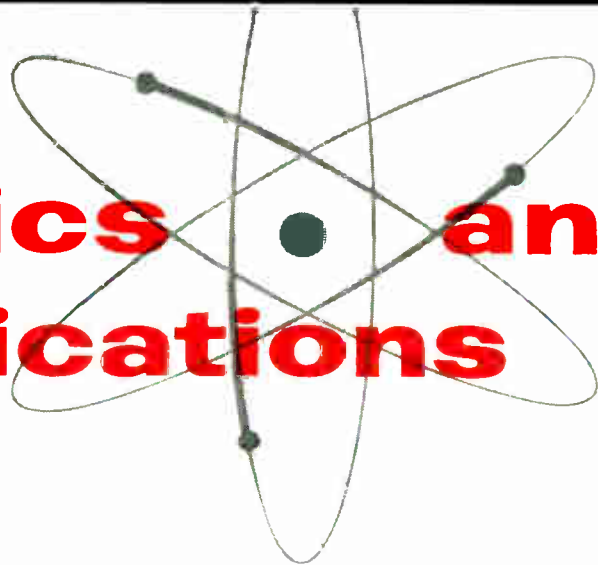


# 1960

annual  
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**BUYERS'**  
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**electronics and  
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an age publication

DECEMBER 1959

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*for performance and reliability  
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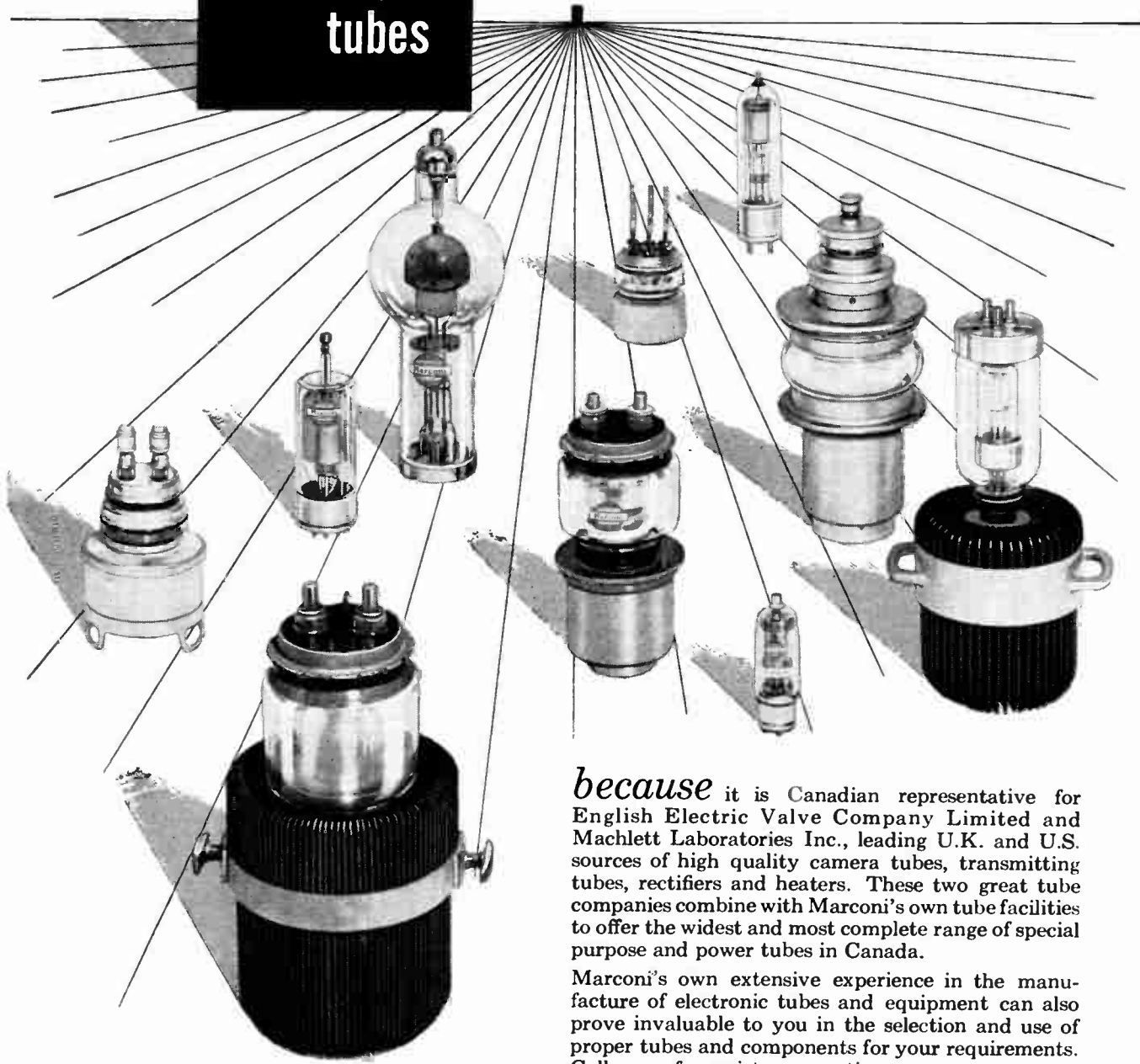
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and  
power  
tubes

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**CANADIAN Marconi COMPANY**

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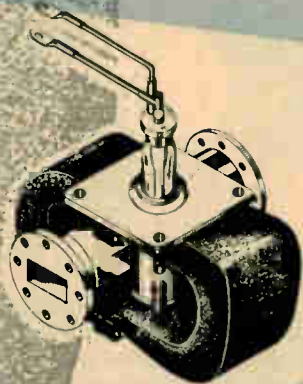


**RAYTHEON'S WEIGHTLESS FUEL**  
*powers tomorrow's "sky stations"*

Sky stations come nearer to reality with Raytheon's new high frequency, high power "Amplitron"\* tubes. These newly developed microwave tubes make possible the transmission of huge quantities of power through the atmosphere. The "power beam" could supply the "weightless fuel" to drive a helicopter type observation station's rotary wings . . . keep it hovering miles in the sky at a fixed point above the earth's surface. This great Raytheon development can be used for military and commercial applications such as missile detection, radio and TV transmission, communications, navigation, weather forecasting and many others.

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\*Raytheon trademark



RAYTHEON'S NEW "AMPLITRON"\* TUBE . . . a compact, highly efficient, microwave tube, capable of handling high peak and average powers.

For further details on the "Amplitron"\* tube and other products write to:

**RAYTHEON CANADA LIMITED**

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★ *Everything in industrial electronics—microwave communications equipment, voltage stabilizers, transistors, diodes, rectifiers, microwave and power tubes, special purpose tubes, high quality control knobs, telephone power supplies, marine radar and other marine electronic products for commercial and pleasure boat requirements.*

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and United States: 1 year — \$5.00; 2 years — \$9.00;  
3 years — \$12.00. Foreign: 1 year — \$10.00.

Member Canadian Circulations Audit Board

Authorized as second class mail  
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PRINTED IN CANADA



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# IN MINIATURE RELAYS... MARSLAND has made a good name



## ...and that name is "FILTORS"

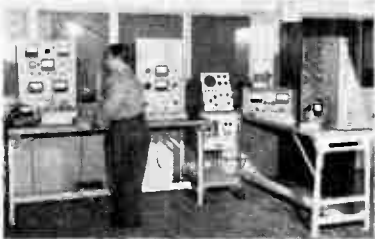
Hermetically Sealed Sub and Micro-Miniature Relays

### DESIGN and CONSTRUCTION

"Filtors" Sub-Miniature and Micro-Miniature Relays meet or exceed all the requirements of MIL-R 5757C. Lightweight and rugged, they are hermetically sealed and uniquely designed to provide immunity to the forces of shock, vibration, acceleration, as well as high tolerance to extreme environmental conditions of pressure and temperature.

### COMPLETE RANGE

"Filtors" Sub-Miniature and Micro-Miniature (Hermetically Sealed) Relays are available for both AC and DC operations. Non-standard terminal arrangements can be designed to meet special requirements.



### ENVIRONMENTALLY TESTED IN MANUFACTURE

"Filtors" designs lend themselves to exacting standards of inspection. At Marsland Engineering the Filtors Relay Division is air-filtered, temperature controlled and surgically clean. Fine materials and the quality controls employed by Marsland result in Relays built to the most reliable standards available anywhere.

Manufactured and sold in Canada by "FILTORS" Relay Division of

# MARSLAND ENGINEERING LIMITED

KITCHENER, ONTARIO



The "Powmite" crystal case performance package for all micro-miniature relay switching requirements. Available for plug-in or fixed-wire mounting.



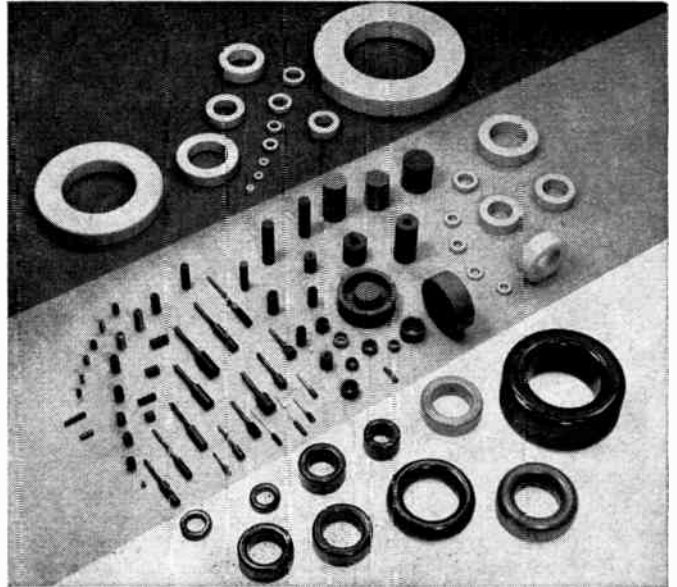
These general purpose relays are applicable to instrument, geophysical, aircraft controls and circuits where high reliability, multiple switching is required. In 2, 4 and 6 pole double throw contact arrangements with many standard mountings.

# Specify "ARNOLD"

## for your MAGNETIC CORE requirements



Top to bottom: Tape wound cores, Silectron C, E and O cores, and bobbin cores.



Top to bottom: Mo-Permalloy powder cores, iron powder cores, and Sendust cores.

**SILECTRON C-CORES, E-CORES and TORCIDS** Arnold C and E cores are made from precision-rolled Silectron strip in 1, 2, 4 and 12 mil thicknesses.

They are supplied in a wide variety of shapes, and in sizes from a fraction of an ounce to several hundred pounds. In addition to standard transformer applications, they may also be supplied for special applications such as saturable reactors, instrument transformers and pulse transformers.

Over 1,000 stock cores are listed in the Arnold Silectron catalog. A wide selection of preferred sizes are carried in stock for immediate shipment. For complete data on C and E cores and Silectron toroids, write for Bulletin SC-107A.

**TAPE WOUND CORES of High Permeability Materials** Arnold tape wound cores are available made of Deltamax, 4-79 Mo-Permalloy, Supermalloy, Mumetal, 4750 Electrical Metal, Silectron, or the new rectangular-loop material, Supermendur. All except Supermendur cores are available in standard tape thicknesses of 1, 2 and 4 mils; also in special tape thicknesses of 1/2 mil, 12 mil or other, as required or feasible. Supermendur is presently available in 4 mil cores.

Toroidal cores are made in 30 standard sizes with protective nylon or aluminum cases. Special sizes of toroidal cores are produced to individual requirements. Write for Bulletin TC-101A. (TC-113A for Supermendur Cores.)

**BOBBIN CORES** Arnold bobbin cores are available in a wide range of sizes, tape thicknesses, widths and number of wraps to suit the ultimate use of the core in electronic computer assemblies. Magnetic materials usually employed are Deltamax and Square Permalloy in standard thicknesses of 1, 1/2, 3/4 and 1/2 mil. Bobbins are supplied in ceramic or stainless steel. Write for Bulletin TC-108A.

### PERMANENT MAGNET MATERIALS

**ALNICO**—Arnold produces permanent magnets in all types of Alnico, from castings up to 80 lbs. or more, down to sintered parts weighing less than a gram; also magnet assemblies to meet your designs. Many sizes and types of Alnico magnets carried in stock for immediate delivery.

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**VICALLOY**—A carbon free vanadium-cobalt-iron permanent

**MO-PERMALLOY POWDER CORES** Available in a wide range of sizes, from .260" OD to 5.218" OD. They are given various types of enamel and varnish finishes, some of which permit winding with heavy Formex insulated wire without supplementary insulation over the core.

These powder cores are supplied in four standard permeabilities: 125, 60, 26 and 14 Mu. They provide constant permeability over a wide range of flux density, and in many cases may be furnished stabilized to provide essentially constant permeability over a specific temperature range. Large warehouse stocks of preferred sizes are carried for immediate shipment. Write for Bulletin PC-104C.

**IRON POWDER CORES** A wide selection of cores is available, from simple cylinders to special cores of complicated design. The line includes all standard types of threaded cores, cup, sleeve, slug and cylindrical insert cores: for use in antenna and RF coils, oscillator coils, IF coils, perm tuning, FM coils, television coils, noise filter coils, induction heating and bombarder coils, and other low frequency applications. Preferred sizes are carried in warehouse stock for quick shipment. A standard series of iron powder toroids is also manufactured, conforming to the standard sizes proposed by the Metal Powder Industries. Write for Bulletin PC-109.

**SENDUST POWDER CORES** Available in a wide selection of sizes, ranging from .800" OD to 3.346" OD, and in permeabilities of 10, 13, 25, 30, 50 and 80, although not all sizes are available in all permeabilities. They possess magnetic properties generally superior to iron powder cores, but inferior to Mo-Permalloy powder cores in the audio and carrier frequency range. Write for Bulletin SDC-110.

magnet alloy, adaptable to varied uses because available in hot and cold rolled forms, castings and forgings and readily machinable.



THE ARNOLD ENGINEERING COMPANY, Main Office: MARENGO, ILL.  
CANADIAN REPRESENTATIVE: Boyly Engineering Limited  
First Street, Ajax, Ontario . . . Phone: EMpire 2-3741 (Toronto Exch.)



Engineer A. M. Darbie installs a Tung-Sol/Chatham 6336A twin power triode in a Harrison Labs 2B regulator, part of a 200B high current power supply. Superior power handling ability of the 6336A lets Harrison Labs offer the regulator with a 5-tube complement in addition to a 7-tube model.

# Harrison Labs gains flexibility with Tung-Sol / Chatham 6336A!

Harrison Laboratories, quality manufacturer of Berkeley Heights, N. J., offers designers its 2B regulator with a 5 or 7-tube complement. Superior power handling ability of Tung-Sol/Chatham's 6336A twin power triode makes possible the 5-tube version that features operation over a wider line voltage variation without change of transformer taps.

Over more than a year, Tung-Sol/Chatham's 6336A has performed with exceptional reliability. Users of Harrison Labs 2B regulator especially appreciate the reduced downtime and maintenance

stemming from 6336A's long life and electrical stability. In all, Harrison Labs evaluates the Tung-Sol/Chatham 6336A a wise design choice.

Harrison Labs adds another name to the growing list of manufacturers benefitting from the reliable efficiency of Tung-Sol tubes and semiconductors. So can you. Tung-Sol makes a quality unit for virtually every industrial and military need. Our applications engineers will gladly assess your circuitry and help discover how you can profit by specifying Tung-Sol. In Canada: Abbey Electronics, Downsview, Ont.



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**STRATO-THERM  
TERMINALS AND SPLICES**

- up to 1200°F. operating temperature
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- shock and corrosion resistant
- wire size range 22-10 AWG
- serrated inner barrel for maximum tensile strength

**CERTI-SEAL SPLICES  
AMPLI-NYL TERMINALS AND SPLICES**

- combined wire size range 22-2/0 AWG
- exceed millivolt-drop specifications
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**BECAUSE CIRCUIT RELIABILITY IS VITAL . . .**

. . . AMP's product is more than fine circuit terminals . . . more than remarkably precise compression-crimp tooling . . . more than an error free, fast method of attachment.

AMP's product is finished crimp-type terminations on your circuitry wires . . . by the hundreds or millions . . . of the highest reliability . . . performing under gruelling conditions . . . from basic terminals to complete patchcord systems.

**PATCHCORD PROGRAMMING UNITS**  
(Airborne "240" shown)

- universal or shielded systems
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- nylon sleeve insulates and firmly seats patchcord pin in board
- contacts have rear board accommodation for taper pins to provide reliable solderless lead terminations

**200 CONTACT CABLE CONNECTORS**

- extremely reliable disconnect for ground electronic and instrumentation application
- connector can be electrically disengaged without mechanical separation
- five indexed positions to permit strain-free cable exit.
- identical inserts and contacts in both halves
- polarized to prevent improper coupling—has numbered cavities to assure proper circuit identification

COMPLETE INFORMATION ON THESE FOUR PRODUCT LINES IS AVAILABLE ON REQUEST.

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**194 Wilson Avenue, Toronto 12, Ontario**

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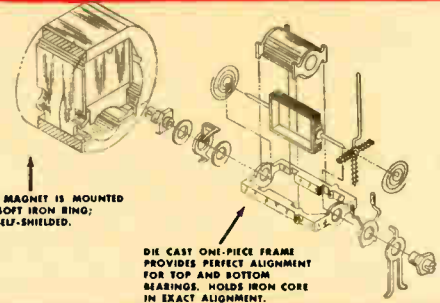
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Quality...  
First to last

# COMPLETE PANEL METER

## BAR-RING TYPE MOVEMENTS (Exclusively Triplet)

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- Not affected by magnetic panels or substantially by stray magnetic fields.
- More Torque
- Lower Terminal Resistance
- Faster Response
- Exceedingly Rugged and Accurate
- All Case Sizes

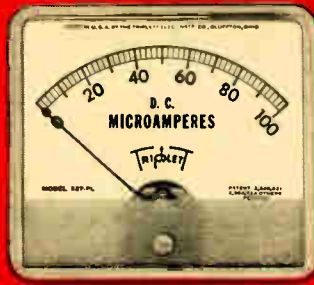


ALNICO MAGNET IS MOUNTED  
INSIDE SOFT IRON RING;  
FULLY SELF-SHIELDED.

DIE CAST ONE-PIECE FRAME  
PROVIDES PERFECT ALIGNMENT  
FOR TOP AND BOTTOM  
BEARINGS. HOLDS IRON CORE  
IN EXACT ALIGNMENT.



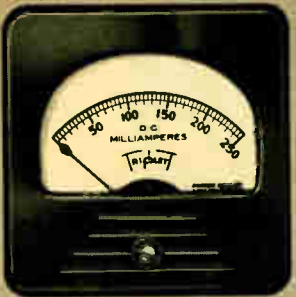
Round Flush Mounting (2 1/4")  
Model DC 327-T, AC 337-S, RF 347-T



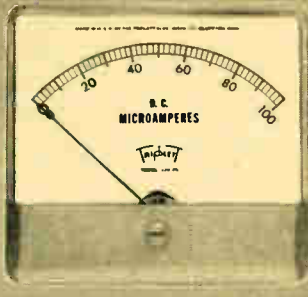
Rectangular Flush Mounting (2 1/4")  
Model DC 327-PL, AC 337-PL,  
RF 347-PL



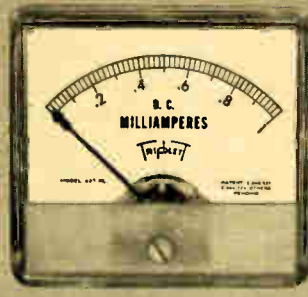
Round Flush Mounting (3 1/4")  
Model DC 317-T, AC 327-S, RF 347-T,  
Dym 347-A



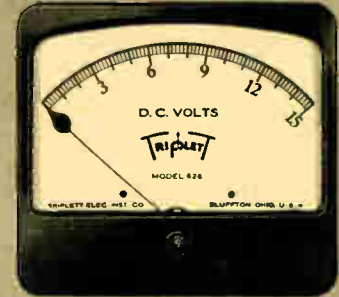
Rectangular Flush Mounting (2 3/4")  
Model DC 227-T, AC 237-S, RF 247-T



Rectangular Flush Mounting (4 3/4")  
Model DC 420-PL, AC 430-PL,  
RF 440-PL



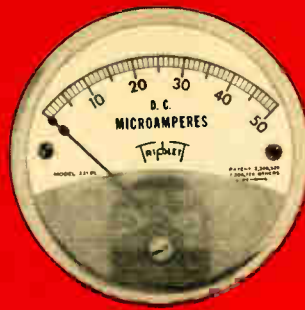
Rectangular Flush Mounting  
(2 1/2")  
Model: DC 227-PL, AC 237-PL,  
RF 247-PL



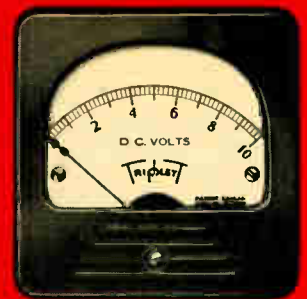
Rectangular Flush Mounting (6")  
Model: DC 626, AC 636, RF 646



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In addition to the popular commercial line of panel instruments, Triplet supplies  
a complete line of ruggedized and sealed instruments designed to meet  
government specification MIL-R-10204A.



Round Flush Mounting (2 1/4")  
Model DC 327-PL, AC 337-PL,  
RF 347-PL



Rectangular Flush Mounting (2")  
Model DC 217-T, AC 227-S, RF 247-T,  
Dym 247-A

For complete details see your Electronic Parts Distributor, or write

LEN FINKLER, 1794 Avenue Road, Toronto 12, Ont.  
C. M. ROBINSON COMPANY, 150 Erin St., Winnipeg;  
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World Radio History

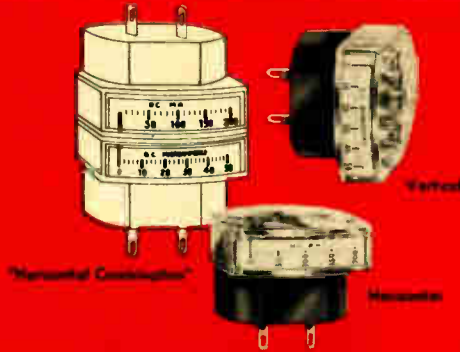
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Rectangular Flush Mounting (4 1/2")  
Model: DC 435, AC 436, RF 443



Miniature Edge-on Panel Meters  
—Model 130



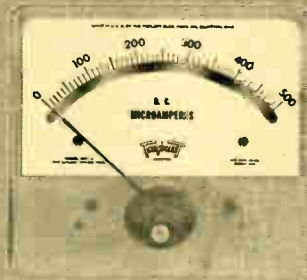
Model 327-B Unimeter 3 1/4"  
Assembled



Model 354 Relay



Tilting Case Portable  
Model: 325 (DC), 335 (AC)



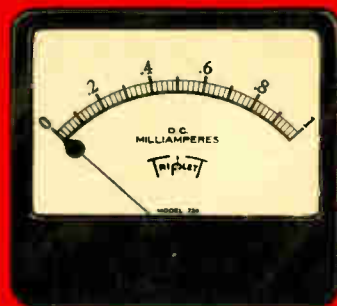
Model 420-U Unimeter 4 1/2"  
with mirror scale



Model 234 Unimeter Stand



Round Flush Mounting (2 1/2")  
Model: DC 351-79, AC 352-79,  
RF 345-79



Rectangular Flush Mounting  
(2 1/2")  
Model: DC 775, AC 776, RF 744



Model 410 VV Meter  
Type A-3 Series



6" Rugged Case 6.3" Scale Portable  
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TRIPLETT ELECTRICAL INSTRUMENT COMPANY  
BLUFFTON, OHIO

# VIBRATION RESISTANT MOISTURE RESISTANT

*Completely interchangeable*

*New miniature connectors  
for avionic equipment  
meet MIL-C-26482 (ASG)*

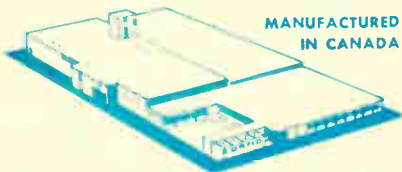


Actual size  
photo shows  
three pin  
bayonet  
coupling type  
Double stub  
type available  
Both types  
completely  
interchangeable  
with other mini-  
ature connectors

# BANTAM

ENVIRONMENTALLY-SEALED ELECTRICAL CONNECTORS

Electrically, mechanically, BANTAM connectors are designed for dependable performance despite environmental extremes. Copper alloy closed entry contacts, heavily gold-plated... moisture-proof resilient inserts... cadmium-plated shells of high-tensile strength aluminum... heavy spring tension for perfect interface sealing. Also available are potting boot and cable clamp types.



MANUFACTURED  
IN CANADA

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**CANADA LTD.**

HEAD OFFICE AND PLANT • SCARBOROUGH • ONTARIO  
OFFICES IN TORONTO • MONTREAL • HALIFAX • WINNIPEG • REGINA • CALGARY • VANCOUVER

# BOURNS MINIATURE POTENTIOMETERS

Space saving configuration - - - fine, multi-turn settings - - - stable, self-locking shafts



TRIMPOT®

Pioneer of all lead-screw actuated potentiometers now in use.



Panel Mount TRIMPOT\*

New family of panel mount potentiometers providing additional mounting style.



TRIMIT\*

Low-cost commercial version of TRIMPOT. Has same features.

DOUGLAS RANDALL (CANADA) LTD. maintain a large stock of Bourns Trimpot® lead screw actuated potentiometers in their Toronto plant and can give good deliveries on both commercial and high performance military spec. models.

These are available with wirewound or carbon elements: with insulated stranded leads, solder lugs, printed circuit pins, new panel mount style — check the table below for characteristics and summarized specifications of the basic lines.

|                   |                       | Class Name        | Model  | Terminals (1)        | Resistances (ohms) (2) | End Settings (%) | Power Rating (watts) | Maximum Operating Temp. (° C) | Humidity-Proof (Mil. Specs) (5) | Size (inches) |                |                 |                 |                 |
|-------------------|-----------------------|-------------------|--|----------------------|------------------------|------------------|----------------------|-------------------------------|---------------------------------|---------------|----------------|-----------------|-----------------|-----------------|
|                   |                       |                   |  |                      |                        |                  |                      |                               |                                 | H.            | W.             | L.              |                 |                 |
| MILITARY STANDARD | Wirewound             | Potentiometers    | TRIMPOT®   | 200                  | L,S,P                  | 10Ω to 100K      | 0-0.7(3)             | 0.25                          | 105                             | No            | $\frac{1}{8}$  | $\frac{1}{4}$   | 1 $\frac{1}{4}$ |                 |
|                   |                       |                   | Hi-R* TRIMPOT (4)  | 207                  | L                      | 100Ω to 100K     | 0-0.2                | 2.0                           | 175                             | No (4)        | $\frac{1}{8}$  | $\frac{3}{16}$  | 1 $\frac{1}{4}$ |                 |
|                   |                       |                   | TWINPOT*   | 209                  | L                      | 10Ω to 20K       | 0-0.1 (3)            | .25                           | 105                             | No (4)        | $\frac{1}{8}$  | $\frac{1}{2}$   | 1 $\frac{1}{4}$ |                 |
|                   |                       |                   | TRIMPOT JR.* (sealed)  | 220                  | W,L                    | 100Ω to 20K      | 0-0.1(3)             | 1.0                           | 175                             | Yes           | .315           | .17             | 1               |                 |
|                   |                       |                   | TRIMPOT® High-Temp. Humidity Proof   | 224                  | L,S,P                  | 100Ω to 100K     | 0-0.1(3)             | 1.0                           | 175                             | Yes           | .315           | .19             | 1 $\frac{1}{4}$ |                 |
|                   |                       |                   | TRIMPOT® (sealed)  | 236                  | L,S,P                  | 10Ω to 100K      | 0-0.1(3)             | 0.8                           | 135                             | Yes           | .36            | .30             | 1.34            |                 |
|                   |                       |                   | TRIMPOT® High-Temp.  | 260                  | L,S,P                  | 10Ω to 100K      | 0-0.1(3)             | 1.0                           | 175                             | No            | $\frac{1}{8}$  | $\frac{1}{4}$   | 1 $\frac{1}{4}$ |                 |
|                   | Variable Resistors    | TrimR*            | 201  | L                    | 20K to 100K            | 0-0.7(3)         | 0.25                 | 105                           | No                              | $\frac{1}{8}$ | $\frac{1}{4}$  | 1 $\frac{1}{4}$ |                 |                 |
|                   |                       | Hi-R TrimR* (4)   | 208  | L                    | 100K to 200K           | 0-0.2            | 2.0                  | 175                           | No (4)                          | $\frac{1}{8}$ | $\frac{3}{16}$ | 1 $\frac{1}{4}$ |                 |                 |
|                   |                       | TrimR* (sealed)   | 231  | L                    | 20K to 100K            | 0-0.1(3)         | 0.8                  | 135                           | Yes                             | .36           | .30            | 1.34            |                 |                 |
|                   |                       | TrimR* High-Temp. | 261  | L                    | 20K to 100K            | 0-0.1(3)         | 1.0                  | 175                           | No                              | $\frac{1}{8}$ | $\frac{1}{4}$  | 1 $\frac{1}{4}$ |                 |                 |
|                   | Carbon Potentiometers | TRIMPOT RESISTON* |  | Carbon (semi-sealed) | 215                    | L,S,P            | 20K to 1 meg         | 0-1.0                         | 0.25                            | 125           | Yes (4)        | $\frac{1}{8}$   | $\frac{1}{4}$   | 1 $\frac{1}{4}$ |
|                   |                       |                   |  |                      | (sealed)               | 235              | L,S,P                | 20K to 1 meg                  | 0-1.0                           | 0.25          | 125            | Yes             | .36             | .30             |
|                   | COMMERCIAL            | Carbon Wirewound  | Low cost lead screw potentiometers designed to give improved performance over single-turn potentiometers in many commercial applications | TRIMIT*              | 271                    | L                | 100Ω to 10K          | —                             | 0.25                            | 85            | No             | $\frac{1}{8}$   | $\frac{1}{4}$   | 1 $\frac{1}{4}$ |
|                   |                       |                   |  | 273                  | S                      | 100Ω to 10K      | —                    | 0.25                          | 85                              | No            | $\frac{1}{8}$  | $\frac{1}{4}$   | 1 $\frac{1}{4}$ |                 |
|                   |                       |                   |  | 275                  | P                      | 100Ω to 10K      | —                    | 0.25                          | 85                              | No            | $\frac{1}{8}$  | $\frac{1}{4}$   | 1 $\frac{1}{4}$ |                 |
|                   |                       |                   |  | 272                  | L                      | 20K to 1 meg     | —                    | 0.2                           | 85                              | No            | $\frac{1}{8}$  | $\frac{1}{4}$   | 1 $\frac{1}{4}$ |                 |
|                   |                       |                   |  | 274                  | S                      | 20K to 1 meg     | —                    | 0.2                           | 85                              | No            | $\frac{1}{8}$  | $\frac{1}{4}$   | 1 $\frac{1}{4}$ |                 |
|                   |                       |                   |  | 276                  | P                      | 20K to 1 meg     | —                    | 0.2                           | 85                              | No            | $\frac{1}{8}$  | $\frac{1}{4}$   | 1 $\frac{1}{4}$ |                 |
|                   |                       |                   |  | E-Z TRIM*            | 277                    | P                | 100Ω to 10K          | —                             | 0.5                             | 85            | No             | .32             | .27             | 1               |

Specifications given above are representative for most resistances. For complete technical information, write for individual catalog sheets on each model. \*Trademark registered U.S. patent office.

- (1) S = Solder lugs  
L = Stranded insulated leads  
P = Printed circuit pins  
W = Solid wire
- (2) Standard resistance (ohms)
- |     |     |     |       |
|-----|-----|-----|-------|
| 10  | 200 | 5K  | 100K  |
| 20  | 500 | 10K | 200K  |
| 50  | 1K  | 20K | 500K  |
| 100 | 2K  | 50K | 1 meg |
- Units are available in these resistances with-in resistance limits shown in chart. Other resistances available on special order.
- (3) or 0 to 0.5Ω, whichever is greater.
- (4) Consult manufacturer for humidity-proof model.
- (5) All military models listed are sealed against sand and dust, are splash-proof.



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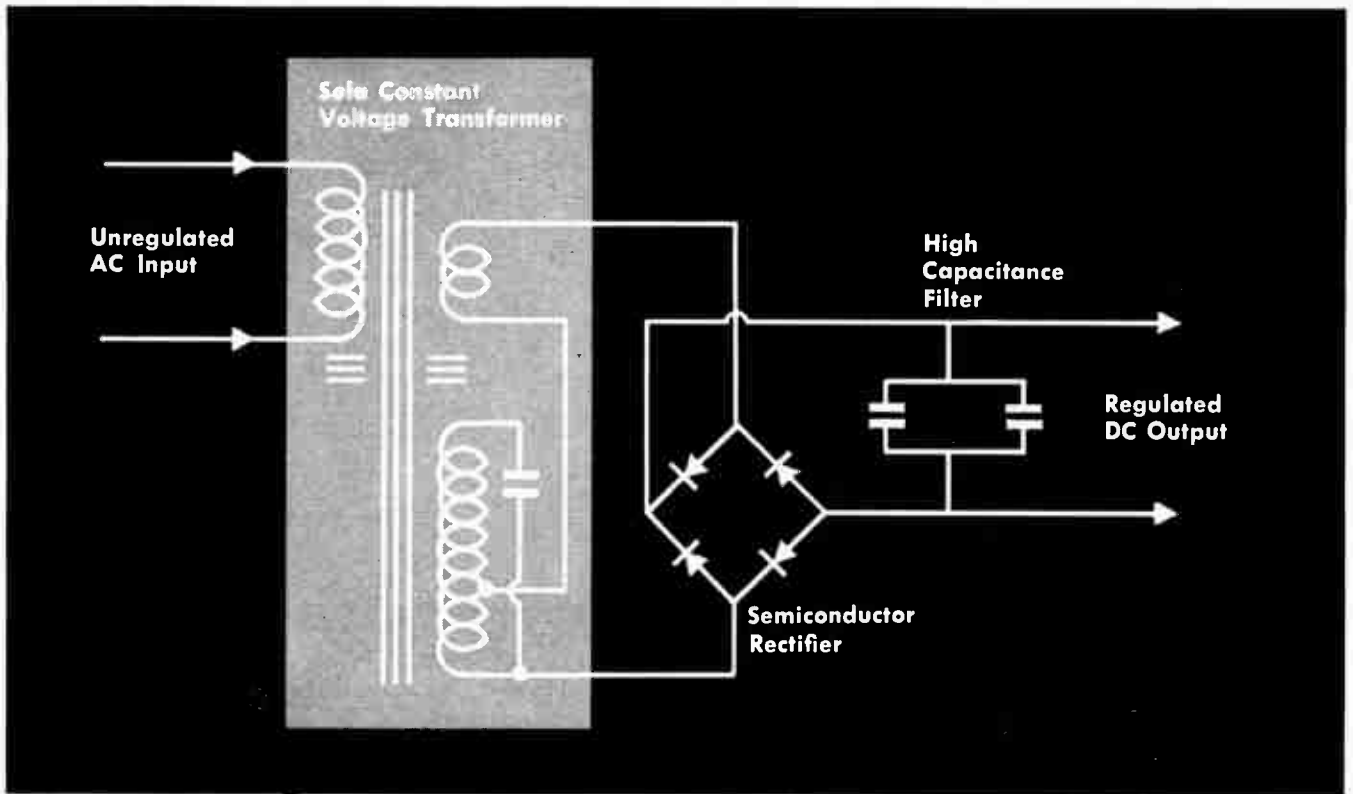
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*Inherently simple design of the Sola Constant Voltage DC Power Supply is shown by this general schematic diagram. Its basic simplicity of design and its reliable components make this regulated power supply rugged and dependable, both electrically and mechanically.*

## Just three reliable components make Sola's regulated dc power supply simple and rugged

Sola Electric Co. (an outfit where complexity-for-its-own sake wins no promotions) has combined three simple, reliable components — a special type of Sola Constant Voltage Transformer, a semiconductor rectifier, and a high-capacitance filter — to make a regulated dc power supply that is rugged and dependable.

Electrical characteristics of the special CV transformer maximize most of the advantages of the semiconductor rectifier and the capacitive filter, while virtually eliminating their disadvantages. This particularly happy combination of components gives output in the ampere range, regulation within  $\pm 1\%$  even under  $\pm 10\%$  line voltage variation, and ripple less than 1% rms. It handles variable, pulse, or high-amperage loads without a second thought . . . it even puts up with dead shorts.

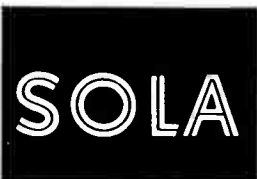
Size? Maintenance? Cost? Sola's simplicity drive permits the units to occupy minimum space, to do without movable or expendable parts, and to sell at a reasonable price.

Simple construction, reliability and compactness are benefits common to the entire line of regulated dc power supplies. Sola designs and produces hundreds of ratings to meet widely varying electrical and mechanical requirements of equipment manufacturers; and also produces complete power supply systems to specification. It is set up to handle specific needs in production quantities. Your nearby sales engineer can supply all the facts.

In addition to custom service, Sola currently stocks six fixed-output models ranging from 24 volts at six amps to 250 volts at one amp. Six adjustable models are stocked, too.

For complete data write for Bulletin 32L—CV-235

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In The United States, Sola Electric Co., Chicago 50, Illinois, A Division of Basic Products Corporation



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REGULATED DC POWER SUPPLIES



MERCURY LAMP TRANSFORMERS



FLUORESCENT LAMP BALLASTS

# Newsletter

C a n a d i a n R a d i o T e c h n i c a l P l a n n i n g B o a r d

## Inter-Continental Tropospheric Links

An inter-continental tropospheric scatter system covering 6,500 miles of the earth's surface may become an accomplished fact within the next three years. Known as Ace-High, this tropospheric scatter system comes under the auspices of NATO. The European sector will stretch from the northern tip of Norway, south through France and the Mediterranean countries to eastern Turkey. A trans-Atlantic link through Iceland and north-west Greenland will link up with the Dew Line across to Alaska and then in a south-westerly direction to the Aleutian Islands.

## New Director of Meteorological Branch of DOT

The Department of Transport recently announced the appointment of P. D. McTaggart-Cowan, M.B.E., as Director of the Meteorological Branch of the Department of Transport. Mr. McTaggart-Cowan was Associate Director of the branch and succeeds Dr. Andrew Thomson who retired recently. Mr. McTaggart-Cowan was largely responsible for developing trans-Atlantic weather forecasting during the early days of World War II, which helped make possible the ferrying of aircraft from Canada to the United Kingdom. He has played a major part in developing the reorganization of the Meteorological Service, particularly with respect to the decentralization of the Public Weather Forecast Service.

## Recent CRTPB Meetings

The Executive Committee of the Planning Board met recently in Toronto to deal with routine business. The television committee met on October 20 in Montreal to study and make recommendations resulting from Broadcast Procedure No. 5 dealing with the protection and coverage rules for VHF television.

The Microwave Task Force on Communication System Parameters met in Toronto early in October to continue their work on parameters.

## Report on National Stereophonic Radio Committee in the U.S.

The following is a report on the activities of a recent meeting of Panel 1, "System Specifications" of the National Stereophonic Radio Committee of the United States:

**FM-FM Study** — It was agreed to set up tests to determine (a) the minimum band width required for good stereophonic broadcasting and (b) the optimum compromise band width for combined stereo and background music broadcast.

**FM-AM Study** — It appeared that the best signal - to - noise ratio for such a system was given by systems using suppressed carrier amplitude modulation. This applied to some six system proposals. However, it did not apply to one other proposal which did not suppress the carrier, but would result in an appreciably simpler stereo receiver. The evaluation of relative receiver complexity for these systems would be made by the Receiver Panel of the NSRC.

**Evaluation of FM-FM versus FM-AM Systems** — There was a separate study group to evaluate on the theoretical basis the relative merit of an FM or AM sub-carrier for FM stereo broadcasting. A report is expected soon.

**Classification of AM Systems** — The chairman of the committee responsible for this study was asked to bring his specification of AM systems up-to-date so that they could be evaluated soon.

**The Value of the EMI Proposal** — It was decided that this should be determined by comparative listening with other systems.

The National Stereophonic Radio Committee (NSRC) was formed earlier in 1959 by EIA of the United States to study methods of broadcasting stereophonic sound by AM, FM and TV stations as a service to the public, the FCC, and the industry.

System Specifications is only one of six NSRC panels. Its staff of industry experts are considering system proposals for compatible stereo broadcasting and identifying the technical issues in these proposals to formulate a consistent set of transmission specifications for each form of broadcasting and to provide an overall evaluation of the system performance employed in the specifications.

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C a n a d i a n R a d i o T e c h n i c a l P l a n n i n g B o a r d  
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R. C. POULTER, Director of Public Relations; F. W. RADCLIFFE, Secretary-Treasurer

# Electronic Industries Association Report

By Basil Jackson, A.R.Ae.S., Tech. M.C.A.I.

## Marking Imported Products

On September 17 the Canadian Government passed an Order-in-Council amending the Markings of Imported Goods Order to include electronic tubes. The amendment took effect on December 1, 1959. This decision by the government recognizes the serious situation existing in Canada on the importation problem from low-wage areas. The EIA has made presentations, on behalf of the Canadian electronics industry, to the government for some time to have electronic tubes marked indelibly with the country of origin.

Meanwhile, the importation of radio receivers from low-wage areas increases.

In view of the growing importation of transistors and other semiconductor products into the United States from low-wage rate countries, the EIA of the United States has officially asked the U.S. Office of Civil Defense Mobilization to investigate the situation. The EIA of U.S. presentation said that since transistors constituted a vital part of the U.S. defense program and were being used increasingly in the development of military weapon systems, some action must be taken to protect the domestic industry. Japanese production of transistors had increased from 560,000 in 1956 to 26,736,000 in 1958 and to 14,967,000 in the first quarter of 1959 alone. Production diode units also increased almost to tenfold from 1956 to 1958. In comparison, the United States rate of increase of production of transistors was far below that of Japan; it was 12,840,000 in 1956 and 47,051,000 in 1958.

The United States manufacturers find themselves in a parallel situation to that which exists with Canadian manufacturers. Transistor production in Canada exists on a very modest scale because they are so often incorporated in pocket and other portable radios and imported from low-wage rate areas that the industry cannot economically tool-up for them. It is the consensus of opinion in the Canadian industry that in times of a national emergency, Canada would have to rely upon the United States for a transistor supply. The United States is now in a similar position as its transistor industry is being undermined by the Japanese. (It is a matter of conjecture regarding the time when the Japanese will start complaining about the same thing in relation to her neighbor China as the wage-rates in China are low in comparison with Japan!)

## Prime Contractors Equipment Engineering Committee

The Prime Contractors Equipment Engineering Committee of the Electronics Division met recently in Toronto. This committee is now firmly constituted and is making good progress in its task of co-ordinating discrepancies in certain military specifications and other documents, and formulating sound recommendations for rectifying anomalies.

## Components Engineering Committee

The Components Engineering Committee of the Components Division met early in November to discuss a full agenda of engineering matters and the approval of EIA standards for adoption by the Canadian industry.

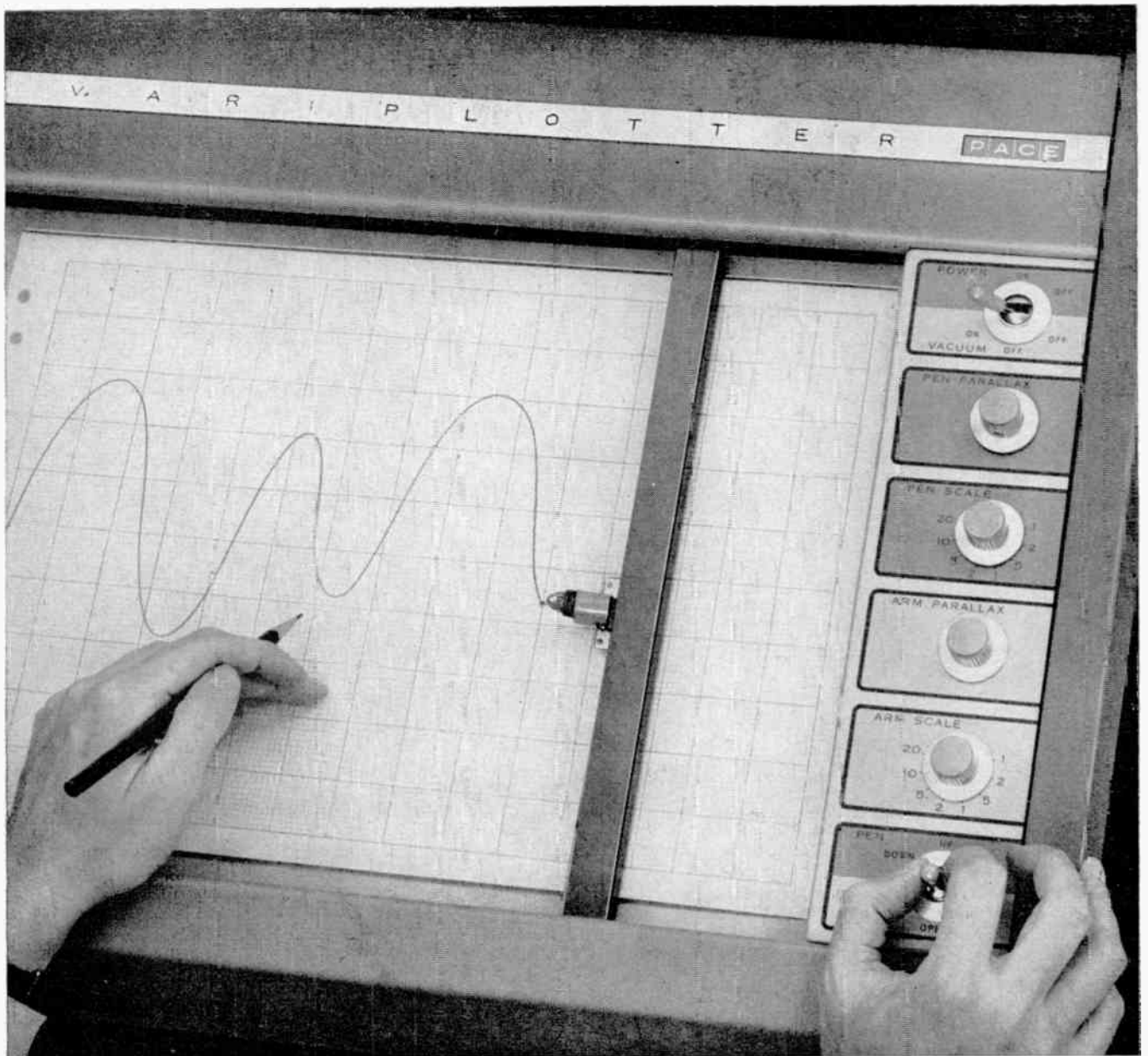
## Mobile Equipment Engineering Committee

The Mobile Equipment Engineering Committee of the Electronics Division met recently in Toronto to discuss the completion of the various mobile specifications and other business.

## Aerial Telecast Project in the United States

The Federal Communications Commission of the United States is currently considering a project in which a UHF relay station incorporated in a high flying DC-7 aircraft will telecast to schools within a 200 mile radius. A transmitter at Purdue University in Lafayette, Indiana, would transmit the programs to the aircraft which would then be relayed to 13,000 schools over the area. Educational programs are now being telecast to 4000 schools in this Indiana location.





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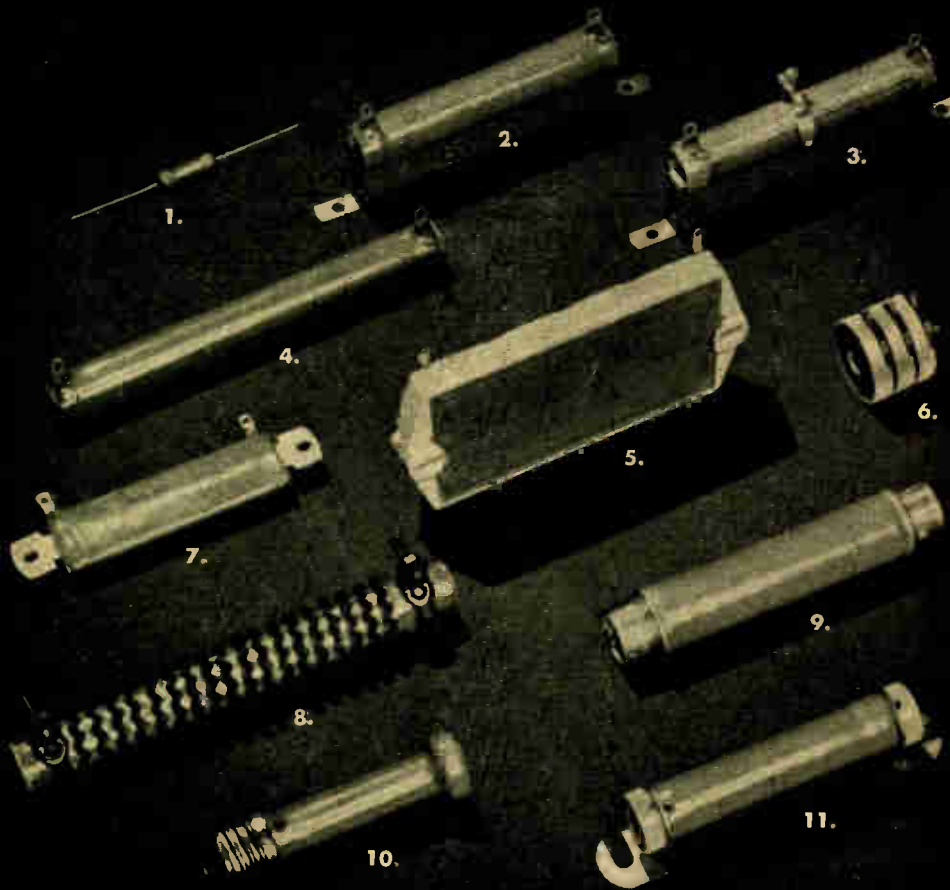


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aviation, communication and navigation equipment. 8. RIBFLEX Used in circuits where high wattage must be dissipated in small space. 9. FERRULE TERMINAL For rapid interchangeability of resistance values or resistor replacement. 10. SCREW BASE With an Edison screw base for mounting to provide rapid means of changing resistance. 11. BRACKET TERMINAL Has leads silver brazed to brackets for easy interchange or renewal of unit.

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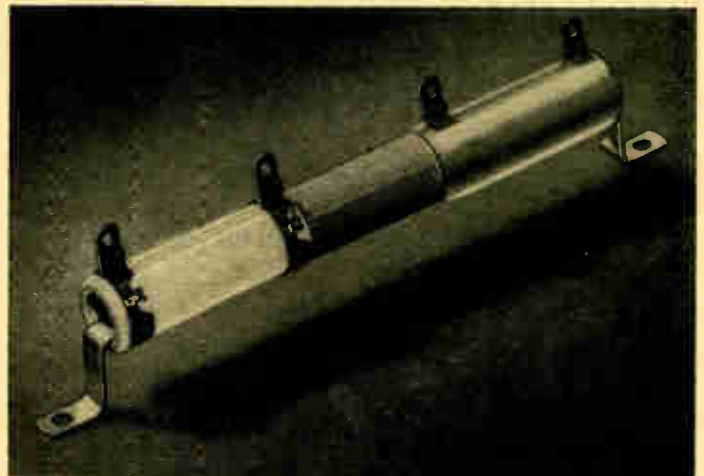
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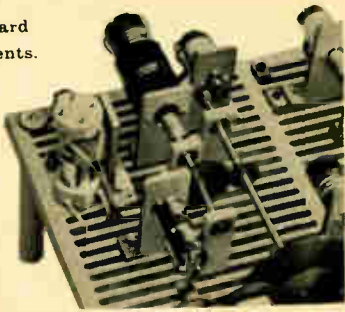


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Low-inertia, low backlash precision reductions gear-heads in International frame Sizes 10, 11 and 15, ratios up to 1000:1. Can be directly coupled to International Frame size servo motors, synchros, potentiometers, etc.

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Precision-built, low inertia motors 2-phase 400 c/s or 50 c/s in International frame sizes 07, 10, 11, 15 and 18.

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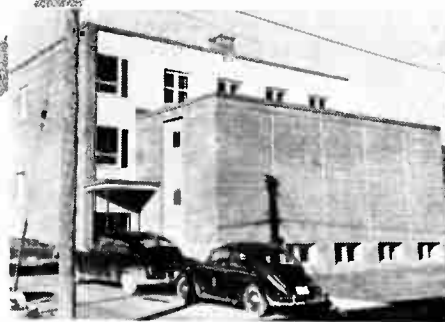
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New Liskeard Exchange Building

New dial central offices with a combined capacity for 3800 stations were recently installed and equipped by A.T.E. to the requirements of the Northern Telephone Co. Ltd., one of the largest independents in Canada. A.T.E. have also received an order from the Northern Telephone Co. Ltd. for a new dial office at Timmins which will have capacity for 9000 stations. All this equipment is A.T.E. Strowger designed for integration within the Direct Distance Dialling Plan.

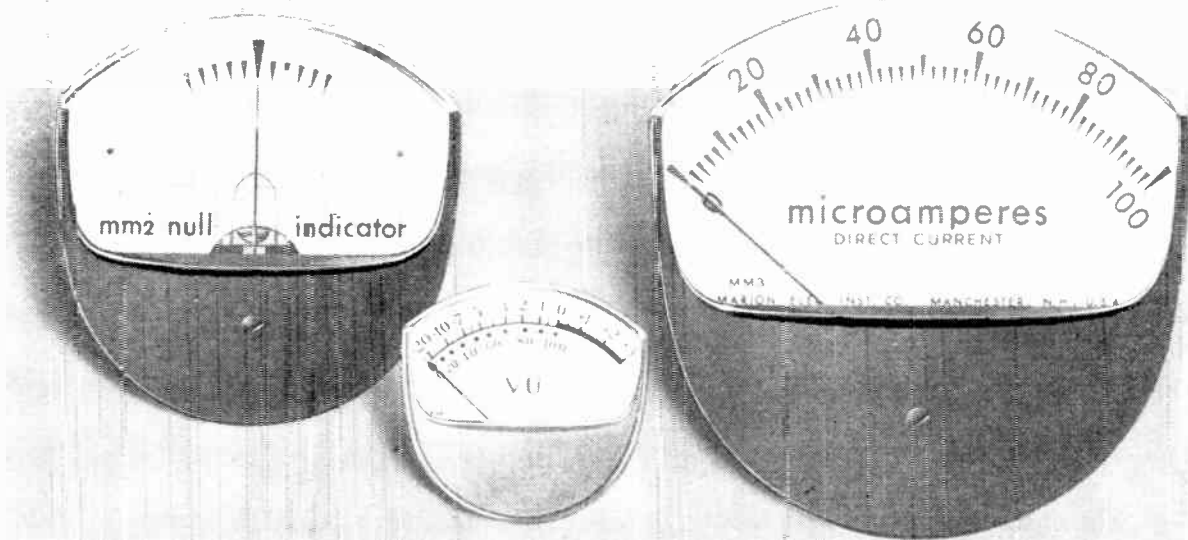
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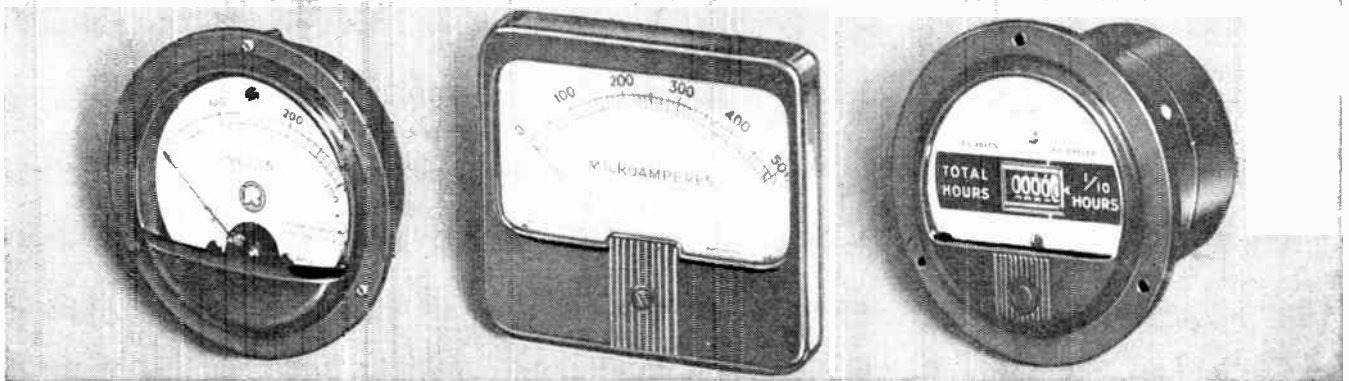


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## GROUP I—RECEIVING TUBES

### HY-G-200®

| EIA Type No. | JAN Type No. | PROTO- TYPE   | BENDIX Type No. | DESCRIPTION           |
|--------------|--------------|---------------|-----------------|-----------------------|
| 5838         |              | 6X5           | TE-3            | RECTIFIER. Full-wave  |
| 5839         | 5839         | 6X5           | TE-2            | RECTIFIER. Full-wave  |
| 5852         | 5852         | 6X5           | TE-5            | RECTIFIER. Full-wave  |
| 5992         | 5992         | 6V6           | TE-8            | AMPLIFIER. Beam power |
| 5993         | 5993         | 6X4           | TE-10           | RECTIFIER             |
| 6106         | 6106         | 5Y3           | TE-22           | RECTIFIER             |
| 6385         |              | 2C51/<br>5670 | TE-21           | MINIATURE TWIN TRIODE |
| 6486         |              | 6AS6          | TE-11           | MINIATURE PENTODE     |
| 6582         |              | 6AK5          | TE-35           | MINIATURE PENTODE     |

### HY-G-300®

(Reliable, hard glass, ceramic spacers,  
300°C Bulb Temperature Rating)

|        |      |                        |       |                                |
|--------|------|------------------------|-------|--------------------------------|
| 6080WB |      | 6AS7                   | TE-46 | TWIN TRIODE                    |
| 6082A  |      | 6082                   | TE-55 | TWIN TRIODE                    |
| 6094   | 6094 | 6AQ5/<br>6005/<br>6095 | TE-18 | MINIATURE AMPLIFIER            |
| 6384   | 6384 | 6AR6/<br>6098          | TE-27 | AMPLIFIER Beam power           |
| 6486A  |      | 6AS6                   | TE-43 | MINIATURE RF PENTODE           |
| 6582A  |      | 6AK5                   | TE-44 | MINIATURE RF PENTODE           |
| 6754   |      | 412A                   | TE-36 | RECTIFIER. Full-wave           |
| 6851   |      | 5751                   | TE-42 | MINIATURE TWIN TRIODE          |
| 6853   |      | 5Y3                    | TE-45 | BANTAM RECTIFIER.<br>Full-wave |
| 6854   |      | 2C51/<br>5670          | TE-47 | MINIATURE TWIN TRIODE          |
| 6877   |      | ½ 6080                 | TE-48 | MINIATURE TRIODE               |
| 6889   |      | Top Cap<br>6384        | TE-52 | AMPLIFIER. Beam power          |
| 6900   |      | 5687                   | TE-54 | MINIATURE TWIN TRIODE          |

### COMPUTER TUBES

|      |  |      |       |               |
|------|--|------|-------|---------------|
| 6888 |  | 7AK7 | TE-40 | GATED PENTODE |
|------|--|------|-------|---------------|

## GROUP II—MICROWAVE TUBES

| EIA Type No. | JAN Type No.      | BAND | BENDIX Type No. | DESCRIPTION                       |
|--------------|-------------------|------|-----------------|-----------------------------------|
| 2K50         | 2K50              | K    | TE-4            | REFLEX KLYSTRON                   |
| 6116         | 6116              | X    | TE-62           | REFLEX KLYSTRON                   |
| 6541         |                   | K    | TE-30           | REFLEX KLYSTRON                   |
| 6584         |                   | C    | TE-38           | REFLEX KLYSTRON                   |
|              |                   | Ka   | TE-37           | REFLEX KLYSTRON                   |
|              |                   | Ka   | TE-53           | REFLEX KLYSTRON                   |
| 6845         | 6845<br>(US Navy) | X    | TE-59           | REFLEX KLYSTRON                   |
| 6940         |                   | X    | TE-58           | REFLEX KLYSTRON                   |
|              |                   | K    | TE-60           | REFLEX KLYSTRON                   |
|              |                   | X    | TE-61           | REFLEX KLYSTRON                   |
|              |                   | V    | TE-67           | BACKWARD-WAVE<br>OSCILLATOR       |
|              |                   | C    | RXB-<br>103401  | TRAVELLING-WAVE TUBE<br>AMPLIFIER |
|              |                   | V    | TE-66           | BACKWARD-WAVE<br>OSCILLATOR       |

## GROUP III—GAS AND SPECIAL TUBES

### SPECIAL PURPOSE GAS TUBES

| EIA Type No. | JAN Type No. | BENDIX Type No. | DESCRIPTION                                       |
|--------------|--------------|-----------------|---|
| 5643         | 5643         | TD-17           | SUBMINIATURE XENON THYRATRON (MIL SPEC)           |
| 5643         |              | TD-37           | SUBMINIATURE XENON THYRATRON<br>(COMMERCIAL SPEC) |
| 5947         |              | TT-2            | TEMPERATURE LIMITED DIODE                         |
| 5960         |              | TD-1            | COLD CATHODE DISCHARGE                            |
|              |              | TD-45           | COLD CATHODE DISCHARGE                            |
|              |              | TD-28           | COLD CATHODE TETRODE THYRATRON                    |
| 6142         |              | TD-9A           | GAS DIODE VOLTAGE REGULATOR                       |
|              |              | TD-19           | GAS DIODE VOLTAGE REGULATOR                       |
| 6144         |              | TT-1            | NOISE DIODE                                       |
| 6352         |              | TT-29           | SUBMINIATURE TEMP LIMITED DUAL-DIODE              |
| 6361         |              | TT-25           | SINGLE CONVECTRON                                 |
| 5845         |              | TT-30           | MINIATURE TEMPERATURE-LIMITED DIODE               |

## GROUP IV—GAS NOISE SOURCE TUBES

| Frequency Range KMC | Band | Waveguide Number | Bendix Type Number | EIA Type Number | Mount Type | Recommended Mode of Operation | Anode Current MA | Tube Drop Volts | Excess Noise Ratio DB |
|---------------------|------|------------------|--------------------|-----------------|------------|-------------------------------|------------------|-----------------|-----------------------|
|                     |      |                  |                    |                 |            |                               |                  |                 |                       |
| 1.12-1.70           | L    | RG-69/U          | TD-21              | 6881            | 90°H       | D.C.                          | 250              | 65              | 15.2                  |
|                     |      |                  | TD-29              | 7101            | 90°H       | A.C. & D.C.                   | 250              | 130             | 18.0                  |
| 2.6-3.95            | S    | RG-48/U          | TD-12              | 6358            | 10°E       | D.C.                          | 250              | 80              | 15.2                  |
|                     |      |                  | TD-22              | 6782            | 90°H       | A.C. & D.C.                   | 250              | 45              | 15.2                  |
| 3.30-4.90           | S    | WR-229           | TD-24              | 6852            | 10°E       | A.C. & D.C.                   | 250              | 65              | 15.2                  |
| 3.95-5.85           | C    | RG-49/U          | TD-10              | 6356            | 10°E       | D.C.                          | 250              | 70              | 15.2                  |
| 5.85-8.20           | X    | RG-50/U          | TD-10              | 6356            | 10°E       | D.C.                          | 250              | 70              | 15.2                  |
| 8.20-12.40          | X    | RG-52/U          | TD-11              | 6357            | 10°E       | D.C.                          | 200              | 75              | 15.2                  |
|                     |      |                  | TD-23              | 6882            | 10°E       | D.C.                          | 200              | 115             | 18.0                  |
| 12.4-18.00          | KU   | RG-91/U          | TD-18              | 6684            | 10°E       | D.C.                          | 200              | 70              | 15.2                  |
| 18.0-26.5           | K    | RG-53/U          | TD-13              | 6359            | 10°E       | D.C.                          | 200              | 65              | 15.2                  |

## GROUP V—SPARK GAPS

| Type No. | DC Break-down KV | Initial Pulse Break-down KV | Repetitive Pulse Break-down KV | Watts Maximum Dissipation | Peak Discharge Watt-Second | Fault Surge Current Amps | Isotope Stabilization | Initial Equipment Usage | Configuration |
|----------|------------------|-----------------------------|--------------------------------|---------------------------|----------------------------|--------------------------|-----------------------|-------------------------|---------------|
| TG-25    | 0.400            |                             |                                | 3                         | 2                          |                          | Yes                   | Safety                  | 1             |
| TG-26    | 0.75             |                             |                                | 5                         | 2                          | 1000                     | Yes                   | Safety                  | 2             |
| TG-27    | 1.0              |                             |                                | 5                         | 5                          | 1000                     | Yes                   | Safety                  | 2             |
| TG-30    | 2.0              | 3.0                         | 2.7                            | 5                         | 14                         | 2000                     | Yes                   | Safety                  | 2             |
| TG-34    | 5.0              | 8.5                         | 5.5                            | 5                         | 19                         | 3000                     | Yes                   | Safety                  | 2             |
| TG-37    | 10.0             | 20.0                        | 15.0                           | 5                         | 22                         | 4000                     | Yes                   | Safety                  | 2             |
| TG-56    | 20.0             | 23.0                        |                                | 7.5                       | 30                         | 5000                     | Yes                   | Safety                  | 4             |
| TG-60    | 50.0             |                             |                                | 7.5                       | 50                         | 6000                     | Yes                   | Safety                  | 4             |

Many other models of Bendix gas noise source and spark gap tubes besides those shown here are available. There is also a HY-G-500 line of metal ceramic receiving tubes. For a completely up-to-date list, write

### COMPUTING DEVICES OF CANADA LIMITED

Head Office: P.O. Box 508, Ottawa, Ontario  
Toronto Office: 164 Eglinton Ave. E., Toronto, Ontario

5806



**COMPUTING DEVICES OF CANADA LIMITED**  
P.O. BOX 508 • OTTAWA • CANADA

①

**Microvoltmeter-  
Micromicroammeter  
measures to  
1  $\mu\text{v}$ , 1  $\mu\mu\text{a}$ !**


New  425 Microvolt-Ammeter

**LOOK!  
one new instrument  
useful 2 ways**



②

**Sensitive  
high-impedance  
voltmeter  
input values to  
approximately  
400 megohms!**

This versatile new  instrument serves you in many ways. It is a high sensitivity microvoltmeter measuring to 1  $\mu\text{v}$ , and a micromicroammeter measuring to 1  $\mu\mu\text{a}$  with sensitivity 10 times that previously available. Drift is less than  $\pm 2 \mu\text{v}/\text{hour}$  and noise is less than 0.2  $\text{v}$  RMS.

Or, with a simple factory modification offered at no extra cost, the input impedance can be increased to approximately 400 megohms. This insures accurate measurement without loading on most high impedance circuits. In many situations, the 425A thus performs measurements for which expensive electrometers were previously required. Model 425A also serves as an ohmmeter, measuring resistances from milliohms to 10 megamegohms in conjunction with an external constant current.

Other unique features include a photoelectric chopper replacing the conventional multi-vibrator, heavy ac filtering, protection against momentary overloads up to 1,000 volts, and a new probe minimizing thermocouple or triboelectric effects.

**HEWLETT-PACKARD COMPANY**

Represented in Canada by ATLAS INSTRUMENT CORPORATION, LTD., 50 Wingold Ave., Toronto, Ont.; 106-525 Seymour St., Vancouver, B.C.; 3333 Cavendish Blvd., Montreal, Que.

**SPECIFICATIONS**

**MICROVOLT-AMMETER**

**Voltage Range:** Positive and negative voltages from 10  $\mu\text{v}$  end scale to 1  $\text{v}$  end scale in an eleven step, 1-3-10 sequence.

**Current Range:** Positive and negative currents from 10  $\mu\mu\text{a}$  end scale to 3  $\text{ma}$  end scale in an eighteen step, 1-3-10 sequence.

**Input Impedance:** Voltage Ranges: 1 megohm  $\pm 3\%$ . Current Ranges: 1 megohm to 0.33 ohm, depending on range. (With factory modification, over 200 megohms. Please specify Model H 01-425A in ordering; no extra cost).

**Accuracy:** Within  $\pm 3\%$  of end scale.

**AMPLIFIER**

**Ac Rejection:** At least 3 db at 0.2 cps, 50 db at 50 cps, approx. 60 db or more at 60 cps.

**Gain:** 100,000 maximum.

**Output:** 0 to 1  $\text{v}$  for full scale reading, adjustable.

**Output Impedance:** 10-ohms, shunted by 5000 ohm potentiometer.



**Noise:** Less than 0.2  $\mu\text{v}$  rms referred to input.

**Drift:** After 15 minute warm-up, less than  $\pm 2 \mu\text{v}$  per hour referred to the input.

**Power:** 115/230  $\text{v} \pm 10\%$ , 60 cps, 40 watts.

**Dimensions:** Cabinet Mount: 7 1/2" wide, 11 1/4" high, 14" deep.

**Weight:** Net 17 lbs.

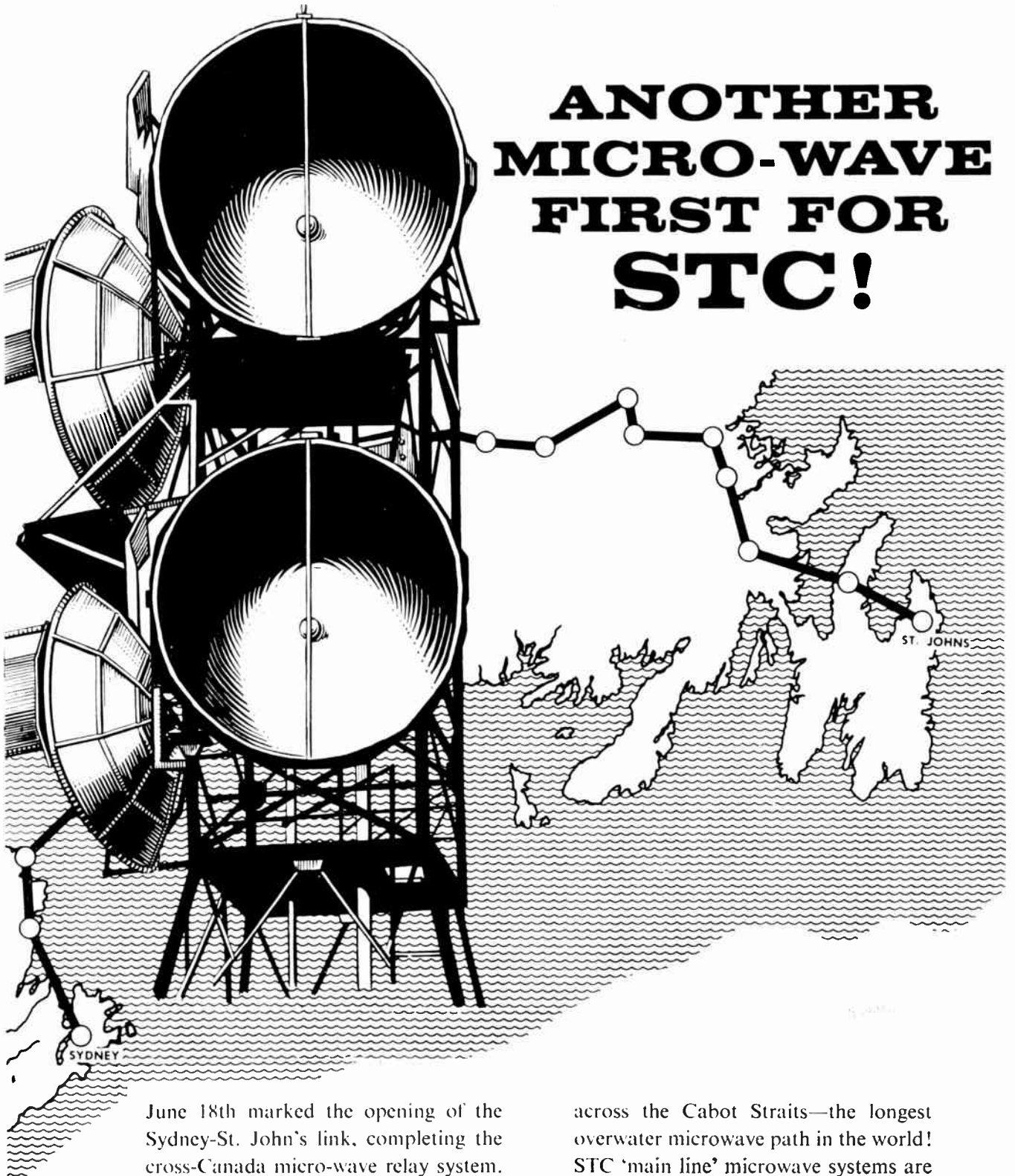
**Price:**  425AR (rack mount) \$505.00.  425A (cabinet) \$500.00.

Data subject to change without notice. Prices f.o.b. factory.



**Quality and value standard in test instrumentation**

# ANOTHER MICRO-WAVE FIRST FOR STC!



June 18th marked the opening of the Sydney-St. John's link, completing the cross-Canada micro-wave relay system. Standard Telephones & Cables' inventions and techniques made possible the successful spanning of the 69-mile hop

across the Cabot Straits—the longest overwater microwave path in the world! STC 'main line' microwave systems are in operation all over the world. There are now over 1000 route miles in Canada!



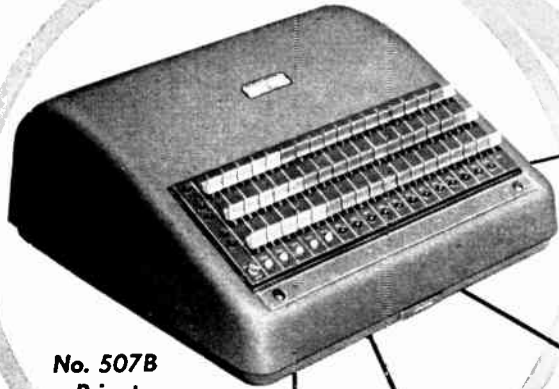
*Standard Telephones and Cables Mfg. Co. (Canada) Ltd.*

9600 St. Lawrence Blvd., Montreal 12, Que.

AMONG THE FOREMOST IN WORLD COMMUNICATIONS







**No. 507B  
Private  
Branch Exchange**

**modern  
compact  
efficient**



*Photo—courtesy of  
The T. Eaton Co.*



*Photo—courtesy of  
National Life Assurance Co. Ltd.*



*Photo—courtesy of  
Jaeger Co. Ltd.*



*Photo—courtesy of  
Hyde & Ahearn.*

**f**inished in neutral beige-gray colour with a fine wrinkle texture, the No. 507B P.B.X. will blend with the most modern office equipment. It is particularly adapted to operation by those who have other duties to perform in addition to switchboard attendance. The specially contoured keyhandles and smoothly working keys make this board a pleasure to operate.

Provides terminating equipment for 12 Station Lines and 5 Central Office Trunks and permits 5 Simultaneous Conversations.

Operation is from 24 or 48 volt battery with manual or dial telephone.

**N**orthern **E**lectric

**COMPANY LIMITED**

44 BRANCHES THROUGHOUT CANADA

2054-2

# Eimac First for Reliability in Power Electron Tubes

|                                 | U.S.A. Price | Filament Voltage Volts | Filament Current Amps | Peak Inverse Voltage Volts | Peak Plate Current Amps | Average Plate Current ma | Plate Dissipation Watts | PREFORMED CONTACT FINGER STOCK |        | U.S.A. Price per Ft. |
|---------------------------------|--------------|------------------------|-----------------------|----------------------------|-------------------------|--------------------------|-------------------------|--------------------------------|--------|----------------------|
|                                 |              |                        |                       |                            |                         |                          |                         | Single Edge                    | Width  |                      |
| <b>HIGH VACUUM RECTIFIERS</b>   | 2-01C        | \$ 17.25               | 5.0                   | 0.35                       | 1,000                   | 0.010                    | 1                       | 0.1                            | 1 1/2" | \$1.65               |
|                                 | 2-25A        | 14.00                  | 6.3                   | 3.0                        | 25,000                  | 1.0                      | 50                      | 15                             | 1 3/8" | 1.80                 |
|                                 | 2-50A        | 16.50                  | 5.0                   | 4.0                        | 30,000                  | 1.0                      | 75                      | 30                             | 1 3/8" | 2.00                 |
|                                 | 2-150D       | 36.00                  | 5.0                   | 13.0                       | 30,000                  | 3.0                      | 250                     | 90                             | 3 3/4" | 1.65                 |
|                                 | 2-240A       | 40.00                  | 7.5                   | 12.0                       | 25,000                  | 4.0                      | 500                     | 150                            |        |                      |
|                                 | 2-450A       | 94.00                  | 7.5                   | 26.5                       | 25,000                  | 8.0                      | 1000                    | 450                            |        |                      |
|                                 | 2-2000A      | 214.50                 | 10.0                  | 25.0                       | 75,000                  | 12.0                     | 750                     | 1200                           |        |                      |
|                                 | 250R         | 30.50                  | 5.0                   | 10.5                       | 60,000                  | 2.5                      | 250                     | 150                            |        |                      |
|                                 | 253          | 30.00                  | 5.0                   | 10.0                       | 15,000                  | 2.5                      | 350                     | 100                            |        |                      |
|                                 | 8020(100R)   | 15.00                  | 5.0                   | 6.5                        | 40,000                  | 1.5                      | 100                     | 60                             |        |                      |
|                                 | 2CL40A       | 32.00                  | 6.0                   | 3.0                        | 16,000                  | 10.0 <sup>4</sup>        | 120 <sup>4</sup>        | 40 <sup>4</sup>                |        |                      |
|                                 | 2X1000A      | 120.00                 | 26.5                  | 2.25                       | 25,000                  | 25.0 <sup>4</sup>        | 1250 <sup>4</sup>       |                                |        |                      |
| 2X3000F                         | 140.00       | 7.5                    | 51.0                  | 25,000                     | 20.0                    | 3000                     | 3000                    |                                |        |                      |
| <b>MERCURY-VAPOR RECTIFIERS</b> | KY21A        | 25.00                  | 2.5                   | 10.0                       | 11,000                  | 3.0                      | 750                     | .....                          |        |                      |
|                                 | RX21A        | 24.00                  | 2.5                   | 10.0                       | 11,000                  | 3.0                      | 750                     | .....                          |        |                      |

A prepared strip of silver-plated spring material, slotted and formed into a series of fingers designed to make sliding contact.

**Double Edge** Width per Ft. U.S.A. Price

CF-100 1 3/8" 2.10  
CF-200 1 3/8" 2.55  
CF-400 1 3/8" 2.95  
CF-600 2 1/4" 1.90

**Klystron Types** Width per Ft. U.S.A. Price

CF-700 1 3/8" x 3/8" 1.85  
CF-800 1 3/8" x 3/8" 1.85

Used as contact between klystrons and externally-tuned cavities. Available in 3-foot lengths only.

|  | U.S.A. Price | Plate Dissipation Watts | Plate Voltage Volts | Plate Current ma | Grid Dissipation Watts | Screen Voltage Volts | Screen Dissipation Watts | Filament Voltage Volts | Filament Current Amps | Amplification Factor |
|--|--------------|-------------------------|---------------------|------------------|------------------------|----------------------|--------------------------|------------------------|-----------------------|----------------------|
|  |              |                         |                     |                  |                        |                      |                          |                        |                       |                      |

|  | Type | Hole Diameter | U.S.A. Price | SK-604 TUBE EXTRACTOR              |  |
|--|------|---------------|--------------|------------------------------------|--|
|  |      |               |              | <b>HEAT-DISSIPATING CONNECTORS</b> | HR-1 .052 \$ .60<br>HR-2 .062 .60<br>HR-3 .072 .60<br>HR-4 .102 .80<br>HR-5 .127 .80<br>HR-6 .367 .80<br>HR-7 .127 1.60<br>HR-8 .575 1.60<br>HR-9 .569 3.00<br>HR-10 .510 1.60 |

|  | Type | U.S.A. Price | Coils | U.S.A. Price |
|--|------|--------------|-------|--------------|
|  |      |              |       |              |

|  | U.S.A. Price | Tube | Screen By-Pass Capacitor uuf | Special Characteristics |
|--|--------------|------|------------------------------|-------------------------|
|  |              |      |                              |                         |

|  | U.S.A. Price | Tube | Screen By-Pass Capacitor uuf | Special Characteristics |
|--|--------------|------|------------------------------|-------------------------|
|  |              |      |                              |                         |

|  | U.S.A. Price | Tube | Screen By-Pass Capacitor uuf | Special Characteristics |
|--|--------------|------|------------------------------|-------------------------|
|  |              |      |                              |                         |

|  | U.S.A. Price | Tube | Screen By-Pass Capacitor uuf | Special Characteristics |
|--|--------------|------|------------------------------|-------------------------|
|  |              |      |                              |                         |

1 Waveguide Output Fitting    4 Convection liquid cooled    7 TV Peak-Synchronizing Level  
2 Coaxial Output Fitting       5 Cathode Current               8 Plus 2250 watts bombardier power  
3 Pulse                               6 Clipper diode service only    9 15 Mc Bandwidth, 3 db points.

All prices subject to change without notice



|                            | U.S.A. Price         | TYPICAL OPERATION      |                         |                             | Frequency Range Mc | MAXIMUM RATINGS                   |                            |                            |                        |                       |                      |
|----------------------------|----------------------|------------------------|-------------------------|-----------------------------|--------------------|-----------------------------------|----------------------------|----------------------------|------------------------|-----------------------|----------------------|
|                            |                      | Output Power, Watts CW | Power Pulse             | Power Gain db               |                    | Beam Voltage Volts                | Beam Current Amps          |                            |                        |                       |                      |
| <b>AMPLIFIER KLYSTRONS</b> | 3K2500LX             | \$ 2,360.00            | 1320                    | .....                       | 25                 | 980-1200                          | 7000                       | 0.6                        |                        |                       |                      |
|                            | 3K2500SG             | 2,950.00               | 1300                    | .....                       | 25                 | 1700-2400                         | 7000                       | 0.6                        |                        |                       |                      |
|                            | 3K3000LQ             | 2,360.00               | 2790                    | .....                       | 30                 | 720-985                           | 9000                       | 0.75                       |                        |                       |                      |
|                            | 3K50,000LA           | 4,200.00               | 10,000                  | 12,000 <sup>7</sup>         | 25                 | 400-600                           | 20,000                     | 2.5                        |                        |                       |                      |
|                            | 3K50,000LF           | 4,200.00               | 10,000                  | 12,000 <sup>7</sup>         | 25                 | 570-720                           | 20,000                     | 2.5                        |                        |                       |                      |
|                            | 3K50,000LQ           | 4,200.00               | 10,000                  | 12,000 <sup>7</sup>         | 25                 | 720-985                           | 20,000                     | 2.5                        |                        |                       |                      |
|                            | 3KM3000LA            | 2,470.00               | 2300                    | .....                       | 30                 | 385-580                           | 9000                       | 0.75                       |                        |                       |                      |
|                            | 3KM4000LT            | 1,880.00               | .....                   | 38,200                      | 30                 | 980-1215                          | 28,000                     | 6.0                        |                        |                       |                      |
|                            | 3KM50,000PA          | 11,000.00              | 20,000                  | 50,000                      | 30                 | 225-400                           | 30,000                     | 2.5                        |                        |                       |                      |
|                            | 4K50,000LQ           | 4,560.00               | 11,200                  | .....                       | 50                 | 720-985                           | 20,000                     | 2.5                        |                        |                       |                      |
|                            | 4KM3000LQ            | 3,750.00               | 2000                    | .....                       | 40                 | 720-985                           | 10,000                     | 0.75                       |                        |                       |                      |
|                            | 4KM3000LR            | 2,585.00               | 2000                    | .....                       | 40                 | 610-985                           | 10,000                     | 0.75                       |                        |                       |                      |
|                            | 4KM50,000LA          | 4,230.00               | 10,000                  | .....                       | 50                 | 400-610                           | 20,000                     | 2.5                        |                        |                       |                      |
|                            | 4KM50,000LQ          | 3,760.00               | 10,000                  | .....                       | 50                 | 610-985                           | 20,000                     | 2.5                        |                        |                       |                      |
|                            | 4KM50,000SG          | 10,000.00              | 11,400                  | .....                       | 50                 | 1700-2400                         | 18,000                     | 2.0                        |                        |                       |                      |
| 4KM170,000LA               | 23,500.00            | 75,000                 | 200,000                 | 50                          | 300-500            | 35,000                            | 5.5                        |                            |                        |                       |                      |
| 6K50,000LQ                 | 8,250.00             | 9,000                  | .....                   | 30                          | 300-500            | 55,000                            | 11.0                       |                            |                        |                       |                      |
|                            |                      |                        |                         |                             |                    |                                   | 20,000                     | 2.5                        |                        |                       |                      |
| <b>REFLEX KLYSTRONS</b>    |                      | U.S.A. Price           | MAXIMUM RATINGS         |                             |                    | Reflector Voltage Volts (Typical) | ELECTRICAL CHARACTERISTICS |                            |                        |                       |                      |
|                            |                      |                        | Resonator Voltage Volts | Resonator Dissipation Watts | Cathode Current ma |                                   | Heater Voltage Volts       | Heater Current Amps        | Frequency Range Mc     |                       |                      |
|                            | 1K015CA <sup>2</sup> | \$295.00               | 350                     | 15                          | 50                 | —250                              | 6.3                        | 0.8                        | 5400-6000              |                       |                      |
|                            | 1K015CG <sup>1</sup> | 295.00                 | 350                     | 15                          | 50                 | —250                              | 6.3                        | 0.8                        | 5400-6000              |                       |                      |
|                            | 1K125CA <sup>1</sup> | 235.00                 | 1000                    | 125                         | 110                | —285                              | 6.3                        | 1.2                        | 3700-4400              |                       |                      |
|                            | 1K125CB <sup>1</sup> | 235.00                 | 1000                    | 125                         | 110                | —335                              | 6.3                        | 1.2                        | 4400-5000              |                       |                      |
|                            | 1K20KA <sup>1</sup>  | 475.00                 | 350                     | 20                          | 50                 | —190                              | 6.3                        | 0.8                        | 10,700-11,500          |                       |                      |
|                            | 1K20XD <sup>1</sup>  | 475.00                 | 350                     | 20                          | 50                 | —175                              | 6.3                        | 0.8                        | 10,000-10,700          |                       |                      |
| 1K20XK <sup>1</sup>        | 475.00               | 350                    | 20                      | 50                          | —160               | 6.3                               | 0.8                        | 9200-10,000                |                        |                       |                      |
| 1K20XS <sup>1</sup>        | 475.00               | 350                    | 20                      | 50                          | —140               | 6.3                               | 0.8                        | 8500-9200                  |                        |                       |                      |
| <b>TETRODES</b>            |                      | U.S.A. Price           | MAXIMUM RATINGS         |                             |                    |                                   |                            | ELECTRICAL CHARACTERISTICS |                        |                       |                      |
|                            |                      |                        | Plate Dissipation Watts | Plate Voltage Volts         | Plate Current ma   | Grid Dissipation Watts            | Screen Voltage Volts       | Screen Dissipation Watts   | Filament Voltage Volts | Filament Current Amps | Amplification Factor |
|                            | 4-65A                | \$ 25.00               | 65                      | 3000                        | 150                | 5                                 | 600                        | 10                         | 6.0                    | 3.5                   | .....                |
|                            | 4-125A               | 36.00                  | 125                     | 3000                        | 225                | 5                                 | 600                        | 20                         | 5.0                    | 6.5                   | .....                |
|                            | 4-250A               | 46.50                  | 250                     | 4000                        | 350                | 10                                | 600                        | 35                         | 5.0                    | 14.5                  | .....                |
|                            | 4-400A               | 55.00                  | 400                     | 4000                        | 350                | 10                                | 600                        | 35                         | 5.0                    | 14.5                  | .....                |
|                            | 4-1000A              | 132.00                 | 1000                    | 6000                        | 700                | 25                                | 1000                       | 75                         | 7.5                    | 21.0                  | .....                |
|                            | 4CN15A               | 57.65                  | 15                      | 2500                        | .....              | 2                                 | 400                        | 12                         | 6.0                    | 3.0                   | .....                |
|                            | 4CW10,000A           | 625.00                 | 10,000                  | 7500                        | 3000               | 75                                | 1500                       | 250                        | 7.5                    | 75.0                  | .....                |
|                            | 4CX125C              | 55.00                  | 125                     | 2500                        | 250                | 2                                 | 400                        | 12                         | 6.0                    | 3.0                   | .....                |
|                            | 4CX250B              | 45.00                  | 250                     | 2000                        | 250                | 2                                 | 400                        | 12                         | 6.0                    | 2.6                   | .....                |
|                            | 4CX250F              | 45.00                  | 250                     | 2000                        | 250                | 2                                 | 400                        | 12                         | 26.5                   | 0.57                  | .....                |
|                            | 4CX250K              | 54.00                  | 250                     | 2000                        | 250                | 2                                 | 400                        | 12                         | 6.0                    | 2.6                   | .....                |
|                            | 4CX250M              | 54.00                  | 250                     | 2000                        | 250                | 2                                 | 400                        | 12                         | 26.5                   | 0.57                  | .....                |
|                            | 4CX300A              | 48.00                  | 300                     | 2500                        | 250                | 2                                 | 400                        | 12                         | 6.0                    | 3.0                   | .....                |
|                            | 4CX1000A             | 156.00                 | 1000                    | 3000                        | 1000               | 0                                 | 400                        | 12                         | 6.0                    | 10.5                  | .....                |
|                            | 4CX5000A             | 450.00                 | 5000                    | 7500                        | 3000               | 75                                | 1500                       | 250                        | 7.5                    | 75.0                  | .....                |
|                            | 4W300B               | 42.50                  | 300                     | 2000                        | 250                | 2                                 | 400                        | 12                         | 6.0                    | 2.6                   | .....                |
|                            | 4W20,000A            | 1,850.00               | 20,000                  | 8000                        | 15,000             | 60                                | 1500                       | 200                        | 10.0                   | 30.0 <sup>9</sup>     | .....                |
|                            | 4X150A               | 38.95                  | 150                     | 1250                        | 250                | 2                                 | 400                        | 12                         | 6.0                    | 2.6                   | .....                |
|                            | 4X150D               | 38.95                  | 150                     | 1250                        | 250                | 2                                 | 400                        | 12                         | 26.5                   | 0.57                  | .....                |
| 4X150G                     | 54.00                | 150                    | 1250                    | 250                         | 2                  | 400                               | 15                         | 2.5                        | 6.8                    | .....                 |                      |
| 4X250B                     | 42.50                | 250                    | 2000                    | 250                         | 2                  | 400                               | 12                         | 6.0                        | 2.6                    | .....                 |                      |
| 4X250F                     | 42.50                | 250                    | 2000                    | 250                         | 2                  | 400                               | 12                         | 26.5                       | 0.57                   | .....                 |                      |
| 4X500A                     | 121.00               | 500                    | 4000                    | 350                         | 10                 | 500                               | 30                         | 5.0                        | 13.5                   | .....                 |                      |
| <b>PENTODE</b>             | 4E27A, 5-125B        | \$ 40.00               | 125                     | 4000                        | 200                | 5                                 | 750                        | 20                         | 5.0                    | 7.50                  | .....                |
| <b>TRIODES</b>             | 2C39A                | \$ 22.50               | 100                     | 1000                        | 125 <sup>5</sup>   | 2                                 | .....                      | .....                      | 6.3                    | 1.0                   | 100                  |
|                            | 2C39WA               | 30.00                  | 100                     | 1000                        | 125 <sup>5</sup>   | 2                                 | .....                      | .....                      | 6.3                    | 1.0                   | 100                  |
|                            | 3C24                 | 15.00                  | 25                      | 2000                        | 75                 | 7                                 | .....                      | .....                      | 6.3                    | 3.0                   | 24                   |
|                            | 3CPN10A5             | 32.15                  | 10                      | .....                       | .....              | .....                             | .....                      | .....                      | 6.0                    | 1.0                   | 100                  |
|                            | 3CX100A5             | 32.15                  | 100                     | 1000                        | 125 <sup>5</sup>   | 2                                 | .....                      | .....                      | 6.0                    | 1.0                   | 100                  |
|                            | 3W5000A1             | 210.00                 | 5000                    | 6000                        | 2500               | 50                                | .....                      | .....                      | 7.5                    | 51.0                  | 5                    |
|                            | 3W5000A3             | 198.00                 | 5000                    | 6000                        | 2500               | 150                               | .....                      | .....                      | 7.5                    | 51.0                  | 20                   |
|                            | 3W5000F1             | 210.00                 | 5000                    | 6000                        | 2500               | 50                                | .....                      | .....                      | 7.5                    | 51.0                  | 5                    |
|                            | 3W5000F3             | 198.00                 | 5000                    | 6000                        | 2500               | 150                               | .....                      | .....                      | 7.5                    | 51.0                  | 20                   |
|                            | 3X100A5              | 25.00                  | 100                     | 1000                        | 125 <sup>5</sup>   | 2                                 | .....                      | .....                      | 6.3                    | 1.0                   | 100                  |
|                            | 3X2500A3             | 198.00                 | 2500                    | 6000                        | 2500               | 150                               | .....                      | .....                      | 7.5                    | 51.0                  | 20                   |
|                            | 3X2500F3             | 198.00                 | 2500                    | 6000                        | 2500               | 150                               | .....                      | .....                      | 7.5                    | 51.0                  | 20                   |
|                            | 3X3000A1             | 198.00                 | 3000                    | 6000                        | 2500               | 50                                | .....                      | .....                      | 7.5                    | 51.0                  | 5                    |
|                            | 3X3000F1             | 198.00                 | 3000                    | 6000                        | 2500               | 50                                | .....                      | .....                      | 7.5                    | 51.0                  | 5                    |
|                            | 25T                  | 15.00                  | 25                      | 2000                        | 75                 | 7                                 | .....                      | .....                      | 6.3                    | 3.0                   | 24                   |
|                            | 35T                  | 20.00                  | 50                      | 2000                        | 150                | 15                                | .....                      | .....                      | 5.0                    | 4.0                   | 39                   |
|                            | 75TH                 | 28.00                  | 75                      | 3000                        | 225                | 16                                | .....                      | .....                      | 5.0                    | 6.25                  | 20                   |
|                            | 75TL                 | 28.00                  | 75                      | 3000                        | 225                | 13                                | .....                      | .....                      | 5.0                    | 6.25                  | 12                   |
|                            | 100TH                | 22.00                  | 100                     | 3000                        | 225                | 20                                | .....                      | .....                      | 5.0                    | 6.3                   | 38                   |
|                            | 100TL                | 22.00                  | 100                     | 3000                        | 225                | 15                                | .....                      | .....                      | 5.0                    | 6.3                   | 14                   |
|                            | 250TH                | 33.00                  | 250                     | 4000                        | 350                | 40                                | .....                      | .....                      | 5.0                    | 10.5                  | 37                   |
|                            | 250TL                | 33.00                  | 250                     | 4000                        | 350                | 35                                | .....                      | .....                      | 5.0                    | 10.5                  | 14                   |
|                            | 304TH                | 60.50                  | 300                     | 3000                        | 900                | 60                                | .....                      | .....                      | 5 or 10                | 25 or 12.5            | 20                   |
|                            | 304TL                | 60.50                  | 300                     | 3000                        | 900                | 50                                | .....                      | .....                      | 5 or 10                | 25 or 12.5            | 12                   |
|                            | 450TH                | 77.00                  | 450                     | 6000                        | 600                | 80                                | .....                      | .....                      | 7.5                    | 12.0                  | 38                   |
|                            | 450TL                | 77.00                  | 450                     | 6000                        | 600                | 65                                | .....                      | .....                      | 7.5                    | 12.0                  | 18                   |
|                            | 592/3-200A3          | 37.50                  | 200                     | 3500                        | 250                | 25                                | .....                      | .....                      | 10.0                   | 5.0                   | 25                   |
|                            | 750TL                | 137.50                 | 750                     | 10,000                      | 1000               | 100                               | .....                      | .....                      | 7.5                    | 21.0                  | 15                   |
|                            | 1000T                | 137.50                 | 1000                    | 7500                        | 750                | 80                                | .....                      | .....                      | 7.5                    | 15.5                  | 35                   |
|                            | 1500T                | 245.00                 | 1500                    | 8000                        | 1250               | 125                               | .....                      | .....                      | 7.5                    | 24.0                  | 24                   |
| 2000T                      | 340.00               | 2000                   | 8000                    | 1750                        | 150                | .....                             | .....                      | 10.0                       | 23.5                   | 23                    |                      |

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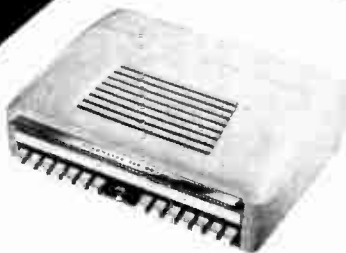
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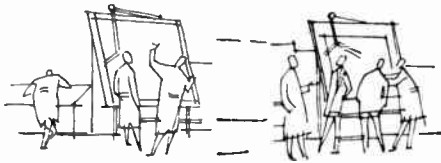
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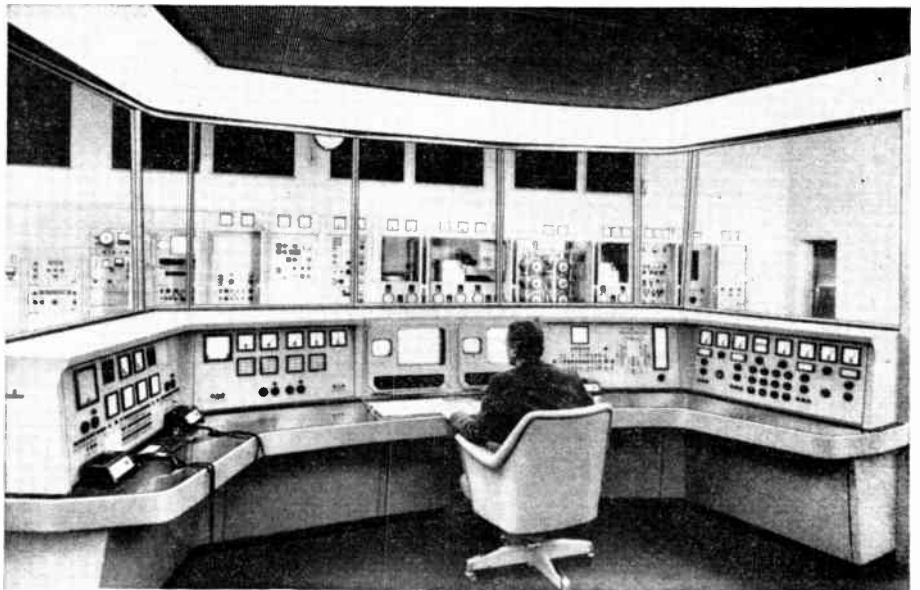


## Through all the Stages of a Project

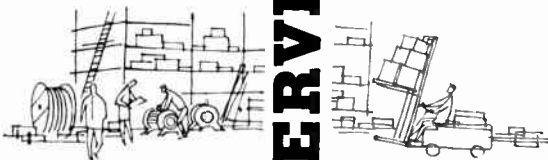
from investigation on site to planning, production, installation and subsequent servicing – a staff of highly qualified specialists set their pride in working out optimum solutions to all problems.

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512 E AS-59-27

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**THE PRACTICAL LOW COST ANSWER TO MULTI-CHANNEL OSCILLOGRAPHIC RECORDING PROBLEMS ... SANBORN INTRODUCES THE FIRST OF THE 950 SERIES ... THE 958-1500 SYSTEM ... FOR FLOATING OR GROUNDED INPUTS FROM 10  $\mu$ V TO 2 MV PER DIVISION ... ALL-TRANSISTORIZED ELECTRONICS MOUNTED BEHIND A SINGLE 7" HIGH PANEL ... FLUSH-FRONT RECORDER WITH 9 ELECTRICALLY-CONTROLLED CHART SPEEDS ... IMPROVED, RUGGED GALVANOMETERS ... CLEAR, INKLESS TRACES ... RECTANGULAR COORDINATE RECORDINGS ... ALL IN A SYSTEM DESIGNED SPECIFICALLY TO PROVIDE GREATER ECONOMY AND ACCURACY WHEN SYSTEM FLEXIBILITY IS NOT REQUIRED.**



Additional features of the "950" Series include: common power supply, built-in MOPA, front and rear inputs, easily serviced plug-in circuit cards, adaptability for use with other readout devices, availability in 4-, 6- or 8-channel models. When many channels are constantly in use for floating or grounded high gain inputs the simplified 958-1500 design assures dependable operation, yet at much lower "per channel" cost.

*Complete details are available from Sanborn Sales-Engineering Representatives located in principal cities throughout the U.S., Canada and foreign countries.*

**SPECIFICATIONS—Model 958-1500 System**

|                       |  |
|-----------------------|--|
| INPUT                 | 100,000 ohms, all ranges, floating and guarded.  |
| LINEARITY             | $\pm 0.4\%$  |
| SENSITIVITY           | 10, 20, 50, 100, 200, 500, 1000 and 2000 uv per chart div                                  |
| COMMON MODE REJECTION | 100 db, min. dc  |
| FREQUENCY RESPONSE    | 0-100 cps within 3 db at 10 div peak to peak. 0-50 cps within 3 db at 50 div peak to peak. |
| NOISE                 | $\frac{1}{4}$ div peak to peak maximum.  |

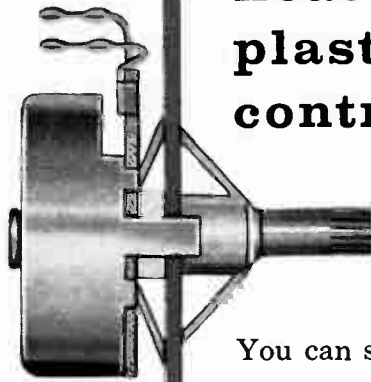
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**SANBORN  COMPANY**

INDUSTRIAL DIVISION 175 Wyman Street, Waltham 54, Massachusetts  
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labor costs

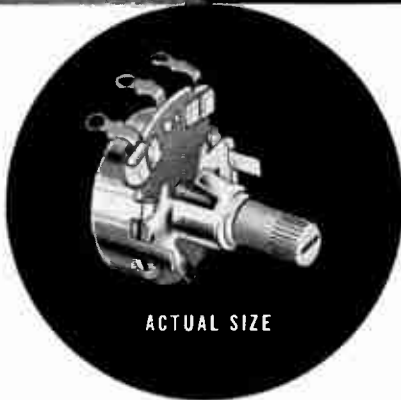
**Centralab's**  
heat-stable  
plastic shaft  
controls



**SNAP** into place

You can save on installation costs—up to \$10.00 per thousand units—because CENTRALAB Model 2 variable resistors SNAP into position.\*

This exclusive “Snap-Tite” design is but one of the many features that make the Model 2 so practical. The thermo-setting plastic shaft is UL approved. You have a choice of six shaft lengths—and the shafts have service adjust screwdriver slots front and rear. The shaft and contact rotor are molded in one piece for rigid, vibration resistant construction.



#### SPECIFICATIONS

Resistance element: Composition

Resistance range: 250 ohms to 10 megohms

Taper: Available in seven standard tapers

Effective Rotation: 300°

Shaft Lengths: 3/8", 1/2", 5/8", 3/4", 7/8", 1"

Terminals: Standard, plug-in or wire-wrap

\*Mounting: Interchangeable with panel piercing for bushing and twist tab mount

Further information and detailed engineering data available in CENTRALAB Engineering Bulletin EP-815. Write for your free copy.

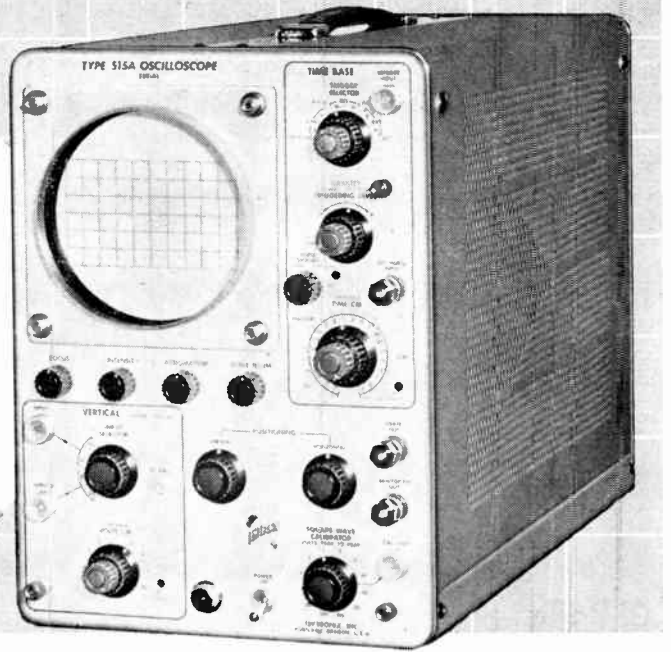
**Centralab Canada Ltd.**

B5971

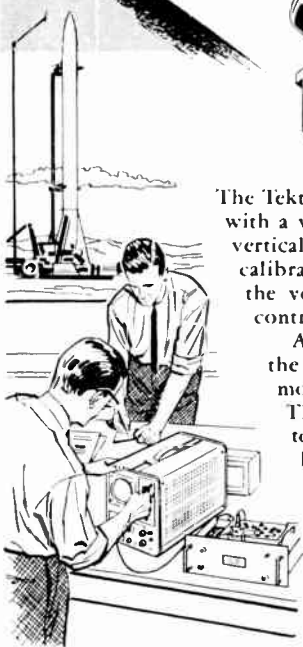
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# Low Cost HIGH PERFORMANCE OSCILLOSCOPE

- DC-to-15 MC Vertical Response
- 0.05 v/cm Vertical-Deflection Factor
- 0.04  $\mu$ sec/cm Calibrated Sweep

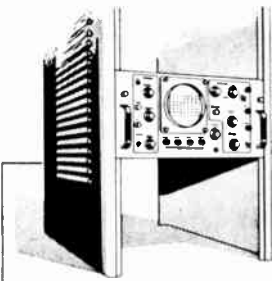
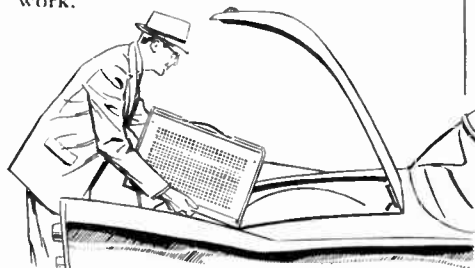


**TYPE 515A**



The Tektronix Type 515A is a low-cost oscilloscope with a wide range of capabilities. Its dc-to-15 mc vertical response, wide sweep range and accurate calibration extend its application coverage from the very slow to the very fast, and simplified controls make it very easy to operate.

Although a higher-performance instrument, the Type 515A is smaller and weighs less than most other five-inch laboratory oscilloscopes. Therefore it is more easily moved from place to place in the laboratory, and to remote locations for applications requiring precise measurements. Take a look at the specifications and see if you don't think the Type 515A has interesting possibilities in your work.



**TYPE RM15**

Same instrument electrically as the Type 515A, but in rack-mounting form. Dimensions—8 $\frac{3}{4}$ " high, 19" wide, 23" rack depth.

**\$875**

## Tektronix, Inc.

P. O. Box 831 • Portland 7, Oregon  
Phone CYPRESS 2-2611 • TWX-PD 311 • Cable: TEKTRONIX

**CANADIAN FIELD OFFICE:**  
3 Finch Avenue East, Willowdale, Ontario  
Phone: Toronto, BAldwin 5-1138

### SPECIFICATIONS

#### VERTICAL RESPONSE

- Passband—dc to 15 mc.
- Risetime—0.023  $\mu$ sec.
- Signal Delay—0.25  $\mu$ sec.

#### VERTICAL SENSITIVITY

- 0.05 v/cm to 50 v/cm, continuously variable.
- 9 calibrated steps from 0.05 v/cm to 20 v/cm.

#### SWEEP RANGE

- 0.04  $\mu$ sec/cm to 6 sec/cm, continuously variable.
- Single control selects any of 22 calibrated steps from 0.2  $\mu$ sec/cm to 2 sec/cm.
- 5 x magnifier, accurate on all ranges.

#### FOUR-WAY TRIGGERING

- Amplitude-Level Selection**—adjustable amplitude-level and stability controls for triggering at a selected level on either the positive or negative slope of external, internal, and line signals, ac or dc-coupled.
- Preset Stability**—same as above, except stability control is preset at the optimum triggering point and requires no readjustment.
- Automatic Triggering**—automatic level-seeking trigger circuit provides dependable triggering for most applications. One simple setting assures positive sweep-triggering by signals of widely differing amplitudes, shapes, and repetition rates. No trigger controls need be touched until a different type of operation is desired. Provides a reference trace on the screen when no trigger signal is present.
- High-Frequency Sync**—assures a steady display of sine-wave signals up to approximately 20 mc.

#### OTHER FEATURES

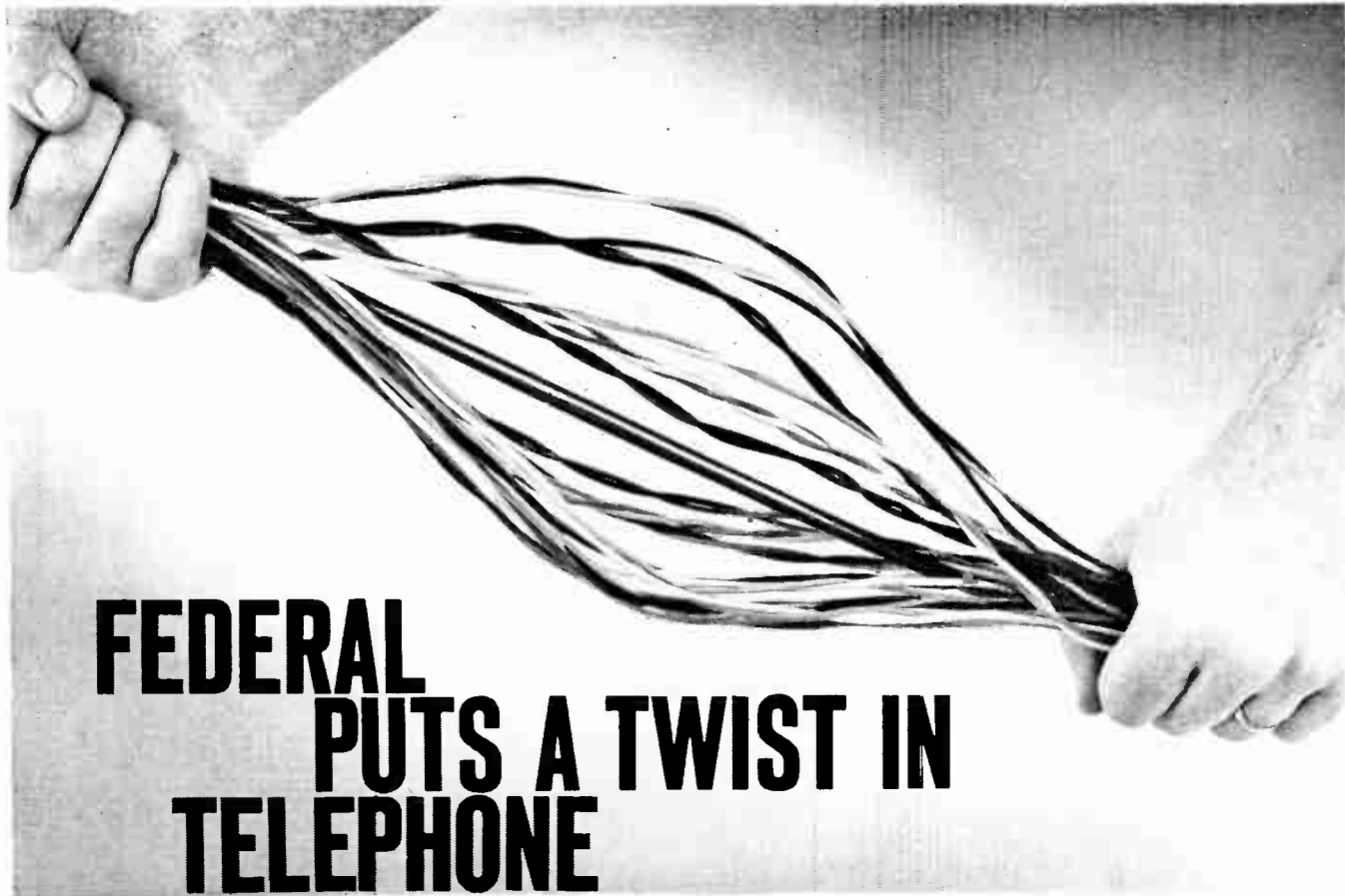
- 4-KV Accelerating Potential
- DC-Coupled Unblanking
- Square-Wave Amplitude Calibrator
- Electronically-Regulated Power Supplies
- Dimensions—9 $\frac{3}{4}$ " wide, 13 $\frac{1}{2}$ " high, 21 $\frac{1}{2}$ " deep.
- Weight—40 pounds.

**TYPE 515A** ..... **\$800**

Prices f.o.b. factory

**ENGINEERS**—Interested in furthering the advancement of the oscilloscope? We have openings for men with creative ability in circuit and instrument design, cathode-ray tube design, and semiconductor research. Please write Richard Ropiequet, V.P., Eng.





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## Special 'Unilay' Construction

Twist it's open . . . twist it's closed! Just as simple as that, this one-direction cabling technique gives easy access to inner conductors . . . makes possible faster, more efficient mid-span taps.



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Because of its high tensile strength, it is ideal where longer spans are required. Its rugged construction gives excellent service life and permits re-use after emergency operation. Thus, considerable time and expense are saved in new construction. Engineered for maximum dielectric strength, low transmission loss and cross talk, Federal Rural Distribution Wire provides the best in subscriber service at minimum cost.

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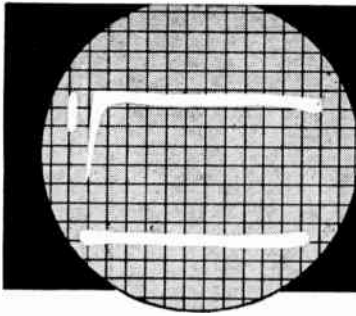
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USING SWEEP FREQUENCY GENERATOR TECHNIQUES...



**NEW**

## WIDE BAND SWEEP FREQUENCY GENERATOR — MODEL 900-A

The instrument features provisions for external markers, employing "birdie bypass" circuitry, and a plug-in R.F. detector that can be used in remote applications.

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SWEEP WIDTHS—AS WIDE AS 400 MC . . . FROM 0.5 MC to 1200 MC. The JERROLD Model 900-A, Wide Band Sweep Frequency Generator is an instrument of unusual versatility. In two ranges—0.5 MC to 400 MC and 275 MC to 1200 MC—the instrument supplies sweep signal with center at any frequency from 500 KC to 1000 MC and with sweep widths as broad as 400 MC and as narrow as 100 KC. The RF output—carefully monitored by matched, crystal diodes feeding a two stage, push-pull AGC amplifier—is flat within  $\pm 0.5$  db at full sweep width up to 800 mcs. and  $\pm 1.5$  db from 800 mcs. to 1200 mcs. When using sweep widths as narrow as 20 mcs. flatness at any center frequency is approximately  $\pm 0.15$  db. The output voltage is 0.5 volts RMS across a 50 ohm load at the upper range and 0.25 volts at the lower range.



## A HIGH SPEED COAXIAL SWITCH — MODEL FD-30

For the simultaneous display of two channels or voltages on an oscilloscope.

Frequency range of coaxial circuit is from DC to 250 MC with a VSWR of less than 1.1 at 50 or 75 ohms impedance. Switch contacts "Mercury-Wetted" with an adjustable switch rate of 30, 15 or 10 cps.

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## Wide Band Sweep Generators—Models 601 and 602

Portable, wide band instruments designed for the test and alignment of LF, IF, and RF circuitry. The Generators feature an electronic, saturable reactor sweep circuit with a maximum sweep deviation of approximately 5 to 1. RF output on all ranges is fundamental.

### MODEL 601

12 MC to 225 MC in eleven overlapping ranges. RF output of 1.0 volt RMS. Output flat  $\pm 1/2$  db over widest sweep width and as flat as  $1/5$  db at sweep widths of 40 mc or lower.

### MODEL 602

4 MC to 112 MC in eleven overlapping ranges. RF output of 2.5 volts RMS. Output flat within  $\pm 1/2$  db.

Other Generators available on special order to cover any portion of the frequency range from 15 KC to 225 MC.



\$375.00

## VARIABLE, LABORATORY ATTENUATORS — MODELS AV-50 and AV-75



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Variable, switch-type attenuators from DC to 500 MC. The attenuators feature: 0 to 62.5 db attenuation, in 0.5 db steps; low insertion loss of  $1/4$  db at 250 MC, and  $1/2$  db at 500 MC; VSWR of less than 1.15 at 250 MC, and less than 1.4 at 500 MC; newly developed rotary, coaxial switches that utilize a floating rotor with dual wiping, self aligning contacts mounted in a "Tel-F" dielectric; completely shielded switch sections; and rugged, compact design. Model AV-50 is 50 ohms with BNC connectors, and Model AV-75 is 75 ohms with Jerrold "F" Series connectors.

## ALSO AVAILABLE FOR ACCURATE QUANTITATIVE MEASUREMENTS

### MODEL 707 — PRECISION SWEEP GENERATOR

Available with plug-in oscillator heads for any frequency range from 4 MC to 250 MC. Flatness  $\pm 5/100$  db, power output +20 dbm.

### MODEL CM-6 & CM-10 — CRYSTAL MARKERS

Available with 6 or 10 crystal frequencies of your choice. Harmonics, side band or "birdie bypass" markers.

### MODEL VC-12 — VOLTAGE COMPARATOR

For use with any sweep generator for accurate quantitative measurements of Voltage, Power, dbm, and relative db differential.

### MODEL SPR-100 — OSCILLOSCOPE PREAMPLIFIER

A complete sweep generator accessory featuring a built-in detector that is flat to 250 MC, a preamp. gain of 40 db, and provision for marker insertion employing "birdie bypass" circuitry.

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## CHICAGO MINIATURE LAMPS (Standard or Special Design)

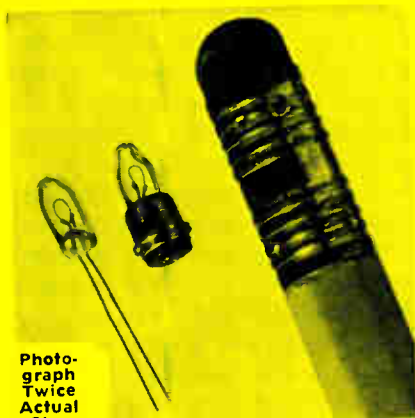


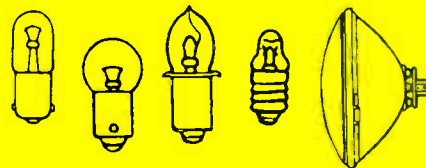
Photo  
Twice  
Actual  
Size

This photo shows two models of the smallest commercially designed, long-life lamp ever made, designed and produced by Chicago Miniature Lamp Works for use on new jet transport planes, etc. The life expectancy of over 7 years of continuous burning is phenomenal.

- for
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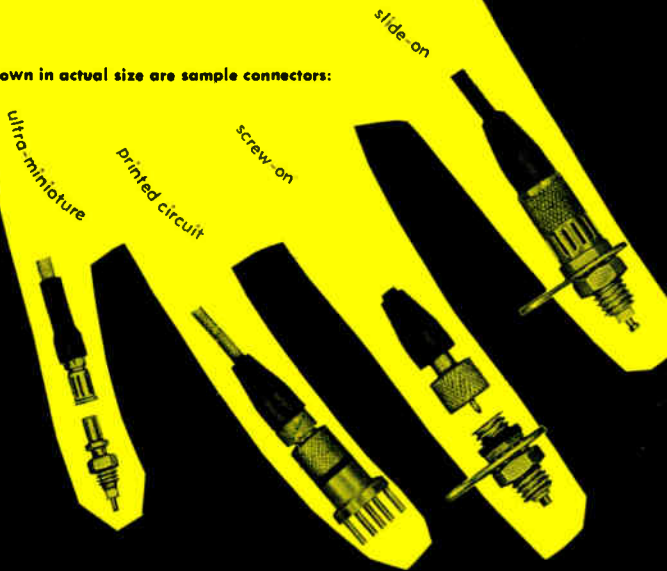
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### TYPICAL COAXIAL CONNECTORS (not covered by, but designed towards MIL C 3608)

| Connector Type             | Price Each | FOR 50 OHM CABLES |                |                 | FOR 70 OHM CABLES |                |                 | FOR 93 OHM CABLES |                 |
|----------------------------|------------|-------------------|----------------|-----------------|-------------------|----------------|-----------------|-------------------|-----------------|
|                            |            | Screw             | Quick Connect  | Slide-on        | Screw             | Quick Connect  | Slide-on        | Screw             | Slide-on        |
|                            | 1.24 Qty.  | "S-50" Series     | "QC-50" Series | "SOS-50" Series | "S-70" Series     | "QC-70" Series | "SOS-70" Series | "S-93" Series     | "SOS-93" Series |
| Straight Cable Plug (1)    | \$1.50     | 32-23             | 32-30          | 32-55           | 32-67             | 32-16          | 32-60           | 32-92             | 32-84           |
| Right Angle Cable Plug (2) | \$3.00     | 32-15             | 32-25          | 32-63           | 32-13             | 32-27          | 32-62           | 32-68             | 32-83           |
| Cable Jack (1)             | \$2.00     | 31-34             | 31-38          | 31-53           | 31-90             | 31-97          | 31-95           | 31-88             | 31-93           |
| Bulkhead Jack (1)          | \$2.50     | 31-33             | xx             | 31-54           | 31-91             | xx             | 31-96           | 31-89             | 31-94           |
| Bulkhead Receptacle        | \$1.80     | 31-50             | 31-57          | 31-49           | 31-51             | xx             | 31-49           | 31-52             | 31-49           |
| Hermetic Seal Receptacle   | \$3.50     | 51-49             | xx             | 51-158          | xx                | xx             | 51-158          | 51-56             | 51-158          |
| Printed Circuit Receptacle | \$1.80     | 31-59             | xx             | 31-60           | 31-69             | xx             | 31-60           | 31-67             | 31-60           |
| BNC Adapter                | \$3.00     | 33-04             | 33-41          | 33-81           | 33-21             | 33-41          | 33-81           | 33-22             | 33-81           |

(1) Factory assembly — 45¢ each • Field assembly instructions: Bulletin 48

(2) Factory assembly — 90¢ each • Field assembly instructions: Bulletin 45

### TYPICAL COAXIAL CABLES (some to MIL C 178)

| Part No.             | RG No.   | Price Per Foot 1-99' | Suggested Temperature Range °F | Characteristic Impedance Ohms | Capacitance mmf/ft | Attenuation 400 mc db/ft | O.D. Inch |
|----------------------|----------|----------------------|--------------------------------|-------------------------------|--------------------|--------------------------|-----------|
| 50-3804 "Mini-noise" | xx       | 30¢                  | -65 + 165                      | 55                            | 28                 | .30                      | .088      |
| 50-3902              | xx       | 18¢                  | -40 + 240                      | 50                            | 28                 | .25                      | .067      |
| 50-3920CW            | RG 196/U | 41¢                  | -100 + 400                     | 50                            | 28                 | .25                      | .080      |
| 70-3902              | xx       | 22¢                  | -40 + 240                      | 70                            | 20                 | .20                      | .088      |
| 75-3920CW            | RG 187/U | 56¢                  | -100 + 400                     | 75                            | 20                 | .20                      | .110      |
| 93-3902              | xx       | 41¢                  | -40 + 240                      | 93                            | 15                 | .20                      | .130      |
| 95-3920CW            | RG 195/U | 83¢                  | -100 + 400                     | 95                            | 15                 | .20                      | .155      |
| 93-3913              | xx       | 19¢                  | -40 + 140                      | 98                            | 12                 | .20                      | .130      |

LAKE ENGINEERING CO. LTD., 123 MANVILLE RD., TORONTO

ELECTRONICS AND COMMUNICATIONS, December, 1959

### 73 Series Molded Units

conform to MIL-C-15305A  
0.1 uhy. — 1,000 uhy.



### 78 Series Single Pie Units

Available in preferred values —  
±5% tolerance  
22 — 910 uhy.



### 72 Series R.F. Chokes

Designed for low self resonant  
freq.  
0.25 — 25 uhy: 75-300 ma.



### 75 and 76 Series L.F. Chokes

Designed for low freq.  
0.25 — 150 uhy., 20-125 ma.

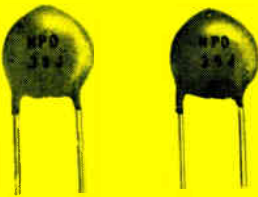
**STANWYCK COIL PRODUCTS  
LIMITED**  
HAWKESBURY, ONTARIO

# ERIE

TUBULAR and DISC  
CERAMICONS

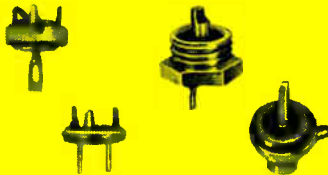
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(Available in Temperature  
compensating & HI-K Bodies)  
100-6000 D.C.W.V.

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10-2400 MMF  
Operation to 125°C

### ERIE MIL C-81A CERAMICON TRIMMERS



1.5-7 to 7-45 MMF  
T.C. range NPO to N650

### ERIE STAND-OFF CERAMICONS

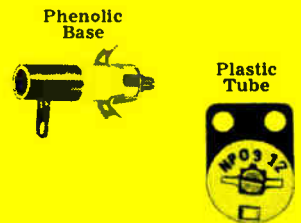


1-5000 MMF

### ERIE CUSTOM BUILT ASSEMBLIES



### ERIE TRIMMERS



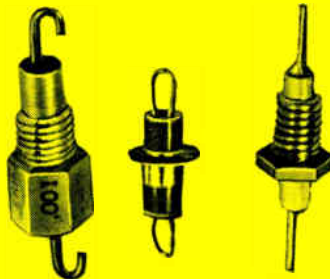
0.5-5.0 to 8-50 MMF  
T.C. range NPO to N750

### ERIE SUPPRESSORS



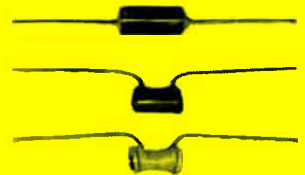
Spark Plug and  
Distributor Types

### ERIE FEED THRU CERAMICONS



10 to 10,000 MMF  
(Available in Temperature  
compensating & HI-K Bodies)

### ERIE TUBULAR CERAMICONS



0.5 to 12000 MMF  
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Head Office and Factory: TRENTON - EM. 2-3315 (Toronto Direct Line)



**S-24 — Pressure mounted overtone crystal**  
15 - 50 mcs.  
±.005%



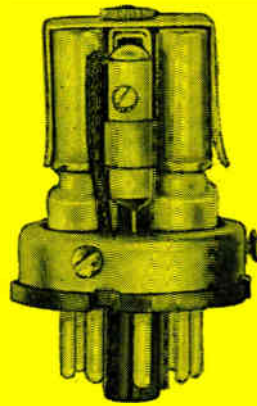
**S-17 — MIL Type HC6/U**  
200 kc - 75 mcs. ±.001%



**S-1 — MIL Type HC 18/U**  
7 mcs. - 125 mcs.



**S-7 — MIL Type FT243**  
2 mcs. - 10 mcs.  
(Replacement Type only)



**SO-2 Oven for 2-HC6/U Crystals**

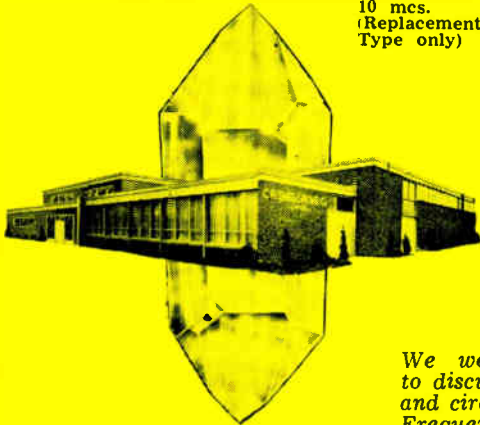
Available with 6, 12 and 24 volt heaters. Past field experience indicates years of trouble-free performance.

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Available from 10 kc to 100 mcs. Designed to customer's specifications.



**S-177 — MIL Type HC 13/U**  
10kc - 200kc



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Birtcher KOOL KLAMPS perform two important functions, they reduce miniature and sub-miniature tube temperatures by as much as 40°C. while retaining against shock and vibration. Refer to catalog 5-KK.



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The Navy Electronics Research Laboratory developed these Birtcher-manufactured corrugated JAN shield inserts to combat the high rate of tube failures due to excessive heat. Refer to data sheet.



**TRANSISTOR CLIPS**

TRANSISTOR CLIPS are made in a range of sizes and shapes to retain nearly all currently used transistors and carry off much of the heat to insure greater life and performance. Refer to catalog 2-TC.



**DIODE RADIATORS**

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**TOP HOLDING CLAMPS**

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Please address all communications to Lake Engineering Co. Ltd., Exclusive Canadian Representative.

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NE-51H

### the NEW High Brightness Neon Glow Lamp NE-51H

This lamp may be operated at about 3 times the level of current that may be applied to the standard lamp, and it will produce 8 times as much light — with long life!

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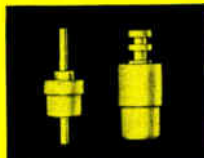
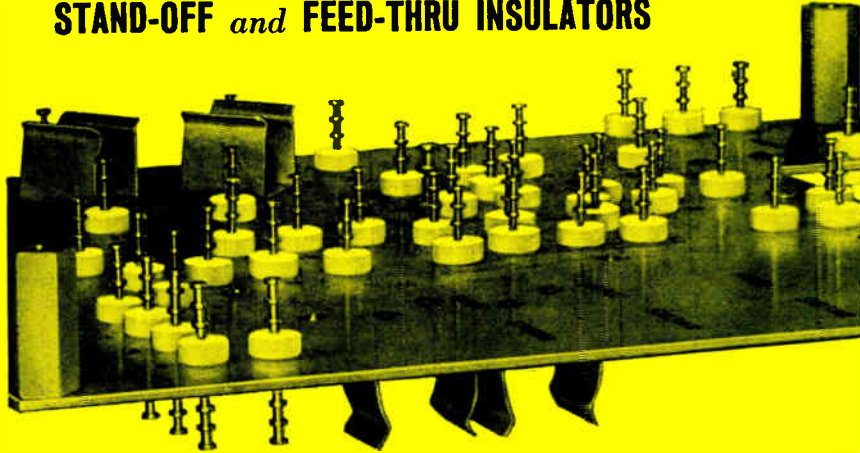
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Engineering Data Bulletin.

**LAKE ENGINEERING CO., LTD.**  
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Where reliability is critical...

# Chemelec\*

STAND-OFF and FEED-THRU INSULATORS



Compression-Mounted Type



Metal-Base Type



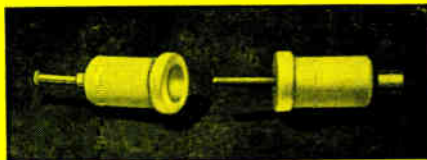
Patented Metal-Base Type

Simple to install, resistant to heat and breakage, and—above all—reliable under any conditions, Chemelec Stand-Off and Feed-Thru Insulators are the obvious choice in missile guidance, fire control, tracking, and radar systems . . . nearly all critical electronic circuits. DuPont TEFLON†—unmatched for electronic applications—is used as the insulator body. TEFLON has exceptional dielectric properties, is chemically inert, resists heat to extreme temperatures, won't break under severest shock or vibration. And, Chemelec Compression-Mounted Stand-Off and Feed-Thru Insulators are designed for easy installation. You simply press them into pre-drilled holes; they become self-fastening, requiring no additional hardware for adjustment. Available in compression-mounted, metal-base, miniature and sub-miniature types . . . standard R.M.A. colors with a wide range of sizes and terminal designs.

For further information, write for Catalog AD-169. Garlock Electronic Products, The Garlock Packing Company, Camden 1, New Jersey.

## Chemelec\* CONNECTORS

—Teflon Insulated for Outstanding High Frequency Service



\*Registered Trademark †DuPont Trademark

Chemelec TEFLON-insulated male and female connectors are used mainly as break-away connectors . . . plug-in crystal diodes, plug-in coils and forms, test probes. Once compressed into chassis holes, the connectors need no further adjustment or hardware. Chemelec Connectors have all the fine TEFLON characteristics, and are available in the .040, .050, and .064 pin size. Female connectors are also available in the .080 size.

# GARLOCK

Electronic Products





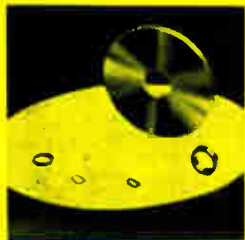




# FERRITE MATERIALS

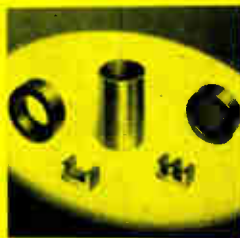
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A TYPICAL TWT FOCUS ARRAY, utilizing Kearfott custom designed ferrite magnets, results in a smaller and lighter unit than generally available.



**MN-30 HIGH PERMEABILITY FERRITE** is also highly machineable. The Initial Perm. of 3000 and Max. Perm. of 6000 permits new uses for ferrites.

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**Aladdin®**  
the world's foremost manufacturer of miniature pulse transformers — presents a new line of miniature and micro-miniature **WIDE-BAND COUPLING TRANSFORMERS**

Average Weight 1.3 Grams

Average Weight 7.5 Grams

**VERY WIDE FREQUENCY RESPONSE  
LOW DISTORTION  
LOW PHASE SHIFT  
SMALL SIZE AND WEIGHT**

These miniature transformers are designed for use as coupling and impedance matching transformers in the AUDIO and RF range. They are ideally suited to transistorized equipment.

*Some of their outstanding features are:*

**URNS RATIOS:** Standard units are available in all integral turns ratios from 1:1 to 1:10.

**CENTER TAPS:** All units are available with either one or both of the windings center-tapped.

**POWER RATINGS:** The 58-series is conservatively rated at one watt and the 65- and 70-series at one-half watt. Overloading the units by 100% will only narrow the frequency band within which a unit can be operated without increasing distortion.

Any of these Aladdin transformers can stand momentary overloads up to 10 times the rated power-handling capacity.

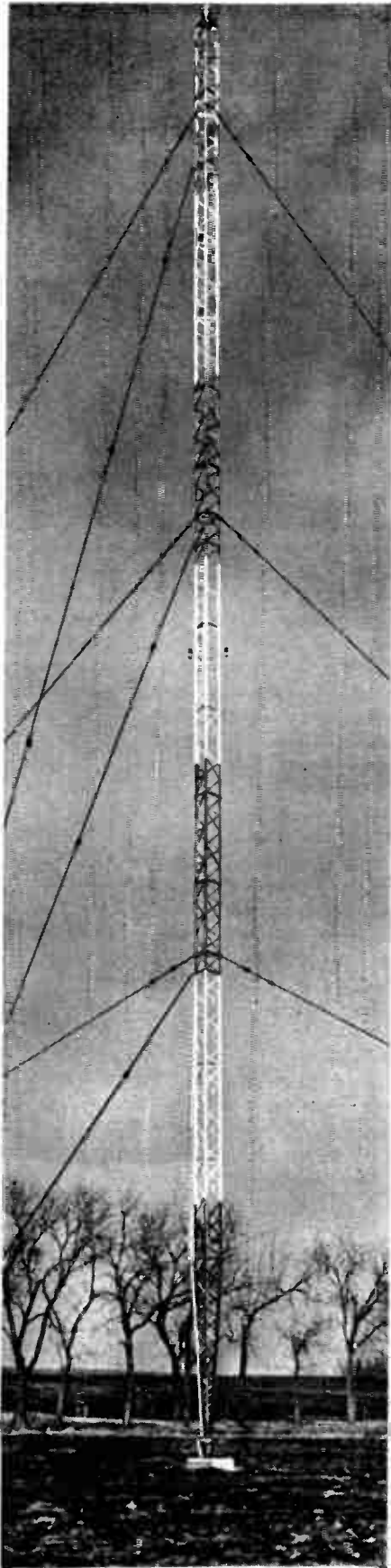
**OPERATING TEMPERATURE RANGE:** The units will perform as indicated in the tables at any temperature from -55° C to +105° C.

**FREQUENCY RESPONSE:** At its rated power level, the response of any of these transformers will be down no more than 2 db at the frequency limits listed in the table. At lower power levels, the 2 db pass band is slightly wider.

**DISTORTION:** At its rated power level, each unit will operate within its specified frequency spectrum with a maximum of 5% distortion.

**ENVIRONMENTAL** 58- and 65-series units will meet the applicable environmental specifications of MIL-T-27A, Class R, Grade 5.

**LAKE ENGINEERING CO. LIMITED**  
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**Designed - Supplied - Erected**

*by*

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- insure maximum signal strength in any broadcast pattern.
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*We invite your engineering enquiries.*

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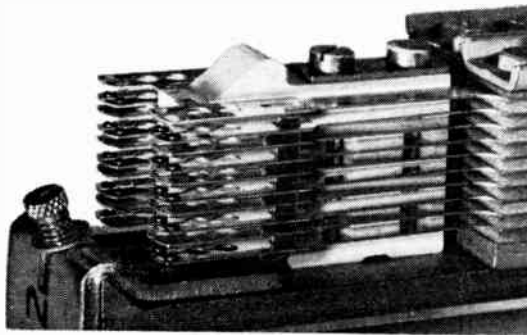
42 CROCKFORD BLVD.  
TORONTO • CANADA

# TELEPHONE SWITCHING APPARATUS for INDUSTRY

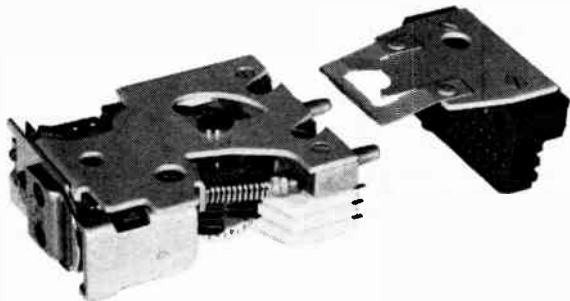
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- Relays designed for all switching needs.
- Winding facilities and piece parts held in Winnipeg.



*Above:*  
Long Life "Comb"  
Relay



*Left:*  
Miniature Unselector.  
Plugs in to single  
relay space.

*Ask for Publication 538*

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Capacitors  
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Dials  
Terminal Strips  
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# Wear-Free, Maintenance-Free Products by CONTROL

## PROPORTIONING REACTORS

CONTROL manufactures complete lines of 240-volt and 120-volt standard proportioning reactors which are ideal for regulation. These versatile control devices have a variety of uses—including motor and generator control, switchgear, conveyors, trolleys and battery charging.

Each family of eleven units is rated from 60 VA to 2 KVA. They are extremely sensitive (2.25 ampere-turns will swing the smallest unit from full on to off, while only 4.25 ampere-

turns control the largest). All have high gain, and a minimum 40:1 ratio between maximum and minimum outputs. CONTROL proportioning reactors require no maintenance, and under normal operation never wear out.

Dimensionally, the smallest of these units is 5.50-in. by 4.62-in. The largest is 9.50-in. by 10.12-in. They range in weight from 8 to 85 lbs. All units are furnished with flanges for mounting.

For Full Details: Write for Catalog R-10

## SWITCHING REACTORS

CONTROL'S line of standard power switching reactors introduces a new and simple approach to static control. Four models operate from standard 120-volt a-c supply and deliver slightly below line voltage. The other four models operate from slightly above standard line voltage and deliver standard line voltage without special power supplies and other supplemental equipment. Basic logic operations can be performed through simple external connections to multiple control windings. Control inputs to these windings are possible through limit switches or from other switching unit outputs.

The four basic ranges of 15VA, 75VA, 150VA and 300VA cover the range of solenoid valves, magnetic clutches, motor

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Since these are power switching devices, additional loads and drains for logic intelligence present no loading problem. Through easy circuit arrangements, either a-c or d-c loads may be handled. High inrush currents on a-c loads are handled easily at cycling rates up to several operations per second.

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Dimensionally, these units range in size from 3.750-in. by 2.562-in. by 3.500-in. to 5.375-in. by 4.562-in. by 5.875-in.

For Full Details: Write for Catalog S-10

## PREAMPLIFIERS

CONTROL'S standard preamplifier builds a very small signal into one which is usable by Proportioning Reactors and Switching Reactors. Such signals are derived from photoelectric tubes, small tachometer generators, and thickness gauges. This small unit, 5.25-in. by 4.125-in. by 3.062-in., requires only 32 volts RMS supply,  $\pm 10\%$ , 60-cycle single

phase. Its output is 3 volt-amperes and its amplification is approximately 75 volts/ampere-turn. The preamplifier's figure of merit\* is 1500 and it has 5 control windings. CONTROL preamplifiers require no maintenance and under normal operation never wear out.

\*Power Gain  
Response Time (Cycles)

Write for Full Details

## TRANSDUCTORS

The CONTROL transductor consists of two Orthonol® cores wound in series opposition. It is electrically isolated from the current carrying conductor, and gives an output directly proportional to the bus current. In effect, it is a "d-c transformer."

It may be used for straight metering or recording to within  $\pm 1\%$  accuracy. Since it has a usable power output, it is ideal for such applications as overload relaying or controlling a feedback signal to a magnetic amplifier. It can also be used with other transducers in a summation system.

Variations in supply voltage and load resistance will not affect the load current. No calibrated leads are required. For a-c metering, an RMS-type meter is suggested for maximum accuracy; for d-c metering, a bridge rectifier is required, but no filtering is necessary. The standard line consists of nine units ranging from 200-amperes to 10,000-amperes. The meter reduction extends from 50 milliamperes in the smallest to 2 amperes in the largest. CONTROL transducers require no maintenance and under normal operation never wear out.

For Full Details: Write for Catalog T-10

FOR COMPLETE INFORMATION ON THE  
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A DIVISION OF MAGNETICS, INC.

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## HIGH FREQUENCY NPN SILICON DIFFUSED-BASE TRANSISTORS

**30mc  
PULSE RATE  
SWITCHES**

| Type Number | hfe       | Typical Power Gain  | Typical Switching Times (Saturated Test Circuits) |
|-------------|-----------|---------------------|---|
| 2N1199      | 12-60(DC) |                     | tr 35 mμ sec<br>ts 10 mμ sec<br>tf 25 mμ sec      |
| 2N1267      | 6-18      |                     |   |
| 2N1268      | 11-36     | 25 db<br>at 4.3 mc  |   |
| 2N1269      | 28-90     |                     |   |
| 2N1270      | 6-18      |                     |   |
| 2N1271      | 11-36     | 25 db<br>at 12.5 mc |   |
| 2N1272      | 28-90     |                     |   |

Maximum Vcb—20 V  
Maximum temperature—150° C  
Maximum dissipation—100 MW

**60mc  
AMPLIFIERS**

### 2N1199

This high speed switch has exceptionally low saturation voltage (typically 0.125 V), permitting practical design of 5 mc pulse circuits, using conventional saturated switching configurations. 30 mc pulse rates are obtainable in practical circuits using non-saturating techniques.

### 2N1267-68-69

The high gain characteristics of these units make possible the design of high efficiency IF amplifier circuits for communications equipment. These devices have unusually low collector capacitance . . . typically 1.5 μμf . . . and are available with restricted beta ranges to simplify design problems.

### 2N1270-71-72

The excellent high frequency response of these transistors makes practical the design of high performance communications systems at frequencies up to 60 mc. They have the same low collector capacitance and are available with restricted beta ranges.

\*SADT . . . Trademark Philco Corp. for Surface Alloy Diffused-base Transistor

Philco Corporation of Canada,  
Don Mills, Ontario

Please send complete information on the SADT type transistors and descriptive brochure of all type transistors available.

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

59-12 EC



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industrial division

PHILCO CORPORATION OF CANADA LIMITED, DON MILLS, ONTARIO

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# HEATHKIT

## PRECISION TEST INSTRUMENTS!

### HEATHKIT SQ-1



**SQUARE  
WAVE  
GENERATOR**

**\$36<sup>95</sup>**

The model SQ-1 features wide frequency range, good square wave output and high output voltage at low impedance. Output frequency is variable from 10 cps to 100 kc in four ranges, and the output voltage level is variable from 0 to 20 volts at low impedance. Cathode follower output is used for isolation. Front panel provision is made for injecting a synchronizing signal to "lock" the square wave generator to a particular test frequency. This square wave generator has many applications in circuit development work and offers advantages not normally expected from instruments in this price range. Many applications will present themselves in radio and TV service work as well as in audio engineering.

### HEATHKIT FMO-1 FM TEST OSCILLATOR

**\$43<sup>95</sup>**



This latest development from the Heath Company test instrument labs is in keeping with the tradition of bringing you the newest, the finest in high performance test equipment at the lowest possible cost. The FMO-1 FM Test Oscillator is an instrument that is unique in the test equipment field . . . being the only one of its type designed strictly for fast, easy alignment and trouble-shooting of frequency modulation tuners and receivers.

The model FMO-1 in one compact, easy-to-use instrument provides all the test signals and sweep frequencies required for accurate alignment and troubleshooting of RF, IF, and detector sections of FM tuners and receivers.



**HEATHKIT RF-1  
RF SIGNAL  
GENERATOR**

**\$39<sup>95</sup>**

The RF-1 provides extended frequency coverage in six bands from 100 kc to 110 mc on fundamentals, and up to 220 mc on calibrated harmonics of the fundamental frequencies. Frequency is indicated on three large easy-to-read scales.

A built-in 400 cycle audio generator with 10 volt output provides a convenient source of a 400 cycle audio signal, which may be used also to internally modulate the RF portion of the generator. The generator may be externally modulated at other frequencies through the special input jack provided.

Modulated or unmodulated RF output of at least 100,000 microvolts is available. This output is controlled by the continuously variable attenuator and the fixed step-attenuator.

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# ROGERS

## REFERENCE BULLETIN NO. 4

### EC157 Disk Sealed Triode guaranteed for 6000 hours

The EC157 triode serves as an amplifier tube in beam transmitter relay stations for the transmission of TV and telephony link broadband signals at 4000 mc/s. Station breakdowns in microwave communications are costly in time and money. The EC157, with a *guaranteed life of 6000 hours*, assures against early breakdowns, saves time and money. Its longer life means a more reasonable operating cost — *not more than 2.3¢ per hour of service*.

The EC157 triodes offer many desirable features — peak performance, dependable service and outstanding uniformity from tube to tube.

#### TECHNICAL DATA

|                         |   |
|-------------------------|---|
| HEATER                  | $V_h = 6.3 \text{ V}$<br>$I_h = 0.73 \text{ A}$ |
| TYPICAL CHARACTERISTICS |   |
| Anode voltage           | $V_a = 180$ — — 180 V                           |
| Anode current           | $I_a = 30$ — — 60 mA                            |
| Grid voltage            | $V_g = -2.8$ — $-4.0$ — $-1.8$ — $-1.6$ V       |
| Mutual conductance      | $S = 17$ 13.5 — 19 mA/V                         |
| Amplification factor    | $\mu = 43$ 33 52 43                             |

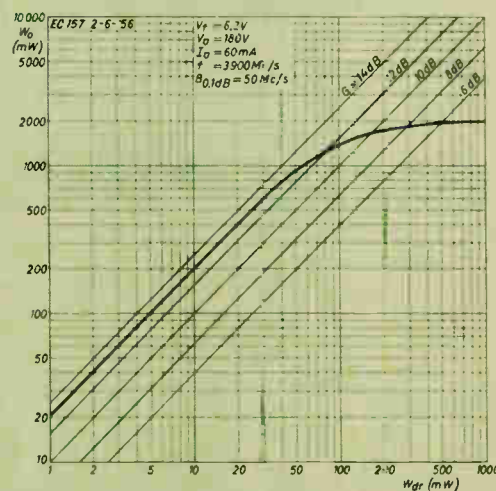
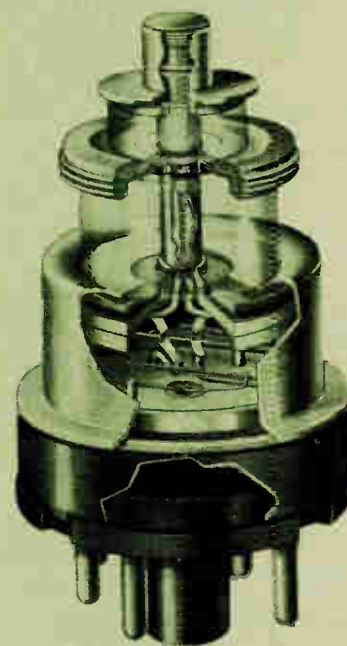
#### OPERATING CONDITIONS

##### AS GROUNDED GRID AMPLIFIER AT 4000 Mc/s

|  |   |
|--|---|
| Anode supply voltage   | $V_{ba} = 200 \text{ V}$                    |
| Grid supply voltage  | $V_{bg} = +20 \text{ V}$                    |
| Cathode bias resistor  | $R_k = \text{max. } 500 \Omega$             |
| Anode current  | $I_a = 60 \text{ mA}$                       |
| Bandwidth (0.1 dB down)                                      | $B = 50 \text{ Mc/s}$                       |
| Output power at 8 dB power gain<br>( $V_f = 6.3 \text{ V}$ ) | $W_o = 1.8 \text{ W (min. } 1.5 \text{ W)}$ |

#### MAXIMUM RATINGS (absolute maxima)

|   |                                    |
|---|------------------------------------|
| Anode voltage at zero anode current               | $V_{ao} = 500 \text{ V}$           |
| Anode voltage                                     | $V_a = 300 \text{ V}$              |
| Anode dissipation                                 | $W_a = 10 \text{ W}$               |
| Cathode current                                   | $I_k = 70 \text{ mA}$              |
| Grid current                                      | $I_g = 10 \text{ mA}$              |
| Driving power (grounded grid)                     | $W_{dr} = 1 \text{ W}$             |
| Direct grid voltage (positive)                    | $V_d = 0 \text{ V}$                |
| Direct grid voltage (negative)                    | $V_g = -50 \text{ V}$              |
| Heater to cathode voltage                         | $V_{hf} = 50 \text{ V}$            |
| External resistance between<br>cathode and heater | $R_{hf} = 20 \text{ k}\Omega$      |
| External resistance between grid<br>and cathode   | $R_{gk} = 25 \text{ k}\Omega$      |
| Anode seal temperature                            | $t_a = 150 \text{ }^\circ\text{C}$ |
| Grid seal temperature                             | $t_g = 75 \text{ }^\circ\text{C}$  |
| Cathode seal temperature                          | $t_k = 75 \text{ }^\circ\text{C}$  |



Output power ( $W_o$ ) of the EC157 as a function of the driving power ( $W_{dr}$ ) with lines of constant power gain ( $G$ ); ( $f = 3900 \text{ Mc/s}$ ,  $B_{0.1 \text{ dB}} = 50 \text{ Mc/s}$ ,  $V_a = 180 \text{ V}$ ,  $I_a = 60 \text{ mA}$ ).

This reference sheet is one of a series from Rogers to keep you fully informed of electronic developments. A specially designed file folder for these bulletins is available from Rogers on request.

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electronic tubes & components

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# The Wide Wide World of General Electric Rectifiers

## GERMANIUM LOW CURRENT



Series: 1N91-93 1N151-153, 1N158, 1N315 1N368

Series 1N91-93, 1N93—Alloyed-junction types combining very low forward resistance with high back resistance to give almost 100% efficiency. 1N151-153, 1N158—Single- and two-fin versions of 1N91-93 series cells. 1N315—Designed for high operating temp. (to 85°C.) and low reverse current. 1N368—Features a very low reverse current at a high d-c reverse voltage. For magnetic-amplifier applications.

## SILICON LOW CURRENT



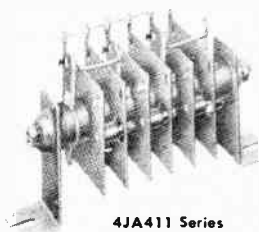
Series: 1N536-540, 1N547, 1N560-561, 1N1095-1096, 1N440(B)-445(B), 1N1100-1103, 1N1487-1492, 1N599(A)-606(A), 1N1692-1695.

Series: 1N536-540, 1N547, 1N1095-96—Provide maximum forward conductance at high operating temperatures (165°C.). 1N440-445, 1N440B-445B—Similar to 1N536-540 series, but with extremely low reverse current. Ideal for magnetic-amplifier applications. 1N1100-1103—Similar to 1N440B-445B series. 1N1487-1492—Essentially the same as 1N536-540 series, except provides lower-cost units for lower-temperature requirements (140°C.). 1N599-606, 1N599A-606A—Similar to 1N536-540 and 1N440B-445B series, respectively, except for somewhat lower forward-current ratings. 1N1692-1695—Provides lower current and temperature operation (115°C.) than any of above series—very economical.

Series:  
1N1115-1120,  
1N253-256,  
1N550-555,  
1N332-349,  
1N607(A)-614(A),  
1N562-563



Series: 1N1115-1120—Available for stud mounting direct to chassis, or finned. Similar, in characteristics, to 1N536-540 lead-mounted series. Provide maximum forward conductance at high operating temperatures. 1N253-256—High power-handling ability. Primarily for power supply and magnetic-amplifier applications. Type 1N256 meets JAN spec. 1N550-555—Similar to 1N440B series, except for stud mounting. Extremely low reverse current, particularly suited for magnetic-amplifier applications. 1N332-349—Industry-popular series. For applications requiring high reliability at moderate currents operating up to 170°C. 1N607-614, 1N607A-614A—Another widely-used industrial line. Ideal for applications requiring high currents at up to 150°C.



4JA411 Series

4JA411 Stacks: Combine high temperature operation (up to 150°C.) with increased ratings (up to 18 amps d-c). Hundreds of stack combinations to meet a variety of circuit conditions. High efficiency plus excellent regulation.

## GERMANIUM MEDIUM CURRENT

Single-fin Mounting

4JA3011 Series



4JA3011 Series: For general-purpose power supplies, control devices, blocking circuits, and many other applications. Extremely low power dissipation and forward voltage drop provide excellent regulation and efficiency. Available in stacks up to 12 fins, providing ratings in thousands of watts, depending upon the circuit design, with operation to 85°C. Also, available in single-fin mounting. Transient PIV's up to 600 volts per cell.

## SILICON MEDIUM CURRENT

Series: 1N2154-2160



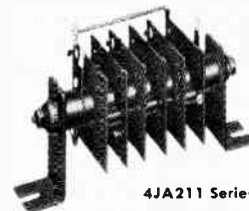
1N2154-2160 Series: First series of silicon medium current rectifiers to be made free from thermal fatigue. Designed for individual cell applications in the 2-to-25 amp range. High junction-temperature ratings. Extremely low forward voltage drop and thermal impedance. May be mounted directly, or electrically insulated from heat sink with mica-washer mounting kit provided with each unit.



4JA3611 Series.

4JA3611 Stacks: Provide a wide-range of power applications with d-c outputs up to 65 amps.

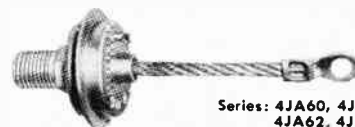
## GERMANIUM STACKS



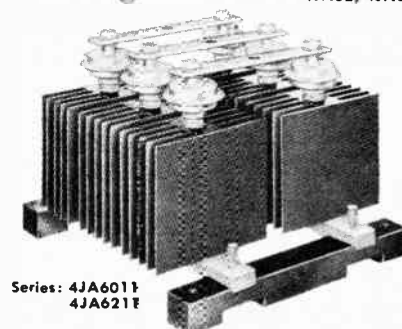
4JA211 Series.

4JA211 Stacks: The industry's most widely-used semiconductor rectifier series. Hundreds of thousands in use. May be arranged in stacks up to 12 fins to produce more than 160 various circuit configurations. Small, lightweight, excellent regulation.

## SILICON HIGH CURRENT



Series: 4JA60, 4JA61, 4JA62, 4JA63



Series: 4JA6011, 4JA6211

4JA60, 4JA61, 4JA62, 4JA63 Series: Large-area junction stud-mounted rectifiers. Operating temperatures to 200°C. D-c outputs as high as 85 amps per rectifying element. Lower-cost 4JA62, 4JA63 units are for applications which do not require the full-current ratings of 4JA60 line. Reverse polarities provided in 4JA61 and 4JA63 units. 4JA6011, 4JA6211 Stacks: Hundreds of combinations available in various circuit configurations. D-c outputs up to 573 amps. The 4JA6211 series for lower-current, lower-cost operation.

## SILICON CONTROLLED RECTIFIER

### CONTROLLED RECTIFIER RATING CHART

| G-E Type No. | PIV* and V <sub>80</sub> | Max. I <sub>DC</sub> at Temp. °C. | Max. Temp. °C. |         | Max. Reg'd Gate Signal |
|--------------|--------------------------|-----------------------------------|----------------|---------|------------------------|
|              |                          |                                   | Oper.          | Storage |                        |
| C35U         | 25                       | Up to 16A at 87°C. stud           | 125            | 150     | 3V, 40ma at 25°C.      |
| C35F         | 50                       | Up to 16A at 87°C. stud           | 125            | 150     | 3V, 40ma at 25°C.      |
| C35A         | 100                      | Up to 16A at 87°C. stud           | 125            | 150     | 3V, 40ma at 25°C.      |
| C35G         | 150                      | Up to 16A at 87°C. stud           | 125            | 150     | 3V, 40ma at 25°C.      |
| C35B         | 200                      | Up to 16A at 87°C. stud           | 125            | 150     | 3V, 40ma at 25°C.      |
| C35H         | 250                      | Up to 16A at 87°C. stud           | 125            | 150     | 3V, 40ma at 25°C.      |
| C35C         | 300                      | Up to 16A at 87°C. stud           | 125            | 150     | 3V, 40ma at 25°C.      |
| C35D         | 400                      | Up to 16A at 87°C. stud           | 125            | 150     | 3V, 40ma at 25°C.      |

\*Max. PIV and Min. V<sub>80</sub>.

C35 Series: Revolutionary silicon control device introduced by General Electric. Can do jobs of thyratrons, ignitrons, magnetic amplifiers, power transistors, relays, switches, contactors, circuit breakers, in many power-control and power-switching applications. Medium-current C35 series provides blocking voltages to 400V and load currents to 16 amperes. Low-temperature, lower-cost C36 series also available. Provides blocking voltages to 400V and load currents to 10 amperes. High-current, developmental-type ZJ50 series is now available on a prototype-sample basis.

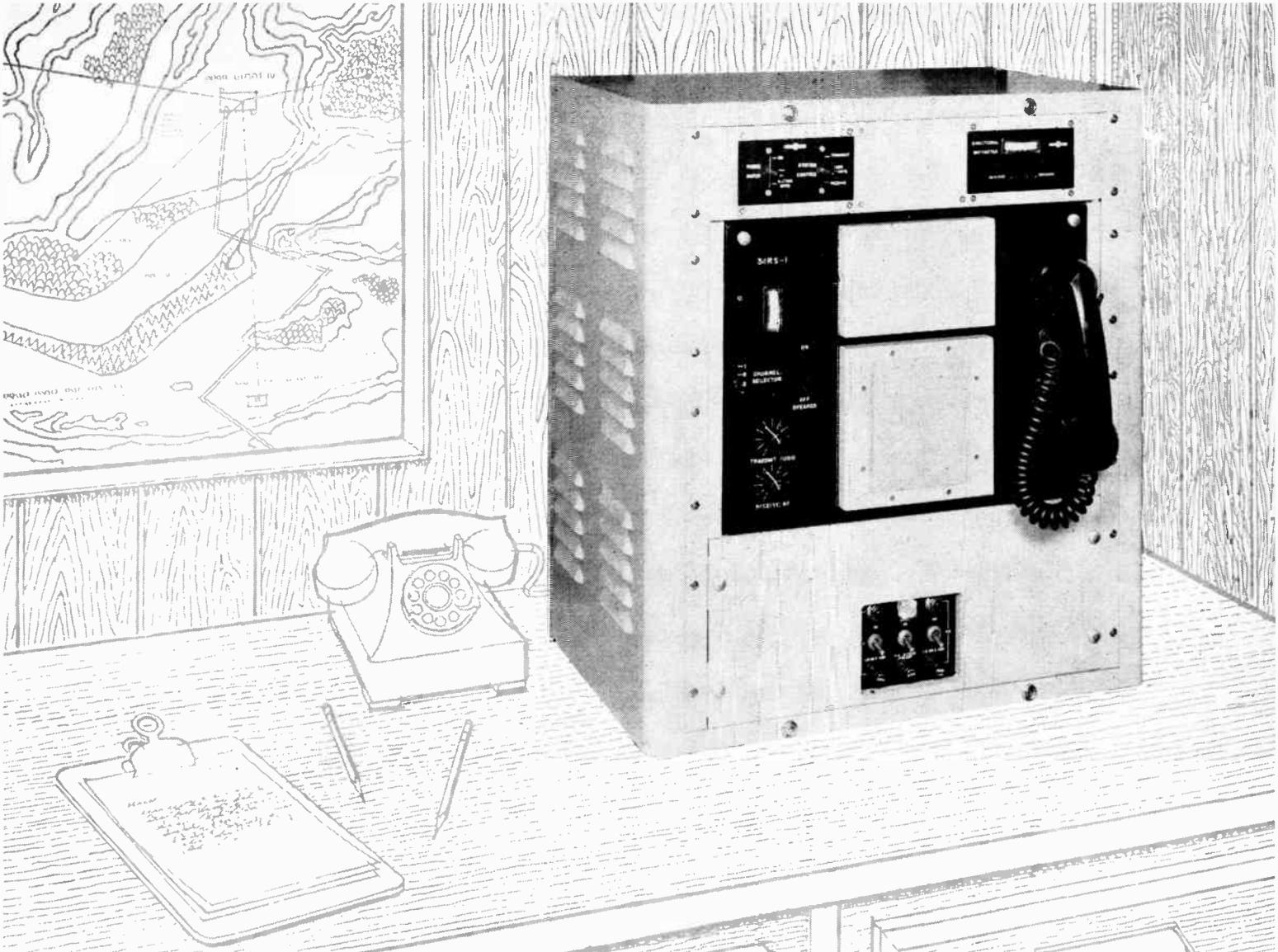
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## SEMICONDUCTOR RECTIFIERS

1743-459

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improved communication  
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The compact Collins 32RS-1 offers: the full advantages of Single Sideband: more talking power, less bandwidth, and immunity to selective fading. True simplification for even non-technical operators has been achieved by design excellence, not compromise. Highly stable circuits assure "on frequency" operation without an additional manual adjustment control. Simplified, improved design gives long, reliable service.

The 32RS-1 can provide up to 4 crystal-controlled frequencies in the 1.6 to 15 mc range, selected by a flick of a selector switch. In transmission it provides 100 watts peak envelope power output—Single Sideband "talking power" 3 db higher under normal

conditions, 9 db higher under severe fading, than that of AM equipment with equivalent rating. A balanced modulator and Mechanical Filter sideband generator, multiple tuned circuits and linear amplifier assure a clean signal in transmission, while automatic load control maintains a high level of "talking power" by compensating for changes in voice level. In reception the Mechanical Filter provides excellent selectivity for the desired signal and rejection of off-channel interference.

The 32RS-1 is also suitable for use in mixed AM SSB systems, since compatible AM operation (reinserted carrier) is available at the flick of a switch.

A special feature of the 32RS-1 is VOX control, with the transmitter actuated by the voice of the person speaking over the circuit. This makes it possible to operate the transceiver through telephone extensions or switchboards without extra push-to-talk switches.

The 32RS-1 also simplifies the maintenance technician's task, with components and maintenance adjustment controls readily accessible, and test meter and transmitter alignment generator built-in.

Contact your nearest Collins distributor or write for literature on the 32RS-1 and complete station accessories — antennas, antenna couplers, directional wattmeters, phone patches and remote control equipment.



COLLINS RADIO COMPANY OF CANADA, LTD., TORONTO 16, ONTARIO



Patent Applied For

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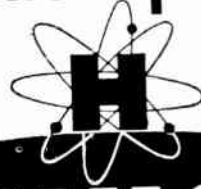
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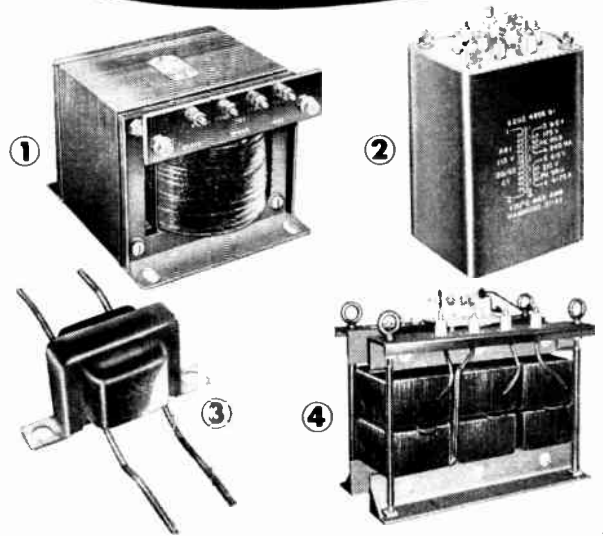
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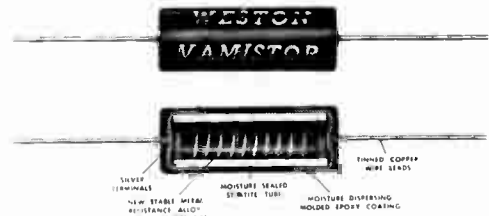
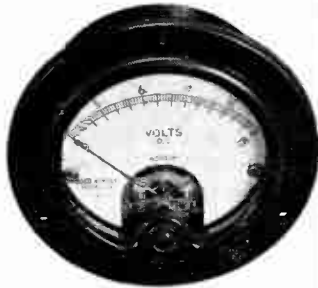
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Weston D.C. and rectifier type A.C. panel meters provide increased scale readability and higher accuracies with improved sensitivities and ballistic characteristics. All movements embody Weston springbacked jewels, and are magnetically self-shielded for use on magnetic or non-magnetic panels.

For literature on a complete range of panel and switchboard indicating instruments, including military types, write Dept. DL-01.



## WESTON VAMISTORS

In critical applications, the Weston Vamistor offers many advantages over wire-wound or conventional film resistors. These high stability metal film resistors are available in values up to 10 megohms initial accuracies to  $\frac{1}{4}$  of 1% and temperature coefficient of 25 ppm. For literature write Dept. DL-04.



## ELECTRONIC TEST EQUIPMENT

(Mark II Analyzer illustrated) Newly increased ruggedness and compactness distinguish this highly sensitive Volt-Ohm-Milliammeter. With high-voltage range extended to 4000 volts, it offers D.C. sensitivity of 20,000 ohms/volt . . . accuracy within  $\pm 2\%$ .

For literature on a full range of Milliammeters, Tube Checkers, Vacuum Tube Voltmeters, etc., write Dept. DL-07.

## PORTABLE INSTRUMENTS

(Model 622 illustrated)

Model 622 is a highly sensitive portable instrument which is especially adapted to a variety of laboratory requirements. It has great flexibility of use since it can be provided with a range changing switch and up to four binding posts.

Weston portable and laboratory ammeters, voltmeters and wattmeters are available in accuracy ratings from 1/10 of 1% through to 1%. For literature, write Dept. DL-06.



## TRIMMING POTENTIOMETERS

(300 Series shown actual size)

The Series 300 Subminiature Trimming Potentiometers are the smallest standard trimming pots available. The exclusive square shape is optimum for the vast majority of applications of subminiature trimming potentiometers.

Uniquely designed Weston trimming potentiometers are available in many sizes and configurations. For literature, write Dept. DP-01.

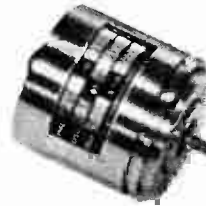


## COMPONENTS

(Type 6 Servo Motor illustrated)

One of the smallest precision servo motor series currently available. The new Daystrom Transcoil Type 6 Motors are wound for 26, 33 and 52 volt operation with transistor drive. These motors develop .125 oz-in. min. stall torque and 6200 RPM free speed.

Daystrom Transcoil motors, syncros and generators are available in all sizes up to 18. For literature, write Dept. DT-01.



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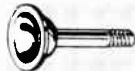
#862 Offset slotted:  $\frac{1}{8}$ " dia. Straightens leads and tabs on miniature assemblies. Special loop for lifting small wires bent close to board.

#857 Straight slotted: Straightens tube tabs, melts and tip removes excess solder. (Solder runs into slot)  $1" \times \frac{3}{16}"$  slot opening .040.



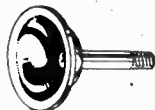
#863 Cube tip: Removes center pins of tube sockets and harness leads.

#856  $\frac{3}{8}"$  Cup tip: Simultaneously melts solder on  $\frac{3}{8}"$  dia. components such as tube sockets and I-F can leads.



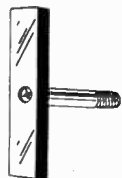
#855  $\frac{3}{4}"$  Cup tip: Simultaneously melts solder on all  $\frac{3}{4}"$  dia. components, such as octal and 7 pin tube sockets.

#854 1" Cup tip: Simultaneously melts solder on all 1" dia. components, such as 8 and 9 pin tube sockets.



#861 Triangle tip: Melts solder simultaneously from all electrolytic capacitor leads arranged in a triangular pattern. In one operation melts solder on multiple in-line terminal leads  $\frac{3}{8}"$  apart.

#858 Bar Tip:  $1\frac{1}{2}" \times \frac{3}{8}"$  Simultaneously melts solder on all multiple straight line network components.



INTERCHANGEABLE  
WITH *Ungar*  
SOLDERING TIPS



YOUR UNGAR DEALER CARRIES  
A COMPLETE RANGE OF  
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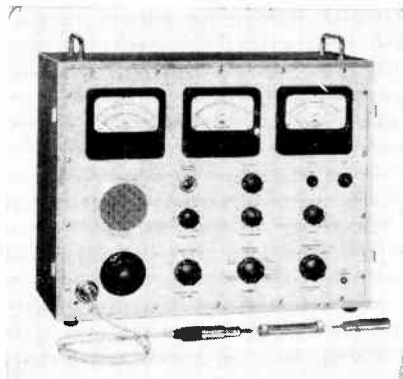
MEASURE UP TO 230 MEGACYCLES  
WITH 15 MICROVOLT SENSITIVITY

For selective voltage measurement in the R.F. range, the Bruel & Kjaer Heterodyne Voltmeter Model 2005 and Converter 2004 provide:

- Frequency range 20 Kc — 232 Mc.
- Voltage range 15 Microvolts to 15 volts F.S.D.
- Voltage-reading modulation meter.
- Built-in reference voltage for calibration.
- Built-in Loudspeaker for audible control.



Model 2004 range 20 Kc — 30 Mc.



Model 2005 range — 30 Mc — 232 Mc.

Use for selective measurements on radio receivers and transmitters, radar and TV circuits and for control of signal generators and carrier systems.

The high sensitivity permits such measurements as gain of antennas, R.F. distortion by harmonic analysis, unwanted radiation levels and gain of TV distribution systems.

Model 2005 Voltmeter **\$795.00**

Model 2004 Converter **\$300.00**

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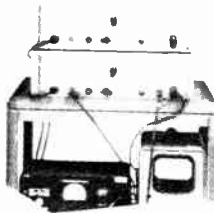
*Lenkurt*

## TRANSISTORIZED INVERTER 5018A

Converts 24 or 48 volts dc to a 115-volt square wave, electrically. Provides output frequency for resistive loads of 47 to 63 cps. Max input power is 216 VA, output 200 VA.

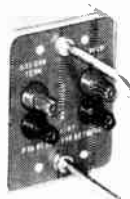


## NOISE LOADING TEST SETS 5203A and 5204A



Used with a noise generator and VTVM to measure intermodulation distortion and idle channel noise in broadband radio systems. Both sets are portable with built-in ac power.

## FIA WEIGHTING NETWORK 601A



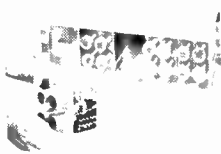
Adapts any VTVM into a noise measuring set. Provides insertion gain of 10 db, measures noise as low as 10 dba on a -7 dbm drop level voice circuit.

## AUTOMATIC GAIN-ADJUSTING AMPLIFIER

Maintains constant voice levels over 40 db input level range, on any voice circuit. Input range can be manually attenuated by 20 db in 4 db increments. Fully transistorized. Operates on 48v.



## 4-WIRE TERMINATING UNIT 5195A



Adjusts shunt capacitance from 0 to .093 mfd in .003 mfd increments, and resistance from 900 to 963 ohms in 9-ohm increments. May be connected to external precision balancing networks.

## PORTABLE SERVICE SHELF 690A - 82518

For use on 19" relay racks. Provides 17" x 19" working space. Aluminum with 1/8" phenolic surface. Flanged edges and welded corners assure rigidity and strength.



Lenkurt microwave and carrier equipment has an unrivalled reputation. The same engineering skill and craftsmanship go into all the company's products. When you want quality, reliable accessories, specify Lenkurt by name. Lenkurt equipment is distributed in Canada by Automatic Electric Sales (Canada) Limited.

# AUTOMATIC ELECTRIC



Subsidiary of  
GENERAL TELEPHONE & ELECTRONICS

# See how much from

The surest way to increase your revenues is to bring your equipment up to date. And the easiest way of getting the job done fast and without the usual headaches, is to hand it to Automatic Electric, and let *them* handle it.

1

Automatic Electric will examine your present facilities, and make a comprehensive study of your immediate *and* long-term needs. They will plan layouts and recommend equipment to match the *actual* situation—*and* your budget. This gives you a chance to modernize at lower cost, to provide greatly improved service for your subscribers and to earn substantial additional revenues.



3

The next step is the actual manufacture of the equipment. Every item is precision made, and exactly mated with all the related parts. Quality control is maintained at every stage, right through to final testing, so every piece of equipment will give a lifetime of reliable service.

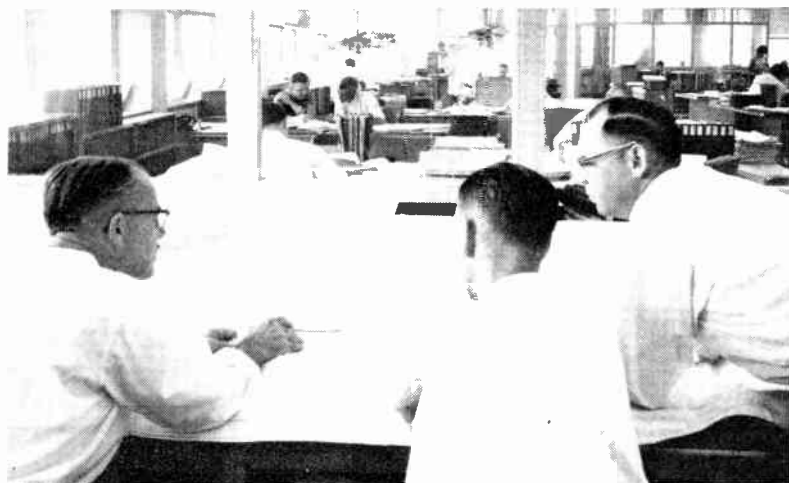


5

And finally, Automatic Electric train your staff! You send your selected personnel to our training school at Brockville, Ontario and we return them to you with all the skills required . . . to operate and maintain the equipment, and to carry out the few minor replacements that may occasionally be needed.



# more you get **AUTOMATIC ELECTRIC**



2

Automatic Electric will prepare a central office floor plan, and custom design the necessary mountings and framework. They will provide complete instructions and drawings for the various manufacturing departments... plus detailed specifications and instructions for the engineers who carry out the installations.

4

Automatic Electric handle the entire installation too — with a careful eye on easy maintenance, and future expansion requirements. Switching components are positioned to permit visual tracing of circuits, and frames are arranged so additional switches can be quickly and easily inserted.



Automatic Electric supply *quality* equipment, designed to meet North American standards... built and installed to meet *your* exact needs. You get *much* more from Automatic Electric.

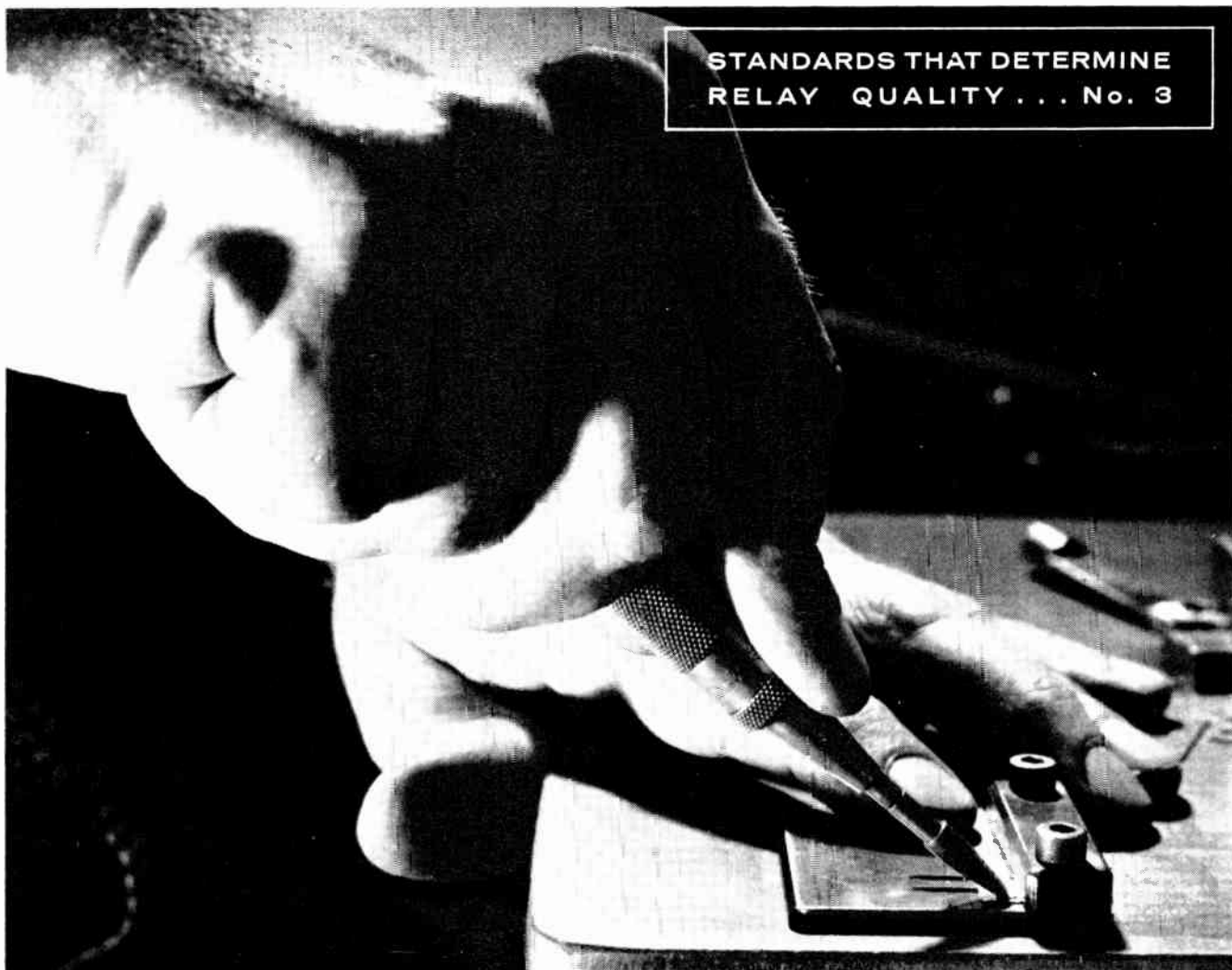
Call or write Automatic Electric Sales (Canada) Limited for complete information.

## **AUTOMATIC ELECTRIC**



Subsidiary of  
**GENERAL TELEPHONE & ELECTRONICS**

STANDARDS THAT DETERMINE  
RELAY QUALITY . . . No. 3



Contact points able to survive this brutal sheer test stay on forever.

## contact points that stay on for keeps

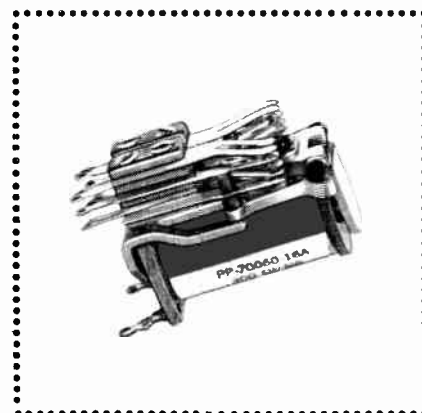
### Superior attachment technique guards against insecure welds

When you find a relay that sheds its contacts, you usually have a relay that's suffering from "cold welds". This means that when the contact spring was made, the contact and spring did not really weld together. When this happens, the contact is likely to fall off at any time.

Automatic Electric prevents this from happening by making contacts from a continuous length of precious metal wire. In one combined operation we weld the end

of this wire to the spring blank (using accurate control of time and voltage), pinch it off so as to provide exactly the right amount of material for the contact, and finally form it into a dome of the contact metal. Result: A contact with a polished surface, welded to the spring for the life of the relay. This is one more reason why Automatic Electric relays have set performance records of over 400 million operations without a failure!

This superior method is typical of the painstaking care that goes into every Automatic Electric relay.



**Class E Relays are miniaturized to save space and weight.** Write today for information. Address: Automatic Electric Sales (Canada) Limited, 185 Bartley Drive, Toronto 16, Ontario. Branches across Canada.

# AUTOMATIC ELECTRIC

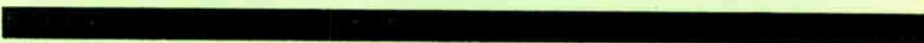


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**1960  
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for  
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|---------------|--|----------|
| <i>Part 1</i> | Canadian Manufacturers Suppliers<br>and Principals . . . . .           | Page 62  |
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For more complete information on addresses of principals in the United States and the United Kingdom, turn to sections beginning page 78 and 96 respectively.

## Part 1

# Canadian Manufacturers Suppliers and Principals

### A

- A M F Atomic (Canada) Ltd.**, Cobourg Rd., Port Hope, Ont.
- Abbey Electronics Ltd.**, 555 Wilson Ave., Downsview, Ont. Representing:  
Tung-Sol Electric Inc., Newark, N.J.
- Abercorn Aero Ltd.**, 7435 Chester Ave., Montreal 29, Que., Rep.: Penn Keystone Corp., Derby, Conn.  
W. S. Shamban & Co., Culver City, Calif.
- Acme Electric Corporation Ltd.**, 50 Northline Rd., Toronto 16, Ont. Representing:  
Acme Electric Corp., Cuba, N.Y.  
Kato Engineering Co., Mankato, Minn.  
Katolight Corp., Mankato, Minn.
- Active Radio & TV Ltd.**, 58 Spadina Ave., Toronto 2B, Ont. Representing:  
Audio Empire, Garden City, L.I., N.Y.  
Centronix Inc., Miami, Fla.  
Chemtronics Inc., Brooklyn 25, N.Y.  
Columbia Wire & Supply Co., Chicago, Ill.  
Crosby Electronics Inc., Syosset, N.Y.  
Fanon Electric Co., Brooklyn 8, N.Y.  
Hamilton Hall Inc., Milwaukee, Wis.  
I. H. Mfg. Co. Inc., New York 12, N.Y.  
Illinois Condenser Co., Chicago 22, Ill.  
Kirsch Music Corp., New York, N.Y.  
Koss, Inc., Milwaukee, Wis.  
The Nartronics Co. Inc., Minneapolis, Minn.  
Oaktron Industries Inc., Monroe, Wis.  
Parkway Specialties Co., Detroit, Mich.  
Quality Electronics, New York 13, N.Y.  
Rogers Electronics, New York, N.Y.  
Semi-Elements, Inc., Saxonburg, Fla.  
Service Instruments Co., Addison, Ill.  
Waldom Electronics, Chicago 32, Ill.
- Adams Engineering Ltd.**, 1500 St. Catherine St. W., Montreal, Que. Representing:  
Acme Electric Corp. Ltd., Toronto, Ont.  
Allied Control Co., New York, N.Y.  
Daven Co., Livingston, N.J.  
Electronic Tube Corp., Philadelphia, Pa.  
Hunt Capacitors Ltd., London, England.  
Mechanical Products Inc., Jackson, Mich.  
Transitron Electronic Corp., Wakefield, Mass.
- Adcola Products Ltd.**, 37 McManus Rd., Box 103, Weston, Ont. Rep.: Adcola Products Ltd., London, England.
- Addison Industries Ltd.**, 9 Hanna Ave., Toronto, Ont.
- Aditone of Canada Reg'd**, Sutton, Que. Representing:  
A/S Danavox, Copenhagen, Denmark.
- Adlam Tool and Supply Co., Ltd.**, 1015 St. Alexander St., Quebec, Que. Representing:  
Hexacon Electric Co., Roselle Park, N.J.
- Aeromotive Engineering Products Ltd.**, 147 Hymus Blvd., Pointe Claire, Montreal 33, Que. Representing:  
American Electronics Inc., Los Angeles, Calif.  
Assembly Products Inc., Chesterland, Ohio.  
Boots Aircraft Nut Corp., Norwalk, Conn.  
Bowmar Instrument Corp., Fort Wayne, Ind.  
Central Dynamics Ltd., Pointe Claire, Que.  
Christie Electric Corp., Los Angeles, Calif.  
Clary Dynamics Corp., San Gabriel, Calif.  
Colvin Laboratories Inc., East Orange, N.J.  
Control Products Inc., Harrison, N.J.  
Irion & Vosseler, Schwenningen, Germany.  
New Hampshire Ball Bearings, Inc., Peterborough, N.H.  
Non Linear Systems Inc., Del Mar, Calif.  
Potter & Brumfield Canada Ltd., Guelph, Ont.  
Rutherford Electronics Co., Culver City, Calif.  
Unimax Switch Co., Wallingford, Conn.  
Vitramon Inc., Bridgeport, Conn.  
Westport Electric Inc., El Segundo, Calif.
- Aerovox Canada Ltd.**, 1551 Barton St. E., Hamilton, Ont. Representing:  
Aerovox Corp., New Bedford, Mass.  
Crowley Division, Aerovox Corp., West Orange, N.J.  
Hi-Q Division, Aerovox Corp., Myrtle Beach, S.C., and Olean, N.Y.
- Ahearn and Soper Co. Ltd.**, 384 Bank St., Ottawa, Ont. Rep.: Wolfgang Assmann G.m.b.H., Bad Homburg, Germany.  
Bauscher & Co. K.G., Hamburg, Germany.  
Hammarlund Manufacturing Co. Inc., New York, N.Y.  
Dr.-Ing. Rudolf Hell, Kiel, Germany.  
Richard Jahre, Berlin, Germany.  
Leonische Drahtwerke A.G., Nuernberg, Germany.  
National Union Electric Corp., Electronics Div., Bloomington, Illinois.  
G. A. Philbrick Researches, Inc., Boston, Mass.  
Quarzkemik G.m.b.H., Muenchen, Germany.  
Radio Engineering Laboratories Inc., Long Island City, N.Y.  
Rohde & Schwarz, Muenchen, Germany.
- Siemens & Halske A.G.**, Muenchen, Berlin, Karlsruhe and Braunschweig, Germany.  
Siemens-Schuckertwerke A.G., Erlangen, Berlin, Nuernberg, Bad Neustadt/Saale, Amberg, Muelheim/Ruhr, Germany.  
Specialty Engineering & Electronics Co. Ltd., Brooklyn, N.Y.  
H. W. Sullivan Ltd., London, England.  
Telefunken G.m.b.H., Berlin, Backnang, Ulm, Germany.  
United Electronics Co., Newark, N.J.
- Aircraft Appliances & Equipment Ltd.**, 585 Dixon Road (Box 177), Weston, Ont. Representing:  
Air-Marine Motors, Inc., Amityville, N.Y.  
Avtron Manufacturing Inc., Cleveland 5, Ohio.  
Filtron Co., Inc., Flushing 55, N.Y.  
The Hartman Electrical Mfg. Co., Mansfield, Ohio.  
Howard Clayton-Wright Ltd., Wellesbourne, Warwickshire, England.  
Hydraulic Research & Mfg. Co., Burbank, Calif.  
Jack & Heintz, Inc., Cleveland 1, Ohio.  
Permanent Filter Corp., Los Angeles 7, Calif.  
The Strong Electric Corp., Toledo 1, Ohio.
- Aircraft-Marine Products of Canada, Ltd.**, 194 Wilson Ave., Toronto 12, Ont. Representing:  
AMP Inc., Harrisburg, Pa.
- Air-Rite Components Co.**, 71 Dixon Rd., Weston, Ont. Rep.: Aero Gasket Corp., Meriden, Conn.  
Calco Mfg. Co., Addison, Ill.  
Electro-Mechanical Specialties Co. Inc., Banning, Calif.  
Engineering Metal Products Corp., Indianapolis, Ind.  
General Control Co., Boston, Mass.  
W. L. Gore & Associates Inc., Newark, Del.  
K. W. Johnson & Co. Inc., Dayton, Ohio.  
Lerco Electronics Inc., Burbank, Calif.  
Pacific Automation Products Inc., Glendale, Calif.  
Rogerson Aircraft Co., Los Angeles, Calif.  
Sealectric Switch & Relay Corp., Chicago, Ill.  
Vol-Shan Manufacturing Co., Culver City, Calif.
- Air Reduction Canada Ltd.**, 905 Hodge St., St. Lambert, Montreal 9, Que. Representing:  
Air Reduction Sales Co., New York, N.Y.
- Airtron Canada Ltd.**, 349 Carlaw Ave., Toronto 8, Ont. Rep.: Airtron Inc., Linden, N.J.
- Ajax Engineers Ltd.**, 260 Merton St., Toronto, Ont. Representing:  
Pioneer Industries, Inc., Sioux City, Iowa.
- Alexander & Orlick, Ltd.**, 5316 Park Ave., Montreal, Que.
- Representing:  
The Eraser Co. Inc., Syracuse 4, N.Y.  
Hamilton Watch Co., Lancaster, Pa.  
The Luma Electric Equipment Co., Toledo, Ohio.
- Allanson Armature Mfg. Co. Ltd.**, 33 Cranfield Rd., Toronto 16, Ont.
- Allen-Bradley Canada Ltd.**, 135 Dundas St., Galt, Ont. Rep.: Allen-Bradley Co., Milwaukee, Wisconsin.
- Allied Circuit Techniques Ltd.**, 1 Robinson St., Oakville, Ont.
- Allied Control Co. (Canada) Ltd.**, 1500 St. Catherine St. W., Montreal, Que. Representing:  
Allied Control Co., Inc., New York 21, N.Y.
- Allied Industrial Electronics of Canada Ltd.**, 9 Torbarrie Rd., Toronto 15, Ont.
- Alloycraft Ltd.**, 24 Hillside Ave., Westmount, Montreal 6, Que. Representing:  
Borden Chemical Co., Resinits Dept., North Andover, Mass.  
Unit Process Assemblies, Inc., New York 3, N.Y.
- Alloy Metal Sales Ltd.**, 215 Lakeshore Blvd. East, Toronto, Ont. Representing:  
Allegheny Ludlum Steel Corp., Pittsburgh, Pa.  
Aluminum Co. of America, Park Ave., New York, N.Y.  
Aluminum Co. of Canada Ltd., Montreal, Que.  
Arcos Corp., Philadelphia, Pa.  
Atlas Steels Ltd., Welland, Ont.  
Driver-Harris Co., Harrison, N.J.  
Engelhard Industries of Canada Ltd., Toronto, Ont.  
International Nickel Co. of Canada Ltd., Toronto, Ont.  
Superior Tube Co., Norristown, Pa.  
Westinghouse Electric International Co., New York, N.Y.
- All-State Welding Alloys of Canada Ltd.**, 141 Kipling Ave. S., Toronto 18, Ont. Representing:  
All-State Welding Alloys Co., Inc., White Plains, N.Y.
- Alpha Aracon Radio Co. Ltd.**, 555 Wilson Ave., Downsview, Ont. Representing:  
Alpha Wire Corp., New York, N.Y.  
Arcoelectric Switches Ltd., West Molesey, Surrey, England.  
Kedman Co., Salt Lake City, Utah.  
Multi Products Co., Oak Park 37, Mich.
- Aluminum Co. of Canada Ltd. (ALCAN)**, 1700 Sun Life Bldg., Montreal 2, Que.
- Amalgamated Electric Corp. Ltd.**, 384 Pape Ave., Toronto 6, Ont.
- Amalgamated Electric Corp. Ltd.**, Woods Fan Div., 175 Wicksteed Ave., Toronto 17, Ont.
- Amalgamated Engineering Services Ltd.**, 882 E. Cordova St., Vancouver 4, B.C. Representing:  
The Fisher-Pierce Co., South Braintree 85, Mass.  
Amcan Electrical Harness, Ltd., 1139 King St. W., Toronto, Ont.

- American Superior Electric Co., Ltd.**, The, 174 Evans Ave., Toronto 18, Ont. Representing: The Superior Electric Co., Bristol, Conn.
- Ampex American Corporation**, 1458 Kipling Ave. North, Rexdale, Ont. Representing: Ampex Corp., Redwood City, California.
- Amphenol Canada Ltd.**, 349 Carlaw Ave., Toronto 8, Ont. Representing: Amphenol-Borg Corp., Chicago, Ill.
- Amplifone Canada, Ltd.**, 11 Water St., Belleville, Ont.
- Amplivox (Canada) Ltd.**, 71 Wellesley St. East, Toronto 5, Ont. Representing: Amplivox Ltd., London, Eng.
- Amy Frank, P.O. Box 73**, Burlington, Ont. Representing: Robotron Corp., Detroit 41, Mich.
- Anaconda American Brass Co. Ltd.**, New Toronto, Ont.
- Andersen & Co. Ltd., A. A.**, 20 Algje Ave., Toronto 18, Ont. Representing: Sauerelsen Cements Co., Sharpburg Station, Pa. Taylor Fibre Co., Norristown, Pa.
- Anderson, Wm. K.**, 72 Wentworth St. S., Hamilton, Ont. Rep.: Hartley Products Co., New York 51, N.Y.
- Andrew Antenna Corp. Ltd.**, 606 Beech St., Whitby, Ont. Representing: Andrew California Corp., Claremont, Calif. Andrew Corp., Chicago 19, Ill.
- Andrews & Associates, A. W.**, 1239 Tecumseh Pk., Port Credit, Ont. Representing: American Super-Temperature Wires Inc., Winooski, Vt. Chemo Products Inc., West Warwick, R.I. Cosmo Plastics Co., Cleveland, Ohio. Geo. Stevens Mfg. Co. Inc., Chicago, Ill.
- Antiference (Canada) Ltd.**, 169 Bartley Dr., Toronto 16, Ont.
- Apex Bolt Products**, 28 Milford Ave., Toronto 15, Ont.
- Armalite Co. Ltd., Crystal Arts Square**, Toronto 6, Ont. Rep.: Unit Process Assemblies, Inc., New York 3, N.Y.
- Armet Industries Ltd.**, Rubber & Plastics Division, Guelph, Ont.
- Armstrong Ltd., A. T. R.**, 700 Weston Rd., Toronto 9, Ont. Representing: Akro-Mills, Inc., Akron, Ohio. Automatic & Precision Mfg. Corp., Yonkers, N.Y. Bristol Motors Div. Vocaline Co. of America, Old Saybrook, Conn. Essex Electronics Ltd., Trenton, Ont. Good-All Electric Mfg. Co., Ogallah, Neb. Industrial Development Engineering Associates, Inc., Indianapolis, Ind. Jensen Industries Inc., Forest Park, Ill. Kulka Electric Corp., Mount Vernon, N.Y. Lion Fastener Div., Southco Corp., Lester, Pa. Potter & Brumfield Canada Ltd., Guelph, Ont. (Ontario only) Quam-Nichols Co., Chicago, Ill. Reeves Soundcraft Corp., Danbury, Conn. Sarkes Tarzian Inc., Rectifier Div., Bloomington, Ind. Silicon Transistor Corp., Long Island, N.Y. Southco Division, South Chester Corp., Lester, Pa. Tru-Ohm Products Div. Model Engineering & Mfg. Inc., Chicago, Ill. Vocaline Co. of America, Inc., Old Saybrook, Conn.
- Armstrong-Pacific**, 801 Dominion Building, Vancouver, B.C. Rep.: Kaar Engineering Corp., Palo Alto, Calif.
- Arrow Electronics Corp.**, 1085 St. Alexander St., Montreal, Que.
- Arrow Hart & Hegeman (Canada) Ltd., Industry St.**, Mount Dennis, Toronto 15, Ont. Representing: Arrow Hart & Hegeman Electric Co., Hartford, Conn.
- Arrow Radio Co.**, 1829 Davenport Rd., Toronto, Ont.
- ARVA Inc.**, Room G-7, Marine Bldg., 355 Burrard St., Vancouver, 1, B.C. Representing: Dutex Division, G. M. Giannini Inc., Monrovia, Calif. GV Controls Inc., East Orange, N.J. Kintel Television, San Diego, Calif. Marco Industries Co., Anaheim, Calif. F. L. Moseley Co., Pasadena, Calif. Rust Industrial Co. Inc., Manchester, N.H. Sanborn Co., Waltham, Mass. Sensitive Research Instrument Corp., New Rochelle, N.Y. Sigma Instruments Inc., South Braintree, Mass. Sorensen & Co. Inc., South Norwalk, Conn. Varian Associates of Canada Ltd., Georgetown, Ont. Victoreen Instrument Co., Cleveland, Ohio.
- Ashman Electronics Ltd.**, Greenville, Ont.
- Associated Electrical Industries (Canada) Ltd.**, 766 King St. W., Toronto 2B, Ont.
- Associated Electronic Components Ltd.**, 37 Roselawn Ave., Toronto 12, Ont. Rep.: Dr. Bernhard Beyschlag, Apparatebau, Westerland/Sylt, Germany. A/S Danavox, Copenhagen, Denmark. Dansk Ventil Industri, Copenhagen, Denmark. Eberle & Co. Electro-G.m.b.H., Nuernberg, Germany. Elstein-Werk, Northeim/Hann., Germany. W. C. Heraeus G.m.b.H., Hanau/a. Main, Germany. A/S Tobias Jensen, Copenhagen, Denmark. I/S Jensen Electric, Copenhagen, Denmark. Kuhnke-Electrotechnische Fabrik G.m.b.H., Malente, Holstein, Germany. Electrotechnische Fabrik Josef Mayr, Uttenreuth bei Erlangen, Germany. Josef Neuberger, Muenchen, Germany. Peerless Fabrikkerne A/S, Copenhagen, Denmark. Rheinisch-Westfaelische Isolator-Werke, G.m.b.H., Dattenfeld/Sieg, Germany. S. Samulevitz, Copenhagen, Denmark. Jorgen Schou, Copenhagen, Denmark. Tage Schouboe, Copenhagen, Denmark. Torotor A/S, Charlottenlund-Copenhagen, Denmark. Alois Zettler G.m.b.H., Muenchen, Germany.
- Associated Instrumentation & Controls Ltd.**, 2655 Bates Rd., Montreal 26, Que.
- Astral Electric Co. Ltd.**, 44 Danforth Rd., Toronto 13, Ont. Representing: Belling & Lee, Ltd., Enfield, Middlesex, England. British Ferrograph Recorder Co. Ltd., London, S.W. 1, Eng. Dubliner Condenser Co. Ltd., London, W. 3, England. FI-Cord Ltd., London, W. 1, Eng. Gramplan Ltd.; Feltham, Middlesex, England. Jones Stroud Ltd., Nottingham, England. H. J. Leak Co., Ltd., London, W. 3, England. M.S.S. Recording Co., Ltd., Colnbrook, Bucks., England. Reproducers & Amplifiers Ltd., Wolverhampton, England. A. R. Sugden (Engineers) Ltd., Brighouse, Yorks., England. Ungar Electric Tool Co. of Canada, Toronto 13, Ont. Vitavox Ltd., London, N.W. 9, England.
- Atlantic Films & Electronics Ltd.**, 22 Prescott St., St. John's, Nfld. Representing: Rauland-Borg Corp., Chicago 18, Ill.
- Atlas Instrument Corp. Ltd.**, 50 Wingold Ave., Toronto 19, Ont. Representing: Dynac, Inc., Palo Alto, Calif.
- Electro Products Laboratories, Inc.**, Chicago 40, Ill. (Transducer and Proximity Pickup Div.) Gertsch Products, Inc., Los Angeles 16, Calif. Kin Tel, Div. of Cohu Electronics, Inc., San Diego, Calif. Eric A. Lindgren and Associates, Chicago 40, Ill. Hewlett-Packard Co., Palo Alto, California. Massa, Div. of Cohu Electronics, Inc., Hingham, Mass. Sierra Electronics Corp., Menlo Park, Calif. Skydyne, Inc., Port Jervis, N.Y. Taller and Cooper, Inc., Div. of American Electronics, Brooklyn 1, N.Y. Tel Instrument Electronics Corp., Carlstadt, N.J. Weinschel Engineering and Manufacturing Corp., Kensington, Md.
- Atlas Polar Co. Ltd.**, P.O. Box 160, 60 Northline Rd., Toronto, Ont. Representing: Hiab Hydraulic Truck Cranes, Hudiksvall, Sweden. United States Motors Corp., Oshkosh, Wis. Waukesha Motor Co., Waukesha, Wis.
- Atlas Radio Corporation Ltd.**, 50 Wingold Ave., Toronto 19, Ont. Representing: Amperite Co., New York 12, N.Y. Atlas Sound Corp., Brooklyn, N.Y. Audiotex Manufacturing Co., Rockford, Ill. B. & K. Manufacturing Co., Chicago 13, Ill. The George W. Borg Corp., Janesville, Wis. Consolidated Wire & Associated Companies, Chicago 16, Ill. Continental Connector Corp., Long Island City 1, N.Y. Continental Electric Co., Geneva, Ill. Harry Davies Molding Co., Chicago 10, Ill. Daymar Electronics Specialties, Chicago, Ill. DeJur-Amsco Corp., Long Island City 1, N.Y. Drake Electric Works, Chicago 13, Ill. Drake Manufacturing Co., Chicago 31, Ill. E.M.I. Sales and Service, Hayes, Middlesex, England. Elco Corp., Philadelphia 24, Pa. Electrical Industries Inc., Murray Hill, N.J. Electroacoustic, G.m.b.H., Kiel, Germany. Electro Products Laboratories Inc., Chicago 40, Ill. Federal Electronic Sales, Rockville Centre, N.Y. The Gabriel Co., Gabriel Electronics Div., Needham Heights 94, Mass. Gregg Electric Co., Lawrence, Mass. Hudson Lamp Co., Kearny, N.J. I. E. Manufacturing, Chicago 12, Ill. Industrial Electronic Hardware Corp., New York 12, N.Y. International Rectifier Corp., El Segundo, Calif. Jerrold Electronics Corp., Philadelphia 3, Pa. Lowell Manufacturing Co., St. Louis 17, Mo. J. W. Miller Co., Los Angeles 3, Calif. M. A. Miller Manufacturing Co., Libertyville, Ill. Oak Manufacturing Co., Chicago 10, Ill. Orr Industries Inc., Opelika, Ala. Oxford Electric Corp., Chicago 6, Ill. Pace Electrical Instruments Co., Glendale 27, L.I., N.Y. Paco Electronics Co. Inc., Glendale 27, L.I., N.Y. Partridge Transformers Ltd., Chessington, Surrey, England. The Pentron Corp., Chicago 24, Ill. Pilot Radio Corp., Long Island City 1, N.Y. Precision Apparatus Co. Inc., Glendale 27, L.I., N.Y. Pyramid Instrument Corp., Lynbrook, N.Y.
- Radio Industries Inc.**, Chicago 40, Ill. Rek-O-Kut Co., Corona 68, N.Y. Sargent Electric Corp. (Div. of Pyramid Instrument) Lynbrook, N.Y. Herman H. Smith, Inc., Brooklyn 10, N.Y. Sonotone Corp., Electronic Applications Div., Elmsford, N.Y. Staver Manufacturing Co. Inc. Bay Shore, L.I., N.Y. Stuzzi Radiotechnischer Betrieb, Vienna, Austria. Switchcraft Inc., Chicago 30, Ill. Symphonic Radio & Electronics Corp., New York 19, N.Y. Telex Laboratories Inc., St. Paul 1, Minn. Terado Co., St. Paul 14, Minn. Triple-A Specialty Co., Chicago 18, Ill. Vaco Products Co., Chicago 11, Ill. Walco Electronics Manufacturing Co., Rockford, Ill. Ward Products Corp., Amsterdam, N.Y.
- Atlas Steels Limited**, Welland, Ont.
- Atomic Energy of Canada Ltd.**, Commercial Products Division, Tunney's Pasture, P.O. Box 93, Ottawa, Ont.
- Audio Transformer Co. Ltd.**, 202 Regina St. North, Waterloo, Ont.
- Audio Vision & Communication Co.**, 21 Pheasant Lane, Toronto, Ont. Representing: Rauland-Borg Corp., Chicago 18, Ill.
- Audio Vision Sales Ltd.**, 1306 Seymour St., Vancouver, B.C. Representing: Collaro Limited, Barking, Essex, England.
- Audio-Vox-Intercom Inc.**, 4510 De Laroche St., Montreal 34, Que.
- Automatic Alarms & Signals Ltd.**, 87A Awde St., Toronto, Ont.
- Automatic Coil Mfg. Co.**, 50 Wingold Ave., Toronto 19, Ont. Representing: Radio Industries Inc., Des Plaines, Ill. Automatic Electric (Canada) Ltd., 100 Strowger Blvd., Brockville, Ont. Automatic Electric Sales (Canada) Ltd., 185 Bartley Drive Toronto 16, Ont. Representing: Automatic Electric (Canada) Ltd., Brockville, Ont. Automatic Electric International Inc., Northlake, Ill. Lenkurt Electric Co. of Canada Ltd., Vancouver, B.C. Paragon Electric Co., Two Rivers, Wis. Stromberg Time Corporation, Thomaston, Conn. Tel Autograph Corporation, Los Angeles, Calif.
- Automatic Radio Co. of Canada Ltd.**, 25 Bermondsey Rd., Toronto 16, Ont.
- Automatic Telephone & Electric Co. Ltd.**, P.O. Box 575, St. John's Newfoundland. Representing: Automatic Telephone & Electric Co. Ltd., London, W.C.2, Eng. Automatic Telephone & Sound Services Ltd., 777 Osborne Ave. Verdun, Que. Automatic Thermo Sales & Mfg. Ltd., 188 Duke St., Toronto, Ont. Autotronics Control, R.R. 3, Kitchener, Ont. Aviation Developments, Ltd., 1151 Kipling Ave. North, Rexdale P.O., Ont. Rep.: Huck Manufacturing Co., Detroit 7, Mich. Aviation Electric Limited, 200 Laurentien Blvd., Montreal 9, Que. Representing: Actuator Products Corp., Woburn, Mass. Aermotor Co., Chicago, Ill. Aircraft Specialty Lines, Phoenix, Arizona. Champion Spark Plug Co. of Canada Ltd., Windsor, Ont. Hamlyn Electronics Corp., New York 17, N.Y. The Hymatic Engineering Co. Ltd., Redditch, Worcs., Eng. Ideal-Aerometh, Inc., Hawthorne, Calif.

Lodge Plugs Ltd., Rugby, Eng.  
 Mark Mobile Inc.,  
 Morton Grove, Ill.  
 Mark Products Co.,  
 Morton Grove, Ill.  
 Robinson Technical Products,  
 Inc., Teterboro, N.J.  
 Ronan & Kunz, Inc.,  
 Marshall, Mich.  
 Scintilla Division, Bendix  
 Aviation Corp., Sidney, N.Y.  
 Superior Air Products Co.,  
 Newark 5, N.J.  
 Teddington Controls Ltd.,  
 Merthyr-Tydfil, South Wales.  
 Teddington Industrial  
 Equipment, Sunbury-on-Thames,  
 Middlesex, England.  
 Vandusen Aircraft Supplies,  
 Teterboro, N.J.  
 Waterman Products Co., Inc.,  
 Philadelphia 25, Pa.  
**Aviation Electric Pacific Ltd.,**  
 Vancouver Airport,  
 Vancouver, B.C.  
 Representing:  
 Actuator Products Corp.,  
 Woburn, Mass.  
 Aeromotor Corp., Chicago, Ill.  
 Bendix Montrose Div.,  
 Bendix Aviation Corp.,  
 South Montrose, Pa.  
 Bendix Pacific Div.,  
 Bendix Aviation Corp.,  
 North Hollywood, Calif.  
 Bendix Radio Div.,  
 Bendix Aviation Corp.,  
 Baltimore, Md.  
 Bendix Red Bank Div.,  
 Bendix Aviation Corp.,  
 Eatontown, N.J.  
 Bendix Scintilla Div.,  
 Bendix Aviation Corp.,  
 Sidney, N.Y.  
 Eclipse Pioneer Div.,  
 Bendix Aviation Corp.,  
 Teterboro, N.J.  
 Pioneer Central Div.,  
 Bendix Aviation Corp.,  
 Davenport, Iowa.  
 Hamlyn Corp., Long Island, N.Y.  
 M. C. Jones Co., Bristol, Conn.  
 Mark Products and Mark Mobile  
 Inc., Morton Grove, Ill.  
 Robinson Technical Products  
 Inc., Teterboro, N.J.  
 Waterman Products Co.,  
 Philadelphia, Pa.  
 Westberg Mfg. Co., Napa, Calif.

**Avionics Ltd.,** Box 200,  
 Niagara-on-the-Lake, Ont.  
 Representing:  
 Besson & Robinson  
 (B. & R. Relays Ltd.,  
 Harlow, England.  
 Microwave Instruments, North  
 Shields, Northumberland, Eng.  
 Thermionic Products Ltd.,  
 Southampton, England.  
 Watchstones Co. Ltd.,  
 Thoune, Switzerland.  
**Aviquote of Canada Limited,**  
 Suite 340, 1980 Sherbrooke St. W.,  
 Montreal, Que. Representing:  
 Breeze Corp., Inc., Union, N.J.  
 Coast Pro-Seal & Mfg. Co. Ltd.,  
 Los Angeles 57, Calif.  
 Consolidated Controls Corp.,  
 Bethel, Conn.  
 Motor Generator Corp.,  
 Troy, Ohio.  
 Simmons Fastener Corp.,  
 Albany, N.Y.  
**Avtek Systems Engineering Ltd.,**  
 1930 Sargent Ave., Winnipeg 3,  
 Man. Representing:  
 The Zippertubing Co.,  
 Los Angeles 14, Calif.

## B

**B.C. Equipment Co. Ltd.,**  
 151 Howe St., Vancouver, B.C.  
 Representing:  
 Kato Engineering Co.,  
 Mankato, Minn.  
**B.C. Mercantile Ltd.,**  
 142 W. Broadway,  
 Vancouver 9, B.C.  
 B and R Electronics Ltd.,  
 P.O. Box 127, Oakville, Ont.  
**Bach-Simpson Limited,**  
 125 Brydges St., London, Ont.  
 Representing:  
 Radiometer, Copenhagen,  
 Denmark.  
 Simpson Electric Co.,  
 Chicago, Ill.  
**Balley Meter Company Ltd.,**  
 980 Claremont Ave., Montreal 6,  
 Que.  
**Bain & Dawes Ltd.,**  
 1620 Namur St., Montreal 16, Que.  
 Representing:

Duramark, Inc.,  
 Pert Washington, N.Y.  
**Bakelite Company,** Belleville, Ont.  
**Baker Instruments Ltd.,**  
 185 Davenport Rd., Toronto, Ont.  
**Balfour-Guthrie Canada Ltd.,**  
 744 W. Hastings St.,  
 Vancouver 1, B.C.  
**Bali Associates, C. A.,**  
 161 Berry Rd., Toronto, Ont.  
 Representing:  
 Croname (Canada) Ltd.,  
 Waterloo, Que.  
**Barber-Colman of Canada Ltd.,**  
 6 Leswyn Rd., Toronto 19, Ont.  
 Representing:  
 Barber-Colman Co.,  
 Rockford, Ill.  
**Barber Machinery Division, F. F.,**  
 187-191 Fleet St. W., Toronto, Ont.;  
 other offices in Montreal,  
 Hamilton and Windsor.  
 Representing:  
 Artos Engineering Co.,  
 Milwaukee 46, Wis.  
 C. I. Hayes, Inc.,  
 Cranston 10, R.I.  
**Barber, Stephen S.,**  
 1415 St. Mark St., Montreal, Que.  
 Representing:  
 Grafo Colloids Corp.,  
 Sharon, Pa.  
**Bardwell Company, L. J.,**  
 Box 142, Station "D", Toronto 9,  
 Ont. Representing:  
 De Wald Radio, A Division of  
 United Scientific Laboratories,  
 Long Island, N.Y.  
**Barron, William T.,** P.O. Box 127,  
 Oakville, Ont. Representing:  
 Alcon Metal Products Inc.,  
 Chicago 47, Ill.  
 All Star Products Inc.,  
 Defiance, Ohio.  
 B and R Electronics Ltd.,  
 Oakville, Ont.  
 The William Brand and Co. Inc.,  
 Willmantic, Conn.  
 Cornell-Dubiller Electric Corp.,  
 South Plainfield, N.J.  
 National Fabricated Products  
 Inc., Chicago 47, Ill.  
 Rocke International Corp.,  
 New York, N.Y.  
**Barry Electric Limited,**  
 346 Bering Ave., Toronto 18, Ont.  
 Representing:  
 Cherry Electrical Products  
 Corp., Highland Park, Ill.  
**Barvic Engineering Ltd.,**  
 909 Beach Ave., Vancouver 1, B.C.  
 Representing:  
 Belling & Lee Ltd., Enfield,  
 Middlesex, England.  
 A. F. Bulgin & Co. Ltd.,  
 Barking, Essex, England.  
 The Cincinnati Time Recorder  
 Co., Cincinnati 14, Ohio.  
 Communication Products Co.,  
 Inc., Marlboro, N.J.  
 Stanley Cox Ltd.,  
 London, W. 1, England.  
 The Garrard Engineering &  
 Mfg. Co. Ltd.,  
 Swindon, Glos., England.  
 The General Electric Company  
 Ltd., London, W.C. 2, England.  
 AB Gylling & Co.,  
 Stockholm 4, Sweden.  
 Elof Hansson Inc.,  
 New York 17, N.Y.  
 Multitone of Canada Ltd.,  
 Toronto 7, Ont.  
 Pyc Cambridge Limited,  
 Cambridge, England.  
 Pyc Canada Limited,  
 Toronto 16, Ont.  
 Reproducers and Amplifiers,  
 Wolverhampton, England.  
 S & S Electronics Limited,  
 Chesham, Berks., England.  
**Bass, Jack, Room 106,**  
 525 Seymour St., Vancouver, B.C.  
 Representing:  
 Rek-O-Kut Company,  
 Corona 68, N.Y.  
**Bayly Engineering Ltd.,** Hunt St.,  
 Ajax, Ont. Representing:  
 Arnold Engineering Co.,  
 Marengo, Ill.  
 Boesch Manufacturing Corp.,  
 Danbury, Conn.  
 Boonton Radio Corp.,  
 Boonton, N.J.  
 Brush Instruments,  
 Div. of Clevite Corp.,  
 Cleveland 14, Ohio.  
 De Mornay-Bonardi, Inc.,  
 Pasadena, Calif.  
 Allen B. Du Mont Laboratories,  
 Inc., Clifton, N.J.  
 M. C. Jones Electronics Co.,  
 Inc., Bristol, Conn.  
 Sorensen & Company, Inc.,

South Norwalk, Conn.  
 Technibilt Corp.,  
 Glendale, Calif.  
**Beaconing Optical & Precision  
 Materials Company Ltd.,**  
 455 Craig St. W., Montreal, Que.  
 Representing:  
 Barbier, Benard & Turenne  
 (BBT), Paris, France.  
 General Precision Industries  
 Ltd. (GPI), Granby, Que.  
 Laboratoires R. Derveaux,  
 Paris, France.  
 Lambda-Pacific Engineering  
 Inc., (LPE), Van Nuys, Calif.  
**Beama Engineering Ltd.,**  
 76 Densley Ave., Toronto 15, Ont.  
**Beatty Bros. Ltd.,** Hill St.,  
 Fergus, Ont.  
**Beck Electric Mfg. Ltd.,**  
 10 Alcorn Ave., Toronto 7, Ont.  
**Beckman Instruments Inc.,**  
 3433 Bathurst St., Toronto 12, Ont.  
 Representing:  
 Beckman Instruments Inc.,  
 Scientific Div., Fullerton, Calif.  
**Bedard-Girard Ltd.,**  
 117 Laguchetiere West,  
 Montreal, Que. Representing:  
 Rauland-Borg Corp.,  
 Chicago 18, Ill.  
**Beechey Enterprises,**  
 1162 Main St. N., Weston, Ont.  
 Representing:  
 Bulova Watch Co., Electronics  
 Div., Woodside, N.Y.  
 Chemalloy Electronic Corp.,  
 Santee, Calif.  
 Conrad Inc., Holland, Mich.  
 Hughey & Phillips Inc.,  
 Burbank, Calif.  
 Kip Electronics Corp.,  
 Stamford, Conn.  
 Research Instrument Co.,  
 Portland, Oregon.  
 Rinco, Inc., Portland 6, Oregon.  
**Belanger, Omer,** 6559 St. Valler  
 St., Montreal 10, Que.  
 Representing:  
 Califone Corp.,  
 Hollywood 38, Calif.  
**Bei Clear Products**  
 (Div. of Electronic Specialties),  
 9 Glen Rd., Toronto 5, Ont.  
**Beiding-Corticeill Ltd.,** P.O. Box 9,  
 Montreal 3, Que.  
**Beil Telephone Company of  
 Canada, The,** 1050 Beaver Hall Hill,  
 Montreal, Que.  
**Benco Television Associates Ltd.,**  
 27 Taber Rd., Rexdale, Ont.  
 Representing:  
 Thompson Products,  
 Don Mills, Ont.  
**Becco Canada Limited,**  
 4018 St. Catherine St. West,  
 Montreal, Que.  
**Bergeron Machineries, Paul,**  
 P.O. Box 1148, Trois Rivières, Que.  
 Representing:  
 R. B. Annis Co.,  
 Indianapolis 2, Ind.  
 Bern and Company Ltd., Lee,  
 Winnipeg, Man.  
 Bersill Agencies, William,  
 266 Notre Dame St. W., Suite 41,  
 Montreal, Que. Representing:  
 Ducati Elettrotecnica S.p.A.,  
 Bologna, Italy.  
**Best Co., John,** 96 Kipling Ave. N.,  
 Islington, Ont. Representing:  
 American Special Machine Co.,  
 Chicago 14, Ill.  
 Automation Development Corp.,  
 Mentor, Ohio.  
 Automation Devices Inc.,  
 Erie, Pa.  
 Bimba Mfg. Co., Monee, Ill.  
 Deublin Co., Glenview, Ill.  
 Farmer Electric Products Co.  
 Inc., Newton Lower Falls 62,  
 Mass.  
**Feedall Inc.,** Willoughby, Ohio.  
**Martin Engineering Co.,**  
 Neponset, Ill.  
 John W. Neumann Co.,  
 Clawson, Mich.  
 Oil-Dyne Inc., Chicago 36, Ill.  
 U.S. Engineering Corp.,  
 Long Island City 1, N.Y.  
 Wasco Electric Products Corp.,  
 St. Petersburg, Fla.  
**Blinks Manufacturing Co.**  
 14 Vansco Rd., Toronto 18, Ont.  
 Electronic Laboratories,  
 P.O. Box 744, Station "B",  
 Montreal 2, Que.  
**Bishop Sons & Co. Ltd.,**  
 588 Eastern Ave., Toronto 3, Ont.  
**Black Bros. Ltd.,** 1200 Hornby St.,  
 Vancouver 1, B.C. Representing:  
 Lion Fastener Co.,  
 South Chester Corp., Lester, Pa.  
 Southco Division,  
 South Chester Corp., Lester, Pa.

**Blackstone Industrial Products,  
 Ltd.,** Stratford, Ont. Representing:  
 Blackstone Corp.,  
 Jamestown, N.Y.  
**Blunt Ltd., L. G.** 44 York St.,  
 Toronto, Ont. Representing:  
 Eastman International Co.,  
 G.m.b.H., Hannover, Germany.  
 Felten & Guilleaume  
 Fernmedienanlagen, G.m.b.H.,  
 Nuernberg, Germany.  
 Grundig-Verkaufs, G.m.b.H.,  
 Furth (Bayern), Germany.  
 Ingenieur Büro Atlas Kiel,  
 Kiel, Germany.  
**Bogue Electric of Canada, Ltd.,**  
 P.O. Box 900, Ottawa, Ont.  
**Bohne Industries Ltd.,**  
 1153 Queen St. W., Toronto 3, Ont.  
**Bolton Ltd., F. D.,**  
 926 East Hastings St.,  
 Vancouver 4, B.C. Representing:  
 Heinemann Electric Co.,  
 Trenton, N.J.  
 Midland Electric Mfg. Co. Ltd.,  
 Birmingham, England.  
**Borden Chemical Company  
 Canada Ltd.,** The Box 610,  
 Coronation Rd., West Hill, Ont.  
 Representing:  
 The Borden Chemical Co.,  
 A Div. of The Borden Co.,  
 New York 17, N.Y.  
**Boston Insulated Wire & Cable Co.**  
 118 Shaw St., Hamilton, Ont.  
 Representing:  
 Boston Insulated Wire & Cable  
 Co., Boston 25, Mass.  
**Boyd Ltd., Winnett,**  
 745 Mount Pleasant Rd.,  
 Toronto 7, Ont. Representing:  
 Aero Research Instrument Co.  
 Inc., Chicago 7, Ill.  
 Airborne Accessories Corp.,  
 Hillside, N.J.  
 Gorn Electronics Div. & Aircraft  
 Controls Co. Div., Gorn Electric  
 Co., Inc., Stamford, Conn.  
 NRC Equipment Corp.,  
 Newton 61, Mass.  
**Brady Co. of Canada Ltd.,** W. H. I.  
 Research Rd., Brampton, Ont.  
 Representing:  
 W. H. Brady Co.,  
 Milwaukee 9, Wis.  
**Braun of Canada Equipment Ltd.**  
 35 Haas Rd., Rexdale, Ont.  
**Brews & Son, R. L.,**  
 1324-11th Ave. W., Calgary, Alta  
 Representing:  
 The Eastern Specialty Co.,  
 Philadelphia, Pa.  
**Brian Engineering Limited,**  
 5275 Van Horne Ave.,  
 Montreal, Que. Representing:  
 Avion Inc., Woodside 77, N.Y.  
 Avionic Products Engineering  
 Corp., Dover, N.J.  
 The Deutch Company,  
 Los Angeles 3, Calif.  
 W. C. Dillon & Co., Inc.,  
 Van Nuys, Calif.  
 Electromap Corp.,  
 Chicago 24, Ill.  
 Inet Division, Leach  
 Corporation, Compton, Calif.  
 Leach Relay Division, Leach  
 Corporation, Los Angeles 3,  
 Calif.  
 Rahm Instruments Div.,  
 American Machine & Metals Inc.,  
 Westbury, N.Y.  
 United States Gauge Div.,  
 American Machine & Metals Inc.,  
 Sellersville, Pa.  
 Wackmann Watch Co. Inc.,  
 New York 36, N.Y.  
**Bristol Aeroplane Co. of Canada  
 Ltd.,** 200 International Aviation  
 Bldg., Montreal 3, Que.  
 Representing:  
 D. S. Kennedy & Co.,  
 Cohasset, Mass.  
**Bristol Company of Canada Ltd.,**  
 The, 71-79 Duchess St., Toronto 2,  
 Ont. Representing:  
 The Bristol Co.,  
 Waterbury, Conn.  
 Industrial Instrument Corp.,  
 Austin, Texas.  
 Kieley & Mueller Inc.,  
 Middletown, N.Y.  
**Brooks Equipment Ltd.,**  
 695 Erin St., Winnipeg, Man.  
 Representing:  
 D. W. Onan & Son, Inc.,  
 Minneapolis 14, Minn.  
**Brown Boveri (Canada) Ltd.,**  
 1015 Beaver Hall Hill, Montreal 1,  
 Que. Representing:  
 Brown Boveri & Co.,  
 Baden, Switzerland.  
 Micafl Ltd., Zurich, Switzerland.



**Brunswick-Balke-Collender Co. of Canada Ltd.**, The, 38 Hanna Ave., Toronto, Ont.

**Buckland Company, Robert J.**, P.O. Box 563, 58 Water St., Chatham, Ont. Representing:

Antenna Designs Inc., Burlington, Iowa.  
Antenna Specialists Co., Cleveland, Ohio.  
Central Electronics Inc., Chicago, Ill.  
Dow-Key Co., Inc., Thief River Falls, Minn.  
Electro-Ceramics, Inc., New Haven 11, Conn.  
Herb Kreckman Co., Cresco, Pa.  
Midwest Audio Corp., Morton Grove, Ill.  
Mosley Electronics Inc., Saint Louis, Mo.  
Multi-Products Co., Oak Park, Mich.  
Shell Electronic Manufacturing Corp., Brooklyn 34, N.Y.  
Swing-O-Lite Inc., Hackensack, N.J.  
Tapetone, Inc., Webster, Mass.  
Texas Crystals, River Grove, Ill.

**Burgess Battery Company**, Division of Serval (Canada) Ltd., 415 Buttrey St., Niagara Falls, Ont.

**Burgess, Norris**, 418 Mount Pleasant Rd., Toronto 7, Ont. Representing:

Ashman Electronics Ltd., Greenville, Ont.  
Clectron, Inc., Cleveland, Ohio.  
Electronic Components Ltd., Toronto, Ont.  
Electronic Measurements Corp., New York City, N.Y.  
Keystone Electronics Inc., New York City, N.Y.  
Milwaukee Resistor Co., Milwaukee, Wis.  
Rytel Electronics Mfg. Co., Los Angeles, Calif.  
S & A Electronics Mfg. Co., Toledo, Ohio.  
Sutton Electronic Co., Lexington, Ky.  
TV Development Corp., Jamaica, N.Y.  
Truvox Ltd., London, England.  
Vidrele Electronics Mfg., Baldwin, N.Y.

**Burlec Sales Limited**, 45 Northline Rd., Toronto, Ont. Representing:

American Superior Electric Co., Toronto, Ont.  
Austinlite Ltd., Crawley, Sussex, England.  
Cramer Controls Corp., Centerbrook, Conn.  
Electronics Incorporated, Newark, N.J.  
Electrovac, Vienna, Austria.  
Everrett Edgcombe Co. Ltd., London, England.  
The Horstmann Gear Company Ltd., Bath, England.  
Maurey Instrument Corp., Chicago, Ill.  
Donald P. Mossman, Inc., Brewster, N.Y.  
Phillips Control Corp., Joliet, Ill.  
The Simplex Co., Springfield, Ill.  
Syntron Canada, Stone Creek, Ont.  
The Wama Company, Baltimore, Md.

**Burndy Canada Ltd.**, 1530 Birchmount Rd., Scarborough, Ont.  
**Burrighs Adding Machine Co. of Canada Ltd.**, 752 Bay St., Toronto, Ont.

**Burrighs Adding Machine of Canada Ltd.**, Computer Systems Division, 1322 Carling Ave., Ottawa, Ont.

## C

**CIS-CAN Chemical & Industrial Sales Ltd.**, 8035-102nd St., Edmonton, Alta. Representing:

Brooks Rotameter Co., Hatfield, Pa.  
Conoflow Corp., Phila., Pa.  
Crawford Fitting Co., Cleveland, Ohio.  
Crescent Insulated Wire & Cable Co., Trenton 5, N.J.  
Robertshaw-Fulton Controls Co., Los Angeles, Calif.  
Swartwout Co., Cleveland, Ohio.  
Thermo Electric (Canada) Ltd., Brampton, Ont.  
Thermon Manufacturing Co., Houston, Texas.

**Cables, Conduits & Fittings, Ltd.**, 77 Richelleu St., St. Johns, Que.

**Caldwell A/V Equipment Co. Ltd.**, 447 Jarvis St., Toronto 5, Ont. Representing:

Bell & Howell Ltd., Toronto, Ont.  
Berndt-Bach, Inc., Hollywood 38, Calif.  
Braun of Canada Equipment Ltd., Rexdale, Ont.  
Busch Film & Equipment Co., Saginaw, Mich.  
Califone Corp., Hollywood 38, Calif.  
Canadian Kodak Ltd., Toronto 9, Ont.  
Century Lighting Inc., New York 36, N.Y.  
Cinekad Engineering Co., New York 19, N.Y.  
Precision Laboratories, Brooklyn, N.Y.  
Robert Rigby Ltd., London, W.C. 1, England.  
The Stancil-Hoffman Corp., Hollywood 38, Calif.  
Technical Service Inc., Livonia, Mich.  
Television Specialty Co., New York 1, N.Y.

**Cambridge Thermionic of Canada, Ltd.**, 2425 Grand Boulevard, Montreal 28, Que. Representing:

Cambridge Thermionic Corp., Cambridge 38, Mass.

**Cametoid Ltd.**, Fairall St., Ajax, Ont.

**Campbell Machinery Co. Ltd.**, Kitchener, Ont. Representing:  
Industron Corp.,  
Newton Highlands 61, Mass.

**Campbell Mfg. Co. Ltd.**, 45 Sheppard Ave. East, Willowdale, Ont.

**Campbell & Co. Ltd.**, A. J., 1440 St. Catherine St. W., Montreal, Que. Representing:  
Elastic Stop Nut Corp. of America, Union, N.J.

Long-Lok Corp., Santa Monica, Calif.  
Parker Seal Co., Culver City, Calif.

**Canada Cabinets & Furniture Ltd.**, Kitchener, Ont.  
**Canada Decalomania Co. Ltd.**, 507 King St. East, Toronto 2, Ont.  
**Canada Illinois Tools, Ltd.**, 67 Scarsdale Rd., Don Mills, Ont. Representing:

Licon Switch & Control Div., Illinois Tool Works, Chicago, Ill.  
**Canada Metal Co. Ltd.**, The, 721 Eastern Ave., Toronto, Ont.  
**Canada Wire and Cable Co. Ltd.**, Postal Station "R", Toronto 17, (Leaside), Ont. Representing:  
Telecabs & Wires Ltd., Fort Garry, Man.  
The Telegraph Construction & Maintenance Co. Ltd., London, England.  
Tensolite Insulated Wire Company Inc., Tarrytown, N.Y.  
**Canada Ltd.**, P.O. Box 6087, Montreal, Que.

**Canadian Admiral Corporation Ltd.**, 501 Lakeshore Rd., Port Credit, Ont. Representing:  
Beama Engineering Ltd., Toronto 15, Ont.  
Mallory Battery Co. of Canada Ltd., Toronto 4, Ont.  
Tenatronics Ltd., Newmarket, Ont.

**Canadian Algor Ltd.**, 138 Albert St., London, Ont.  
**Canadian Applied Research Ltd.**, 750 Lawrence Ave. W., Toronto 19, Ont. Representing:

Compagnie Crouzet, Valence sur Rhone, France.  
Librascope Inc., Burbank, Calif.  
Rank Cintel Ltd., London, S.E. 26, England.  
Robot-Foto G.m.b.H., Dusseldorf, Germany.  
SPE Co. Ltd., Slough, Bucks., England.  
Transval Engineering Corp., Culver City, Calif.  
Williamson Mfg. Co. Ltd., London, N.W. 10, England.

**Canadian ASEA Electric Ltd.**, 1450 City Councillors, Montreal, Que.

**Canadian Astatic Limited**, 2273 Danforth Ave., Toronto 13, Ont. Representing:

Astatic Corporation, Conneaut, Ohio.  
**Canadian Astronautical Society**, c/o de Havilland Aircraft of Canada, Guided Missile Division, Downsview, Ont.

**Canadian Atlas Transformer Co. Ltd.**, 17 Carlaw Ave., Toronto, Ont.

**Canadian Aviation Electronics Ltd.**, 6214 Cote de Liesse Rd., Montreal, Que.

**Canadian Bridge Works**, Division of Dominion Steel and Coal Corp. Ltd., 1219 Walker Rd., Walkerville, Ont.

**Canadian Bronze Powder Works, Ltd.**, 355 St. James St. W., Montreal 1, Que. Representing:  
Rubber & Asbestos Corp., Bloomfield, N.J.

**Canadian Carborundum Co. Ltd.**, Box 57, Niagara Falls, Ont.

**Canadian Charts & Supplies Ltd.**, Oakville, Ont.

**Canadian Chromalox Co. Ltd.**, The, 210 Rexdale Blvd., Toronto, Ont.

**Canadian Communication Systems**, 223A-10th St. N.W., Calgary, Alta. Representing:

Dominion Sound Equipments Ltd., Calgary, Alta.  
Electro-Vox Inc., Montreal, Que.  
International Syscoms Ltd., Montreal, Que.  
Simplex Time Recorder Co., Gardner, Mass.

Telecom Ltd., Toronto, Ont.  
**Canadian Curtiss Wright Ltd.**, 1980 Sherbrooke St. W., Montreal, Que. Representing:

Curtiss Wright Corp., Electronics Div., Carlstadt, N.J.  
**Canadian Electrical Supply Co. Ltd.**, 275 Craig St. W., Montreal, Que. Representing:

Lansdale Tube Co., Div. of Philco Corp., Lansdale, Pa.  
Partridge Transformers Ltd., Chessington, Surrey, England.

**Canadian Electronics Co.**, 180 Chatham St., Hamilton, Ont.  
**Canadian Electronics Ltd.**, 109th St. at 107th Ave., Edmonton, Alta. Representing:

Ampex American Corp. Antiference Canada Ltd.  
Canadian Motorola Electronics Ltd.  
Cannon Electric Co.  
Carter Motor Co.  
Conrac Inc.

**Dumont Radio & TV.** Ericsson Telephone Sales of Canada Ltd.

**Kaar Engineering Corp.** Micro Switch Division — Honeywell Controls Ltd.

Rauland-Borg Corp., Chicago 18, Ill.

**RCA Tube Division** Secode Corporation  
**Sola Electric Canada Ltd.** Superior Electric Co.  
Telequipment Ltd., London, England.

**Canadian Fairbanks-Morse Co. Ltd.**, The, 960 St. Antoine St., Montreal, Que. Representing:

The Gray and Prior Machine Co., Hartford 5, Conn.

**Canadian General Electric Co. Ltd.**, Electronic Equipment and Tube Dept., 830 Lansdowne Ave., Toronto, Ont. Representing:

General Electric Company, Coventry, England.

**Canadian General Electric Co. Ltd.**, Electronic Tube Section, (Radiovalve Co. Ltd.), 189 Dufferin St., Toronto, Ont.

**Canadian Hanson & Van Winkle**, Silver and Morrow Aves., Toronto 3, Ont. Representing:

Unit Process Assemblies, Inc., New York 3, N.Y.

**Canadian Industries Limited**, P.O. Box 10, Montreal, Que.

**Canadian Johns-Manville Co. Ltd.**, 565 Lakeshore Rd. East, Port Credit, Ont.

**Canadian Kodak Ltd.**, 3500 Eglinton Ave. West, Toronto 9, Ont.

**Canadian Laboratory Supplies Ltd.**, 3701 Dundas St. W., Toronto 9, Ont., and offices in Montreal, Winnipeg & Edmonton. Representing:

T. Baker Chemical Co., Phillipsburg, N.J.  
Blue M. Electric Co., Blue Island, Ill.

Despatch Oven Company, Minneapolis, Minn.  
Yellow Springs Instrument Co. Inc., Yellow Springs, Ohio.

**Canadian Line Materials**, 3595 St. Clair Ave. E., Toronto 13, Ont.

**Canadian Liquid Air Company**, 1111 Beaver Hall Hill, Montreal, Que. Representing:

Air Reduction Canada Ltd., St. Laurent, Que.

Alloy Rods, York, Pa.  
Aluminum Company of Canada, Montreal, Que.

American Brake Shoe Co., American Mang. Steel Div., Chicago, Ill.

Arcair Company, Lancaster, Ohio.

Bernard Welding Equipment Co., Chicago, Ill.

Chicago Hardware & Foundry Co., North Chicago, Ill.  
Contour Marker Corp., Compton, Calif.

Davol Rubber Co., Providence 2, R.I.  
Duro Engineering Co., Hamden 17, Conn.

Thomas A. Edison Industries, Stuyvesant Falls, N.Y.  
Fibre-Metal (Canada) Ltd., Toronto 12, Ont.

Foregger Co., Inc., New York 34, N.Y.  
H & M Pipe Cutting & Beveling Machines, Tulsa 20, Okla.  
Handy & Harman of Canada Ltd., Toronto 2B, Ont.

**Canadian Lister-Blackstone Ltd.**, P.O. Box 174, Postal Station "H" Toronto 13, Ont. Representing:

Blackstone & Co. Ltd., Dursley, Glos., England.

R. L. Engineers Ltd., Dursley, Glos., England.

Sole Concessionaires — for R. A. Lister & Co. Ltd., Dursley, Glos., England.

**Canadian Marconi Company**, 2442 Trenton Ave., Montreal, Que. Representing:

American Superior Electric Co., Toronto, Ont.

Ampex American Corporation, Toronto, Ont.

Applied Electronics Co. Inc., South San Francisco, Calif.

Baird-Atomic Inc., Cambridge, Mass.

Conrac Inc., Glendora, Calif.  
Edo Corporation, College Point 56, N.Y.

Ekco Electronics Ltd., Southend-on-Sea, Essex, Eng.

EV of Canada Ltd., Scarborough, Ont.

Gates Radio Co., Quincy, Ill.  
Lustraphone Limited, London, N.W. 1, England.

Marconi Instruments Ltd., St. Albans, Herts., England.

Marconi International Marine Co., Chelmsford, Essex, Eng.

Marconi's Wireless Telegraph Co., Chelmsford, Essex, Eng.

Narco, Fort Washington, Pa.  
Olympic Instrument Laboratories, Vashon, Wash.

Ross Laboratories, Seattle Wash.  
Simonsen Radio, Oslo, Norway.

Television Utilities, Corona, N.Y.

Wilcox Electric Co., Kansas City 1, Mo.

**Canadian Marconi Company**, Electronic Tube and Components Div., 830 Bayview Ave., Toronto 17, Ont. Representing:

Claroat Manufacturing Co., Dover, N.H.

Electric Soldering Iron Co., Deep River, Conn.

English Electric Valve Co., Chelmsford, Essex, England.

Jackson Electrical Instrument Co., Dayton 1, Ohio.

Litton Industries, San Carlos, Calif.  
Machlett Laboratories Inc., Springfield, Conn.  
Marconi Electronic Tube Plant, Montreal, Que.

The National Company, Malden 48, Mass.  
National Radio Co. Inc., Melrose 76, Mass.  
Radio Valve Co. Ltd., Toronto, Ont.  
The Turner Company, Cedar Rapids, Iowa.  
Webcor Inc., Chicago 39, Ill.

**Canadian Motorola Electronics Ltd.**, 105 Bartley Drive, Toronto 16, Ont. Representing:  
Motorola Communications and Electronics Inc., Chicago 51, Ill.  
Mullard Equipment Limited, London, W.C. 1, England.  
N.V. Philips Telecommunicatie Industrie, Hilversum, Holland.

Canadian Pittsburgh Industries Ltd., 48 St. Clair Ave. W., Toronto 7, Ont.

Canadian Pratt and Whitney Aircraft Company Ltd., P.O. Box 10, Longueuil, Que. Representing:  
Norden Division,  
United Aircraft Corp., Stamford, Conn.

Canadian Puregas Equipment Ltd., 156 Front St. West, Toronto, Ont. Representing:  
Puregas Equipment Corp., Copiague, N.Y.

Canadian Research Institute, 46 St. George St., Toronto 5, Ont. Representing:  
Baird-Atomic, Inc., Cambridge, Mass.  
Buckleys (Uvral) Ltd., London, England.  
Emel Establishments, Paris, France.  
Fisher Research Laboratory, Inc., Palo Alto, Calif.  
P. Gossen & Co., Erlangen, Germany—U.S. Zone.  
Hathaway Instrument Co., Denver, Colo.  
Mico Instrument Co., Cambridge, Mass.  
Photovolt Corp., New York, N.Y.  
Plxberg & Co., Bergneustadt, Rhld., Germany.  
Precision Radiation Instruments, Inc., Los Angeles, Calif.  
Precision Tubing Co., North Wales, Pa.  
Staub & Co., Richterswil, Switzerland.

Canadian Resins & Chemicals, Div. of Shawinigan Chemicals Ltd., 600 Dorchester St. W., Montreal, Que.

Canadian Stackpole Ltd., 550 Evans Ave., Toronto 14, Ont. Representing:  
Stackpole Carbon Company, St. Marys, Pa.

Canadian Westinghouse Co. Ltd., Electronics Div., P.O. Box 510, Hamilton, Ont.

Canadian Westinghouse Co. Ltd., Electronic Tube Division, Plant #2 — Aberdeen Ave., Hamilton, Ont. Representing:  
Westinghouse Electric Corp., Electronic Tube Div., Elmira, N.Y.  
Westinghouse Electric Corp., Semi-Conductor Div., Youngwood, Pa.

Canadian Westinghouse Co. Ltd., Lamp Division, 3350 Blvd. Royale, P.O. Box 1057, Three Rivers, Que.

Canadian Wilbur B. Driver Co. Ltd., 50 Ronson Drive, Rexdale, Ont. Representing:  
H. Clarke & Co. (Manchester) Ltd., Manchester, England.

Canavia Engineering & Sales Co., Malton, Ont. Representing:  
Falcon Machine & Tool Inc., Cambridge, Mass.  
Found Brothers Aviation Ltd., Malton, Ont.  
Magtrol Inc., Buffalo, N.Y.  
Micro-Poise Engineering & Sales Co., Detroit, Mich.  
National Instrument Laboratory, Washington, D.C.  
Perdeck Solder Products Ltd., Waltham Abbey, Essex, Eng.  
Robbins Aviation Inc., Los Angeles, Calif.  
Wells Industries Corp., North Hollywood, Calif.

Cannon Electric Canada Ltd., 160 Bartley Drive, Toronto 16, Ont. Representing:  
Advance Relays, Burbank, Calif.  
Capacitors of Canada Ltd., 36 Upton Rd., Scarborough, Ont.  
Carbide Chemicals Co., Div. of Union Carbide Canada Ltd., 40 St. Clair Ave. E., Toronto, Ont.  
Carriere and MacFeeters Ltd., 936 Warden Ave., Scarborough, Ont. Representing:  
Kenyon Instrument Co., Brewster, N.Y.  
United States Gauge Div., American Machine & Metals Inc., Sellersville, Pa.

Carter Ltd., James B., Mulvey & Osborne St., P.O. Box 962, Winnipeg, Man. Representing:  
Accurate Parts Inc., Kokomo, Ind.  
American Bosch Corp., Springfield 7, Mass.  
Anaconda American Brass Co. Ltd., New Toronto, Ont.

Binks Manufacturing Co., Toronto 18, Ont.  
Bussman Manufacturing Co., St. Louis 7, Mo.  
Drake Electric Works Inc., Chicago, Ill.  
Flexonics Corp. of Canada Ltd., Brampton, Ont.  
Lamsan & Sessions Co., Cleveland 9, Ohio.  
Lisle Corp., Clarinda, Iowa.  
L. Martin Co., New York 17, N.Y.  
Martin Wells Inc., Los Angeles, Calif.  
Wittek Manufacturing Co., Chicago 23, Ill.

Cave & Co. Ltd., 1050 West 6th Ave., Vancouver 9, B.C. Representing:  
J. T. Baker Chemical Co., Phillipsburg, N.J.  
Despatch Oven Co., Minneapolis, Minn.  
Nelson Vacuum Pump Co., Berkeley 10, Calif.

Central Canada Ltd., 669 Bayview Ave., Toronto, Ont.  
Central Bridge Co. Ltd., West St., Trenton, Ont.  
Central Dynamics Ltd., 147 Hymus Blvd., Pointe Claire, Que.  
Central Scientific Co. of Canada, Ltd., 146 Kendal Ave., Toronto 4, Ont. Representing:  
Despatch Oven Company, Minneapolis, Minn.  
Century Electric Co., 420 McGill St., Montreal, Que. Representing:  
Rank Cintel Ltd., London, S.E. 28, England.  
Ceri-Dale, Limited (formerly Canadian Electric Resistors Ltd.), 18 Curty Ave., Toronto 16, Ont. Representing:  
The British Electric Resistance Co., Ltd., Enfield, Middlesex, England.  
Dale Products Inc., Columbus, Neb.  
Chaput Ltd., Paul, 2626 Bates Rd., Montreal 24, Que. Representing:  
Montgomery Mfg. Co., Owensville, Ind.

Chemical & Industrial Sales Ltd., 8035-102nd St., Edmonton, Alta. Representing:  
Robertshaw-Fulton Controls Co., Aeronautical & Instrument Div., Anaheim, Calif.  
Chisholm Industries Ltd., Electronic Ave., Port Moody, B.C.  
Cinch Manufacturing Co., Gage Ave. & Beach Rd., Hamilton, Ont. Representing:  
Cinch Manufacturing Co., Chicago 24, Ill.  
Clairtone Sound Corporation Ltd., 118 Rivalda Rd., Weston, Ont. Representing:  
Granco Products Inc., Long Island City, N.Y.  
Irel, Milan, Italy.  
Kinematix Inc., Chicago, Ill.

Clare Canada Ltd., C. P., P.O. Box 134, 2700 Jane St., Downsview, Ont.  
Clark Ltd., Alex L., 3751 Bloor St. W., Islington, Ont. Representing:  
Audio Devices Inc., New York 22, N.Y.  
Audio Instrument Co. Inc., New York 11, N.Y.  
Berndt-Bach Inc., Hollywood 38, Calif.  
Glaser-Steers Corp., Newark 4, N.J.  
Goldberg Bros., Denver, Colo.  
Harman-Kardon Inc., Westbury, L.I., N.Y.  
Houston-Fearless Corp., Los Angeles 64, Calif.  
Jas. B. Lansing Sound Inc., Los Angeles 39, Calif.  
Magnasync Mfg. Co., North Hollywood, Calif.  
Magnecord Division of Midwestern Instruments, Tulsa, Okla.  
Photo Research Corp., Hollywood 38, Calif.  
Viking of Minneapolis, Minneapolis, Minn.

Clary Multiplier of Canada Ltd., 979 O'Connor Drive, Toronto 16, Ont.  
Cobas Equipment Co., 1103 Yonge St., Toronto, Ont.  
Cohen Ltd., William, 8900 Tanguay St., Montreal, Que. Representing:  
Automatic Radio Co., Toronto, Ont.  
American Electronics Co., New York, N.Y.

CBC Electronics Co., Inc., Philadelphia 33, Pa.  
Colman Electronics Co., Amarillo, Texas.  
Eby Sales Co., New York, N.Y.  
Edlen Inc., Bethesda, Md.  
Kingston Industries Inc., Medfield, Mass.  
Lindsay Antenna & Specialty, Lindsay, Ont.  
Newcastle Fabrics Corp., Brooklyn, N.Y.  
Pitt Distributing Co., Toronto, Ont.  
Precision Electronics Co., Franklin Park, Ill.  
Pyramid Electric Co., Union City, N.J.  
Superex Electronics Corp., Yonkers, N.Y.

Collin Manufacturing Co. Ltd., 5 Thorpe St. N., Dundas, Ont.  
Collins Radio Co. of Canada Ltd., 11 Bermondsey Rd., Toronto 16, Ont.  
Computing Devices of Canada Ltd., P.O. Box 508, Ottawa 4, Ont. Representing:  
All American Tool & Manufacturing Co., Skokie, Ill.  
Allison Laboratories Inc., Puente, Calif.  
American Research Corp., Farmington, Conn.  
Bell and Howell, Chicago, Ill.  
Bendix Aviation Corp.:  
Cincinnati Division, Cincinnati, Ohio.  
Computer Division, Los Angeles, Calif.  
Friez Division, Baltimore, Md.  
Pacific Division, North Hollywood, Calif.  
Radio Division, Baltimore, Md.  
Red Bank Division, Eatontown, N.J.  
Research Division, Detroit, Mich.  
Benson-Lehner Corp., Los Angeles, Calif.  
Clary Corporation, San Gabriel, Calif.  
Dekko Cameras Limited, East Acton, London, England.  
Dynatron Limited, Maidenhead, Berks., England.  
Ekko Electronics Limited, Southend-on-Sea, Essex, Eng.  
Epsco Inc., Boston, Mass.  
Epsylon Industries Ltd., Flitham, Middlesex, England.  
Flight Research Inc., Richmond, Va.  
Friden Calculating Machines Co. Inc., San Leandro, Calif.  
Hermes Electronics Co. (formerly Hycon-Eastern Inc.), Cambridge, Mass.  
Huber Industries Inc., Cincinnati, Ohio.  
Microdyne, Chicago, Ill.  
Nistri-O.M.I. Corp., Rome, Italy.  
North Eastern Engineering Inc., Manchester, N.H.  
Red Lake Laboratories, Mahopac, N.Y.  
Reeves Instrument Corp., New York, N.Y.  
Teletronics Inc., Westbury, L.I., N.Y.  
Traid Corp., Encino, Calif.  
Vanguard Instruments Inc., Valley Stream, N.Y.  
Vinten Limited, London, N.W., England.

Consolidated Diesel Electric Corp. of Canada Ltd., 23 Racine Rd., Rexdale, Ont. Representing:  
Consolidated Avionics Corp., Westbury, L.I., N.Y.  
Consolidated Controls Corp., Bethel, Conn.  
Consolidated Diesel Electric Corp., Stamford, Conn.  
Hammond Valve Corp., Hammond, Ind.  
The Lima Electric Motor Co., Inc., Lima, Ohio.

Consolidated Electronic Equipment Co. Ltd., 94 Sheppard Ave. West, Willowdale, Ont. Representing:  
Curtiss-Wright Corp., Carlstadt, N.J.  
Garde Manufacturing Co., Cumberland, R.I.  
S. Smith & Sons (Canada) Ltd., Don Mills, Ont.

Consolidated Mining & Smelting Co. of Canada Ltd., The, 215 St. James St. W., Montreal 1, Que.  
Constans Co. of Canada Ltd., The, 280 Regina Ave., Montreal 19, Que.

Constellation Components Co., 136 Tower Drive, Scarborough, Ont. Representing:  
Automatic Thermo Sales & Mfg. Ltd., Toronto, Ont.  
Autotronics Inc., Florissant, Mo.  
Electro Development Corp., Seattle, Wash.  
Engel and Gibbs Ltd., Boreham Wood, Herts., England  
Licon Switch Div., Illinois Tool Works, Chicago, Ill.  
Moog Servo Controls Inc., East Aurora, N.Y.  
Muirhead Instruments, Stratford, Ont.  
Torsion Balance Co., Clifton, N.J.

Continental-Diamond Fibre of Canada Ltd., 46 Hollinger Rd., Toronto 16, Ont. Representing:  
Continental-Diamond Fibre Corp., Newark, Delaware.

Control Equipment Co., 105 Por Royal St. W., Montreal, Que. Representing:  
Barber-Colman Co., Rockford, Ill.

Conway Electronic Enterprises Reg'd, 1514 Eglinton Ave. W., Toronto 10, Ont. Representing:  
Ace Electronic Associates Inc., Somerville 44, Mass.  
Acton Laboratories Inc., Acton, Mass.  
American Electronic Laboratories Inc., Phila. 6, Pa.  
Bailey Meters & Controls Ltd., Croydon, Surrey, England.  
British Physical Laboratories, Radlett, Herts., England.  
Diamond Antenna & Microwave Corp., Wakefield, Mass.  
Elsin Electronics Corp., Syosset, N.Y.  
Eddystone Company Ltd., Birmingham 31, England.  
Electrical Instrument Co. Ltd., Glasgow, Scotland.  
Freed Transformer Co. Inc., Brooklyn 27, N.Y.  
General Resistance Inc., New York 55, N.Y.  
W. Harrison, Midge Hall, nr. Preston, Lancs., England.  
Hartley Products Co., New York 51, N.Y.  
Isotope Developments Ltd., London, E.C. 2, England.  
Kasama Company Ltd., Kelowna, B.C. 1, England.  
Kelvin Electric Co., Van Nuys, Calif.  
Labgear Ltd., Cambridge, Eng.  
The Magnavox Company, Fort Wayne 4, Ind.  
Medelec Ltd., Woking, Surrey, England.  
Metra Instruments Corp., Prague, Czechoslovakia.  
Micro-Methods Ltd., East Ardley, Wakefield, Yorks., England.  
New London Instrument Co., New London, Conn.  
Nutron Mfg. Co. Inc., Staten Island, N.Y.  
W. G. Pye Co. Ltd., Cambridge, England.  
Rainbow Radio Mfg. Co. Ltd., Blackburn, Lancs., England.  
The Range Electronics Co. Ltd., London, E. 15, England.  
W. H. Sanders (Electronics) Ltd., London, W. 1, England.  
Southern Instruments Ltd., Camberley, Surrey, England.  
Stratton & Co. Ltd., Birmingham 31, England.  
Taber Instrument Corp., North Tonawanda, N.Y.  
Taylor Electrical Instruments Ltd., Slough, Bucks., England.  
Universal Atomics Corp., Westbury, L.I., N.Y.  
Universal Transistor Products Corp., Westbury, L.I., N.Y.  
Waltham Electronics Corp., Waltham, Mass.

Cooper & Co. Ltd., W. H., 1103 Yonge St., Toronto, Ont. Representing:  
Auto Products, St. Louis, Mo.  
Cobas Equipment Co., Toronto, Ont.  
Crypton Equipment Ltd., Bridgewater, Somerset, Eng.  
Hoyt Electrical Instrument Works, Cambridge 42, Mass.  
Mueller Electric Co., Cleveland 14, Ohio.

Cords (Canada) Ltd., 149 Sterling Rd., Toronto, Ont. Representing:  
Heyman Mfg. Co., Kenilworth, N.J.

**Cosa Corp. of Canada Ltd.**,  
1160 Lakeshore Rd.,  
Toronto 14, Ont. Representing:  
AB Arboga Maskiner,  
Arboga, Sweden.  
Andre Bechler Ltd.,  
Moutier, Switzerland.  
Bohner & Kohle  
Maschinenfabrik,  
Esslingen/Neckar, Germany.  
C. Boley, Esslingen/Neckar,  
Germany.  
Friedrich Deckel, Munich 25,  
Germany.  
Esco S. A., Les Geneveys  
a/Coffrane, Switzerland.  
Fortuna Werke A.G., Stuttgart-  
Bad Cannstatt, Germany.  
Maschinenfabrik Friep  
G.m.b.H., Rheydt/Rhld.,  
Germany.  
Gruedelbach & Schuetter,  
Buschhuette, Siegen, Germany.  
F. F. Hager & Son, Queens  
Village 9, L.I., N.Y.  
Jos. Koepfer & Soehne  
G.m.b.H., Furtwangen/Baden,  
Germany.  
Lindeteves-Jacoberg N.V.,  
(A.I.), Amsterdam-C., Holland.  
Maschinenfabrik Lorenz A.G.,  
Ettlingen-Baden, Germany.  
AB Malcus Holmquist,  
Halmstad, Sweden.  
Oerlikon Machine Tool Works,  
Buehrle & Co., Oerlikon,  
Zurich 50, Switzerland.  
Pittler Maschinenfabrik A.G.,  
Langen, Bez. Ffm., Germany.  
Reishauer Tool Works Ltd.,  
Zurich, Switzerland.  
Rezolin Inc., Santa Monica, Cal.  
Rigid Ltd., Rorschach,  
Switzerland.  
AB Rosenfors Bruk,  
Rosenfors, Sweden.  
Schulze & Naumann, Essen,  
Germany.  
Fritz Studer A.G., Glockenthal-  
Thun, Switzerland.  
Maschinenfabrik Weingarten  
A.G., Weingarten/Wuertt.,  
Germany.  
WGW G.m.b.H., Bochum,  
Germany.  
WOTAN-Werke G.m.b.H.,  
Duesseldorf-Holthausen,  
Germany.

**Cowper Co. Ltd.**, 515 Fourth Ave.,  
Lachine, Montreal 32, Que. Rep.:  
Skinner Electric Valve Div.,  
New Britain, Conn.

**Crane Packing Co. Ltd.**,  
617 Parkdale Ave. N.,  
Hamilton, Ont. Representing:  
Crane Packing Co.,  
Morton Grove, Ill.

**Crawford Associates, Allan**,  
P.O. Box 214, Willowdale, Ont.  
Representing:  
Electronic Associates Inc.,  
Long Branch, N.J.  
Electronics International Co.,  
Burbank, Calif.  
John Fluke Mfg. Co., Inc.,  
Seattle 99, Wash.  
Riggs Nuclonics Corp.,  
Burbank, Calif.  
Technical Measurement Corp.,  
North Haven, Conn.  
Weinisch Engineering,  
Kensington, Md.

**Crawford Radio, The**,  
P.O. Box 617-119-121 John St. N.,  
Hamilton, Ont. Representing:  
Aerovox Canada Ltd.,  
Hamilton, Ont.  
Amphenol Canada Ltd.,  
Toronto, Ont.  
Bach-Simpson Ltd.,  
London, Ont.  
Barker & Williamson, Inc.,  
Bristol, Pa.  
Canadian Astatic Ltd.,  
Toronto, Ont.  
Centralab Canada Ltd.,  
Toronto, Ont.  
General Cement Mfg. Co.,  
Rockford, Ill.  
Hallcrafters, Chicago, Ill.  
Hammarlund Mfg. Co.,  
Hamilton, Ont.  
Hammond Mfg. Co.,  
Guelph, Ont.  
IRC Resistors Div. of Renfrew  
Electric Co. Ltd., Toronto, Ont.  
E. F. Johnson Co.,  
Waseca, Minn.  
P. R. Mallory & Co., Inc.,  
Indianapolis, Ind.  
Multi-Products Co.,  
Oak Park 37, Mich.  
Potter & Brumfield Canada  
Ltd., Guelph, Ont.  
Sanwa Meters, Vancouver, B.C.

**Croname (Canada) Ltd.**  
50 Taylor St., Waterloo, Que.  
**Crothers Ltd., Geo. W.**  
1101 Millwood Rd., Toronto 17, Ont.  
Representing:  
Caterpillar, Peoria, Ill.  
Kato Engineering Co.,  
Mankato, Minn.  
Kohler, Sheboygan, Wis.  
**Crothers Manufacturing, 772**  
Warden Ave., Scarborough, Ont.  
Representing:  
Kato Engineering Co.,  
Mankato, Minn.  
**Croven Limited**,  
Beech St., Whitby, Ont.  
**Crown Controls Mfg. Co. Ltd.**,  
139 Dundas St., Kitchener, Ont.  
**Crystal Glass & Plastics Ltd.**,  
130 Queen's Quay East,  
Toronto, Ont. Representing:  
Westlake Plastics Co.,  
Lenni Mills, Pa.  
**Cushing & Neveil Ltd.**, 181  
Eglinton Ave. E., Toronto 12, Ont.

## D

**D & B Sound and Signals Inc.**,  
39 Notre Dame St. East,  
Montreal 1, Que. Representing:  
Autophone Ltd., London,  
S.W. 8, England.  
J. Bosshard, Lausanne,  
Switzerland.  
Cincinnati Time Recorder Co.,  
Cincinnati 14, Ohio.  
S. H. Couch Co. Inc.,  
North Quincy 71, Mass.  
General Signal & Time Systems  
Ltd., London, S.W. 1, England.  
Lustraphone Ltd., London,  
N.W. 1, England.  
Rauland-Borg Corp.,  
Chicago 18, Ill.  
Daly Capacitors Ltd., 140 Kendal  
Ave., Toronto 4, Ont. Rep.:  
Daly (Condensers) Ltd.,  
London, W. 5, England.  
**Dalyn Industries**, 353 St. Nicholas  
St., Montreal, Que.  
**Darcy Ltd., J. H.**, 51 Abbott St. N.,  
Smiths Falls, Ont.  
**Daveco Agencies Ltd.**,  
5544 Isabella Ave., Montreal  
29, Que. Representing:  
Aike Electric Co. Ltd.,  
Tokyo, Japan.  
Heinrich Henry & Co.,  
Wien VII, Austria.  
Hosoda Trading Co.,  
Tokyo, Japan.  
Kobayashi Meter Works,  
Osaka, Japan.  
Gebr. Merten, Gummersbach,  
Rheinland, Germany.  
Osaka Onkyo Co. Ltd.,  
Osaka, Japan.  
Helmut K. Pinsch,  
Hamburg, Germany.  
Radioton, Berlin S.W. 61,  
Germany.  
Seco Manufacturing Co. Ltd.,  
Minneapolis 19, Minn.  
Seisin Trading Co. Ltd.,  
Tokyo, Japan.

**Davis Automatic Controls Ltd.**,  
4251 Dundas St. W., Toronto 18,  
Ont. Representing:  
Alco Valve Co., St. Louis 5, Mo.  
Automatic Switch Co.,  
Florham Park, N.J.  
Davis Regulator Co.,  
Chicago 8, Ill.  
Eagle Signal Corp., Moline, Ill.  
Furnas Electric Co.,  
Batavia, Ill.  
Gleason-Avery Inc.,  
Auburn, N.Y.  
Hagen Manufacturing Co.,  
Baraboo, Wis.  
Hammond Manufacturing Co.  
Ltd., Guelph, Ont.  
O. C. Keckley Co., Skokie, Ill.  
The Mercold Corp.,  
Chicago 41, Ill.  
C. F. Warrick Co.,  
Berkley, Mich.  
West Instrument Corp.,  
Chicago 41, Ill.

**Dawe Instruments Ltd. (Canadian  
Div.)**, 1654 Bank St., Ottawa, Ont.  
**Dayrand Ltd.**, 4612 St. Catherine  
St. W., Montreal 6, Que. Rep.:  
Amco Engineering Co.,  
Chicago 31, Ill.  
Dielectric Products Engineering  
Co., Inc., Raymond, Me.  
Phelps Dodge Copper Products  
Corp., New York 22, N.Y.  
Carl W. Schutter Microwave  
Corp., Lindenhurst, N.Y.

**Daystrom, Ltd.**, 840 Caledonia Rd.,  
Toronto, Ont. Representing:

Daystrom Instrument,  
Archbald, Pa.  
Daystrom Pacific,  
Los Angeles, Calif.  
Daystrom Systems,  
La Jolla, Calif.  
Daystrom Transicoll,  
Worcester, Pa.  
Daystrom Weston — Industrial  
Div., Poughkeepsie, N.Y.  
Daystrom Weston — Industrial  
Gauge Div., W. Englewood, N.J.  
Heath Co., Benton Harbor, Mich.  
Weston Instruments,  
Newark, N.J.

**Decca Radar (Canada) Ltd.**,  
23 Six Points Rd., Toronto 18,  
Ont. Representing:  
Decca Radar Ltd., London,  
S.E. 11, England.

**Delhi Metal Products Ltd.**,  
Waverly St., Delhi, Ont. Rep.:  
Kay Townes Antenna Co.,  
Rome, Ga.  
Spaulding Products Co.,  
Frankfort, Ind.  
Telrex Labs., Asbury Park, N.J.

**Dell Radio Telephone Ltd.**,  
1960 Dorchester St. West,  
Montreal, Que. Representing:  
Aeronautical Electronics Inc.,  
Raleigh, N.C.

**Delta Aircraft Equipment Ltd.**,  
1798A Avenue Rd., Toronto 12,  
Ont. Representing:  
Great Lakes Manufacturing  
Corp., Cleveland 21, Ohio.  
Revere Corp. of America,  
Wallingford, Conn.  
Tranco Products Inc.,  
Los Angeles, Calif.

**Demers Elec. Equipment Ltd. H.**,  
885 Gosford St., Montreal, Que.  
Representing:  
Fasco Industries, Inc.,  
Rochester 5, N.Y.

**Deskin Sales Co. A.**, 1091  
Shorecrest (14th) St., St. Martin,  
Montreal 40, Que. Representing:  
Aeronautical Electric Co.,  
Chicago, Ill.  
Allard Instruments Inc.,  
Mineola, N.Y.  
Excellex Electronics, Inc.,  
Woodside, N.Y.  
Hilburn Electronic Products  
Co., Brooklyn 22, N.Y.  
Nylon Molding Corp.,  
Garwood, N.J.  
Precision Metal Products,  
Stoneham, Mass.  
Tech Laboratories, Inc.,  
Palsades Park, N.J.  
Union Electronics & Machine  
Corp., Wakefield, Mass.  
Valor Electronics, Inc.,  
Gardena, Calif.  
Westbury Electronics (Canada)  
Ltd., Montreal, Que.

**Desser E-E Ltd.**, 441 St. Francois  
Xavier St., Montreal, Que. Rep.:  
American Electric Cable Co.,  
Holyoke, Mass.  
Atlantic Conduit Fittings Co.,  
Boston, Mass.  
Atlas E-E Corp., Woburn, Mass.  
Beck Electric Mfg. Ltd.,  
Toronto 7, Ont.  
Electro-Mechanical Instrument  
Co., Perkaskie, Pa.  
Electronic Components Ltd.,  
Toronto, Ont.  
Eric Engineering, Santa  
Monica, Calif.  
General Transistor Corp.,  
Jamaica, N.Y.  
General Transistor Western  
Corp., Los Angeles, Calif.  
Glassexport, Prague,  
Czechoslovakia.  
Gremar Mfg. Co.,  
Wakefield, Mass.  
Kulka Electric Mfg. Co.,  
Mount Vernon, N.Y.  
London Electrical Mfg. Co.,  
London, England.  
United Electronic  
Manufacturing Corp.,  
Union City, N.J.  
Utah Radio Products Corp.,  
Huntington, Ind.  
Vis-U-All Products Co.,  
Grand Rapids 6, Mich.  
Vocaline Co. of America, Inc.,  
Old Saybrook, Conn.  
Vokar Co., Ann Arbor, Mich.

**Deutz Diesels (Canada) Ltd.**,  
619 Notre Dame St. W.,  
Montreal 3, Que. Representing:  
Kato Engineering Co.,  
Mankato, Minn.  
Kloekner-Humboldt-Deutz  
A.G., Cologne-Deutz,  
Western Germany.

**DeVilbiss (Canada) Ltd.**,  
Wood St., Barrie, Ont.

**Diamond Specialty Limited**,  
Windsor, Ont. Representing:  
Diamond Power Specialty Corp.,  
Electronics Div.,  
Lancaster, Ohio.

**Dictaphone Corporation Ltd.**,  
204 Eglinton Ave., E., Toronto,  
Ont. Representing:  
Dictaphone Co. Ltd.,  
London, W. 1, England.  
Dictaphone Corporation,  
New York, N.Y.

**Diversified Research & Sales Ltd.**,  
151 Belfield Rd., Rexdale, Ont.  
Representing:  
Grafo Colloids Corp.,  
Sharon, Pa.

**Dixon Brothers Electric &  
Supply Co. Ltd.**, 250 St. Charles  
St., Sudbury, Ont. Representing:  
D. W. Onan & Son, Inc.,  
Minneapolis 14, Minn.

**Doldge, W. H.**, 502 Askin Blvd.,  
Windsor, Ont. Representing:  
Pelree Dictation Systems,  
Chicago 31, Ill.

**Domac Technical Sales Ltd.**,  
1950 Bank St., Ottawa, Ont. Rep.:  
Northern Radio Mfg. Co. Ltd.,  
New York City, N.Y.  
James S. Spivey, Inc.,  
Washington 14, D.C.

**Dominion Aluminum Fabricating  
Ltd.**, 10 Juliard Rd.,  
Toronto 18, Ont.

**Dominion Electric Manufacturing  
Co. Ltd.**, 60 Leslie St.,  
Toronto 8, Ont.

**Dominion Electrohome Industries  
Ltd.**, 283 Duke St. W., Kitchener,  
Ont. Representing:  
Universal Electric Co.,  
Owosso, Mich.

**Dominion Electrohome Industries  
Ltd.**, Technical Products Div.,  
140 Mansion St., Kitchener, Ont.  
Representing:  
Electronic Control Corp.,  
Detroit 7, Mich.  
Machinery Electrification Inc.,  
Northboro, Mass.  
Radio Heater Limited (Radyne),  
Wokingham, Berks., England.  
Radiovisor Parent Ltd., London,  
S.W. 19, England.  
Trumeter Co. Ltd., Manchester,  
Lancs., England.

**Dominion Fasteners, Ltd.**, 686  
Parkdale Ave. N., Hamilton, Ont.  
Representing:  
Geo. A. Tinnerman Corp.,  
Cleveland, Ohio.  
Tinnerman Products, Inc.,  
Cleveland, Ohio.

**Dominion Machinery &  
Equipment Co. Ltd.**, 56 New  
Gower St., St. John's, Nfld.  
Representing:  
Canada Wire & Cable Co. Ltd.,  
Montreal, Que.  
Electro Vox Inc.,  
Montreal, Que.  
Red Comet of Canada Ltd.,  
Montreal, Que.

**Dominion Watch Case, Ltd.**,  
218 Walmer Rd., Toronto, Ont.  
Representing:  
American Time Products, Inc.,  
New York, N.Y.  
Douceffe, Leo J., 87 King St.,  
Winnipeg, Man. Representing:  
Bogen-Fresto Co.,  
Paramus, N.J.

**Douglas Engineering Co.**,  
195 Bridgeland Ave.,  
Toronto 19, Ont. Representing:  
The Peerless Electric Co.,  
Warren, Ohio.

**Dow Corning Silicones Ltd.**,  
1 Tippet Rd., Downsview, Ont.  
Representing:  
Emerson Plastics Corp.,  
Bronx 61, N.Y.  
Dresser Electric Ltd., 877 Walker  
Rd., Windsor, Ont.  
Drexel Co. Ltd., F., 656 Evans  
Ave., Vancouver 4, B.C. Rep.:  
The Mercold Corp.,  
Chicago, Ill.

**DuPar (Canada) Ltd.**,  
Kitchener, Ont. Representing:  
Dewhurst & Partner Ltd.,  
Hounslow, Middlesex, England.

**Du Pont of Canada Limited**,  
1135 Beaver Hall Hill,  
Montreal, Que.

**Dycon Ltd.**, 25 Carson St.,  
Toronto 14, Ont. Representing:  
Atkomatic Valve Co.,  
Indianapolis, Ind.  
Atlas Valve Co., Newark 5, N.J.

Auto-Ponents Inc. (formerly Pneu-Trol Div.), Chicago 51, Ill.  
 Bruning Co., Lincoln, Neb.  
 Dynex Inc., Penauklee, Wis.  
 Andrew Fraser and Co. Ltd., London, S.W. 1, England.  
 Gresen Mfg. Co., Minneapolis 18, Minn.  
 Industrial Engineering Corp., Louisville, Ky.  
 Lenz Co., Dayton, Ohio.  
 Marvel Engineering Co., Chicago, Ill.  
 Skinner Electric Valve Div., New Britain, Conn.

**E**

E.C.C. Canada Limited, 66 Colville Rd., Toronto 15, Ont. Rep.:  
 The Electric Construction Co. Ltd., Wolverhampton, England.  
 George Ellison Ltd., Birmingham, England.  
 Nalder Bros. & Thompson Ltd., London, England.  
 Switchgear & Equipment Ltd., Banbury, England.  
 Tufnol Ltd., Birmingham, Eng.  
**EFCO-Lindberg, Ltd.**, 15 Pelham Ave., Toronto, Ont. Rep.:  
 Lindberg Engineering Co., Chicago, Ill.  
**E.M.I.-Cosor Electronics Ltd.**, 2006 MacKay St., Montreal, Que. Representing:  
 Associated Electrical Industries (A.E.I.), Rugby, England.  
 A. C. Cosor Ltd., London, N.W., England.  
 Dawe Instruments Ltd., London, W. 5, England.  
 Electrical and Musical Industries Ltd., Hayes, Middlesex, England.  
 Rank Cintel Ltd., London, S.E. 26, England.  
 Spencer Kennedy Laboratories, Inc., Boston, Mass.  
 Whiteley Electrical Radio Co. Ltd., Mansfield, Notts., England.  
**E-T-A Products of Canada Ltd.**, 265 Craig St. W., Montreal, Que.  
**EV of Canada Ltd.**, 73 Crockford Blvd., Scarborough, Ont.  
**Eberdt Co.**, 7709 St. Lawrence, Montreal, Que. Representing:  
 Gebr. Ruhstrat, Göttingen, Western Germany.  
**Eclipse Electronics Co.**, 153 Logan Ave., Toronto 8, Ont.  
 Edison Industries, Thomas A. McGraw-Edison Co. (Canada) Ltd., 32 Front St. W., Toronto 1, Ont. Representing:  
 Thomas A. Edison Inc., Orange, N.J.  
 Mohawk Business Machines Corp., Brooklyn 33, N.Y.  
**Ede (Canada) Ltd.**, P.O. Box 97, Highway No. 2, East Front, Cornwall, Ont.  
**Edwards High Vacuum (Canada) Ltd.**, P.O. Box 515, Cumberland Ave., Burlington, Ont. Rep.:  
 Edwards High Vacuum Ltd., Crawley, Sussex, England.  
 S.A.E.S., Getters, Milan, Italy.  
**Elder Electronics**, 3220 Robert St., Burlington, Ont. Representing:  
 AMCO Engineering Co., Chicago 31, Ill.  
 CIRC0 Ultrasonic Corp., Clark, N.J.  
 Instron Engineering Corp., Canton, Mass.  
 Electronic Products Div., Post Machinery Co., Beverly, Mass.  
 Radio Frequency Co. Inc., Medfield, Mass.  
 Rust Industrial Co., Manchester, N.H.  
**Electric Chain Co. of Canada Ltd.**, The, 86 Bathurst St., Toronto 2B, Ont.  
**Electric Insulation & Fibre Co. Ltd.**, 24 Mendota Rd., Toronto 14, Ont. Representing:  
 Bentley-Harris Mfg. Co., Conshohocken, Pa.  
**Electric Storage Battery Co. (Canada) Ltd.**, 2301 Dixie Rd., (P.O. Box 907, Postal Station "U"), Toronto 18, Ont.  
**Electrical Enterprises**, P.O. Box 514, Regina, Sask. Representing:  
 Western Insulated Wire Co., Los Angeles 58, Calif.  
**Electrical Industries, Ltd.**, 10544-115th St., Edmonton, Alta. Representing:  
 Automatic Switch Co., Florham Park, N.J.

**Electrical Mfg. Co. Ltd.**, P.O. Box 1300, Montmagny, Que.  
**Electrodesign**, 736 Notre Dame St. W., Montreal, Que. Rep.:  
 Alford Manufacturing Co., Boston, Mass.  
 Allison Labs., La Puente, Calif.  
 American Rectifier Corp., New York, N.Y.  
 Arnold Magnetics Corp., Los Angeles 16, Calif.  
 Atlas-Werke, Bremen, Germany.  
 Bergen Laboratories Inc., Clifton, N.J.  
 Branson Instruments & Ultrasonics Inc., Stamford, Conn.  
 California Technical Industries Div. of Tectron Inc., Belmont, Calif.  
 Chassis-Trak, Inc., Indianapolis, Ind.  
 Crescent Engineering & Research Co., El Monte, Calif.  
 Cubic Corp., San Diego 11, Calif.  
 Dynapar Corp., Skokie, Ill.  
 Electro-Flex Heat, Inc., Hartford, Conn.  
 ESC Corporation, Palisades Park, N.J.  
 Farmer Electric Products Co. Inc., Newton Lower Falls, Mass.  
 Feedback Controls, Inc., Natick, Mass.  
 Franklin Electronics Inc., Bridgeport, Pa.  
 Industrial Test Equipment, New York 3, N.Y.  
 Infra Red Development Corp., Welwyn Garden City, Herts., England.  
 Instruments for Industry, Inc., Hicksville, N.Y.  
 Jordan Electronics, Alhambra, Calif.  
 Manson Laboratories, Inc., Stamford, Conn.  
 Metrawatt, Nurnberg, Germany.  
 Nagard Ltd., Belmont, Surrey, England.  
 Optimized Devices, Inc., Thornwood, N.Y.  
 Pacific Technical Co., Los Angeles 25, Calif.  
 Quan-Tech Labs., Morristown, N.J.  
 Radiation Research Corp., New York 21, N.Y.  
 Sherman Industrial Electronics Div. of Engineering Design, Inc., State College, Pa.  
 Siemens & Halske, Munich 8, Germany.  
 Southern Electronics Corp., Burbank, Calif.  
 Systron Corp., Concord, Calif.  
 Tempo Instrument Inc., Hicksville, L.I., N.Y.  
 Theta Instrument Corp., East Paterson, N.J.  
 Ultradyne, Inc., Albuquerque, N.M.  
 Van Norman Industries, Electronics Div., Manchester, N.H.  
 Vari-L Co., Inc., Stamford, Conn.  
 Zacharias Electronic Corp., Livingston, N.J.  
**Electrolabs**, 7385 St. Lawrence Blvd., Montreal, Que. Rep.:  
 Accurate Electronics Corp., Elyria, Ohio.  
 Aerolite Electronics Corp., Union City, N.J.  
 Barnett Instrument Co., Clarksville, Tenn.  
 S. G. Brown Ltd., Watford, Herts., England.  
 Chicago Industrial Instrument Co., Chicago, Ill.  
 Clive Courtenay & Co. Ltd., Dorking, Surrey, England.  
 Kellogg Switchboard & Supply Co., Passaic, N.J.  
 National Ultrasonic Corp., Irvington, N.J.  
 Onondaga Pottery Co., Syracuse, N.Y.  
 Photovolt Corp., New York City, N.Y.  
 Statham Development Corp., Los Angeles, Calif.  
 Sutherland, Griffith & Kerr, Montreal, Que.  
 Venner Electronics Ltd., New Malden, Surrey, England.  
 W. M. Welch Scientific Co., Chicago, Ill.  
**Electrolite Television Equipment Inc.**, Room 110, 5767 Decelles Ave., Montreal 28, Que. Representing:  
 Ad-Yu Electronics Lab., Inc., Passaic, N.J.  
 Applied Research Inc., Port Washington, N.Y.

**Entron Inc.**, Bladensburg, Md.  
**Giant-View Closed Circuit Television Network**, Ferndale 20, Mich.  
 Multitone of Canada Ltd., Toronto 7, Ont.  
 Ribet-Desjardins, Montrouge (Seine), France.  
 SEG Electronics Co., Inc., Brooklyn 10, N.Y.  
 Television Utilities Corp., Corona 68, N.Y.  
 Texan Translator & TV Network, San Antonio 2, Texas.  
 Underwood-Canoga, Van Nuys, Calif.  
**Electromation Ltd.**, Malvern, Ont. Representing:  
 Universal Electronics Co., Santa Monica, Calif.  
**Electromechanical Products**, Markham Rd., Agincourt, Ont. Representing:  
 Advanced Electronics Mfg. Corp., Los Angeles 25, Calif.  
 Atlantic Research Corp., Alexandria, Va.  
 B & F Instruments, Philadelphia, Pa.  
 Behlman Engineering Co., Burbank, Calif.  
 Burr Brown Research Corp., Tucson, Arizona.  
 Century Electronics & Instruments Inc., Tulsa, Okla.  
 Computer-Measurements Co., A Div. of Pacific Industries, Inc., Sylmar, Calif.  
 Electro Instruments Inc., San Diego 11, Calif.  
 Electro-Mechanical Research Inc., Sarasota, Fla.  
 Electron Products, Pasadena, California.  
 Electronic Tube Corp., Philadelphia, Pa.  
 Film Capacitors Inc., New York 56, N.Y.  
 General Communication Co., Boston, Mass.  
 Kistler Instrument Co., North Tonawanda, N.Y.  
 Laboratory for Electronics, Boston 15, Mass.  
 Langham Thompson Ltd., J., Bushey Heath, Watford, Herts., England.  
 Levintal Electronic Products, Palo Alto, Calif.  
 Metronix Inc., Chesterland, Ohio.  
 Miniature Electronic Components Corp., Holbrook, Mass.  
 Nems-Clarke Inc., Silver Spring, Md.  
 Northeast Scientific Corp., Cambridge 38, Mass.  
 Perkin Engineering Corp., El Segundo, Calif.  
 Photon Instrument Co., Cleveland 3, Ohio.  
 Radiation Counter Laboratories, Skokie, Ill.  
 Ruge Associates Inc., Arthur C. Cambridge, Mass.  
 Sage Electronics Corp., Rochester 7, N.Y.  
 Schaewitz Engineering, Pennsauken, N.J.  
**Electronic Associates Limited**, 4616 Yonge St., Willowdale, Ont. Representing:  
 Engineered Electronics Co., Santa Ana, Calif.  
 Ultra-Violet Products, Inc., San Gabriel, Calif.  
**Electronic Associates Ltd.**, (Technical Publications Div.), 105 Willowdale Ave., Willowdale, Ont.  
**Electronic Communications Ltd.**, P.O. Box 88, Station "0", Montreal, Que. Representing:  
 Bliss Electronic Corp., Sussex, N.J.  
**Electronic Components Ltd.**, 14 Plastics Ave., Toronto 18, Ont. Representing:  
 H. B. Sherman Mfg. Co., Battle Creek, Mich.  
**Electronic Controls Ltd.**, 257 Coleman St., Belleville, Ont.  
 Electronic Engineering, 82 Elmwood Ave., Galt, Ont.  
**Electronic Enterprises Ltd.**, 270 Vitre St. W., Montreal, Que. Representing:  
 Nesor Alloy Products, Newark, N.J.  
**Electronic Materials International Ltd.**, 342 Gladstone Ave., Ottawa, Ont.

**Electronic Research & Development Co. Ltd.**, 210-219th Ave. S.E., Calgary, Alta. Rep.:  
 Allen B. DuMont Laboratories Inc., New York, N.Y.  
 Kellogg Switchboard & Supply Co., Chicago, Ill.  
 Lake Manufacturing Co., Inc., Oakland, Calif.  
**Electronic Specialties**, 9 Glen Road, Toronto 5, Ont.  
**Electronic Tube Co.**, 464 McGill St., Montreal, Que. Representing:  
 Multi Products Co., Oak Park 37, Mich.  
**Electronics Corporation of America (Canada) Ltd.**, 104 Advance Rd., Toronto, Ont. Representing:  
 Electronics Corporation of America, Cambridge, Mass.  
**Electro Sonic Supply Co. Ltd.**, 543 Yonge St., Toronto 5, Ont. Representing:  
 Borden Chemical Co., Resinite Dept., North Andover, Mass.  
 Hartley Products Co., New York 51, N.Y.  
 Lansdale Tube Co., Div. of Philco Corp., Lansdale, Pa.  
 Multi Products Co., Oak Park 37, Mich.  
 M. M. Newman Corp., Marblehead, Mass.  
 Pacific Semiconductors, Inc., Culver City, Calif.  
 Partridge Transformers Ltd., Chessington, Surrey, England  
**Electrovert Ltd.**, 265 Craig St. W. Montreal 1, Que. Representing:  
 Akustische u. Kino-Geräte, A.G. Vienna, Austria.  
 Critchley Brothers Ltd., Stroud, Glos., England.  
 Fry's Metal Foundries Ltd., London, S.W. 19, England.  
 Insuloid Manufacturing Co. Ltd., Manchester 22, England  
 Isopad Ltd., Boreham Wood, Herts., England.  
 Londex Ltd., London, S.E. 20, England.  
 Micanite & Insulators Co. Ltd., London, E. 17, England.  
 C. A. Weidmuller KG., Berlebeck bei Detmold, Germany.  
 Zoomar Marketing Corp., Glen Cover, L.I., N.Y.  
**Electro-Vox Inc.**, 2626 Bates Rd. Montreal, Que.  
**Ellis Industries, The J. W.**, 80 Richmond St. E., Toronto 1, Ont. Representing:  
 The British Rototherm Co. Ltd., London, S.W. 19, England.  
 A/S Danbridge, Copenhagen, Denmark.  
 Dipl. Ing. Ulrich Knick, Berlin, West Germany.  
 Hartmann & Braun, A.G., Frankfurt/Main, West Germany.  
 Jaquet Ltd., Baale, Switzerland.  
 Dr. B. Lange, Berlin-Zehlendorf, West Germany.  
 SODECO, Societe des Compteurs de Geneve, Geneva, Switzerland.  
 Herman Wetzler, Pfronten, Bayern Allgaeu, West Germany.  
 "El-Mech", 569 Southworth St., P.O. Box 365, Welland, Ont.  
 El-Met-Parts Ltd., Head St., Dundas, Ont.  
**Empire Engineering Co.**, 738 Dundas St. E., Toronto, Ont. Representing:  
 D. Dowling Ltd., Ilford, Essex, England.  
 H. P. Prels Engraving Machine Co., Hillside 5, N.J.  
**Engelhard Industries of Canada Ltd.**, 512 King St. E., Toronto, Ont. Representing:  
 Amersal Fused Quartz Div., Engelhard Industries Inc., Hillside, N.J.  
 D. E. Makepeace Div., Engelhard Industries Inc., Attleboro, Mass.  
 H. A. Wilson Div., Engelhard Industries Inc., Union, N.J.  
**Engineered Sound Systems Ltd.**, 169 Kipling Ave. S., Toronto 18, Ont. Representing:  
 A. B. Gylling & Co., Stockholm, Sweden.  
 P. & H. Electronics Inc., Lafayette, Ind.  
 Reeves Equipment Corp., Pelham, N.Y.  
 Tandberg Radio, Oslo, Norway.  
 Jay L. Warren & Co., Chicago, Ill.



Lundey Associates Inc., Waltham 54, Mass.  
 Mullard Overseas Ltd., London, W.C. 1, England.  
 Neosid (Canada) Ltd., Toronto 14, Ont.  
 Permonite Manufacturing Co., Chicago 7, Ill.  
 Phelps Dodge Copper Products Corp., Inca Div., Fort Wayne, Ind.  
 D. M. Steward Manufacturing Co., Chattanooga, Tenn.  
 Taylor Electric Inc., Detroit 23, Mich.  
 Taylor Spring & Mfg. Co. Inc., Chicago 20, Ill.  
 Watliff Company Ltd., London, S.W. 19, England.

**Glendon Instrument Company Ltd.**, The, 46 Crockford Blvd., Scarborough, Ont. Representing: Croydon Precision Instruments, West Croydon, Surrey, Eng.  
 Electronic Instrument Ltd., Richmond, Surrey, England.  
 Evans Electro Selenium Ltd., Halstead, Essex, England.  
 Wayne Kerr Laboratories Ltd., Chessington, Surrey, England.

**Gomard Electronics Ltd.**, 180 Chatham St., Hamilton, Ont.  
**Goodrich Canada Ltd.**, B. F., 409 Weber St. W., Kitchener, Ont.  
**Gould-National Batteries of Canada Ltd.**, 1819 Yonge St., Toronto, Ont.  
**Gould Sales Co.**, E. S., 19 Le Royer St. West, Montreal 1, Que. Representing: Audio-Fone Corp., Brooklyn, N.Y.  
 Crown Controls Co. Inc., New Bremen, Ohio.  
 Dalyn Industries, Montreal, Que.  
 Delevan Electronics Corp., East Aurora, N.Y.  
 Dual Record Changers, Toronto, Ont.  
 Dynaco Inc., Phila. 4, Pa.  
 Ferro Dynamics Corp., Lodi, N.J.  
 Geerz & Holm Canada Ltd., Vancouver, B.C.  
 The Hallcrafters Co., Chicago 24, Ill.  
 Hy-Gain Antenna Corp., Lincoln, Neb.  
 Isophon Loudspeakers, Toronto, Ont.  
 Hiram Jones Electronics, Burbank, Calif.  
 Kemode Mfg. Co., New York, N.Y.  
 McCurdy Radio Industries Ltd., Toronto, Ont.  
 McIntosh Laboratories Inc., Toronto, Ont.  
 Mica Corp., Culver City, Calif.  
 Microtran Corp., Valley Stream, L.I., N.Y.  
 North American Electronics Inc., Lynn, Mass.  
 Robins Industries Corp., Flushing, N.Y.  
 San Fernando Electric Mfg Co., San Fernando, Calif.  
 Slip Ring Corp of America, Los Angeles 16, Calif.  
 Tape-Athlon Music Inc., Inglewood, Calif.

**Gray Ltd.**, H. Roy, 46 Danforth Rd., Toronto 13, Ont. Rep.: Canada Cabinets & Furniture Ltd., Kitchener, Ont.  
 Conrac, Inc., Glendora, Calif.  
 Fairchild Recording Equipment Co., Inc., L.I. City 1, N.Y.  
 Measurements Corp., Boonton, N.J.  
 James Millen Mfg. Co., Inc., Malden, Mass.  
 Sherwood Electronic Labs., Inc., Chicago 18, Ill.

**Gray & Co. Ltd.**, W. D., Main & Second Ave., Vancouver, B.C. Representing: Midget Louver Co., Norwalk, Conn.  
**Gray-Bonney Tool Company Ltd.**, 710 St. Clarens Ave., Toronto 4, Ont. Representing: P. A. Sturtevant Co., Addison, Ill.

**Great Lakes Electrical Specialties Ltd.**, Algic Ave., Toronto 18, Ont. Representing: Bussman Mfg. Division, McGraw-Edison Co., St. Louis 7, Mo.  
**Greening Wire Co. Ltd.**, The B., 55 Queen St. North, Hamilton, Ont. Representing: Driver-Harris Co., Harrison, N.J.  
 Griffith, R. S., 455 Mt. Stephen

Ave., Westmount, Montreal, Que. Representing: Magnetic Shield Div., Perfection Mica Co., Chicago 22, Ill.  
**Griffon Sales Ltd.**, 551 West 8th Ave., Vancouver 9, B.C. Rep.: Knopp Inc., Oakland 8, Calif.  
**Griswold Engineering Co. Ltd.**, 146 Bates Rd., Montreal 8, Que. Representing: The Connecticut Hard Rubber Co., New Haven 9, Conn.  
 Grogan, James, 50 Yarmouth Rd., Toronto, Ont. Representing: Conant Laboratories, Lincoln, Neb.  
**Gulley Company Ltd.**, 72 Crockford Blvd., Scarborough, Ont. Representing: American Vacuum Co., Skokie, Ill.  
 Chemclean Products Corp., College Point 56, N.Y.  
 Pandjiris Weldment Co., St. Louis, Mo.

**H**

**Hackbusch Electronics Ltd.**, 23 Primrose Ave., Toronto 4, Ont. Representing: Caledonia Electric & Transformer Corp., Caledonia, N.Y.  
 Canadian Puregas Equipment Ltd., Toronto, Ont.  
 Clough-Brengle Co., Chicago 40, Ill.  
 Electronic Specialties Mfg. Corp., Worcester, Mass.  
 Lorain Products Inc., Lorain, Ohio.  
 National Carbon Co., Toronto, Ont.  
 Stromberg-Carlson Co., Rochester, N.Y.  
 Sylvania Electric Products Inc., (Electronics Div.), Woburn, Mass.  
 Technical Appliance Corp., Sherburn, N.Y.  
 Telematics Inc., Franklin Park, Ill.

**Hall & Pickles Canada Ltd.**, 1266 Kipling Ave. North, Rexdale, Ont.  
**Hallcrafters Canada Ltd.**, The, Don Mills Rd., Don Mills, Ont.  
**Halverson's Televue Ltd.**, 807-17th Ave. West, Calgary, Alta. Representing: Hartley Products Co., New York 51, N.Y.  
**Hamilton Watch Co. of Canada Ltd.**, 2 Bloor St. E., Toronto 5, Ont. Representing: Hamilton Watch Co., Lancaster, Pa.

**Hammond Manufacturing Co. Ltd.**, Guelph, Ont.  
**Handy & Harman of Canada Ltd.**, 141 John St., Toronto 2B, Ont.  
**Harper Everlasting Fastenings Ltd.**, 27 Chauncey Ave., Toronto 18, Ont. Representing: H. M. Harper Co., Morton Grove, Ill.  
**Hart Electronics Ltd.**, 196½ Osborne St., Winnipeg, Man. Representing: Audio Vox Ltd., Montreal, Que.  
 Breeze Corp., Inc., Union, N.J.  
 Decca Radar Ltd., Toronto, Ont.  
 Hallett Manufacturing Co., Inglewood, Calif.  
 Industrial Radio Corp., Chicago, Ill.  
 Kaar Engineering Corp., Palo Alto, Calif.  
 Pye Canada Ltd., Toronto, Ont.  
 Telecom Ltd., Toronto, Ont.

**Hartz Co. Ltd.**, J. F., 107 Morris St., Halifax, N.S. Representing: Despatch Oven Co., Minneapolis, Minn.  
**Harvey & Co. Ltd.**, Water St., St. John's, Newfoundland, Rep.: D. W. Onan & Son, Inc., Minneapolis 14, Minn.  
**Hathaway, Kraemer Ltd.**, 125 Whitley Place, Kitchener, Ont.  
**Hawkesbury Wire Company Ltd.**, 17 Laurier St., Hawkesbury, Ont. Representing: Bridgeport Insulated Wire Co., Bridgeport, Conn.  
 Heenan Ltd., P. J., 669 Bayview Ave., Toronto 17, Ont. Rep.: Centralab Canada Ltd., Ajax, Ont.  
 Centralab, Div. of Globe Union Inc., Milwaukee, Wis.  
 Electro-Voice Inc., Buchanan, Mich.

**Heppner Manufacturing Co.**, Round Lake, Ill.  
**Method Mfg. Canada Ltd.**, Hanover, Ont.  
**Method Manufacturing Co.**, Chicago, Ill.  
 Sangamo Electric Co., Springfield, Ill.  
 J. H. Winn Inc., Winchester, Mass.

**Helipot Div. of Beckman Instruments Inc.**, 3 Six Points Rd., Toronto, Ont.  
**Hellerman (Canada) Ltd.**, 44 Danforth Rd., Toronto 13, Ont.  
**Henderson-Oliver Sales Co.**, 41 Springbrook Gardens, Toronto, Ont. Representing: Zenith Electric Co., Chicago, Ill.

**Hendry Hearing Service**, 1180 Bay St., Toronto, Ont. Representing: Melody Master Mfg. Co., Chicago 18, Ill.

**Herring & Company, Ltd.**, John, 3468 Dundas St. W., Toronto, Ont. Representing: AEMCO, Inc., Mankato, Minn.  
 Barber-Colman Co., Rockford, Ill.  
 Fortiphone Ltd., London, E. 1, England.  
 H-B Instrument Co., Ltd., Philadelphia 40, Pa.  
 Hardwick Hindle Ltd., Newark, N.J.  
 Industrial Tectonics, Inc., Ann Arbor, Mich.  
 Landis & Gyr Inc., New York 36, N.Y.  
 Mucon Corp., Newark 5, N.J.  
 George Rattray & Co. Inc., Richmond Hill, N.Y.  
 Ripley Company Inc., Middletown, Conn.  
 Shallcross Mfg. Co., Selma, N.C.  
 Stevens-Arnold, Inc., South Boston 27, Mass.  
 Superite Instrument Corp., Floral Park, N.Y.

**Higginson Equipment Sales Ltd.**, 1131 Pettit Rd., P.O. Box 512, Burlington, Ont. Representing: R. B. Annis Co., Indianapolis 2, Ind.  
 Autotron Inc., Danville, Ill.  
**High Fidelity Assoc.**, 506 Kent St., Ottawa, Ont. Representing: Hartley Products Co., New York 51, N.Y.

**Hildon Corporation Ltd.**, 321 King St. W., Toronto 2B, Ont. Rep.: A. Capp & Son Ltd., Crayford, Kent, England.  
 James Chesterman & Co. Ltd., Sheffield 11, England.  
 Thos. Mercer Ltd., St. Albans, England.

**Hirschmann Co. of Canada Ltd.**, Carl, 5112 Dundas St. W., Toronto 18, Ont. Representing: Micafil Ltd., Zurich, Switzerland.

**Hobson & Associates, W.**, 1024 Notre Dame St., Lachine, Que. Representing: Decker Engineering Corp., Long Beach 13, Calif.  
 The Esterline-Angus Co. Inc., Indianapolis, Ind.  
 George M. Fraser Ltd., Toronto, Ont.

**Holman Luggage Ltd.**, 167 Suffolk St., Guelph, Ont.  
**Honeywell Controls Limited**, Vanderhoof Ave., Toronto, Ont.  
**Hooker (Canada) Ltd.**, Samuel C., 2425 Grand Boulevard, Montreal 28, Que. Representing: Aero Instrument Co., North Hollywood, Calif.  
 Barry Controls Inc., Watertown, Mass.  
 C.W.S. Waveguide Corp., Amityville, L.I., N.Y.  
 Cambridge Thermionic Corp., Cambridge, Mass.  
 Cinema Engineering Division, Burbank, Calif.  
 Edgerton, Germeshausen & Grier Inc., Boston, Mass.  
 Electra Manufacturing Co., Kansas City, Mo.  
 EpSCO Inc., Cambridge, Mass.  
 The Gudeman Co., Chicago, Ill.  
 Hoffman Semiconductor Div., Evanston, Ill.  
 Jeffers Electronics Div., Speer Carbon Co., DuBols, Pa.  
 Kings Electronics (Canada) Ltd., Montreal 28, Que.  
 New England Transformer Co., Somerville, Mass.  
 Roanwell Corporation, New York, N.Y.

**Speer Resistor Div.**, Speer Carbon Co., St. Mary's, Pa.

**Hoover Co. Ltd.**, The, P.O. Box 128, Station "B", Hamilton, Ont. Representing: Eicor Inc., Chicago 39, Ill.  
 Electronic Research Associates Inc., Cedar Grove, N.J.  
 Hoover Electronics Co., Timonium, Md.  
 Rotron Manufacturing Co. Ltd., Woodstock, N.Y.

**Hope Machinery Co.**, 200 Dalhousie St., Toronto 2, Ont. Representing: Airo Industries, Los Angeles, Calif.  
 Bradford Metalmaster Co., Cincinnati 23, Ohio.  
 Diemakers Ltd., Montreal, Que.  
 Drive-All Manufacturing Co., Detroit 15, Mich.  
 The Flexaust Co., New York 17, N.Y.  
 Mark-Tex Corp., New York 11, N.Y.  
 Alexander S. Newall Machine Tool Co. Ltd., London, N.W. 3, England.  
 H. P. Preis Engraving Co., Hillside 5, N.J.  
 Wiedemann Machine Co., Norristown, Pa.

**Hoskins Alloys of Canada Ltd.**, 45 Racine Rd., Rexdale P.O., Rexdale, Ont. Representing: Hoskins Manufacturing Co., Detroit, Mich.  
**Hoskins Scientific Co.**, 1878 De La Salle Ave., Montreal, Que. Rep.: Atmosphere Control Co. Inc., Philadelphia 43, Pa.  
 Blue M Electric Co., Blue Island, Ill.

**Howard & Co. Ltd.**, M. J., 1168 Gertrude St., Ottawa, Ont. Representing: Aerovox Canada Ltd., Hamilton, Ont.  
 Burnell & Co. Inc., Pelham Manor, N.Y.  
 Cannon Electric Ltd., Toronto, Ont.  
 Emerson & Cuming, Inc., Canton, Mass.  
 IMC Magnetics Corp., Westbury, N.Y.  
 Waters Manufacturing, Inc., South Sudbury, Mass.

**Hummel, William M.**, 150 Pinewood Trail, Port Credit, Ont. Representing: Bradford Components, Inc., Salamanca, N.Y.  
 Connector Corp., Chicago 46, Ill.  
 Ferrotran Electronics Co., Inc., New York 12, N.Y.  
 Norrich Plastics Corp., New York 11, N.Y.  
 Solar Manufacturing Corp., Los Angeles 58, Calif.  
 Thermax Wire Corp., New York 17, N.Y.  
 Wellesley Engineers, Waltham 54, Mass.

**Hunt Co. (Canada) Ltd.**, Philip A., 77 Leslie St., Toronto, Ont.  
**Hysol (Canada) Ltd.**, P.O. Box 53, Station "R", Toronto 17, Ont. Representing: Houghton Laboratories Inc., Olean, N.Y.

**IRC Resistors**, Div. of Renfrew Electric Co. Ltd., 349 Carlaw Ave., Toronto 8, Ont. Representing: International Resistance Co., Philadelphia, Pa.

**IRE Canadian Convention**, 1819 Yonge St., Toronto 7, Ont.

**ITT Electronics Service Company of Canada Ltd.**, 5796 Ferrier St., Town of Mount Royal, Que.

**Isco of Canada Ltd.**, 25 Carson St., Toronto 14, Ont.

**Indiana Steel Products Co. of Canada Ltd.**, The, 135 Hayward Ave., (P.O. Box 545), Kitchener, Ont.

**Indufab Ltd.**, 32 Front St. W., Toronto 1, Ont. Representing: Resistoflex Corp., Roseland, N.J.

**Industrial Combustion & Equipment Ltd.**, 3116 Beaubien St. E., Rosemount, Montreal, Que. Representing: Despatch Oven Co., Minneapolis, Minn.

**Industrial Electronics of Canada,** Div. of C. C. Meredith & Co. Ltd., 80 Thomas St., Streetsville, Ont. Representing:  
**Leland Electric Canada Ltd.,** Guelph, Ont.  
**Pelapone Engines Ltd.,** London, W. 1, England.  
**Vickers Inc.,** Electric Products Div., St. Louis 3, Mo.  
**Industrial Projects Ltd.,** 1539 Crescent St., Montreal, Que. Representing:  
**The Ohmart Corp.,** Cincinnati 22, Ohio.  
**Industrial Trading Co. (Canada),** 1409 Yonge St., Toronto, Ont. Representing:  
**Duncan M. Gillies Co. Inc.,** West Boylston, Mass.

**Industrial & Institutional Communications Ltd.,** 29 McNaughton Ave., Wallaceburg, Ont. Representing:  
**Lustraphone Ltd.,** London, N.W. 1, England.  
**Majestic Winding Co.,** Bournemouth, England.  
**Rauland-Borg Corp.,** Chicago 18, Ill.  
**Talk-A-Phone Co.,** Chicago 23, Ill.  
**Tape-Athou Music, Inc.,** Inglewood, Calif.  
**Ingraham Canadian Clock Co. Ltd.,** 9 Grande Ave., Toronto 18, Ont.  
**Inland Broadcasting Service,** 171 McDermot Ave., Winnipeg, Man. Representing:  
**Callfone Corp.,** Hollywood 38, Calif.  
**Instantaneous Recording Service,** (A Div. of E. J. Piggott Enterprises, Ltd.), 42 Lombard St., Toronto 1, Ont. Representing:  
**Magnetics, Inc.,** New York 36, N.Y.  
**Mohawk Business Machines Corp.,** Brooklyn 33, N.Y.  
**Presto Recording Corp.,** Paramus, N.J.  
**Thomas J. Valentine, Inc.,** New York City, N.Y.

**Instronics Limited,** Box 100, Stittsville, Ont. Representing:  
**Adler Electronics, Inc.,** New Rochelle, N.Y.  
**Allegany Instrument Co., Inc.,** Cumberland, Md.  
**BJ Electronics, Borg-Warner Corp.,** Santa Ana, Calif.  
**Balun Ltd.,** Horsham, Sussex, England.  
**British Communications Corp., Ltd.,** Wembley, Middlesex, Eng.  
**Datex Corp.,** Monrovia, Calif.  
**Divco-Wayne Electronics, Divco-Wayne Corp.,** Cincinnati 15, Ohio.  
**Donner Scientific Co.,** Concord, Calif.  
**Empire Devices Products Corp.,** Amsterdam, N.Y.  
**Farnell Instruments Ltd.,** Wetherby, Yorkshire, England.  
**Lavoie Laboratories, Inc.,** Morganville, N.J.  
**Millivac Instruments, Div. of Cohu Electronics, Schenectady, N.Y.**  
**Potter Instrument Company, Inc.,** Plainview, N.Y.  
**Racal Engineering Ltd.,** Bracknell, Berkshire, England.  
**Radio Frequency Laboratories Inc.,** Test and Service Equipment, Boonton, N.J.  
**Schomandl K.G.,** Munich 8, Germany.  
**Stelma Inc.,** Stamford, Conn.  
**Telerad Manufacturing Corp.,** New York, N.Y.  
**Texas Instruments Incorporated, Industrial Instrumentation Division,** Houston, Texas.

**Instrument Service Labs. Ltd.,** 21 West Broadway, Vancouver, B.C. Representing:  
**Barber-Colman Co.,** Rockford, Ill.  
**Shallcross Manufacturing Co.,** Selma, N.C.

**International Business Machines Company Ltd.,** Don Mills Rd., Toronto 6, Ont.  
**International Nickel Company of Canada, Ltd.,** The, 55 Yonge St., Toronto, Ont.  
**International Rectifier of Canada Ltd.,** 1581 Bank St., Ottawa 1, Ont. Representing:  
**International Rectifier Corp.,** El Segundo, Calif.

**International Systcoms Limited,** 8235 Mountain Sights Ave., Montreal, Que. Representing:  
**Hasler, S. A.,** Berne, Switzerland.  
**Iron Fireman Mfg. Co. of Canada Ltd.,** 80 Ward St., Toronto, Ont. Representing:  
**Iron Fireman Mfg. Co.,** Electronics Div., Portland 2, Oregon.  
**Irvine, Ltd., Frederick M.,** 4116 Madison Ave., N.D.G., Montreal, Que. Representing:  
**Photomation, Inc. (formerly Ess Instrument Co.),** Bergenfield, N.J.

**J**

**Jeanes & Co., Eric 266 Aubrey St.,** Winnipeg, Man. Representing:  
**Raypar, Inc.,** Chicago, Ill.  
**Rohn Manufacturing Co.,** Peoria, Ill.  
**Jensen Speakers, Division of Renfrew Electric Co. Ltd.,** 349 Carlaw Ave., Toronto 8, Ont. Representing:  
**Jensen Mfg. Co.,** Chicago, Ill.  
**Jerrold Electronics (Canada) Ltd.,** 50 Wingold Ave., Toronto 19, Ont. Representing:  
**Jerrold Electronics Corp.,** Philadelphia, Pa.  
**Scala Radio Co.,** San Francisco, Calif.  
**Times Wire and Cable Co.,** Wallingford, Conn.  
**Johnson Matthey & Mallory Ltd.,** 110 Industry St., Toronto 15, Ont. Representing:  
**Johnson Matthey & Co. Ltd.,** London, England.  
**P. R. Mallory & Co. Inc.,** Indianapolis, Ind.  
**Jones, Lloyd B.,** 77 Humbercrest Blvd., Toronto 9, Ont. Rep.:  
**Metals & Controls Div. of Texas Instruments Incorporated,** Attleboro, Mass.  
**Joy Manufacturing Co. (Canada) Ltd.,** 175 Beverly St., Galt, Ont. Representing:  
**Joy Manufacturing Co.,** Pittsburgh 22, Pa.

**K**

**KCS Data Control Ltd.,** 20 Spadina Rd., Toronto 4, Ont.  
**Kahnert Sales Ltd., R. C.,** 73 Crockford Blvd., Scarborough, Ont. Representing:  
**American Television & Radio, St. Paul, Minn.**  
**Barker & Williamson, Inc.,** Bristol, Pa.  
**Dollard Recordings,** Winnipeg, Man.  
**Electrocraft, Inc.,** Chicago, Ill.  
**EV of Canada Ltd.,** Scarborough, Ont.  
**Fisher Berkely, Emeryville, Calif.**  
**Hurst Tool & Mfg. Co., Inc.,** Princeton, Ind.  
**J.B.T. Instruments, Inc.,** New Haven, Conn.  
**Lumite Division, Chicopee Mills, Inc.,** Cornelia, Ga.  
**Mechron Engineering Products Ltd.,** Ottawa, Ont.  
**Petersen Radio Co.,** Council Bluffs, Iowa.  
**Resistor Wholesalers Corp.,** New York, N.Y.  
**Rhein Sound Systems,** New Haven, Conn.  
**Sangamo Electric Co.,** Marion, Ill.  
**Sargent-Raymont Co.,** Oakland, Calif.  
**Shurite Meters, Inc.,** New Haven, Conn.  
**Soundolier, Inc.,** St. Louis, Mo.  
**Telectrosonic Corp.,** Long Island, N.Y.  
**Thompson Products,** Don Mills, Ont.  
**Thorcraft Radio, Winnipeg, Man.**  
**Triad Transformer Corp.,** Venice, Calif.  
**Kearney Corp., James R.,** Guelph, Ont. Representing:  
**Micro Balancing, Inc.,** Garden City Park, L.I., N.Y.  
**Keith Mercer Co. Ltd.,** 5165 Sherbrooke St. W., Montreal 28, Que. Representing:

**B-I-F Industries, Inc.,** Providence, R.I.  
**Brooks Rotameter Co.,** Lansdale, Pa.  
**Geo. W. Dahl Co., Inc.,** Bristol, R.I.  
**Hastings-Raydist Inc.,** Hampton, Va.  
**Robertshaw-Fulton Controls Co.,** Anaheim, Calif.  
**Kelk Ltd., George,** 130 Willowdale Ave., Willowdale, Ont. Rep.:  
**B and H Instrument Co.,** Fort Worth 7, Texas.  
**Kelly & Landers Elec. Ltd.,** 357 Bannatyne Ave., Winnipeg 2, Man. Representing:  
**Fasco Industries, Inc.,** Rochester 5, N.Y.  
**Kelvin & Hughes (Canada) Ltd.,** 401 McGill St., Montreal, Que. Representing:  
**Kelvin & Hughes Ltd.,** Wembley, Middlesex, England.  
**Kelvin & Hughes (Industrial) Ltd.,** London, England.  
**Kelvin & Hughes (Marine) Ltd.,** London, England.  
**Kenny Consolidated Engineering Industries Ltd.,** 58 Wellington St. E., Toronto, Ont. Representing:  
**Rapid Magnetic Machines Ltd.,** Birmingham 12, England.  
**Kent Engineering Co.,** 4033 Decarie Blvd., Montreal 28, Que. Representing:  
**Electro-Air Cleaner Co.,** McKee Rocks, Pa.  
**Kerr-Machin Associates, P.O. Box 34, Station "K,"** Toronto 12, Ont. Representing:  
**Allies' Products Corp.,** Miami, Fla.  
**Alloy Wire Company Ltd.,** Old Hill, Staffs., England.  
**Apex Bolt Products,** Toronto 15, Ont.  
**Par Industrial Sales Ltd.,** Toronto 12, Ont.  
**Saxonburg Ceramics Inc.,** Saxonburg, Pa.  
**Saxonburg Ceramics (Canada),** Willowdale, Ont.  
**Kester Solder Company of Canada Ltd.,** 51 Bruce St., P.O. Box 1012, Brantford, Ont. Representing:  
**Kester Solder Co.,** Chicago 39, Ill.  
**Kidde & Company of Canada Ltd.,** Walter, 5500 Royalmount Ave., Town of Mount Royal, Montreal 18, Que. Representing:  
**Walter Kidde & Company, Inc.,** Belleville 9, N.J.  
**Kings Electronics (Canada) Ltd.,** 2425 Grand Blvd., Montreal 28, Que.  
**Kipp Kelly, Ltd.,** 2076 Dundas St. W., Toronto, Ont. Representing:  
**Despatch Oven Co.,** Minneapolis, Minn.  
**Kirk's Agency, 232 Sherbrook St.,** Winnipeg 1, Man. Representing:  
**Eagle Electric Mfg. Co. Inc.,** Long Island City 1, N.Y.  
**Wen Products, Inc.,** Chicago 31, Ill.  
**Kitchener Electronic Industries Ltd.,** 139 Dundas St., Kitchener, Ont. Representing:  
**Crown Controls Mfg Co. Ltd.,** Kitchener, Ont.

**L**

**LCR Manufacturing Company Ltd.,** 12 York Street S., Lindsay, Ont.  
**Lake Engineering Co. Ltd.,** 123 Manville Rd., Scarborough, Ont. Representing:  
**Aladdin Electronics,** Nashville, Tenn.  
**Birther Corp.,** Los Angeles 32, Calif.  
**Capacitors of Canada Ltd.,** Scarborough, Ont.  
**Chicago Miniature Lamp Works,** Chicago 10, Ill.  
**Churchill Lighting Corp.,** Melrose, Mass.  
**Consolidated Electronic Equipment Co., Ltd.,** Willowdale, Ont.  
**Continental Carbon Div. of Wirt Co.,** Philadelphia 44, Pa.  
**Corning Glass Works,** Bradford, Pa.  
**Custom Components Inc.,** Caldwell, N.J.  
**Dialight Corp.,** Brooklyn 37, N.Y.  
**Dialtron Corp.,** Brooklyn 37, N.Y.  
**Elma Ferrite Lab. Inc.,** Saugerties, N.Y.

**Erie Resistor of Canada Ltd.,** Trenton, Ont.  
**Garlock Packing Co. (Electroni Products)** Camden 1, N.J.  
**Grayhill Inc.,** La Grange, Ill.  
**Grigsby Co. Inc.,** Arlington Heights, Ill.  
**Hawkesbury Wire Co. Ltd.,** Hawkesbury, Ont.  
**International Telephone & Telegraph Corp.,** Components Div., Clifton, N.J.  
**Kearfott Co. Inc.,** Clifton, N.J.  
**Kemtron Electron Products Inc.,** Newburyport, Mass.  
**James Knights Co.,** Sandwich, Ill.  
**Kuthe Labs. Inc.,** Newark, N.J.  
**Leecraft Mfg. Co. Inc.,** New York 12, N.Y.  
**Litton Industries Inc.,** Components Div., Van Nuys, Calif.  
**Litton Industries Inc.,** Mount Vernon, N.Y.  
**Microdot Inc.,** South Pasadena, Calif.  
**New York Coll Co.,** Phoenixville, Pa.  
**Phillips Electronic Industries Ltd.,** Toronto 17, Ont.  
**RCA International Inc.,** Clark, N.J.  
**C. R. Snelgrove Co. Ltd.,** Don Mills, Ont.  
**Standard Telephones & Cables Mfg. Co. (Canada) Ltd.,** Montreal, Que.  
**Stanwyck Coil Products Ltd.,** Hawkesbury, Ont.  
**Stegg Electric Ltd.,** Belleville, Ont.  
**Transistor Electronics Corp.,** Minneapolis 28, Minn.  
**Plastic Capacitors Inc.,** Chicago 14, Ill.  
**Leland Electric Canada Ltd.,** 50 Crimea St., Guelph, Ont. Rep.  
**Eastern Air Devices,** Dover, N.H.  
**Lenkurt Electric Co. of Canada Ltd.,** 7018 Lougheed Highway, North Burnaby P.O., Vancouver, B.C.  
**Leonard Electric Limited,** 346 Bering Ave., Toronto 18, Ont. Representing:  
**Airpax Electronics Inc.,** Ft. Lauderdale, Fla., and Cambridge, Md.  
**Couch Ordnance Inc.,** North Quincy, Mass.  
**Counting Instruments Ltd.,** Boreham Wood, Herts., England.  
**Fasco Industries, Inc.,** Rochester 5, N.Y.  
**Globe Industries Inc.,** Dayton, Ohio.  
**G-V Controls Inc.,** Livingston, N.J.  
**Hetherington Inc.,** Folcroft, Pa.  
**Inertia Switch Inc.,** New York 36, N.Y.  
**Lewis, J. C.,** 38 Carwyn Crescent Hamilton, Ont. Representing:  
**The Ohio Crankshaft Co.,** Tocco Div., Cleveland 5, Ohio.  
**Linde Company, Division of Union Carbide Canada Ltd.,** 40 St. Clair Ave. E., Toronto 7 Ont.  
**Distributors from coast to coast**  
**Lindsay Antenna & Specialty Products Ltd.,** Mary St., Lindsay, Ont.  
**Linread Canada Ltd.,** Hayes Ave Guelph, Ont. Representing:  
**Fasteners Inc.,** Pittsfield, Mass.  
**Lion Rubber & Plastics Ltd.,** 140 Clement St., Ville LaSalle, Montreal 32, Que.  
**Liquidometer of Canada Ltd.,** 1740 Cote Vertu, Montreal, Que. Representing:  
**The Liquidometer Corp.,** Long Island City 1, N.Y.  
**Lisle Instrument Systems,** 577 Eglinton Ave. W., Toronto, Ont. Representing:  
**The Adams & Westlake Co.,** Elkhart, Ind.  
**Industrial Instruments, Inc.,** Cedar Grove, N.J.  
**Lock & Sons, J. H.,** 874 Clyde Ave Ottawa 3, Ont., and 150 Perth Ave., Toronto 9, Ont. Rep.:  
**Tenney Engineering, Inc.,** Union, N.J.  
**Lomas, E. G.,** 227 Laurier Ave W., Ottawa, Ont. Representing:  
**Allied Industries Inc.,** Ogallala, Neb.  
**Coll Winders Inc.,** Westbury, N.Y.  
**Co-Operative Industries, Inc.,** Chester, N.J.

Eastern Precision Resistor Corp., Brooklyn, N.Y.  
 B. F. Goodrich, Shelton, Conn.  
 Lel Inc., Copiague, L.I., N.Y.  
 Microwave Associates Inc., Burlington, Mass.  
 Nugent Electronics Co., New Albany, Ind.  
 Pacific Semiconductors, Inc., Culver City, Calif.  
 Power Sources, Inc., Burlington, Mass.  
**Long Sault Woodcraft Ltd.,** St. Andrews East, Que.  
**Lovsted & Company (Canada) Ltd.,** C. M., 1726 W. 5th Ave., P.O. Box 4185, Station "D", Vancouver 9, B.C. Representing: Polypenco, Inc., Reading, Pa.  
 Skinner Electric Valve Division, New Britain, Conn.  
**Lucas-Rotax Ltd.,** 2200 Eglinton Ave. East, Toronto, Ont. Rep.: Joseph Lucas (G.T.E.) Ltd., Birmingham, England.  
 Rotax Limited, London, Eng.  
**Lyone Ltd.,** Allan, Ellice at Centre St., Winnipeg 10, Man.  
**Lyle Engineering Specialties Ltd.,** 360 Notre Dame St., Montreal 1, Que., and 971 Oxford St., Toronto 14, Ont. Rep.: Shand & Jurs Co., Berkeley 5, Calif.

**M**

**Mabee Limited, E. A.,** 24 Merton St., Toronto 7, Ont. Representing: Erwood Inc., Chicago 13, Ill.  
**MacIvor Electronics Ltd.,** 224 Osborne St. South, Winnipeg 13, Man. Representing: Audio Equipment Co. Inc., Port Washington, N.Y.  
 Barvic Engineering Ltd., Vancouver 1, B.C.  
 S. H. Couch Co. Inc., Port Washington, N.Y.  
 Ericsson Telephone Sales of Canada, Montreal 8, Que.  
 Photoswitch Div., Electronics Corp. of America (Canada) Ltd., Toronto 18, Ont.  
**Mack Co. Ltd., R.,** 7966 Granville St., Vancouver, B.C. Representing: Associated Electrical Industries, London, England.  
 Jackson Bros. (London) Ltd., Croydon, Surrey, England.  
 Sanwa Electric Instrument Works, Tokyo, Japan.  
 Siemens Edison Swan Ltd., London, England.  
**MacQuarrie Sales, J. J.,** 46 St. George St., Toronto 5, Ont. Rep.: Amaton Electronic Hardware Co., New Rochelle, N.Y.  
 Boulevard Electronics Inc., Chicago, Ill.  
 Eastern Jewel Corp., Rego Park 74, N.Y.  
 Jan Hardware Manufacturing Co., Brooklyn, N.Y.  
 Jersey Specialty Co., Little Falls, N.J.  
 Line Electric Co., Newark, N.J.  
 Ortho Filter Co., Paterson, N.J.  
 Precision Mechanisms Corp., East Meadow, L.I., N.Y.  
 Rohm Manufacturing Corp., Peoria, Ill.  
 U.S. Components Inc., New York, N.Y.  
 Wendell Plastic Fabrics Corp., New York, N.Y.  
 Woodcraft Service Co., Toronto, Ont.  
**Magnachem Ltd.,** 5507-1st St. S.E., Calgary, Alta. Representing: Associated Research Inc., Chicago, Ill.  
 Branson Instruments Inc., Stamford, Conn.  
 Crest Instrument Co., Santa Fe Springs, Calif.  
 Lenox Instrument Co., Philadelphia, Pa.  
**Magnecord Canada Ltd.,** 3751 Bloor St. W., Toronto 18, Ont.  
**Magnetic Coil Co.,** 67 Ontario St. South, Kitchener, Ont.  
**Maignuys Limited,** 6033 Hamilton St., Montreal, Que. Representing: The Zippertubing Co., Los Angeles 14, Calif.  
**Mallory Battery Co. of Canada Ltd.,** 228 St. Helen's Ave., Toronto 4, Ont.  
**Manis Associates Reg'd, Ben,** 5317 Prince of Wales Ave., Montreal 29, Que. Representing: Arrow Electronics Corp.,

Montreal, Que.  
 Cronen Limited, Whitby, Ont.  
 Eastern Packaging Co., Montreal, Que.  
 Electric Products, Montreal, Que.  
 Mechanical Steel Tubing Corp., New York 59, N.Y.  
 Radio Merchandise Sales Inc., New York 62, N.Y.  
 Saxton Products Inc., New York, N.Y.  
 Shielding Inc., Riverton, N.J.  
 Stark Electronic Sales Co., Ajax, Ont.  
 Tech-Master Corp., Brooklyn, N.Y.  
 Waltham Horological Corp., Lynn, Mass.  
 Y. W. Small Parts Ltd., Toronto 2, Ont.  
**Maple Leaf Enterprises, 175 East Broadway, Vancouver, B.C. Rep:** Callfone Corp., Hollywood 38, Calif.  
**Marking Products Ltd.,** 1801 Favour St., Montreal, Que.  
**Marsland Engineering Ltd.,** 154 Victoria St. South, Kitchener, Ont. Representing: Filtrors Inc., Port Washington, L.I., N.Y.  
 G. H. Leland, Inc., Dayton, Ohio.  
 Sarkes Tarzian Inc., Bloomington, Ind.  
**Martin Engineering Inc.,** 1846 Dorchester St. West, Montreal 25, Que.  
**Mawer Sales Ltd.,** 144 Kerr St. N., Oakville, Ont. Representing: Taylor Winfield Corp., Warren, Ohio.  
**McCarter Radio & Television Ltd.,** 1625 West 3rd Ave., Vancouver 9, B.C.  
**McCurdy Radio Industries Ltd.,** 22 Front St. West, Toronto, Ont. Representing: McIntosh Laboratory Inc., Binghamton, N.Y.  
**McIntosh Laboratories Inc.,** 22 Front St., West, Toronto, Ont.  
 McIntyre Agencies, 7365 Mountain Sights Ave., Montreal, Que. Rep.: Aerovox Canada Ltd., Hamilton, Ont.  
 Canadian Astatic Co., Ltd., Toronto, Ont.  
 Mark Simpson Mfg. Co. Inc., Long Island City, N.Y.  
 S. G. Smallwood & Co., Kitchener, Ont.  
**McKeown Equipment Ltd.,** 143 Brock St., Sault Ste. Marie, Ont. Representing: D. W. Onan & Son, Inc., Minneapolis 14, Minn.  
**McLaren & Sons, Ltd., P. D.,** Vancouver, B.C., and Calgary, Alta. Representing: Shand & Jurs Co., Berkeley 5, Calif.  
**McLean Ltd., H. J. G.,** 45 Albion St., Brantford, Ont. Representing: R. M. Catterson-Smith Ltd., Wembley, Middlesex, England.  
 H. P. Preis Engraving Machine Co., Hillside 5, N.J.  
**McLennan Sales Co. Ltd.,** D. Eldon, 1624 West Third Ave., Vancouver 9, B.C. Representing: G-C Electronics Mfg. Co., Div. of G-C Textron Inc., Rockford, Ill.  
 General Cement Mfg. Co., Div. of Textron Inc., Rockford, Ill.  
 Quam Nichols Co., Chicago 37, Ill.  
 Sangamo Electric Co., Springfield, Ill.  
 Triad Transformer Corp., Venice, Calif.  
**McPhar Geophysics Ltd.,** 139 Bond Ave., Don Mills P.O., Ont.  
**McQuay-Norris Mfg. Co. of Canada Ltd.,** Ray & Goddard Sts., Toronto, Ont. Representing: McQuay-Norris Mfg. Co., St. Louis 10, Mo.  
**McVity & Co., J. R. G.,** 51 Dalewood Rd., Toronto 12, Ont. Representing: Fansteel Metallurgical Corp., Rectifier-Capacitor Div., North Chicago, Ill.  
 Radio Materials Co., Div. of P. R. Mallory & Co. Inc., Chicago 18, Ill.  
 Slug-Bit Supply Co., Dallas 20, Texas.  
**Measurement Engineering Ltd.,** 232 John St., Arnprior, Ont. Rep.: Alto Instruments (Great Britain) Ltd., London, W.C. 2, England.  
 Durakool Inc., Elkhart, Ind.

**Elliott Brothers (London) Ltd.,** London, England.  
 Erie-Pacific Div. of Erie Resistor Corp., Hawthorne, Calif.  
 Ether Ltd., Birmingham 24, Eng.  
 Fielden Electronics Ltd., Manchester, England.  
 Goring Kerr Ltd., Gerrards Cross, Bucks., England.  
 Imhof Ltd., London, W.C. 1, Eng.  
 Narda Ultra Sonic Corp., Westbury, L.I., N.Y.  
 Precision Thermometer & Instrument Co., Phila., Pa.  
**Mechnon Engineering Products Ltd.,** 2437 Kaladar Ave., Ottawa 1, Ont. Representing: Amos of Exeter Ltd., Exwick, Devon, England.  
 Amplivox Exports Ltd., Wembley, Middlesex, England.  
 Antex Ltd., London, England.  
 Fleming Radio (Developments) Ltd., Stevenage, Herts., Eng.  
 Frank Frungel Ltd., Hamburg, Germany.  
 Kato Engineering Co., Mankato, Minn.  
 Laboratorium Dr. Justus Rosenhagen, Hamburg, Germany.  
 Savage & Parsons Ltd., Watford, Herts., England.  
 Sifam Electrical Instruments Ltd., Torquay, Devon, England.  
 A. Sprenger, Hamburg, Germany.  
 Telcon Magnetic Cores, Airdrie, Lanarkshire, Scotland.  
 Wandeside Cable Works Ltd., London, England.  
 Winston Electronics Ltd., Shepperton, Middlesex, Eng.  
**MEL Sales Limited, 1969 Avenue Rd.,** Toronto 12, Ont. Rep.: Boonton Electronics Corp., Morris Plains, N.J.  
 Communication Measurements Lab. Inc., Plainfield, N.J.  
 Digitrax Co., Pasadena, Calif.  
 Endevo Corp., Pasadena, Calif.  
 Fielden Electronics Ltd., Wythenshawe, Lancs., England.  
 Frequency Standards Inc., Asbury Park, N.J.  
 Alfred Imhof Ltd., London, W.C. 1, England.  
 Instrument Development Labs., Attleboro, Mass.  
 International Radiant Corp., New Cassell, L.I., N.Y.  
 Kay Electric Co., Pine Brook, Morris County, N.J.  
 Krohn-Hite Corp., Cambridge 39, Mass.  
 Ling Electronics Div., Ling-Altec Electronics, Inc., Winchester, Mass.  
 Narda Microwave Corp., Mineola, N.Y.  
 Narda Ultrasonics Corp., Westbury, L.I., N.Y.  
 Polarad Electronic Corp., Long Island City 1, N.Y.  
 Reflectone Electronics, Stamford, Conn.  
 Sanders Associates, Inc., Nashua, N.H.  
 Sensitive Research Instrument Co., New Rochelle, N.Y.  
 Servo Corp., New Hyde Park, N.Y.  
 Technology Instrument Corp., Acton, Mass.  
 Trad Electronics Corp., Asbury Park, N.J.  
 Weldmatic, Div. of Unitek Corp., Pasadena, Calif.  
**Meredith & Co. Ltd., C. C.,** 80 Thomas St., Streetsville, Ont. Representing: Chicago Telephone Supply Corp., Elkhart, Ind.  
**Merritt Co., Ron, Room G-7,** Marine Building, 355 Burrard St., Vancouver 1, B.C. Representing: Acousti-Craft, Van Nuys, Calif.  
 American Gelsco Electronics Inc., New York City, N.Y.  
 Audio Empire, Garden City, N.Y.  
 Celestial Tapes Inc., Seattle 9, Wash.  
 Electronic Importers Inc., Seattle, Wash.  
 Electronic Instruments Co. Inc., Long Island City, N.Y.  
 Entron Inc., Bladensburg, Md.  
 Kraeuter & Co. Inc., Newark, N.J.  
 Mosley Electronics Inc., St. Louis 14, Mo.  
 Plastoid Corp., Long Island City, N.Y.  
 Quick Mount Mfg. Co. Inc., Brooklyn 38, N.Y.

**Reeves Soundcraft Corp.,** Danbury, Conn.  
 Rockford Special Furniture Co., Rockford, Ill.  
 Seco Mfg. Co., Minneapolis 19, Minn.  
 Sherwood Electronics Inc., Chicago, Ill.  
 Sony Superscope Inc., Sun Valley, Calif.  
 Standard Coil Products Co., Melrose Park, Ill.  
 Stephens Truson Inc., Culver City, Calif.  
 Thordarson-Melssner, Mount Carmel, Ill.  
**Metal Textile Corp. of Canada,** Hamilton, Ont. Representing: Metal Textile Corp., A Div. of General Cable Corp., Roselle, N.J.  
**Metalone Canada Ltd.,** 18 Civic Rd., Scarborough, Ont.  
**Metal & Wood Fastening Devices Co.,** 6302 Papineau Ave., Montreal 35, Que. Representing: Groov-Pin Corp., Ridgefield, N.J.  
 South Chester Corp., Lester, Pa.  
 Meth and Associates, Eugene, 1010 St. Catherine St. W., Montreal, Que. Representing: Chester Cable Corp., Chester, N.Y.  
**Methode Mfg. Canada Ltd.,** 10th Avenue, Hanover, Ont. Rep.: Methode Mfg. Corp., Chicago, Ill.  
**Mica Co. of Canada, Hull, Que.** Representing: Varifex Corporation, Rome, N.Y.  
 Micarta Fabricators Ltd., 18 Toronto St., Toronto, Ont. Representing: The Sloan Co., Burbank, Calif.  
 Sprague International Ltd., North Adams, Mass.  
**Micro-Tower Ltd.,** 42 Crockford Blvd., Scarborough, Ont. Rep.: Tower Construction Co., Sioux City, Iowa.  
**Microwave Systems, 42 Crockford Blvd.,** Scarborough, Ont. Rep.: Antlab, Inc., Worthington, Ohio.  
 Cascade Research Division of Monogram Precision Industries, Los Angeles, Calif.  
 Radio Frequency Laboratories, Inc., Boonton, N.J.  
 Technicraft Laboratories, Inc., Thomaston, Conn.  
**Millard Electric Ltd.,** Dufferin St., Perth, Ont.  
**Millitronics Ltd.,** 516 McDonnell St., Peterborough, Ont.  
**Mine Equipment Co. Ltd.,** 6685 Upper Lachine Rd., Montreal 28, Que. Representing: Rapid Magnetic Machines Ltd., Birmingham 12, England.  
**Minnesota Mining & Manufacturing of Canada Ltd.,** Oxford St. East, London, Ont.  
 Jobbers coast to coast.  
**Minnesota Mining & Manufacturing of Canada Ltd.,** Irvington Division, 1415 Eglinton Ave. West, Toronto 19, Ont.  
**Mitchell Electronics, J. C. E.,** 17 Dacre Cres., Toronto 3, Ont. Representing: Aircom Inc., Roselle, N.J.  
 Airdesign Corp., Upper Darby, Pa.  
 Automatic Coil Co. Inc., Brooklyn, N.Y.  
 Callins Industries Inc., Greenfield, Tenn.  
 LCR Manufacturing Co. Ltd., Lindsay, Ont.  
 Tenatronics Ltd., Newmarket, Ont.  
 Union Electric Products Co., Newark, N.J.  
**Mitchell Houghton, Ltd.,** 76 Richmond St. E., Toronto, Ont. Representing: Peirce Dictation Systems, Chicago 31, Ill.  
**Mitchell Photo Supply Ltd.,** 1015 Dominion Sq., Montreal, Que. Representing: D. Shackman & Sons, London, W. 1, England.  
**Moloney Electric Co. of Canada Ltd.,** 213 Sterling Rd., Toronto, Ont.  
**Monahan Supply Corp. Ltd.,** 189-191 Queen St. E., Toronto 2 Ont. Representing: P. A. Sturtevant Co., Addison, Ill.  
**Monarch Radio Mfg. Co.,** 3837 Arcade St., Montreal, Que.



Monsanto Canada Ltd.,  
425 St. Patrick St., Ville La Salle,  
Montreal, Que.  
Moore Bros. Machinery Co. Ltd.,  
953 St. James St. W., Montreal,  
Que. Representing:  
The Felters Co., Boston 11, Mass.  
H. P. Prels Engraving Machine Co.,  
Hillside 5, N.J.  
Mornningstar-Paisley of Canada  
Ltd., 207 Queens Quay West,  
Toronto, Ont. Representing:  
Mornningstar-Paisley, Inc.,  
New York 19, N.Y.  
Max Morris, 621 Winona Drive,  
Toronto 10, Ont. Representing:  
The Eraser Co., Inc.,  
Syracuse 4, N.Y.

Morton & Co. Ltd., Wells H.,  
613-11th Ave. W., Calgary, Alta.  
Representing:  
Barber-Colman Co.,  
Rockford, Ill.  
The Mercoid Corp., Chicago, Ill.  
Muirhead Instruments Limited,  
677 Erie St., Stratford, Ont. Rep.:  
Muirhead & Co. Ltd.,  
Beckenham, Kent, England.  
Multitone of Canada Ltd.,  
24 Merton St., Toronto 7, Ont.  
Representing:  
Multitone Electric Co. Ltd.,  
London, N. 1, England.  
Multivox Ltd., 9967 St. Michel  
Blvd., Montreal North 12, Que.  
Representing:  
Montgomery Mfg. Co.,  
Owensville, Ind.  
Mumford Medland Ltd., 576 Wall  
St., Winnipeg, Man. Representing:  
Kato Engineering Co.,  
Mankato, Minn.

Munk Associates Ltd., Peter,  
116 Rivalda Rd., Weston, Ont.  
Musimart of Canada Ltd.,  
901 Bleury St., Montreal 1, Que.  
Representing:  
Birmingham Sound  
Reproducers, Birmingham, Eng.  
Cam Block Corp.,  
New York, N.Y.  
Comar Electric Co.,  
Chicago, Ill.  
Goldring Manufacturing Co.,  
London, England.  
Lenco Ltd., Burgdorf BE,  
Switzerland.  
Permanoid Ltd., Manchester,  
England.  
Pfanstiehl Chemical Corp.,  
Waukegan, Ill.  
Premier Metal Products Co.,  
New York, N.Y.  
Thermal Wire of America,  
South Hero, Vt., U.S.A.  
Mussens Canada Ltd., 65 Colborne  
St., Montreal, Que. Rep.:  
Kato Engineering Co.,  
Mankato, Minn.

## N

National Carbon Co., Div. of  
Union Carbide Canada Ltd., 805  
Davenport Rd., Toronto 4, Ont.  
National Fibre Co. of Canada  
Ltd., 107 Atlantic Ave., Toronto 3,  
Ont. Representing:  
Bakelite Co., Belleville, Ont.  
Dixon Corp., Bristol, R.I.  
National Vulcanized Fibre Co.,  
Wilmington, Del.  
New England Mica Co. Ltd.,  
Waltham, Mass.

National Semiconductors Ltd.,  
146 Bates Rd., Montreal 26, Que.  
National Sound Services Ltd.,  
1785 Bois Franc Rd., Montreal 9,  
Que. Representing:  
Audio Equipment Co., Inc.,  
Port Washington, N.Y.  
R. W. Nell Co., Inc.,  
Chicago 41, Ill.

National Tubular Products Ltd.,  
Glencoe, Ont. Representing:  
Avon Tube Division, Higbie  
Mfg. Co., Rochester, Mich.  
Negretti & Zambra Canada Ltd.,  
518 Evans Ave., Toronto 14, Ont.  
Representing:  
Baldwin Industrial Controls,  
Dartford, Kent, England.  
Neosid (Canada) Ltd.,  
10 Vansco Rd., Toronto 18, Ont.  
Representing:  
Neosid Ltd., Welwyn Garden  
City, England.  
Neosid Ltd., Sydney, Australia.  
Ness & Co., H. A., 698 Weston Rd.,  
Toronto 9, Ont.  
New Hermes of Canada, Ltd.,  
359 St. James St., Montreal, Que.  
Representing:

New Hermes Engraving  
Machine Corp.,  
New York City, N.Y.

Nichols Ltd., R. H., 4544 Dufferin  
St., P.O. Box 500, Downsview, Ont.  
Representing:  
Avo Limited, London, S.W. 1,  
England.  
James G. Biddle Co.,  
Philadelphia, Pa.  
Cambridge Instrument Co.  
Ltd., London, S.W. 1, England.  
Control Corp., Minneapolis  
14, Minn.  
Electric Regulator Corp.,  
Norwalk, Conn.  
Evershed & Vignoles Ltd.,  
London, W. 4, England.  
James Jaquet, S.A., Basle,  
Switzerland.  
P. J. Kipp & Zonen, Delft,  
Holland.

Record Electrical Co. Ltd.,  
Aldrincham, Cheshire, England.  
Ernest Turner Electrical  
Instruments Ltd., High  
Wycombe, Bucks., England.  
Westinghouse Brake & Signal  
Co. Ltd., London, N. 1, Eng.

Nickam Instruments & Supply  
Ltd., 99 Floral Parkway,  
Toronto 15, Ont. Representing:  
Goodmans Industries Ltd.,  
Wembley, Middlesex, England.  
Noranda Copper and Brass Ltd.,  
P.O. Box 1238 Place d'Armes,  
Montreal, Que.

Northern Columbia Process  
Equipment, 1234 Marine Drive,  
North Vancouver, B.C. Rep.:  
Robertshaw-Fulton Controls Co.,  
Aeronautical & Instrument Div.,  
Anaheim, Calif.

Northern Electric Co. Ltd.,  
1600 Dorchester St. W.,  
Montreal, Que. Representing:  
Altec Lansing Corp.,  
Anaheim, Calif.  
General Precision Laboratory  
Inc., Pleasantville, N.Y.  
Lynch Carrier Systems Inc.,  
San Francisco, Calif.  
McLean Engineering  
Laboratories, Princeton, N.J.

Northern Industrial Products Ltd.,  
41 Crockford Blvd., Toronto, Ont.  
Representing:  
Westline Products Div. of  
Western Lithograph Co.,  
Los Angeles 54, Calif.  
Northern Radio Manufacturing  
Co. Ltd., 1950 Bank St.  
Ottawa, Ont. Representing:  
McLean Engineering  
Laboratories, Princeton, N.J.  
Northern Radio Co. Inc.,  
New York 11, N.Y.  
Redifon Canada Ltd.,  
Montreal, Que.

Oki & Willadsen Ltd.,  
47 Crockford Blvd., Scarborough,  
Ont. Representing:  
Alcon Metal Products,  
Chicago 30, Ill.  
Weckesser Co., Chicago 30, Ill.  
Osborne Electric Co. Ltd.,  
95 Wesley St., Toronto 18, Ont.

## P

Pacific Communications Services  
Ltd., 106 East 14th, North  
Vancouver, B.C. Representing:  
Canadian Motorola Electronics  
Ltd., Toronto 16, Ont.  
Ericsson Telephone Sales of  
Canada Ltd., Montreal, Que.  
Thompson Products Ltd.,  
Don Mills, Ont.

Paisley Products of Canada Ltd.,  
36 Upton Rd., Scarborough, Ont.  
Representing:  
Borden Chemical Co. —  
Resinite Dept., North  
Andover, Mass.  
Cleveland Container Co.,  
Cleveland 2, Ohio.  
Electro-Technical Products Div.,  
Sun Chemical Corp.,  
Nutley 10, N.J.  
Emerson Plastics Corp.,  
Bronx 61, N.Y.  
Murex Ltd., Powder Metallurgy  
Div., Rainham, Essex, England.  
Par Industrial Sales Ltd.,  
1704 Avenue Rd., Toronto 12, Ont.  
Paragon-Revolute (Canada) Ltd.,  
2425 Grand Blvd., Montreal, Que.

Representing:  
Subsidiary of Paragon-  
Revolute Corp.  
Rochester 4, N.Y.

Parsons Co. of Canada, Ltd.,  
The Ralph M., 170 University Ave.,  
Toronto, Ont. Representing:  
The Ralph M. Parsons Co. —  
Electronics Div., Pasadena, Calif.

Payette Radio Ltd., 730 St. James  
St. W., Montreal, Que. Rep.:  
APT Electronics Ltd.,  
Byfleet, Surrey, England.  
Richard Allan Radio Ltd.,  
Batley, England.  
Birnback Radio Co., Inc.,  
New York, N.Y.  
Chemalloy Electronics Corp.,  
Santee, Calif.  
Hartley Products Co.,  
New York 51, N.Y.  
Servisol Ltd., Liverpool, Eng.  
Spectrol Electronics Corp.,  
San Gabriel, Calif.  
Wirepots Ltd., Rainham, Eng.

Peacock Brothers Ltd.,  
P.O. Box 1040, Montreal 3, Que.  
Representing:  
The Aldrich Pump Co.,  
Allentown, Pa.  
American Brattice Cloth Corp.,  
Warsaw, Ind.

John Baker & Bessemer Ltd.,  
Rotherham, England.  
Baldwin-Lima-Hamilton Corp.,  
Electronics & Instrumentation  
Div., Waltham 54, Mass.  
The Bin-Dicator Co.,  
Detroit 15, Mich.  
Budenberg Gauge Co. Ltd.,  
Aldrincham, Cheshire, England.  
Cleveland Worm & Gear Co.,  
Cleveland 4, Ohio.

Commercial Iron Works,  
Los Angeles 21, Calif.  
Cuno Engineering Corp.,  
Meriden, Conn.  
Drysdale & Co. Ltd.,  
Glasgow W. 4, Scotland.  
The Farval Corp.,  
Cleveland, Ohio.

Hadfields Ltd., Sheffield 9, Eng.  
The A. F. Holden Co.,  
Detroit 27, Mich.  
Austin Hopkinson & Co. Ltd.,  
Aldenshaw, Lancashire, Eng.  
Hopkinson Ltd.,  
Huddersfield, England.  
International Combustion  
(Export) Ltd.,  
London, W.C. 1, England.

Jerguson Gage & Valve Co.,  
Burlington, Mass.  
M. & C. Switchgear,  
Glasgow, Scotland.  
Charles S. Madan & Co. Ltd.,  
Aldrincham, England.  
Mavor & Coulson Ltd.,  
Glasgow, S.E., Scotland.  
Mechans Ltd.,  
Glasgow W. 4, Scotland.

Meriam Instrument Co.,  
Cleveland 2, Ohio.  
Rockwell Manufacturing Co.,  
Pittsburg 8, Pa.  
The Sentry Co., Foxboro, Mass.  
Siemens-Schucker  
(Great Britain) Ltd.,  
Brentford, Middlesex, England.  
Siskol Machines Ltd.,  
Sheffield 6, England.

Skinner Engine Co., Erie, Pa.  
Vapor Recovery Systems Co.,  
Compton, Calif.  
John Waldron Corp.,  
New Brunswick, N.J.  
G. & J. Weir Ltd.,  
Glasgow, S. 4, Scotland.  
Wrights Ropes Ltd.,  
Birmingham 9, England.

Peckover's Ltd., 115 McCormack  
St., Toronto 9, Ont. Representing:  
Beryllium Corp., Reading, Pa.  
Polypenco Inc., Reading, Pa.  
Peffer Sound Systems Ltd.,  
40 Maurice St., Kitchener, Ont.  
Representing:  
Autophone Ltd.,  
London, S.W. 1, England.

Hale Perran, P.O. Box 4128,  
Station "D", Vancouver, B.C.  
Representing:  
Huck Manufacturing Co.,  
Detroit 7, Mich.  
Petro-Automation Industries Ltd.,  
P.O. Box 72, Edmonton, Alta.

Representing:  
Moore Associates, Inc.,  
Redwood City, Calif.  
Norwood Controls,  
Unit of Detroit Controls,  
Norwood, Mass.  
Skinner Electric Valve Division,  
New Britain, Conn.

Philco Corp. of Canada Ltd.,  
Don Mills Rd., Don Mills, Ont.  
Representing:  
Lansdale Tube Co.,  
Lansdale, Pa.  
Philco Corp., Philadelphia, Pa.  
Sarkes-Tatizan Inc.,  
Bloomington, Ind.

Philips Electronics Industries Ltd.  
116 Vanderhoof Ave., Toronto 17  
Ont. Representing:  
Analogue Controls Inc.,  
Hicksville, N.Y.  
Central Electronics Mfrs.,  
Denville, N.J.  
Ebert Electronics Corp.,  
Queens Village 28, N.Y.  
Geraetebau Anstalt,  
Balzers, Liechtenstein.  
A. W. Haydon Co.,  
Waterbury, Conn.  
Haydon Switch Inc.,  
Waterbury, Conn.  
Julie Research Laboratories,  
New York 32, N.Y.  
C. H. F. Mueller  
Aktiengesellschaft, Hamburg 1,  
Germany.  
Mullard Equipment Ltd.,  
London, W.C. 1, England.  
Oil Well Water Locating Co.,  
Long Beach, Calif.  
N. V. Philips  
Gloeilampenfabrieken,  
Eindhoven, Holland.  
Philips Electronics Inc.,  
Mount Vernon, N.Y.  
Philips Electrical Ltd.,  
London, W.C. 2, England.  
Scientific Atlanta, Inc.,  
Atlanta 9, Ga.

Phillips Electrical Company Ltd.,  
Brockville, Ont. Representing:  
British Insulated Callender's  
Cables Ltd.,  
London, W.C. 1, England.  
Phillips Electrical Construction  
Co., Brockville, Ont.  
Pirelli Cables, Conduits Ltd.,  
77 Richellee, St. Johns, Que.  
Pitt Distributing Company Ltd.,  
80 George St., Toronto 2, Ont.  
Representing:  
Schauer Manufacturing Corp.,  
Cincinnati, Ohio.

Plastiglide Ltd., 241 Bridgeland  
Toronto, Ont. Representing:  
Kilse Mfg. Co.,  
Grand Rapids, Mich.  
Playford Ltd., E. W., P.O. Box 1  
Montreal 28, Que. Representing:  
Natvar Corp., Woodbridge, N.J.  
Resinite Corp., Chicago 15, Ill.  
Plessey Co. of Canada Ltd.,  
243 Dunbar Ave., Town of Moun  
Royal, Que. Representing:  
Plessey International Ltd.,  
Ilford, Essex, England (Expor  
organization for the Plessey  
group of companies).  
Plewes Co., 52 Humbcrest Blvd.  
Toronto 9, Ont. Representing:  
Douglas Microwave Co.,  
Mount Vernon, N.Y.  
Federal Pacific Electric Co., Inc.  
Newark, N.J.  
Marshall Electronics Co.,  
Newark, N.J.  
National Moldite Co.,  
Newark, N.J.  
Penta Laboratories Inc.,  
Santa Barbara, Calif.  
Steuer-Locke Specialties Inc.,  
Honeyoe Falls, N.Y.  
Syntron (Canada) Ltd.,  
Stoney Creek, Ont.  
Pointon Ltd., Charles W.,  
66 Racine Rd., Rexdale, Ont.  
Representing:  
Astron Sales Corp.,  
East Newark, N.J.  
Cardwell Condenser Corp.,  
Plainville, Conn.  
Carter Motor Co., Chicago, Ill  
Ceri-Dale Ltd., Toronto, Ont.

C. T. Chapman (Reproducers) Ltd., High Wycombe, Bucks, England.  
 Dale Products, Inc., Columbus, Neb.  
 Don Bosco Electronics Co., Plainfield, N.J.  
 Duotone Co. Inc., Keyport, N.J.  
 Garrard Engineering & Mfg. Co. Ltd., Swindon, Wilts., Eng.  
 General Cement Mfg. Co., Rockford, Ill.  
 General Industries Co., Elyria, Ohio.  
 Multicore Solders Ltd., Hemel Hempstead, England.  
 Pickering & Co. Inc., Plainview, N.Y.  
 Radiart Corp., Cleveland, Ohio.  
 John F. Rider Publisher, Inc., New York 11, N.Y.  
 RJ Audio Products, New York, N.Y.  
 Rola-Celestion Ltd., Thames Ditton, England.  
 Thordarson-Meissner, Mt. Carmel, Ill.  
 Trimm Inc., Libertyville, Ill.  
 Xcelite Inc., Orchard Park, N.Y.

Polytronics Co., 582 Bathurst St., Toronto 4, Ont. Representing: Photomation, Inc., (formerly Ess Instrument Co.), Bergenfield, N.J.  
 Potter & Brumfield Canada Ltd., 135 Oxford St., Guelph, Ont.  
 Powertronic Equipment Ltd., 50 Bermondsey Rd., Toronto 16, Ont. Representing: Redifon Ltd., London, S.W. 18, England.  
 Power & Mine Supply Co. Ltd., 123 Princess St., Winnipeg, Man. Representing: Rauland-Borg Corp., Chicago 18, Ill.  
 Powerlite Devices Ltd., 54 Atomic Ave., Toronto 18, Ont. Rep.: Felten & Guillaume Carlswerk, Cologne, Germany.  
 Joslyn Mfg. & Supply Co., Chicago 6, Ill.

Precision Dials Ltd., 21 Dundas Sq., Toronto, Ont.  
 Precision Electronic Components (1956) Ltd., 50 Wingold Ave., Toronto 19, Ont. Representing: Reon Resistor Corp., Yonkers, N.Y.  
 Price, L. M., 185 Poplar Plains Rd., Toronto 7, Ont. Representing: Thomas Electronics, Inc., Passaic, N.J.  
 Prince and Roberts, 61 Charles St. W., Toronto, Ont. Rep.: Amalgamated Electric Corp. Ltd., Toronto, Ont.  
 Auth Electric Co., Inc., Long Island City 1, N.Y.  
 W. H. Saunders (Electronics) Ltd., Stevenage, Herts, England.  
 Pritchard X-Ray, J. B., 11 Franklin Ave., Willowdale, Ont.  
 Process Instrument Systems Ltd., 1918 Avenue Rd., Toronto, Ont.  
 Proto Tools of Canada, Ltd., P.O. Box 366, London, Ont.  
 Pyc Canada Limited, 84 Northline Rd., Toronto 16, Ont.  
 Pyc Canada Ltd., Transmission Division, McMaster Ave., Ajax, Ont. Representing: Conrac Inc., Glendora, Calif.  
 Ling Electronics Inc., North Hollywood, Calif.  
 Pylon Electronic Development Co. Ltd., 161 Clement St., La Salle, Montreal 32, Que.

**Q**  
 Quality Hermetics Ltd., 45 Hollinger Rd., Toronto 16, Ont. Representing: Hermetic Seal Corp., Newark, N.J.

**R**  
 RC Testing & Control Systems, 618 Vaughan Rd., Toronto 10, Ont. Representing: Hamner Electronics Co., Inc., Princeton, N.J.  
 RC Testing and Control Systems, 161 Locksley Ave., Toronto, Ont.  
 Landsverk Electrometer Co., Glendale, Calif.  
 RC Testing & Control Systems, 240 Adelaide St. W., Toronto 1, Ont. Representing:

Ernst Norrman Laboratories, Williams Bay, Wis.  
 RCA Victor Company Ltd., 1001 Lenoir St., Montreal, Que. Representing: Fidelitone Inc., Chicago, Ill.  
 Radio Specialty Mfg. Co., Portland 14, Oregon.  
 R-O-R Associates Limited, 1470 Don Mills Rd., Don Mills, Ont. Representing: Ballantine Laboratories Inc., Boonton, N.J.  
 Berkeley Division, Beckman Instruments Inc., Richmond, Calif.  
 Bomac Laboratories Inc., Beverly, Mass.  
 Bruel & Kjaer, Naerum, Denmark  
 Hellpot Division, Beckman Instruments, Fullerton, Calif.  
 Hughes Aircraft Co., Culver City, Calif.  
 Hughes Products, Semiconductor Div., Hughes Aircraft Co., Newport Beach, Calif.  
 International Electronic Research Corp., Burbank, Calif.  
 George Kelk Limited, Willowdale, Ont.  
 F. L. Moseley Co., Pasadena, Calif.  
 Precision Instrument Co., San Carlos, Calif.  
 Sanborn Co., Waltham, Mass.  
 Technical Products Co., Los Angeles 38, Calif.  
 Wandel & Goltermann, Rcutlingen, Germany.

R & M Bearings Canada Ltd., 1006 Mountain St., Montreal, Que. Representing: Carbone Corp., Boonton, N.J.  
 The Helm Co., Fairfield, Conn.  
 Hyatt Bearing—Div. of General Motors Corp., Harrison, N.J.  
 The Kaydon Engineering Corp., Muskegon, Mich.  
 "Metalline" Spadone-Alfa Corp., South Norwalk, Conn.  
 Perth Metal Industries, Stratford, Ont.  
 Ransome & Marles Bearing Co. Ltd., Newark-on-Trent, England.  
 New Departure, Div. of General Motors, Bristol, Conn.  
 Sanfer Bearings, Div. of Chain Belt Co., Downers Grove, Ill.  
 Radellin Ltd., 106 Lakeshore Rd. East, Port Credit, Ont. Rep.: United States Radium Corp., Morristown, N.J.  
 Radio Center, 1425 Bois Franc, Montreal, Que. Representing: Kurman Electric Co., A Subsidiary of Crescent Petroleum Corp., Brooklyn 22, N.Y.

Radio College of Canada, 461 King St. W., Toronto, Ont.  
 Radio Components Ltd., 50 Wingold Ave., Toronto 19, Ont. Representing: Oak Manufacturing Co., Chicago 10, Ill.  
 Ward Products Corp., Amsterdam, N.Y.  
 Radio Condenser Company Ltd., 6 Bermondsey Rd., Toronto 16, Ont. Representing: Price Electric Corp., Frederick, Md.  
 Radio Engineering Products, 1080 University St., Montreal 3, Que.  
 Radio Essentials, 1669 Lakeshore Rd., Long Branch, Ont. Rep.: Hartley Products Co., New York 51, N.Y.  
 Radio Speakers (Canada) Ltd., 37 Hanna Ave., Toronto, Ont.  
 Radio Trade Supply Ltd., 490 Yonge St., Toronto, Ont. Rep.: Aerovox Canada Ltd., Hamilton, Ont.  
 Amperex Electronic Corp., Long Island, N.Y.  
 Amphenol Canada Ltd., Toronto, Ont.  
 American Television & Radio Co., Inc., St. Paul, Minn.  
 Bach-Simpson Ltd., London, Ont.  
 Belden Mfg. Co., Chicago, Ill.  
 Bogen-Presto Co., Paramus, N.J.  
 Canadian Astatic Ltd., Toronto 13, Ont.  
 Carling Electric, Inc., West Hartford, Conn.  
 Centralab Div., Globe-Union, Inc., Milwaukee, Wis.  
 Claifex, New York, N.Y.

Drake Mfg. Co., Chicago 22, Ill.  
 Fanon Electric Co., Brooklyn 8, N.Y.  
 Hammond Mfg. Co. Ltd., Guelph, Ont.  
 IRC Resistors, Div. of Renfrew Electric Co. Ltd., Toronto 8, Ont.  
 J F D Electronics, Inc., Brooklyn, N.Y.  
 Knight Kits, Chicago, Ill.  
 Littelfuse, Inc., Des Plaines, Ill.  
 Mullard Overseas Ltd., London, England.  
 National Carbon Co., Toronto 4, Ont.  
 Potter & Brumfield Canada Ltd., Guelph, Ont.  
 Radiart Corp., Indianapolis, Ind.  
 Rogers Electronic Tubes & Components (A Div. of Phillips Electronic Industries Ltd.), Toronto, Ont.  
 Sarkcs Tarzian, Inc., Bloomington, Ind.  
 Sprague International Ltd., North Adams, Mass.  
 Triplet Electrical Instrument Co., Bluffton, Ohio.  
 University Loudspeakers, Inc., White Plains, N.Y.  
 Ward Leonard of Canada Ltd., Toronto 16, Ont.

Radionics Limited, 8230 Mayrand St., Montreal 9, Que. Rep.: Adage Inc., Cambridge 42, Mass.  
 Airborne Instruments Laboratory Inc., Huntington Station, N.Y.  
 Atomic Accessories Inc., Bellerose 26, N.Y.  
 Baird Atomic Inc., Cambridge, Mass.  
 CBS Laboratories, Stamford, Conn.  
 Di/AN Controls Inc., Boston, Mass.  
 FXR Inc., Woodside 77, N.Y.  
 Huggins Laboratories Inc., Sunnyvale, Calif.  
 Julie Research Labs. Inc., New York 32, N.Y.  
 Menlo Park Engineering, Menlo Park, Calif.  
 NJE Corporation, Kenilworth, N.J.  
 New England Nuclear Corp., Boston, Mass.  
 Radiation Inc., Melbourne, Fla.  
 Southwestern Industrial Electronics Inc., Houston, Texas.  
 Tullamore Electronics Corp., (A Subsidiary of Victoreen Instrument Co.), Chicago 36, Ill.  
 Veeco Vacuum Corp., New Hyde Park, L.I., N.Y.  
 Victoreen Instrument Co., Cleveland, Ohio.  
 Westronics Inc., Fort Worth, Texas.

Railway & Power Engineering Corp., Ltd., 3745 St. James St. W., Montreal, Que. Representing: Adams Rite Manufacturing Co., Glendale, Calif.  
 Adel Precision Products, Huntington, W. Va.  
 Airtite Products Inc., Los Angeles, Calif.  
 The Albany Company Inc., New York, N.Y.  
 Anti-Corrosive Metal Products, Albany, N.Y.  
 Arrowhead Products, Downey, Calif.  
 Auto-Valve, Inc., Dayton, Ohio.  
 Breeze Corporation, Inc., Newark, N.J.  
 Homer D. Bronson Co., Beacon Falls, Conn.  
 Canadian Controllers Ltd., Scarborough, Ont.  
 Crucible Steel Co. of America, Pittsburgh, Pa.  
 Dzus Fastener Co., Babylon, N.Y.  
 Elastic Stop Nut Corp. of America, Union, N.J.  
 Electrol, Inc., Kingston, N.Y.  
 Humphrey, Inc., San Diego, California.  
 Kasar Manufacturing & Distributing Co., Los Angeles, Calif.  
 Lear, Inc., Grand Rapids, Mich.  
 Lear-Romec Div., Elyria, Ohio.  
 Lefco Products, Inc., Van Nuys, Calif.  
 Lord Manufacturing Co., Erie, Pa.  
 Luminator, Inc., Chicago, Ill.  
 Ohio Seamless Tube Div. of Copperwell Steel Co., Shelby, Ohio.

Olympic Screw & Rivet Corp., Downey, Calif.  
 Parker Aircraft Co., Los Angeles, Calif.  
 Potts Manufacturing Co., Arlington, Texas.  
 Reeves Brothers Inc., New York, N.Y.  
 Republic Manufacturing Co., Cleveland, Ohio.  
 Rigidized Metals Corp., Buffalo, N.Y.  
 Rockford Screw Products Co., Rockford, Ill.  
 Safeway Heat Elements, Inc., Middletown, Conn.  
 Shur-Lok Corp., Anaheim, Calif.  
 Stratos Corp., Farmingdale, N.Y.  
 The H. I. Thompson Co. of Canada, Ltd., Guelph, Ont.  
 Waveguide, Inc., Van Nuys, Calif.  
 West Coast Electrical Mfg. Corp., Los Angeles, Calif.  
 Winchester Electronics, Inc., New Milford, Conn.

Randall (Canada) Ltd., Douglas, 126 Manville Rd., Scarborough, Ont. Representing: American Electric Mfg. Corp., Memphis 8, Tenn.  
 Arrow Radio Co., Toronto, Ont.  
 Bourns Laboratories Inc., Riverside, Calif.  
 Diehl Mfg. Co., Somerville, N.J.  
 Electrix Terminal & Connectors Inc., Cleveland 3, Ohio.  
 Electronic Controls Ltd., Belleville, Ont.  
 The Gamewell Co., Newton Upper Falls 64, Mass.  
 Microtran Company Inc., Valley Stream, L.I., N.Y.  
 North American Electronics, Lynn, Mass.  
 Reeves Instrument Corp., New York 28, N.Y.  
 Taurus Corp., Lambertville, N.J.  
 Telectro Industries, Long Island City 1, N.Y.  
 U.S. Gear Corp., Wakefield, Mass.

Rankin & Co., J., 901 Royal Bank Bldg., Winnipeg, Man. Rep.: Mid West Spring Mfg. Co., Chicago 9, Ill.  
 Rawplug Products (Canada) Ltd., Rawplug Building, 7320 Upper Lachine Rd., Montreal 28, Que. Representing: The Rawplug Co. Ltd., London, S.W. 7, England.  
 Raybestos-Manhattan (Canada) Ltd., Peterborough, Ont. Rep.: Raybestos-Manhattan, Inc., Manhattan Rubber Div., Passaic, N.J.

Ray-O-Vac Ltd., Berry & Sargent, Winnipeg, Man. Representing: Canadian Westinghouse Co. Ltd., Hamilton, Ont.  
 Raytheon Canada Ltd., 61 Laurel St. East, Waterloo, Ont. Rep.: Raytheon Co., Waltham, Mass.  
 Redifon Canada, A Division of Rediffusion Inc., 6301 Park Ave., Montreal 8, Que. Representing: Redifon Ltd., London, S.W. 18, England.  
 Reid, I. J., Reid Bldg., Duckworth St., St. John's, Newfoundland. Representing: Eagle Electric Mfg. Co., Inc., Long Island City 1, N.Y.  
 Reliance Typewriter Co., 322 Donald St., Winnipeg, Man.  
 Remington Rand Ltd., 984 Bay St., Toronto, Ont.  
 Research Instrumentation Ltd., 203 Prince Arthur St. W., Montreal, Que. Representing: Baird-Atomic Inc., Cambridge, Mass.  
 Robbins & Myers Co. of Canada Ltd., The Brantford, Ont.  
 Robertson Mfg. Co. Ltd., The P. L., Milton, Ont. Representing: The Palnut Co., Mountside, N.J.  
 Robinson Company, C. M., 1550 Erin St., Winnipeg 3, Man. Representing: Biley Electric Co., Erie, Pa.  
 JBT Instruments Inc., New Haven, Conn.  
 Kester Solder Co. of Canada Ltd., Brantford, Ont.  
 Merit Coll & Transformer Corp., Hollywood, Fla.  
 Ohmite Mfg. Co., Skokie, Ill.  
 Shure Bros. Inc., Evanston, Ill.  
 Sprague International Ltd., North Adams, Mass.  
 Triplet Electrical Instrument Co., Bluffton, Ohio.

**Togers Electronic Tubes & Components**, 116 Vanderhoof Ave., Toronto 17, Ont. Representing: **Amperex Electronic Corp.**, Hicksville, N.Y. **Ferroxcube Corp. of America**, Saugerties, N.Y.

**Tomex Company, The**, 777 Lacombe Ave., Montreal 26, Que. Representing: **Cincinnati Sub Zero Products**, Cincinnati 29, Ohio.

**Toss & Sons Ltd.**, Frank T., 384 Ross Crescent, West Vancouver, B.C. Rep.: **Burton Rogers Co.**, Cambridge 42, Mass. **Metalone Canada Ltd.**, Scarborough, Ont. **Ohio Carbon Co.**, Cleveland, Ohio. **Vicher Tool Co.**, Cleveland, Ohio. **Tinit Manufacturing Co. Ltd.**, Victoria, B.C.

**Rosser Sales & Equipment Co.**, 106 St. Mary's St., Fredericton, N.B. Representing: **D. W. Onan & Son, Inc.**, Minneapolis 14, Minn.

**Rotor Electric Company Ltd.**, 195 Rexdale Blvd., Rexdale, Ont. **Rousseau Controls Ltd.**, 140 Decourcelle St., Montreal 30, Que. Representing: **Barber-Colman Co.**, Rockford, Ill. **Barksdale Valves**, Los Angeles 58, Calif. **Fenwal Electronics Inc.**, Framingham, Mass. **Fenwal Inc.**, Ashland, Mass. **Rubbercraft Corp. of California**, Torrance, Calif. **Seely Instruments Co. Inc.**, Niagara Falls, N.Y.

**Royal Electric Co. (Quebec) Ltd.**, 171 Hymus Blvd., Pointe Claire, Que. **Royal Metal Manufacturing Co., Ltd.**, Galt, Ont.

**Ruggles Company Ltd., H. P.**, 88 Caroline St. N., Hamilton, Ont. Representing: **Belding-Corticelli Ltd.**, Montreal 3, Que. **Enfo Corp.**, Maple Shade, N.J. **Fiberglas (Canada) Ltd.**, Toronto, Ont. **Glatic Corp.**, Cleveland, Ohio. **Kendall Company Canada Ltd.**, (Polyken Div.), Toronto, Ont. **L. Frank Markel & Sons**, Norristown, Pa. **Mica Company of Canada Ltd.**, Hull, Que. **Mica Insulator Div. of Minnesota Mining Co. Ltd.**, Schenectady 1, N.Y. **Micarta Div. of Canadian Westinghouse Co.**, Hamilton, Ont. **Minnesota Mining & Mfg. of Canada Ltd.** (Irvington Div.), Toronto, Ont. **Spaulding Fibre Canada Ltd.**, Toronto, Ont. **Turners Asbestos Cement Co. Ltd.**, Manchester 17, Lancs., Eng. **Westline Products Div. of Western Lithograph Co.**, Los Angeles 54, Calif.

**Rutherford Agencies**, 305 Decarie Blvd., St. Laurent, Que. (Mailing address — P.O. Box 1013, St. Laurent, Que.) Representing: **Argos Products Co. Inc.**, Genoa, Ill. **Canadian Electronics Ltd.**, Edmonton, Alta. **Cornell-Dubilier Electric Corp.**, South Plainfield, N.J. **Darling Technical Laboratories**, Costa Mesa, Calif. **White Radio Ltd.**, Hamilton, Ont.

**S**

**S.I.D.A.M. Ltd.**, 16 Racine Rd., Rexdale, Ont. Representing: **Drefflo Ing.**, Paul Drewell, M. Gladbach, West Germany. **G. Gambke**, Berlin, West Germany. **Hanhart, Schwenningen**, West Germany. **Physica G.m.b.H.**, Gottingen, West Germany. **Phywe A. G.**, Goettingen, West Germany.

**SIDO Limited**, 555 Boulevard Bolvin, Granby, Que.

**SIE (Canada) Ltd.**, 5513 Third St. S.E., Calgary, Alta. Representing: **Southwestern Industrial Electronics Co.**, Houston 19, Texas.

**St. Cyr, Maurice**, 796 Blvd. Charest Est, Quebec, P.Q. Representing: **Hartley Products Co.**, New York 51, N.Y.

**St. Johns Metal Stamping Co. Ltd.**, 205 Blvd. Seminaire, St. Johns, Que.

**St. Lawrence Chemical Co. Ltd.**, 5405 Pare St., Montreal 16, Que. **Safety Supply Co.**, 214 King St. E., Toronto, Ont. Representing: **Johnson-Williams, Inc.**, Palo Alto 41, Calif.

**Sanitherm Engineering Ltd.**, 1556 Robson St., Vancouver, B.C. Representing: **Barber-Colman Co.**, Rockford, Ill.

**Saxonburg Ceramics (Canada)**, 26 Truman Rd., Willowdale, Ont. **Scammell, J. F.**, 12 Glenmorris Drive, Dundas, Ont. Representing: **Dorsett Laboratories, Inc.**, Norman, Okla. **Winchester Electronics Inc.**, Norwalk, Conn.

**Scherer Ltd., R. P. (Electrolube)**, 1370 Argyle Rd., Windsor, Ont. **Scientific Supplies Co.**, 2625 Skeena St., Vancouver 12, B.C. Representing: **Braun-Knecht-Heimann Co.**, Glass Engineering Dept., Belmont, Calif. **Despatch Oven Company**, Minneapolis, Minn.

**Seabreeze Sales Limited**, 66 Jutland Rd., Toronto 18, Ont. Representing: **Armstrong Corp.**, Huntington, W. Va. **Livingston Audio Corp.**, Caldwell, N.J. **Ronette**, Amsterdam, Holland. **V. M. Corporation**, Benton Harbor, Mich.

**Secord, Arthur O.**, 54 Baby Point Crescent, Toronto 9, Ont. Rep.: **Co-Operative Industries, Inc.**, Chester, N.J.

**Seeley & Co. (Canada) Ltd.**, 60 Brydon Drive, Rexdale, Ont. Representing: **Seeley & Company Ltd.**, London, N.W. 1, England.

**Selck of Canada Ltd.**, Walter E., 53 Tycoos Drive, Toronto, Ont. Representing: **Midget Louver Co.**, Norwalk, Conn.

**Servomechanisms (Canada) Ltd.**, 123 Rexdale Blvd., Rexdale, Ont. Representing: **Servomechanisms, Inc.**, Hawthorne, Calif. **Servomechanisms, Inc.**, Mechatrol Div., Westbury, L.I. N.Y.

**Shakeproof Fastex (Div. of Canada Illinois Tools Ltd.)**, 67 Scarsdale Rd., Don Mills, Ont. Representing: **Shakeproof Div. of Illinois Tool Works**, Elgin, Ill.

**Sharpe Instruments Ltd.**, 6080 Yonge St., Willowdale, Ont. **Shaw Company, D. T.**, 2340 Lucerne Rd., Montreal 16, Que. Representing: **Heinemann Electric Co.**, Trenton, N.J. **Lapp Insulator Inc.**, LeRoy, N.Y. **Sigma Instruments, Inc.**, South Braintree, Mass.

**Sheppard, R. D. B.**, 2036 Prince Charles Rd., Ottawa 3, Ont. Representing: **Eitel-McCullough Inc.**, San Carlos, Calif. **Fairchild Controls Corp.**, Components Div., Hicksville, N.Y. **Fairchild Semiconductor Corp.**, Palo Alto, Calif.

**Showalter, R. J.**, 1028-39th Ave. N.W., Calgary, Alta. Rep.: **E.C.C. Canada Ltd.**, Toronto 15, Ont. **Electric Panel Mfg. Ltd.**, Vancouver, B.C. **Esterline-Angus Inc.**, Indianapolis, Ind. **G. M. Fraser Ltd.**, Toronto, Ont. **Richardson Allen of Canada Ltd.**, Toronto, Ont. **R. Spratt & Co. Ltd.**, Toronto, Ont. **Sterling Electrical Co. Ltd.**, St. Catharines, Ont. **Techniquip Co. Ltd.**, Toronto, Ont.

**Ward Leonard of Canada Ltd.**, Toronto, Ont. **Webb Industries Inc.**, Bay Village, Ohio. **Westco Pump & Engineering Ltd.**, Toronto, Ont. **Young Hardware Co.**, Elyria, Ohio.

**Siemens Edison Swan (Canada) Ltd.**, 419 Notre Dame Ave., Winnipeg, Man. Representing: **Aldridge Plastics Ltd.**, Aldridge, Staffs., England. **Alfred Graham & Co. Ltd.**, Halifax, Yorks., England. **Siemens Edison Swan Ltd.**, London, England.

**Sievers, W. W.**, Thomas Bldg., 101st St., Edmonton, Alta. Rep.: **Melody Master Mfg. Co.**, Chicago 18, Ill.

**Silvercel of Canada Ltd.**, 10 Wickman Rd., Toronto 14, Ont. Representing: **Venner Accumulators Ltd.**, New Malden, Surrey, England. **Yardney Electric Corp.**, New York 13, N.Y.

**Simmonds & Sons Ltd., A. C.**, 100 Merton St., Toronto 7, Ont. Representing: **Collaro Ltd.**, Barking, Eng. **Curtis Development & Mfg. Co.**, Milwaukee, Wis. **Goodmans Industries Ltd.**, Wembley, England. **Guardian Electric Mfg. Co.**, Chicago, Ill. **Holub Industries**, Sycamore, Ill. **Industrial Timer Corp.**, Newark, N.J. **E. F. Johnson Co.**, Waseca, Minn. **Johnson Matthey & Mallory Ltd.**, Toronto, Ont. **P. R. Mallory & Co. Inc.**, Indianapolis, Ind. **Mallory Capacitor Co.**, Indianapolis, Ind. **Ohmrite Mfg. Co.**, Skokie, Ill. **Howard W. Sams & Co. Inc.**, Indianapolis, Ind. **Shure Brothers Inc.**, Evanston, Ill. **Sterling Mfg. Co.**, Cleveland, Ohio. **Weller Electric Corp.**, Easton, Pa. **Weller Mfg. Corp.**, Bayamon, Puerto Rico.

**Simmonds Aerocessories of Canada Ltd.**, 637 Parkdale Ave. N., Hamilton, Ont. Representing: **Dage Electric Co., Inc.**, Beech Grove, Ind. **Simmonds Aerocessories, Inc.**, Tarrytown, N.Y.

**Simon-Maxwell Ltd.**, 1931 West Georgia St., Vancouver, B.C. Rep.: **Kato Engineering Co.**, Mankato, Minn. **D. W. Onan & Son, Inc.**, Minneapolis 14, Minn. **Sinclair Radio Labs Ltd.**, 21 Toro Rd., Box 179, Downsview, Ont. **Smalley's Radio Ltd.**, 1105-7th Ave. W., Calgary, Alta. Rep.: **Multi Products Co.**, Oak Park 37, Mich. **Smallwood Ltd., S. G.**, 391-397 King St. E., Kitchener, Ont. Rep.: **Radio Television Products Corp.**, Grass Lake, Mich. **Smith Co., C. H.**, 4260 Gascon St., Montreal, Que. Representing: **Rapid Electric Co.**, Bronx 61, N.Y. **Smith Limited, Irving**, 2095 Madison Ave., Montreal, Que. Representing: **Atlas Radio Corp.**, Toronto, Ont. **Bach-Simpson Ltd.**, London, Ont. **Baker Instruments**, Toronto, Ont. **Canadian General Electric Co.**, Peterborough, Ont. **Chadsey Corp.**, Hartford, Conn. **Crown Industrial Products**, Woodstock, Ill. **Cunningham and Hill**, Toronto, Ont. **Ideal Industries, Inc.**, Sycamore, Ill. **Lovejoy Flexible Coupling Co.**, Chicago, Ill. **R. H. Nichols Ltd.**, Toronto, Ont. **Peerless Bros. Agencies**, Vancouver, B.C. **Stark Electronic Sales Co.**, Ajax, Ont. **The States Company**, Hartford, Conn. **Trico Fuse Mfg. Co.**, Milwaukee, Wis.

**Smith Co. Ltd., W. M.**, 892 Long Drive, Burlington, Ont. Representing: **Sperry Products Inc.**, Danbury, Conn. **Stripplit Tool & Machine Co.**, Brampton, Ont. **Smith & Sons (Canada) Ltd., S.**, 105 Scarsdale Rd., Don Mills, Ont. **Smith Packaging Ltd.**, 106 Advance Rd., Toronto 18, Ont. Representing: **The Impact-O-Graph Corp.**, Cleveland 15, Ohio. **Smith & Stone Ltd.**, 50 St. Clair Ave. W., Toronto, Ont. Rep.: **Ark-Les Switch Corp.**, Watertown 72, Mass. **The Bryant Electric Co.**, Bridgeport 2, Conn. **Smyth Electronic Components Ltd.**, 380 Craig St. W., Montreal 1, Que. Representing: **Acoustical Mfg. Co. Ltd.**, Huntingdon, England. **Advance Components Ltd.**, Hainault, Ilford, Essex, Eng. **Electralab Printed Electronics Corp.**, Natick, Mass. **Electro-Sonic Laboratories Inc.**, Long Island City 6, N.Y. **Luxor Industri Aktiebolag**, Motala, Sweden. **"Musicmaster"/Suzuki Denki Co. Ltd.**, Tokyo, Japan. **Nucleonic Products Co. Inc.**, Los Angeles 23, Calif. **Phalo Plastics Corp.**, Shrewsbury, Mass. **Reslosound Ltd.**, Romford, Essex, England. **Stability Capacitors Ltd.**, London E. 18, England. **Suflex Ltd.**, London, W. 1, Eng. **Wharfedale Wireless Works Ltd.**, Bradford, Yorkshire, Eng. **Zeva Elektristats-Ges.**, Arolsen (Waldeck), Germany. **Sneigrove Co. Ltd., C. R.**, 141 Bond Ave., Don Mills, Ont. **Sola Electric (Canada) Ltd.**, 24 Canmotor Ave., Toronto, Ont. Representing: **Hevi-Duty Electric Co.**, Milwaukee, Wis. **Sonneborn Ltd.**, 133 Laird Drive, Toronto 17, Ont. **Soundmaster Ltd.**, 283 Bank St., Ottawa, Ont. **Soundscription Service**, 5239 Park Ave., Montreal, Que. Rep.: **Hartley Products Co.**, New York 51, N.Y. **Sound Supply Ltd.**, 1214 Burrard St., Vancouver 1, B.C. Rep.: **Hartley Products Co.**, New York 51, N.Y.

**Southwestern Industrial Electronics (Canada) Ltd.**, 434 7th Ave. S.E., Calgary, Alta. **Sparling Sales Ltd.**, 120 King St., Winnipeg, Man. Representing: **Multi Products Co.**, Oak Park 37, Mich. **Sparton of Canada Ltd.**, Elm St., London, Ont. **Spaulding Fibre of Canada Ltd.**, 70 Coronet Rd., Toronto 18, Ont. Representing: **Spaulding Fibre Co. Inc.**, Tonawanda, N.Y. **Speight Laboratories**, N. H., 130 Simcoe St., Toronto, Ont. **Sperry Gyroscope Co. of Canada Ltd.**, P.O. Box 710, Montreal, Que. **Sperry Gyroscope Ottawa Ltd.**, 3 Hamilton Ave., Ottawa, Ont. Representing: **M. H. Rhodes, Inc.**, Hartford 6, Conn. **Telephonics Corp.**, Long Island, N.Y. **Spillsbury & Tindall Ltd.**, 120 East Cordova St., Vancouver 4, B.C. **Stairs, Son & Morrow Ltd., Wm.**, 174-190 Lower Water St., Halifax, N.S. Representing: **D. W. Onan & Son, Inc.**, Minneapolis 14, Minn. **Standard Coil Products (Canada) Ltd.**, 37 Drummond St., Toronto 14, Ont. Representing: **Kollman Instrument Inc.**, Elmhurst, N.Y. **Standard Coil Products Co. Inc.**, Melrose Park, Ill. **Standard Electric Time Co. of Canada Ltd.**, 726 St. Felix St., Montreal, Que. **Standard Telephones & Cables Mfg. Co. (Canada) Ltd.**, 9600 St. Lawrence Blvd., Montreal, Que. Representing: **Bell Telephone Mfg. Co.**, Antwerp, Belgium.

Creed & Co. Ltd., Croydon, Surrey, England.  
 Federal Telephone & Radio Corp., Clifton, N.J.  
 International Standard Electric Corp., New York 7, N.Y.  
 I.T.T. Development Laboratories, Nutley, N.J.  
 I.T.T. Industrial Products Division, Lodi, N.J.  
 Kellogg Switchboard & Supply Co., Chicago 3, Ill.  
 Nippon Electric Co., Tokyo, Japan.  
 Standard Electric Lorenz A.G., Stuttgart-Zuffenhausen, Germany.  
 Standard Telephone & Radio S. A., Zurich, Switzerland.  
 Standard Telephones & Cables Ltd., London, W.C. 2, England.

Standard Television Products Ltd., 108 Sydney St., Kitchener, Ont.

Standard Wire & Cable Ltd., 70 Wingold Ave., Toronto 19, Ont.

Stanwyck Coil Products Ltd., 17 Laurier St., Box 1059, Hawkesbury, Ont. Rep.: Stanwyck Winding Co. Inc., Newburgh, N.Y.

Star Precision Devices, 1061 The Queensway, Toronto 18, Ont.

Stark Electronic Sales Co., Ajax, Ont. Representing: Anton Electronic Labs., Brooklyn 37, N.Y.  
 Hickok Electrical Instrument Co., Cleveland, Ohio.  
 North Hills Electronic Co., Mineola, N.Y.  
 Peschel Electronics, Patterson, N.Y.  
 Science Electronics Inc., Cambridge, Mass.  
 Shielding Inc., Riverton, N.J.  
 Stark Electronic Instruments Ltd., Ajax, Ont.  
 Thorens Co., New Hyde Park, N.Y.

Stark, R. W., 32 Plaunt St. N., (Box 185), Renfrew, Ont. Rep.: Maraco Manufacturing Co., Chicago, Ill.  
 McQuay-Norris Mfg. Co. (Electric Products Div.), St. Louis, Mo.  
 Proctor Electric Co., Philadelphia, Pa.  
 Stevens Mfg. Co., Mansfield, Ohio.

Steeves Ltd., Ken, 376 Cartier Place, Windsor, Ont. Rep.: Melody Master Mfg. Co., Chicago 18, Ill.

Stegg Electric Ltd., P.O. Box 211, Belleville, Ont.  
 Sterling Marking Products Ltd., 74 Carling Rd., London, Ont. Rep.: New Hermes Engraving Machine Corp., New York, N.Y.  
 Stewart & Sons Ltd., Wm. B., 97 Eglinton Ave. E., Toronto, Ont. Representing: The Narrow Fabric Co., Reading, Pa.  
 Strippitt Tool & Machine Co., Hansen Rd., Brampton, Ont.  
 Struthers-Dunn Relays, Division of Renfrew Electric Co. Ltd., 349 Carlaw Ave., Toronto, Ont. Representing: Struthers-Dunn Inc., Pitman, N.J.  
 Super Motor & Electric Ltd., 38 Fieldway Rd., Toronto, Ont. Representing: D. W. Onan & Son, Inc., Minneapolis 14, Minn.  
 Sylvania Electric (Canada) Ltd., 6233 Cote de Liesse Rd., Montreal 9, Que.  
 Syntron (Canada) Ltd., 928 Queenston Rd., Stoney Creek, Ont. Representing: Syntron Co., Homer City, Pa.

**T**

T.M.C. (Canada) Ltd., River and Limebank Rds., R.R. No. 5, Ottawa, Ont. Representing: Great Northern Telegraph Works, Copenhagen, Denmark.  
 Technical Material Corp., New York, N.Y.  
 Tasso Agencies, Emile, 1509 Sherbrooke St. W., Montreal 25, Que. Representing: Elektro-Physik, Koln-Riehl, Germany.

E. Fischer & Co., Busswil-Bienne, Switzerland.  
 Eths. Legpa, Paris 18e, France.  
 Nash & Thompson Ltd., Chessington, Surrey, England.  
 Joh. Urbanek & Co., Nurnberg, Germany.

Tatnall Measuring and Nuclear Systems, 46 Hollinger Rd., Toronto 16, Ont. Representing: W. C. Dillon & Co. Inc., Van Nuys, Calif.  
 Ellis Associates, Pelham, N.Y.  
 Gilmore Industries, Cleveland 20, Ohio.  
 Marshall Products, Columbus 2, Ohio.  
 Moorehouse Machine Co., York, Pa.  
 Nuclear Systems, Div. of The Budd Co., Philadelphia, Pa.  
 Sperry Products Inc., Danbury, Conn.  
 Tatnall Measuring Systems, Phoenixville, Pa.  
 Torsion Balance Co., Clifton, N.J.

Taylor Instrument Companies of Canada Ltd., 75 Tycoos Drive, Toronto 19, Ont. Representing: Taylor Controls Ltd., London, England.  
 Taylor-Emmett Controls, Inc., Akron 9, Ohio.  
 Taylor-Short & Mason Ltd., London, England.

Taylor-Leslie Mining & Engineering Corp. Ltd., P.O. Box 312, Terminal "A", Toronto, Ont. Representing: Columbus Electronics, Yonkers, N.Y.  
 Federal Tool Engineering, Cedar Grove, N.J.  
 Milro Controls Co., Park Ridge, N.J.  
 Rue Products, Venice, Calif.  
 Trans-Sil Corp., Englewood, N.J.

Taylor Pearson & Carson (B.C.) Ltd., 1006 Richards St., Vancouver 2, B.C. Representing: Metalphoto Corp., Cleveland 3, Ohio.  
 Tecneek Associates, 1405 Bishop St., Montreal 25, Que. Rep.: Ad-Yu Electronics Lab. Inc., Passaic, N.J.  
 Associated Research Inc., Chicago, Ill.  
 Barnes Development Co., Lansdowne, Pa.  
 R & J Beck Ltd., London, Eng.  
 Grieve-Hendry Co. Inc., Chicago, Ill.  
 Hanovia Lamps, Slough, Bucks., England.  
 Industrial Control Co., Lindenhurst, L.I., N.Y.  
 Jones Motrola Corp., Stamford, Conn.  
 Milman Engineering Co., Los Angeles, Calif.  
 Moore Associates Inc., Redwood City, Calif.  
 Photovolt Corp., New York, N.Y.  
 Precision Scientific Co., Chicago, Ill.  
 E. H. Sargent & Co., Chicago, Ill.  
 H. H. Scott Co., Mayrand, Mass.  
 Trio Laboratories Inc., Plainview, L.I., N.Y.

Tektronix Inc., 3 Finch Ave. E., Willowdale, Ont. Representing: Tektronix Inc., Portland, Oregon.  
 Telacables & Wires Ltd., Postal Station C., Winnipeg 9, Man.  
 Telecom Ltd., 163 1/2 Church St., Toronto 2, Ont. Representing: Autophone Ltd., London, S.W. 1, England.  
 General Sound & Theatre Equipment Ltd., Toronto, Ont.  
 Transelectric Manufacturing Co., Oxford, Pa.

Telegraph Condenser Co. (Canada) Ltd., The, 50 Beral Rd., Toronto 18, Ont. Representing: The Telegraph Condenser Co. Ltd., London, England.  
 The United Insulator Div. of The Telegraph Condenser Co. Ltd., Chessington, Surrey, Eng.

Telephone Manufacturing Co. Ltd., 26 Duncan St., Toronto, Ont. Representing: Telephone Manufacturing Co. Ltd., London, S.E. 21, England.  
 Telequipment Mfg. Co. Ltd., 729 Dundas St., London, Ont. Representing: Automatic Mfg. Co., Newark, N.J.

Beaver Chemicals Co., Hollis, N.Y.  
 Blonder-Tongue Labs. Inc., Newark, N.J.  
 Coaxial Connector Co., Mount Vernon, N.Y.  
 Dero Electronics, Roosevelt, L.I., N.Y.  
 James Vibrapower Co., Chicago 18, Ill.  
 Micamold Electronics Mfg. Corp., Brooklyn 37, N.Y.  
 Radio Kits Inc., Jamaica, N.Y.  
 Radio Receptor Co., Inc., Newark, N.J.  
 Ram Electronic Sales Co., Mount Vernon, N.Y.  
 F. W. Sickles Division, Chicopee, Mass.

Tele-Radio Systems Ltd., 3534 Dundas St. W., Toronto 9, Ont. Representing: A R & T Electronics, Inc., Little Rock, Ark.  
 Aircraft Armaments Inc., Cockeysville, Md.  
 Budelman Electronics Corp., Stamford, Conn.  
 Communication Products Co., Marlboro, N.J.  
 Allen B. DuMont Laboratories Inc., Clifton, N.J.  
 Electronic Research & Development Co. Ltd., Calgary, Alta.  
 Francis Brothers Corp., Tustin, Calif.  
 Hallamere Electronics Co., Anaheim, Calif.  
 Industrial Radio Corp., Chicago 44, Ill.  
 Kaar Engineering Corp., Palo Alto, Calif.  
 Ling Systems Inc., North Hollywood, Calif.  
 Maury & Associates, Montclair, Calif.  
 Moore Associates, Inc., Redwood City, Calif.  
 Morrow Radio Manufacturing Co., Salem, Oregon.  
 Murphy Radio Ltd., Welwyn Garden City, Herts., England.  
 Radio Specialists Co., Denver 5, Col.  
 Railway Communications Inc., Raytown 33, Mo.  
 Sinclair Radio Laboratories, Toronto, Ont.

Tele-Tech Services Ltd., 1202 Wharf St., Victoria, B.C. Representing: Peirce Dictation Systems, Chicago 31, Ill.

Telex Systems, Inc., 410 LaFayette St., Quebec 8, P.Q. Representing: Montgomery Mfg. Co., Owensville, Ind.

Tellurometer Canada Ltd., 1562 Carling Ave., Ottawa, Ont.  
 Templates Unlimited, 200 Dalhousie St., Toronto 2, Ont.  
 Tenatronics Limited, P.O. Box 659, Newmarket, Ont. Representing: Bud Radio Inc., Cleveland 3, Ohio.  
 The Finney Corp., Bedford, Ohio.  
 The Moran Products Co., Cleveland 27, Ohio.  
 Marsland Engineering Ltd., Kitchener, Ont.  
 S. G. Smallwood & Co., Kitchener, Ont.  
 Standard Television Products Ltd., Kitchener, Ont.  
 Terry Machinery Co. Ltd., 1240 Laurentien Blvd., Montreal 9, Que. Representing: Kato Engineering Co., Mankato, Minn.

Thermo Electric (Canada) Ltd., P.O. Box 10, Brampton, Ont.  
 Thermovolt Instruments Ltd., 19 Chauncey Ave., Toronto 18, Ont. Representing: Ewald Instruments, Kent, Conn.  
 F. Gossen and Co. G.m.b.H., Erlangen, Germany.  
 Haenni and Co. A.G., Jegenstorf, Switzerland.  
 W. H. Joens and Co. G.m.b.H., Dusseldorf, Germany.  
 Gebr. Ruhstrat, Gottingen, Germany.  
 Technique Associates, Indianapolis, Ind.

Thomas Co., K. M., 410 Bloor St. E., Toronto 5, Ont. Representing: Grant Pulley & Hardware Corp., West Nyack, N.Y.  
 Thompson Ltd., Chas. L., 3115 Lonsdale Ave., North Vancouver, B.C. Representing:

Acme Electric Corp. Ltd., Toronto 16, Ont.  
 Aeromotive Engineering Products, Montreal, Que.  
 Aerovox Canada Ltd., Hamilton, Ont.  
 Affiliated TV Laboratories Inc., Queen's Village 29, N.Y.  
 American Television & Radio Co. Inc., St. Paul 1, Minn.  
 B.C. Mercantile Ltd., Vancouver 9, B.C.  
 Balfour-Guthrie Canada Ltd., Vancouver 1, B.C.  
 Bogen-Presto Co., Paramus, N.J.  
 Canadian Astatic Ltd., Toronto 13, Ont.  
 Canadian Electric Resistors Ltd., Toronto 16, Ont.  
 Hurst Tool & Mfg. Co., Princeton, Ind.  
 Kato Engineering Co., Mankato, Minn.  
 Katolight Corp., Mankato, Minn.  
 C. C. Meredith Ltd., Vancouver 9, B.C.  
 Potter & Brumfield Canada Ltd., Guelph, Ont.  
 Presto Recording Corp., Paramus, N.J.  
 Raytheon Canada Ltd., Waterloo, Ont.  
 Research Industries Ltd., Vancouver 9, B.C.  
 Tenatronics Ltd., Newmarket, Ont.  
 Tri-Ex Tower Corp., Tulare, Calif., and Kansas City, Mo.  
 University Loudspeakers Inc., White Plains, N.Y.  
 White Radio Ltd., Hamilton, Ont.

Thompson Products Ltd., Louth St., St. Catharines, Ont. Rep.: Bell Sound Systems, Columbus 7, Ohio.  
 Dage Television Division, Michigan City, Ind.  
 General Electrodynamics Corp., Garland, Texas.

Thompson Co. of Canada Ltd., H. I., 60 Johnston St., Guelph, Ont. Representing: H. I. Thompson Fiber Glass Co., Los Angeles 7, Calif.

Thurman Supply Co., 1845 Broad St., Regina, Sask.

Tilton Ltd., John R., 51 McCormack St., Toronto 9, Ont. Representing: Alpine Electronic Components, Waterbury, Conn.  
 Automatic Metal Products Corp., Brooklyn, N.Y.  
 Bogen-Presto Co., Paramus, N.J.  
 Canadian Astatic Ltd., Toronto 13, Ont.  
 Capitol Machine Co., Danbury, Conn.  
 Carling Electric, Inc., West Hartford, Conn.  
 Carter Parts Co., Skokie, Ill.  
 H. G. Cisin, Amagansett, N.Y.  
 Electronic Instrument Co., Long Island, N.Y.  
 Greibach Instruments Corp., New Rochelle, N.Y.  
 JFD Electronics Corp., Brooklyn, N.Y.  
 Johnson Electronics, Inc., Casselbury, Fla.  
 Moseley Electronics, Inc., St. Louis, Mo.  
 Osborne Electric Co. Ltd., Toronto 18, Ont.  
 Phaostron Instrument & Electronic Co., South Pasadena, California.  
 Raytheon Mfg. Co., Waltham, Mass.  
 R. P. Scherer Ltd., (Electrolube), Windsor, Ont.  
 Sprague International Ltd., North Adams, Mass.  
 Standard Electrical Products Co., Dayton, Ohio.  
 University Loudspeakers, Inc., White Plains, N.Y.  
 York Woodcraft Ltd., New Hamburg, Ont.

Tinsley Instruments (Canada) Ltd. P.O. Box 99, Smiths Falls, Ont. Representing: Colvern Ltd., Romford, Essex, England.  
 H. Tinsley & Co. Ltd., London, S.E. 25, England.

Titania Electric Corp. of Canada Ltd., Herbert & Brock Sts., (P.O. Box 672), Gananoque, Ont. Representing: Compagnie Generale d'Electro-Ceramique, Paris, France.

- C. G. Electronics Corp., Albuquerque, N.M.  
Engineered Magnetics Div., Gulton Industries Inc., Hawthorne, Calif.  
Glenco Corp., Metuchen, N.J.  
Gulton Industries Inc., Metuchen, N.J.  
Thermistor Div., Gulton Industries Inc., Metuchen, N.J.  
Viro Ceramics Div., Gulton Industries Inc., Metuchen, N.J.
- Fopping Electronics Ltd., F. V., 4 Laird Drive, Toronto 17, Ont.  
Farrington Mfg. Co. of Canada Ltd., The, 201 Speers Rd., Oakville, Ont.  
Lower Productions, 278 Sparks St., Ottawa 4, Ont. Representing: Hartley Products Co., New York 51, N.Y.  
Frasonic Ltd., McMaster Ave., Ajax, Ont. Representing: Kerry's Ultrasonics Ltd., Stratford, London, England.  
Sonic Engineering Inc., Stamford, Conn.
- Freaskiss Sales Co., William, 1244 Curry Ave., Windsor, Ont. Representing: Savair Equipment Co., Detroit, Mich.  
Weltronic Co., Detroit, Mich.
- Frriad Instruments & Controls Ltd., 1 Lowell Ave., Toronto, Ont.  
Frrio Sales, 8900 Tanguay, Montreal, Que. Representing: Eagle Electric Mfg. Co. Inc., Long Island City 1, N.Y.  
Frwinpak Ltd., 6525 Somerley Ave., Montreal 29, Que. Representing: Daubert Chemical Co., Chicago, Ill.
- U**
- Underwood Ltd., (Samas Punched Card Div.), 354 Victoria St., Toronto, Ont. Representing: International Computers & Tabulators Ltd., London, W. 1, England.  
Unjar Electric Tool Co. of Canada, 44 Danforth Rd., Toronto 3, Ont. Representing: Ungar Electric Tools, Inc., Los Angeles 66, Calif.  
United Aircraft Products, Ltd., 47 Hymus Blvd., Pointe Claire, Que. Representing: United Aircraft Products, Inc., Dayton, Ohio.  
United-Carr Fastener Co. of Canada Ltd., 231 Gage Ave. N., Hamilton, Ont. Representing: Cinch Mfg. Co., Chicago, Ill.  
Cinch-Jones Sales, Chicago, Ill.  
H. B. Jones Division, Cinch Mfg. Co., Chicago, Ill.  
Ucinite Co., Newtonville, Mass.  
United-Carr Fastener Corp., Cambridge, Mass.
- United Shoe Machinery Co. of Canada Ltd., 2610 Bennett St., Montreal, Que.  
Universal Wire and Cable Co., 1155 Moreau St., Montreal, Que.
- V**
- Vacric (Canada) Ltd., 835 St. Catherine St. W., Montreal, Que.  
Van Waters & Rogers of Canada, Ltd., (Scientific Supplies Division), 825 Skeena St., Vancouver, B.C. Representing: Acoustica Associates, Inc., Mineola, L.I., N.Y.  
J. T. Baker Chemical Co., Phillipsburg, N.J.  
Bausch & Lomb Optical Co., Beckman Instruments Inc., Fullerton, Calif.  
Coleman Instruments Inc., Maywood, Ill.  
Laboratory Equipment Co., Phillips Electronics Industries Ltd., Toronto, Ont.  
W. M. Welch Scientific Co., Chicago 10, Ill.
- Yellow Springs Instrument Co. Inc., Yellow Springs, Ohio.  
Varah Ltd., L. A., 1451 Hornby St., Vancouver 1, B.C. Rep.: Monitor Products Co., South Pasadena, Calif.  
Varian Associates of Canada Ltd., 45 River Drive, Georgetown, Ont. Representing: Varian Associates, Palo Alto, Calif.  
Vector Labs. Inc., 736 Notre Dame St. W., Montreal 1, Que.  
Veeder-Root of Canada Ltd., 955 St. James St. W., Montreal, Que.  
Verd-A-Ray Electric Products Ltd., 1285 Hodge St., Montreal 9, Que. Representing: Circle "F" Mfg. Co., Trenton, N.J.  
Eastern Insulated Wire Co., Trenton, N.J.  
Holub Industries Inc., Sycamore, Ill.  
Moldcast Manufacturing Co., Newark, N.J.  
Radiant-Phillite, Long Island City, N.Y.  
Sea Gull Lighting Products Inc., Philadelphia, Pa.  
Sterling Industries Inc., Philadelphia, Pa.  
Swiveller Co. Inc., New York 3, N.Y.
- Verdier, H., 214 Cobourg St., Ottawa, Ont. Representing: Landsverk Electrometer Co., Glendale, Calif.  
Vickers-Sperry of Canada Ltd., 92 Advance Rd., Toronto 18, Ont. Representing: Vickers Inc., Electric Products Div., St. Louis 3, Mo.  
Viditon Corporation Ltd., 384 Bank St., Ottawa, Ont.
- W**
- Wackid Radio Television Lab. Ltd., 281 Laurier Ave. W., Ottawa, Ont. Representing: Hartley Products Co., New York 51, N.Y.  
Wainbee Tools, Ltd., 64 Racine Rd., Rexdale, Ont. Representing: Desoutter Brothers Ltd., Hendon, London, England.  
Durant Manufacturing Co., Milwaukee 1, Wis.  
Wakefield Co., 645 Wellington St., Montreal, Que. Representing: Despatch Oven Co., Minneapolis, Minn.  
Wallace, J. G., 427 Seymour St., Vancouver, B.C. Representing: Melody Master Mfg. Co., Chicago 18, Ill.  
Ward Leonard of Canada Ltd., 1070 Birchmount Rd., Box 70, O'Connor Postal Station, Toronto 16, Ont. Representing: Barkeley Electric Mfg. Co., Middletown, Ohio.  
Kenco Pump Division, American Crucible Products Co., Lorain, Ohio.  
Kepco Laboratories, Inc., Flushing 55, N.Y.  
S.A.F.T. Accumulateurs, Romainville (Seine), France.  
Ward Leonard Electric Co., Mount Vernon, N.Y.
- Waterloo Electronics Supply Co. Ltd., 219 Hartwood Ave., Waterloo, Ont.  
Waterous Equipment Co., 10025 - 51st Ave., Edmonton, Alta. Representing: Kato Engineering Co., Mankato, Minn.  
Watkins Co. Ltd., W. R., 41 Kipling Ave. South, Toronto 18, Ont. Representing: Hell-Coil Corp., Danbury, Conn.  
Watkins Electronics Ltd., 9 Dwlght Ave., Toronto 14, Ont.  
Weid-O-Matic Machines, Ltd., P.O. Box 215, Station "C", Hamilton, Ont. Representing: Reeve Electronics, Inc., Chicago 6, Ill.
- Welwyn Canada Ltd., 1255 Brydges St., London, Ont. Representing: Welwyn Electrical Laboratories Ltd., Bedlington, Northumberland, England.  
Westbury Electronics (Canada) Ltd., 3333 Cavendish Blvd., Montreal, Que. Representing: Mohawk Wire & Cable Inc., Fitchburg, Mass.  
Phep-Dodge Copper Products Corp., New York 22, N.Y.  
Westbury Electronics Inc., Westbury, N.Y.
- Western Agencies Ltd., 951 Seymour St., Vancouver 2, B.C.  
Western Sound Services Ltd., 613 Portage Ave., Winnipeg, Man.  
Westronic Engineering Sales (A Division of L. A. Varah Ltd.), 1451 Hornby St., Vancouver 1, B.C.  
White Co. Ltd., Geo. T., 378 Devonshire Rd., Walkerville, Ont. Representing: Taylor Winfield Corp., Warren, Ohio.  
Whitehead Ltd., A. L., P.O. Box 2345, Vancouver, B.C. Representing: Rohn Manufacturing Co., Peoria, Ill.  
White Radio Limited, 41 West Ave. North, P.O. Box 463, Hamilton, Ont. Representing: Richard Allan Radio Ltd., Batley, Yorkshire, England.  
Belden Manufacturing Co., Chicago 80, Ill.  
Hugh H. Eby Co., Philadelphia, Pa.  
Hammarlund Manufacturing Co., New York 1, N.Y.
- Whittaker, E. E., 2137 Niagara Drive, Ottawa, Ont. Representing: Consolidated Resistance Co. of America Inc., Yonkers, N.Y.  
Control Electronics Co. Inc., Huntington Station, L.I., N.Y.  
Dorsett Laboratories, Inc., Norman, Okla.  
Dressen-Barnes Corp., Pasadena, Calif.  
Dynamic Gear Co. Inc., Amityville, L.I., N.Y.  
Exact Engineering & Manufacturing, Inc., Oceanside, Calif.  
Gudebrod Bros. Silk Co. Inc., Philadelphia, Pa.  
Hopkins Engineering Co., San Fernando, Calif.  
Hymac Corp., Culver City, Calif.  
International Instruments Inc., New Haven, Conn.  
Itemco, Inc., Port Washington, L.I., N.Y.  
Jonathan Mfg. Co., Fullerton, Calif.  
Kurman Electric Co., Brooklyn, N.Y.  
P. B. R. Manufacturing Co., Philadelphia 24, Pa.  
Rotating Components Inc., Brooklyn, N.Y.  
Specific Products, Woodland Hills, Calif.  
Spectrol Electronics Corp., San Gabriel, Calif.  
Telonic Engineering Corp., Laguna Beach, Calif.  
Telonic Industries, Inc., Beech Grove, Ind.  
U.S. Semiconductor Products, Div. of Topp Industries Inc., Phoenix, Arizona.  
Winchester Electronics Inc., Norwalk, Conn.
- Wholesale Radio & Electronics Ltd., 66 Orfus Rd., Toronto 19, Ont. Representing: Bradley Semiconductor Corp., New Haven, Conn.  
Electric Switch Corp., Indianapolis 41, Ind.
- Wickett Ltd., Bradford J., 2792 Yonge St., Toronto 12, Ont.  
Wickman Ltd., A. C., P.O. Box 9, Station "N", Toronto 14, Ont. Representing: Daytronic Corp., Dayton, Ohio.  
Dynamic Instrument Co., Cambridge, Mass.  
Epsco-Worcester, Worcester, Mass.  
Houston Instrument Corp., Houston, Texas.  
Micro-Test Inc., Los Angeles, Calif.  
The Sheffield Corp., Subsidiary of Bendix Aviation Corp., Dayton 1, Ohio.  
Telco, Paris, France.
- Wilkinson Co. Ltd., 888 S.E. Marine Drive, Vancouver 15, B.C. Representing: Driver-Harris Co., Harrison, N.J.  
Willard Spenser Co., 3238 Curry Ave., Windsor, Ont. Rep.: Accurate Threaded Fasteners Inc., Chicago, Ill.  
American Designed Components Inc., Jericho, L.I., N.Y.  
Churchhill Chemical Corp., Los Angeles, Calif.  
Grand Transformers Inc., Grand Haven, Mich.  
Industrial Devices Inc., Edgewater, N.J.  
Jenny Industries, Rome, N.Y.  
Mandrel Industries Inc., Burbank, Calif.  
Metallics Inc., Onalaska, Wis.  
Miller Harris Instrument Co., Milwaukee, Wis.  
Walkirt Co., Inglewood, Calif.
- Williams Machinery Co. Ltd., A. R., 373 Front St. East, Toronto, Ont. Representing: The Felters Co., Boston 11, Mass.  
Williams & Wilson, Ltd., 544 Inspector St., Montreal 3, Que. Representing: Hull Corporation, Hatboro, Pa.  
Kinney Mfg. Division, The New York Brake Co., Boston 30, Mass.  
Lindberg Engineering Co., Chicago, Ill.  
The Luma Electric Equip. Co., Toledo, Ohio.  
Micrometrical Mfg. Co., Ann Arbor, Mich.  
Vickers Incorporated, Electric Products Div., St. Louis, Mo.
- Willys of Canada Ltd., 2525 Central Ave., Windsor, Ont.  
Wind Turbine Company of Canada Ltd., The, 145 Lucan St., Waterloo, Ont.  
Windrim, C., 40 Franklin St., Brantford, Ont. Representing: Huck Manufacturing Co., Detroit 7, Mich.  
Wolf Electric Tools Ltd., 93 Advance Rd., Toronto 18, Ont.  
Woodcraft Service Co., 54 Newcastle St., Toronto 14, Ont.
- X**
- X-Ray & Radium Industries Ltd., 261 Davenport Rd., Toronto 5, Ont.
- Y**
- Y. W. Small Parts Ltd., 496 Queen St. E., Toronto, Ont.  
York Woodcraft Ltd., New Hamburg, Ont.  
Young Communications Ltd., 522 Smythe St., Vancouver 2, B.C. Representing: Autophone Ltd., London, S.W. 8, England.
- Z**
- Zenith Radio Corp. of Canada Ltd., Radio-TV-Electronics Division, 1470 Queensway, Toronto 14, Ont.  
Zuk, Paul, 16 Joseph St., Streetsville, Ont. Representing: Texas Instruments Incorporated, Semiconductor Components Div., Dallas, Texas.

## Part 2

# U.S. Suppliers and Canadian Representatives

For more complete information on addresses of Canadian representatives, turn to section beginning on page 62.

### A

- AD-YU Electronics Lab. Inc.**, 249-259 Terhune Ave., Passaic, N.J. Represented by: Electroline Television Equipment Inc., Montreal 26, Que. Tecneek Associates, Montreal 25, Que.
- AEMCO, Inc.**, 10 State St., Mankato, Minn. Represented by: John Herring & Co., Toronto, Ont.
- A'G'A Division of Elastic Stop Nut Corp. of America**, 1027 Newark Ave., Elizabeth 3, N.J. Represented by: Gasaccumulator Co. (Canada) Ltd., Toronto 16, Ont.
- AiResearch Aviation Service Co.**, 6201 West Imperial Highway, Los Angeles, Cal. Rep. by: The Garrett Mfg. Corp. of Canada, Ltd., Rexdale, Ont.
- AiResearch Industrial Division**, 9225 Aviation Blvd., Los Angeles 45, Calif. Represented by: The Garrett Mfg. Corp. of Canada, Ltd., Rexdale, Ont.
- AiResearch Manufacturing Co.**, 9851 Sepulveda Blvd., Los Angeles, Calif. Represented by: The Garrett Mfg. Corp. of Canada, Ltd., Rexdale, Ont.
- AMCO Engineering Co.**, 7333 W. Ainslie St., Chicago 31, Ill. Represented by: Dayrand Ltd., Montreal 6, Que. Elder Electronics, Burlington, Ont.
- AMP Inc.**, Eisenhower Blvd., Harrisburg, Pa. Represented by: Aircraft-Marine Products of Canada, Ltd., Toronto 12, Ont.
- A.P.M. Corporation (Automatic & Precision Mfg. Corp.)**, 252 Hawthorne Ave., Yonkers, N.Y. Represented by: A. T. R. Armstrong Ltd., Toronto 9, Ont.
- A R & T Electronics, Inc.**, 1101 McAlmont St., Little Rock, Ark. Represented by: Tele-Radio Systems Ltd., Toronto 9, Ont.
- A. T. R. Co.**, St. Paul, Minn. Represented by: Radio Trade Supply Ltd., Toronto, Ont.
- Accurate Electronics Corp.**, 169 Abbe Rd., Elyria, Ohio. Represented by: Electrolabs, Montreal 16, Que.
- Accurate Parts Inc.**, Kokomo, Ind. Represented by: James B. Carter Ltd., Winnipeg, Man.
- Accurate Spring Mfg. Co.**, 3811 W. Lake St., Chicago 44, Ill. Represented by: J. R. Fraser, 3010 Longfellow Ave., Windsor, Ont.
- Accurate Threaded Fasteners Inc.**, 2901 W. Montrose, Chicago, Ill. Represented by: Willard Spenser Co., Windsor, Ont.
- Ace Electronics Associates Inc.**, 99 Dover St., Somerville 44, Mass. Represented by: Conway Electronics Enterprises Reg'd, Toronto 10, Ont.
- Acme Electric Corp.**, Water St., Cuba, N.Y. Represented by: Acme Electric Corporation Ltd., Toronto 16, Ont.
- Acousti-Craft**, 14122 Aetna St., Van Nuys, Calif. Rep. by: Ron Merritt Co., Vancouver 1, B.C.
- Acromag, Inc.**, 22519 Telegraph Rd., Detroit 41, Mich.
- Acromark Co.**, The, 474 Morrell St., Elizabeth, N.J. Rep. by: Canada Tool & Supply Co., Toronto, Ont.
- Acton Laboratories, Inc.**, 533 Main St., Acton, Mass. Represented by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.
- Actuator Products Corp.**, 20 Nashua St., Woburn, Mass. Represented by: Aviation Electric Ltd., Montreal 9, Que. Aviation Electric Pacific Ltd., Vancouver, B.C.
- Adage Inc.**, 292 Main St., Cambridge 42, Mass. Rep. by: Radionics Ltd., Montreal 9, Que.
- Adams Rite Manufacturing Co.**, Glendale, Calif. Represented by: Railway & Power Engineering Corp. Ltd., Montreal, Que.
- Adams & Westlake Co.**, The, 1025 N. Michigan, Elkhart, Ind. Represented by: Lisle Instrument Systems, Toronto, Ont.
- Adel Precision Products**, Huntington, W. Va., Rep. by: Railway & Power Engineering Corp. Ltd., Montreal, Que.
- Adler Electronics, Inc.**, 1 Le Fevre Lane, New Rochelle, N.Y. Represented by: Intronics Ltd., Stittsville, Ont.
- Advance Relays**, 2435 North Naomi, Burbank, Calif. Rep. by: Cannon Electric Canada Ltd., Toronto 16, Ont.
- Advanced Electronics Manufacturing Corp.**, 2116 South Sepulveda Blvd., Los Angeles 25, Calif. Represented by: Electromechanical Products, Agincourt, Ont.
- Aermotor Co.**, 2500 Roosevelt Rd., Chicago, Ill. Represented by: Aviation Electric Ltd., Montreal 9, Que. Aviation Electric Pacific Ltd., Vancouver, B.C.
- Aero Gasket Corp.**, Meriden, Conn. Represented by: Airflite Components Co., Toronto 15, Ont.
- Aero Instrument Co.**, 11423 Vanowen Ave., North Hollywood, Calif. Rep. by: Samuel C. Hooker (Canada) Ltd., Montreal 28, Que.
- Aerolite Electronics Corp.**, 2207 Summit Ave., Union City, N.J. Represented by: Electrolabs, Montreal, Que.
- Aeronautical Electric Co.**, 5656 Northwest Highway, Chicago 46, Ill. Represented by: A. Deskin Sales Co., St. Martin, Montreal 40, Que.
- Aeronautical Electronics, Inc.**, P.O. Box 6527, Raleigh-Durham Airport, Raleigh, N.C. Rep. by: Dell Radio Telephone Co. Ltd., Montreal, Que.
- Aero Research Instrument Co. Inc.**, 315 North Aberdeen St., Chicago 7, Ill. Represented by: Winnett Boyd Ltd., Toronto 7, Ont.
- Aero Supply Manufacturing Co.**, Corry, Pa. Represented by: The Garrett Mfg. Corp. of Canada, Ltd., Rexdale, Ont.
- Aerovox Corp.**, 740 Belleville Ave., New Bedford, Mass. Rep. by: Aerovox Canada Ltd., Hamilton, Ont.
- Affiliated TV Laboratories Inc.**, 112-C7 Francis Lewis Blvd., Queen's Village 29, N.Y. Rep. by: Chas. L. Thompson Ltd., North Vancouver, B.C.
- Airborne Accessories Corp.**, 1414 Chestnut Ave., Hillside 5, N.J. Represented by: Winnett Boyd Ltd., Toronto 7, Ont.
- Airborne Instruments Laboratory**, A Division of Cutler-Hammer Inc., 1345 New York Ave., Huntington Station, N.Y. Represented by: Radionics Ltd., Montreal 9, Que.
- Aircrom Inc.**, 139 E. First Ave., Roselle, N.J. Represented by: J. C. E. Mitchell Electronics, Toronto 3, Ont.
- Aircraft Armaments Inc.**, Cockeysville, Md. Rep. by: Tele-Radio Systems Ltd., Toronto 9, Ont.
- Aircraft Radio Corp.**, Boonton, N.J. Represented by: Anthony Foster & Sons Ltd., Toronto 2, Ont.
- Aircraft Specialty Lines**, 3125 No. 29th Ave., Phoenix, Arizona. Represented by: Aviation Electric Ltd., Montreal 9, Que.
- Air Cruisers Co.**, Monmouth County Airport, P.O. Box 180, Belmar, N.Y. Represented by: The Garrett Mfg. Corp. of Canada, Ltd., Rexdale, Ont.
- Airdesign Corp.**, 241 Fairfield Ave., Upper Darby, Pa. Rep. by: J. C. E. Mitchell Electronics, Toronto 3, Ont.
- Airite Products Inc.**, Los Angeles, Calif. Represented by: Railway & Power Engineering Corp. Ltd., Montreal, Que.
- Air-Marine Motors, Inc.**, 369 Bayview Ave., Amityville, L.I., N.Y. Represented by: Aircraft Appliances & Equipment Ltd., Weston, Ont.
- Airo Industries**, 1712 West Florence Ave., Los Angeles, Calif. Represented by: Hope Machinery Co., Toronto 2, Ont.
- Airpax Electronics Inc.**, 6601 N.W. 19th St., Fort Lauderdale, Fla. Represented by: Leonard Electric Ltd., Toronto 18, Ont.
- Air Reduction Sales Co.**, New York City, N.Y. Rep. by: Air Reduction Canada Ltd., St. Laurent, Montreal 9, Que.
- Airtron Inc.**, A Div. of Litton Industries, 200 Hanover Ave., Morris Plains, N.J. Rep. by: Airtron Canada Ltd., Toronto, Ont.
- Akro-Mills, Inc.**, 820 E. Market St. Box 989, Akron 9, Ohio. Rep. by: A. T. R. Armstrong Ltd., Toronto 9, Ont.
- Aladdin Electronics**, 705 Murfreesboro Rd., Nashville 10, Tenn. Rep. by: Lake Engineering Co. Ltd., Scarborough, Ont.
- Albany Co. Inc.**, New York, N.Y. Represented by: Railway & Power Engineering Corp. Ltd., Montreal, Que.
- Alco Valve Co.**, 865 Kingsland Ave., St. Louis 5, Mo. Rep. by: Davis Automatic Controls Ltd., Toronto 18, Ont.
- Alcon Metal Products Inc.**, 1750 N. Kimball Ave., Chicago 47 Ill. Represented by: William T. Barron, Oakville, Ont. Okl & Willadsen Ltd., Scarborough, Ont.
- Aldrich Pump Co.**, Allentown, Pa. Represented by: Peacock Brothers Ltd., Montreal 3, Que.
- Alford Manufacturing Co.**, 299 Atlantic Ave., Boston, Mass. Represented by: Electrodesign, Montreal, Que.
- All American Tool & Manufacturing Co.**, 8027 Lawndale Ave., Skokie, Ill. Rep. by: Computing Devices of Canada Ltd., Ottawa, Ont.
- Allard Instrument Corp.**, 146 E. 2nd St., Mineola, L.I., N.Y. Represented by: A. Deskin Sales Co., St. Martin, Montreal 40, Que.
- Allegany Instrument Co., Inc.**, 1091 Wills Mountain, Cumberland, Md. Represented by: Intronics Ltd., Stittsville, Ont.
- Allegheny Ludlum Steel Corp.**, Oliver Bldg., Pittsburgh 22, Pa. Represented by: Alloy Metal Sales Ltd., Toronto, Ont.
- Allen-Bradley Co.**, 136 W. Greenfield Ave., Milwaukee, Wis. Represented by: Allen-Bradley Canada Ltd., Galt, Ont.
- Allied Control Co., Inc.**, 2 East End Ave., New York 21, N.Y. Represented by: Adams Engineering Ltd., Montreal, Que. Allied Control Co. (Canada) Ltd., Montreal, Que.
- Allied Industries, Inc.**, Ogallala, Neb. Represented by: E. G. Lomas, Ottawa, Ont.
- Allies' Products Corp.**, Kendall Station, Miami, Fla. Rep. by: Kerr-Machin Associates, Toronto 12, Ont.
- Allison Laboratories, Inc.**, 14185 Skyline Drive, La Puente Calif. Represented by: Computing Devices of Canada Ltd., Ottawa, Ont. Electrodesign, Montreal, Que.

- Alloy Rods Co., York, Pa.**  
Represented by:  
Canadian Liquid Air Co.,  
Montreal, Que.
- All Star Products Inc., Defiance, Ohio.** Represented by:  
William T. Barron,  
Oakville, Ont.
- All-State Welding Alloys Co., Inc., White Plains, N.Y.** Rep. by:  
All-State Welding Alloys of  
Canada Ltd., Toronto 18, Ont.
- Alpha Wire Corp., 200 Varick St., New York 14, N.Y.** Rep. by:  
Alpha Aracon Radio Co., Ltd.,  
Toronto, Ont.
- Alpine Electronic Components, Waterbury, Conn.** Represented by:  
John R. Tilton Ltd.,  
Toronto 9, Ont.
- Altec Lansing Corp., 1515 South Manchester Ave., Anaheim, Calif.** Represented by:  
Northern Electric Co. Ltd.,  
Belleville, Ont.
- Aluminum Co. of America, Park Ave., New York, N.Y.**  
Represented by:  
Alloy Metal Sales Ltd.,  
Toronto, Ont.
- Amatom Electronic Hardware Co., 88 Drake Ave., New Rochelle, N.Y.**  
Represented by:  
J. J. MacQuarrie, Toronto 5,  
Ontario.
- American Bosch Corp., 3664 Main St., Springfield 7, Mass.** Represented by:  
James B. Carter Ltd.,  
Winnipeg, Man.
- American Brake Shoe Co., American Mang. Steel Div., Chicago, Ill.** Represented by:  
Canadian Liquid Air Co.,  
Montreal, Que.
- American Brake Shoe Co., Kellogg Division, 97 Humboldt St., Rochester, N.Y.** Represented by:  
The Garrett Mfg. Corp. of  
Canada, Ltd., Rexdale, Ont.
- American Brattice Cloth Corp., Warsaw, Ind.** Represented by:  
Peacock Brothers Ltd.,  
Montreal 3, Que.
- American Designed Components Inc., Jericho, L.I., N.Y.** Rep. by:  
Willard Spenser Co.,  
Windsor, Ont.
- American Electric Cable Co., 181 Appleton St., Holyoke, Mass.**  
Represented by:  
Desser E-E Ltd., Montreal, Que.
- American Electric Mfg. Corp., 3271 Chelsea Ave., Memphis 8, Tenn.** Represented by:  
Douglas Randall (Canada) Ltd.,  
Scarborough, Ont.
- American Electrical Heater Co., 6110 Cass Ave., Detroit 2, Mich.**  
Represented by:  
Pfeiffer Electronic  
Laboratories, Trenton, Ont.
- American Electronic Laboratories, Inc., 121 N. Seventh St., Philadelphia 6, Pa.** Rep. by:  
Conway Electronic Enterprises  
Reg'd, Toronto 10, Ont.
- American Electronics Co., 178 Herricks Rd., Mineola, N.Y.**  
Represented by:  
William Cohen Ltd.,  
Montreal, Que.
- American Electronics Inc., 655 W. Washington Blvd., Los Angeles 15, Calif.** Rep. by:  
Aeromotive Engineering  
Products Ltd., Pointe Claire,  
Montreal 33, Que.
- American Geloso Electronics Inc., 251 Park Ave. S., New York City, N.Y.** Represented by:  
Ron Merritt Co.,  
Vancouver 1, B.C.
- American Rectifier Corp., 95 Lafayette St., New York, N.Y.**  
Represented by:  
Electrodesign, Montreal, Que.
- American Research Corp., Route 6, Farmington, Conn.**  
Represented by:  
Computing Devices of Canada  
Ltd., Ottawa, Ont.
- American Special Machine Co., Chicago 14, Ill.** Represented by:  
John Best Co., Islington, Ont.
- American Super-Temperature Wires Inc., 30 West Canal St., Winooski, Vt.** Represented by:  
A. W. Andrews & Associates,  
Port Credit, Ont.
- American Television & Radio Co., 300 E. Fourth St., St. Paul, Minn.**  
Represented by:  
R. C. Kahmert Sales Ltd.,  
Scarborough, Ont. (Eastern  
Canada).
- Radio Trade Supply Ltd., Toronto, Ont.**  
Chas. L. Thompson Ltd.,  
North Vancouver, B.C.  
(Western Canada).
- American Time Products, Inc., 580 Fifth Ave., New York City, N.Y.** Represented by:  
Dominion Watch Case, Ltd.,  
Toronto, Ont.
- American Vacuum Co., 8100 N. Ridgeway Ave., Skokie, Ill.**  
Represented by:  
Gulley Co. Ltd.,  
Scarborough, Ont.
- Amersil Fused Quartz Div., Engelhard Industries Inc., Hillside, N.J.** Represented by:  
Engelhard Industries of Canada  
Ltd., Toronto, Ont.
- Amperex Electronic Corp., 230 Duffey Ave., Hicksville, N.Y.**  
Represented by:  
Radio Trade Supply Ltd.,  
Toronto, Ont.
- Rogers Electronic Tubes & Components, Toronto, Ont.**
- Amperite Co., 561 Broadway, New York 12, N.Y.** Rep. by:  
Atlas Radio Corp. Ltd.,  
Toronto 19, Ont.
- Ampex Corporation, 934 Charter St., Redwood City, Calif.** Rep. by:  
Ampex American Corp.,  
Rexdale, Ont.
- Amphenol-Borg Electronics Corp., Chicago, Ill.** Represented by:  
Amphenol Canada Ltd.,  
Toronto 8, Ont.
- Amphenol-Borg Electronics Corp., Borg Equipment Division, 120 South Main St., Janesville, Wis.**  
Represented by:  
Atlas Radio Corp. Ltd.,  
Toronto 19, Ont.
- Amphenol-Borg Electronics Corp., Industrial Products — Danbury Knudsen Div., 33 East Franklin St., Danbury, Conn.** Rep. by:  
The Glendon Co. Ltd.,  
Toronto, Ont.
- Analogue Controls Inc., 200 Frank Rd., Hicksville, N.Y.** Rep. by:  
Philips Electronics Industries  
Ltd., Leaside, Ont.
- Analytical Instruments, 585 Main St., Chatham, N.J.** Rep. by:  
General Communications Ltd.,  
Toronto 16, Ont.
- Annis Co., R. B., 1101 N. Delaware St., Indianapolis 2, Ind.** Rep. by:  
Paul Bergerom Machineries,  
Trois Rivieres, Que.
- Higginson Equipment Sales Ltd., Burlington, Ont.**
- Andrew Corp., 363 East 75th St., Chicago 19, Ill.** Represented by:  
Andrew Antenna Corp. Ltd.,  
Whitby, Ont.
- Andrew California Corp., 941 East Maryland Ave., Claremont, Calif.**  
Represented by:  
Andrew Antenna Corp. Ltd.,  
Whitby, Ont.
- Antenna Designs Inc., 225 S. Third St., Burlington, Iowa.** Rep. by:  
Robert J. Buckland Co.,  
Chatham, Ont.
- Antenna Specialists Co., 12435 Euclid Ave., Cleveland 6, Ohio.** Represented by:  
Robert J. Buckland Co.,  
Chatham, Ont. (All Canada  
except B.C.).  
Don H. Burcham, Box 4098,  
Portland, Oregon, (B.C. only).
- Anti-Corrosive Metal Products, Albany, N.Y.** Represented by:  
Railway & Power Engineering  
Corp. Ltd., Montreal, Que.
- AnHab Inc., 6330 Proprietors Rd., Worthington, Ohio.** Rep. by:  
Microwave Systems,  
Scarborough, Ont.
- Anton Electronic Labs., 1126 Flushing Ave., Brooklyn 37, N.Y.** Represented by:  
Stark Electronic Sales Co.,  
Ajax, Ont.
- Applied Electronics Co. Inc., 213 E. Grand Ave., South San Francisco, Calif.** Rep. by:  
Canadian Marconi Co.,  
Montreal, Que.
- Applied Research Inc., 76 South Bayles Ave., Port Washington, N.Y.** Represented by:  
Electroline Television  
Equipment Inc., Montreal 26,  
Quebec.
- Arber Manufacturing Co., Inc., 115 Chestnut St., New Haven 11, Conn.** Represented by:  
The Glendon Co. Ltd.,  
Toronto 1, Ont.
- Arcair Co., P.O. Box 431, Lancaster, Ohio.** Represented by:  
Canadian Liquid Air Co.,  
Montreal, Que.
- Arco Electronics, 64 White St., New York City 11, N.Y.** Rep. by:  
Len Finkler Ltd., Toronto 12,  
Ontario.
- Arcos Corporation, Philadelphia, Pa.** Represented by:  
Alloy Metal Sales Ltd.,  
Toronto, Ont.
- Argos Products Co. Inc., 301 Main St., Genoa, Ill.** Represented by:  
Rutherford Agencies, Inc.,  
St. Laurent, Montreal 9, Que.
- Ark-Les Switch Corp., 51 Water St., Watertown 72, Mass.**  
Represented by:  
Smith & Stone Ltd.,  
Toronto, Ont.
- Armour Alliance Industries and Armour & Co., 16123 Armour St. N.E., Alliance, Ohio.** Rep. by:  
Dunlop Canada Ltd., Toronto,  
Ontario.
- Armstrong Corporation, Huntington, W. Va.** Rep. by:  
Seabreeze Sales Ltd.,  
Toronto 18, Ont.
- Arnold Engineering Co., P.O. Box G, Marengo, Ill.** Represented by:  
Bayly Engineering Ltd.,  
Ajax, Ont.
- Arnold Magnetics Corp., 4613 W. Jefferson Blvd., Los Angeles 16, Calif.** Rep. by:  
Electrodesign, Montreal, Que.
- Arrow-Hart & Hegeman Electric Co., 103 Hawthorn St., Hartford, Conn.** Represented by:  
Arrow Hart & Hegeman  
(Canada) Ltd., Mount Dennis,  
Toronto, Ont.
- Arrowhead Products, Downey, Calif.** Represented by:  
Railway & Power Engineering  
Corp. Ltd., Montreal, Que.
- Arts Engineering Co., 2757 South 28th St., Milwaukee 46, Wis.**  
Represented by:  
F. F. Barber Machinery Div.,  
Toronto, Ont. and other offices  
in Montreal, Windsor and  
Hamilton.
- Assembly Products Inc., 75 Wilson Mille Rd., Chesterland, Ohio.** Represented by:  
Aeromotive Engineering  
Products Ltd., Pointe Claire,  
Montreal 33, Que.
- Associated American Winding Machinery, Inc., 750 St. Ann's Ave., New York 56, N.Y.**  
**Associated Research, Inc., 3789 W. Belmont Ave., Chicago 18, Ill.** Represented by:  
Associated Research Inc.,  
Chicago 7, Ill.  
Magnachem Ltd., Calgary, Alta.  
Tecneek Associates,  
Montreal 25, Que.
- Astatic Corporation, P.O. Box 120, Conneaut, Ohio.** Represented by:  
Canadian Astatic Ltd.,  
Toronto 13, Ont.
- Astron Corporation, 255 Grant Ave., East Newark, N.J.**  
Represented by:  
Chas. W. Pointon Ltd.,  
Rexdale, Ont.
- Akomatic Valve Co., 545 West Abbott St., Indianapolis 15, Ind.**  
Represented by:  
Dycon Ltd., Toronto 14, Ont.
- Atlantic Conduit Fittings Co., 450 Western Ave., Boston, Mass.**  
Represented by:  
Desser E-E Ltd., Montreal, Que.
- Atlantic Research Corp., Shirley Highway at Edsall Rd., Alexandria, Va.** Represented by:  
Electromechanical Products,  
Agincourt, Ont.
- Atlas E-E Corporation, 47 Prospect St., Woburn, Mass.** Rep. by:  
Desser E-E Ltd., Montreal, Que.
- Atlas Sound Corp., 1449-39th St., Brooklyn 18, N.Y.** Rep. by:  
Atlas Radio Corp. Ltd.,  
Toronto, Ont.
- Atlas Valve Co., 280-284 South St., Newark 5, N.J.** Represented by:  
Dycon Ltd., Toronto 14, Ont.
- Atmosphere Control Co. Inc., 5315 Chester Ave., Philadelphia 43, Pa.** Represented by:  
Hoskins Scientific Co.,  
Montreal, Que.
- Atomic Accessories Inc., 244-02 Jamaica Ave., Bellerose 26, N.Y.** Represented by:  
Radionics Ltd., Montreal 9, Que.
- Audio Devices, Inc., 444 Madison Ave., New York 22, N.Y.** Rep. by:  
Alex L. Clark Ltd., Toronto 18,  
Ont. (Covering all of Canada  
excepting British Columbia).  
Burt C. Porter Co., Seattle,  
Wash. (Covering British  
Columbia).
- Audio Empire, 1075 Stewart Ave., Garden City, L.I., N.Y.** Rep. by:  
Active Radio & TV Ltd.,  
Toronto, Ont.  
Ron Merritt Co.,  
Vancouver 1, B.C.
- Audio Equipment Co. Inc., 75 Harbor Rd., Port Washington, N.Y.** Represented by:  
Macivor Electronics Ltd.,  
Winnipeg 13, Man.  
National Sound Services Ltd.,  
Montreal 9, Que.
- Audio Instrument Co., Inc., 135 West 14th St., New York 11, N.Y.** Represented by:  
Alex L. Clark Ltd.,  
Toronto 18, Ont.
- Audiotex Manufacturing Co., 400 So. Wyman St., Rockford, Ill.**  
Represented by:  
Atlas Radio Corp. Ltd.,  
Toronto 19, Ont.
- Audo-Fone Corp., 876 Coney Island Ave., Brooklyn, N.Y.**  
Represented by:  
E. S. Gould Sales Co.,  
Montreal 1, Que.
- Auth Electric Co., Inc., 34-20 45th St., Long Island City 1, N.Y.** Represented by:  
Prince and Roberts,  
Toronto, Ont.
- Autocal Co., Shelby, Ohio.**  
Represented by:  
George M. Fraser Ltd.,  
Toronto 7, Ont.
- Automatic Coil Co. Inc., 199 Sackett St., Brooklyn 31, N.Y.**  
Represented by:  
J. C. E. Mitchell, Toronto 3, Ont.
- Automatic Electric International, Inc., Wolf Rd., P.O. Box 18, Northlake, Ill.** Represented by:  
Automatic Electric Sales  
(Canada) Ltd., Toronto 16, Ont.
- Automatic Metal Products Corp., 315-323 Berry St., Brooklyn 11, N.Y.** Represented by:  
John R. Tilton Ltd.,  
Toronto 9, Ont.
- Automatic Switch Co., 50-56 Hanover Rd., Florham Park, N.J.** Represented by:  
Davis Automatic Controls, Ltd.,  
Toronto 18, Ont.  
Electrical Industries, Ltd.,  
Edmonton, Alta.
- Automation Development Corp., Mentor, Ohio.** Represented by:  
John Best Co., Islington, Ont.
- Automation Devices Inc., Erie, Pa.**  
Represented by:  
John Best Co., Islington, Ont.
- Auto-Ponents Inc., (formerly Pneu-Trol Devices), 1436 North Keating Ave., Chicago 51, Ill.**  
Represented by:  
Dycon Ltd., Toronto 14, Ont.
- Auto Products, 314 North Ewing Ave., St. Louis, Mo.** Rep. by:  
W. H. Cooper & Co. Ltd.,  
Toronto, Ont.
- Autotron Inc., 3629 N. Vermilion St., Danville, Ill.** Represented by:  
Higginson Equipment Sales,  
Ltd., Burlington, Ont.
- Autronics Inc., Florissant, Mo.**  
Represented by:  
Constellation Components Co.,  
Scarborough, Ont.
- Auto-Valve, Inc., Dayton, Ohio.**  
Represented by:  
Railway & Power Engineering  
Corp. Ltd., Montreal, Que.
- Avien Inc., 58-15 Northern Blvd., Woodside 77, N.Y.** Represented by:  
Brian Engineering Ltd.,  
Montreal, Que.
- Avionic Products Engineering Corp., Route 46, Dover, N.J.**  
Represented by:  
Brian Engineering Ltd.,  
Montreal, Que.
- Avon Tube Division, Higbie Mfg. Co., Sylvia St., Rochester, Mich.**  
Represented by:  
National Tubular Products Ltd.,  
Glencoe, Ont.
- Avtron Manufacturing Inc., 10409 Meech Ave., Cleveland 5, Ohio.** Represented by:  
Aircraft Appliances & Equip.  
Ltd., Weston, Ont.

**B**

**B-I-F Industries Inc.**, P.O. Box 1342, Providence, R.I. Represented by: Keith Mercer Co. Ltd., Montreal 28, Que.

**BJ Electronics**, Borg-Warner Corp., P.O. Box 1679, Santa Ana, Calif. Represented by: Instronics Ltd., Stittsville, Ont.

**B & F Instruments**, 3644 N. Lawrence Station, Philadelphia, Pa. Represented by: Electromechanical Products, Agincourt, Ont.

**B & K Manufacturing Co.**, 3731 N. Southport Ave., Chicago 13, Ill. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**B and H Instrument Co.**, 3479 W. Vickery Blvd., Fort Worth 7, Texas. Rep. by: George Kelk Ltd., Willowdale, Ont.

**Baird-Atomic, Inc.**, 33 University Rd., Cambridge 38, Mass. Represented by: Canadian Marconi Ltd., Montreal, Que. Canadian Research Institute, Toronto, Ont. Radionics, Ltd., Montreal, Que. Research Instrumentation Ltd., Montreal, Que.

**Baker Chemical Co., J. T.**, North Broad St., Phillipsburg, N.J. Represented by: Canadian Laboratories Supplies Ltd., Edmonton, Winnipeg, Montreal and Toronto. Cave & Co. Ltd., Edmonton, Vancouver and Toronto. Van Waters & Rogers of Canada Ltd., Scientific Supplies Div., Vancouver, B.C.

**Baldwin-Lima-Hamilton Corp.**, Electronics & Instrumentation Div., 42 Fourth Ave., Waltham 54, Mass. Represented by: Peacock Brothers Ltd., Montreal 3, Que.

**Ballantine Laboratories Inc.**, Boonton, N.J. Represented by: R-O-R Associates Ltd., Don Mills, Ont.

**Barber-Colman Co.**, 1700 Rock St., Rockford, Ill. Represented by: Barber-Colman of Canada Ltd., Toronto, Ont. Control Equipment Co., Montreal, Que. John Herring & Co. Ltd., Toronto, Ont. The Instrument Service Lab., Vancouver, B.C. Rousseau Controls Ltd., Montreal 30, Que. Sanitherm Engineering Ltd., Vancouver, B.C. Wells H. Morton & Co., Edmonton, Alta.

**Barden Corp., The**, E. Franklin St., Danbury, Conn. Rep. by: Philip French Sales Ltd., Montreal 16, Que.

**Barkeley Electric Mfg. Co.**, P.O. Box 23, Middletown, Ohio. Represented by: Ward Leonard of Canada Ltd., Toronto 16, Ont.

**Barker & Williamson, Inc.**, Canal & Beaver Sts., Bristol, Pa. Represented by: The Crawford Radio, Hamilton, Ont. R. C. Kahnert Sales Ltd., Scarborough, Ont.

**Barksdale Valves**, 5125 Alcoa Ave., Los Angeles 58, Calif. Rep. by: Rousseau Controls Ltd., Montreal 30, Que.

**Barnes Development Co.**, 213 W. Baltimore Ave., Lansdowne, Pa. Represented by: Tecneek Associates, Montreal, Que.

**Barnett Instrument Co.**, Kraft St., Clarksville, Tenn. Represented by: Electrolabs, Montreal, Que.

**Barry Controls Inc.**, 700 Pleasant Ave., Watertown, Mass. Rep. by: Samuel C. Hooker (Canada) Ltd., Montreal 28, Que.

**Beaver Chemicals Co.**, Hollis, N.Y. Represented by: Tequipment Mfg. Co. Ltd., London, Ont.

**Beckman/Berkeley Division**, A Division of Beckman Instruments Inc., 2200 Wright Ave., Richmond 3, Calif. Rep. by:

R-O-R Associates Ltd., Don Mills, Ont.

**Beckman/Heliport Division**, A Division of Beckman Instruments Inc., 2500 Fullerton Rd., Fullerton, Calif. Rep. by: Heliport Division of Beckman Instruments Inc., Toronto, Ont. R-O-R Associates Ltd., Don Mills, Ont.

**Beckman/Scientific & Process Instruments Division**, A Division of Beckman Instruments Inc., 2500 Fullerton Rd., Fullerton, Calif.

**Beckman/Systems Division**, A Division of Beckman Instruments Inc., 325 North Muller Ave., Anaheim, Calif.

**Behlman Engineering Co.**, 2911 Winona Ave., Burbank, Calif. Represented by: Electromechanical Products, Agincourt, Ont.

**Belden Mfg. Co.**, P.O. Box 5070A, Chicago 80, Ill. Represented by: Radio Trade Supply Ltd., Toronto, Ont. White Radio Ltd., Hamilton, Ont.

**Bell and Howell**, 7100 McCormick Rd., Chicago, Ill. Represented by: Computing Devices of Canada Ltd., Ottawa, Ont.

**Bell Sound Systems, Inc.**, 555 Marion Rd., Columbus 7, Ohio. Represented by: Thompson Products Ltd., St. Catharines, Ont.

**Bendix Aviation Corp.**, 201 Westwood Ave., Long Branch, N.J. Represented by: Computing Devices of Canada, Ottawa 4, Ont.

**Bendix Aviation Corp.** — Bendix Montrose Div., South Montrose, Pa. Represented by: Aviation Electric Pacific Ltd., Vancouver, B.C.

**Bendix Aviation Corp.** — Cincinnati Division, Cincinnati, Ohio. Represented by: Computing Devices of Canada Ltd., Ottawa 4, Ont.

**Bendix Aviation Corp.** — Computer Division, 5630 Arbor Vitae St., Los Angeles 45, Calif. Rep. by: Computing Devices of Canada, Ottawa 4, Ont.

**Bendix Aviation Corp.** — Eclipse Pioneer Division, Teerboro, N.J. Represented by: Aviation Electric Pacific Ltd., Vancouver, B.C.

**Bendix Aviation Corp.** — Friez Div., Baltimore, Md. Represented by: Computing Devices of Canada Ltd., Ottawa 4, Ont.

**Bendix Aviation Corp.** — Pacific Division, 11600 Sherman Way, North Hollywood, Calif. Rep. by: Aviation Electric Pacific Ltd., Vancouver, B.C. Computing Devices of Canada Ltd., Ottawa, Ont.

**Bendix Aviation Corp.** — Pioneer Central Division, Davenport, Iowa. Represented by: Aviation Electric Pacific Ltd., Vancouver, B.C.

**Bendix Aviation Corp.** — Radio Division, Baltimore, Md. Rep. by: Aviation Electric Pacific Ltd., Vancouver, B.C. Computing Devices of Canada Ltd., Ottawa 4, Ont.

**Bendix Aviation Corp.** — Red Bank Division, Eatontown, N.J. Rep. by: Aviation Electric Pacific Ltd., Vancouver, B.C. Computing Devices of Canada Ltd., Ottawa 4, Ont.

**Bendix Aviation Corp.** — Research Division, Detroit, Mich. Rep. by: Computing Devices of Canada Ltd., Ottawa 4, Ont.

**Bendix Aviation Corp.** — Scintilla Division, P.O. Box 188, Sidney, N.Y. Represented by: Aviation Electric Ltd., Montreal, Que. Aviation Electric Pacific Ltd., Vancouver, B.C.

**Benson Lehner Corporation**, 11930 Olympic Blvd., Los Angeles 64, Calif. Rep. by: Computing Devices of Canada Ltd., Ottawa 4, Ont.

**Bentley-Harris Mfg. Co.**, Hector & Lime Sts., Conshohocken, Pa. Represented by: Electric Insulation & Fibre Co. Ltd., Toronto 14, Ont.

**Bergen Laboratories Inc.**, 247 Crooks Ave., Clifton, N.J. Represented by: Electrodesign, Montreal, Que.

**Berkshire Electric Cable Co.**, Leeds, Mass. Represented by: The Glendon Company Ltd., Toronto 1, Ont.

**Bernard Welding Equipment Co.**, 10232 Avenue "N", Chicago, Ill. Represented by: Canadian Liquid Air Company, Montreal, Que.

**Berndt-Bach Inc.**, 6900 Romaine St., Hollywood 38, Calif. Rep. by: Caldwell A/V Equipment Co. Ltd., Toronto 5, Ont. Alex L. Clark Ltd., Islington, Ont.

**Beryllium Corporation**, P.O. Box 1462, Reading, Pa. Represented by: Peckover's Limited, Toronto 9, Ont.

**Biddle Co., James G.**, 1316 Arch St., Philadelphia, Pa. Rep. by: R. H. Nichols Co. Ltd., Downsview, Ont.

**Bimba Mfg. Co.**, Monee, Ill. Represented by: John Best Co., Islington, Ont.

**Bin-Dicator Co., The**, 13946 Kercheval Ave., Detroit 15, Mich. Represented by: Peacock Brothers Ltd., Montreal 3, Que.

**Birnback Radio Co., Inc.**, 145 Hudson St., New York, N.Y. Represented by: Payette Radio Ltd., Montreal, Que.

**Bircher Corporation**, 4371 Valley Blvd., Los Angeles 32, Calif. Represented by: Lake Engineering Co. Ltd., Scarborough, Ont.

**Blackstone Corporation**, 1111 Allen St., Jamestown, N.Y. Represented by: Blackstone Industrial Products, Ltd., Stratford, Ont.

**Bliley Electric Company**, 200 Union Station Bldg., Erie, Pa. Represented by: C. M. Robinson Co., Winnipeg 3, Man.

**Bliss Electronic Corp.**, Box 366, Sussex, N.J. Represented by: Electronic Communications, Ltd., Montreal, Que.

**Blonder-Tongue Laboratories, Inc.**, 9 Alling St., Newark 2, N.J. Represented by: Tequipment Mfg. Co. Ltd., London, Ont.

**Blue M Electric Co.**, 138th & Chatham St., Blue Island, Ill. Represented by: Canadian Laboratories Supplies Ltd., Toronto, Ont. Fisher Scientific Co. Ltd., Montreal, Que. Hoskins Scientific Co., Montreal, Que.

**Bodnar Industries Inc.**, 238 Huguenot St., New Rochelle, N.Y. Represented by: The Glendon Company Ltd., Toronto 1, Ont.

**Boesch Manufacturing Co., Inc.**, 45 River St., Danbury, Conn. Represented by: Bayly Engineering Ltd., Ajax, Ont.

**Bogen-Presto Co.**, P.O. Box 500, Paramus, N.J. Represented by: Radio Trade Supply Ltd., Toronto, Ont. Charles L. Thompson, Ltd., North Vancouver, B.C. (Western Canada). John R. Tilton Ltd., Toronto 9, Ont. (Eastern Canada).

**Bomac Laboratories, Inc.**, Salem Rd., Beverly, Mass. Rep. by: R-O-R Associates Ltd., Don Mills, Ont.

**Boonton Electronics Corp.**, 738 Speedwell Ave., Morris Plains, N.J. Represented by: MEL Sales Ltd., Toronto 12, Ont.

**Boonton Radio Corp.**, 50 Intervale Rd., Boonton, N.J. Rep. by: Bayly Engineering Ltd., Ajax, Ont.

**Boots Aircraft Nut Corp.**, Newton Turnpike, Norwalk, Conn. Represented by: Aeromotive Engineering Products Ltd., Pointe Claire, Montreal 33, Que.

**Borden Chemical Company, The**, A Division of The Borden Co., 350 Madison Ave., New York 17, N.Y. Represented by: The Borden Chemical Company Canada Ltd., West Hill, Ont.

**Borden Chemical Company** — Resinote Dept., 1 Clark St., North Andover, Mass. Rep. by: Alloycraft Ltd., Montreal 6, Que. Electro Sonic Supply Co. Ltd., Toronto, Ont. Paisley Products of Canada Ltd., Toronto, Ont.

**Boston Insulated Wire & Cable Co.**, 65 Bay St., Boston 25, Mass. Represented by: Boston Insulated Wire & Cable Co., Hamilton, Ont.

**Boulevard Electronics Inc.**, 1229 West Washington Blvd., Chicago 7, Ill. Represented by: J. J. MacQuarrie Sales, Toronto 5, Ont.

**Bourns Laboratories Inc.**, 6135 Magnolia Ave., Riverside, Calif. Represented by: Douglas Randall (Canada) Ltd., Scarborough, Ont.

**Bowmar Instrument Corporation**, 8000 Bluffton Rd., Fort Wayne, Ind. Represented by: Aeromotive Engineering Products Ltd., Pointe Claire, Montreal 33, Que.

**Bradford Components, Inc.**, 65 South Ave., (Box 107), Salamanca, N.Y. Represented by: William M. Hummel, Port Credit, Ont.

**Bradford Metalmaster Co.**, 3646 Llewellyn St., Cincinnati 25, Ohio. Represented by: Hope Machinery Co., Toronto 2, Ont.

**Bradley Semiconductor Corp.**, P.O. Box 1451, New Haven 11, Conn. Represented by: Wholesale Radio & Electronics Ltd., Toronto 19, Ont.

**Brady Co. W. H.**, 727 W. Glendale Ave., Milwaukee 9, Wis. Rep. by: W. H. Brady Co. of Canada Ltd., Brampton, Ont.

**Brand & Co., Inc., William**, North & Valley Sts., Willimantic, Conn. Represented by: William T. Barron, Oakville, Ont.

**Branson Instruments, Inc. and Branson Ultrasonic Corp.**, 37 Brown House Rd., Stamford, Conn. Represented by: Electrodesign, Montreal, Que. Inman Industries Ltd., Vancouver 13, B.C. Magnachem Ltd., Calgary, Alta.

**Braun-Knecht-Heimann Co.**, Glass Engineering Dept., 601 O'Neill Ave., Belmont, Calif. Represented by: Scientific Supplies Co., Vancouver 12, B.C.

**Breeze Corporation, Inc.**, 700 Liberty Ave., Union, N.J. Represented by: Aviguipo of Canada Ltd., Montreal, Que. Hart Electronics Ltd., Winnipeg, Man. Railway & Power Engineering Corp. Ltd., Montreal, Que.

**Bridgeport Insulated Wire Co.**, Bridgeport, Conn. Rep. by: Hawkesbury Wire Company Ltd., Hawkesbury, Ont.

**Bristol Co., The**, P.O. Box 1790, Waterbury, Conn. Represented by: The Bristol Co. of Canada Ltd., Toronto 2, Ont.

**Bristol Motor Division, Vocaline Co. of America**, Coulter St., Old Saybrook, Conn. Represented by: A. T. R. Armstrong Ltd., Toronto, Ont.

**Bronson Co., Homer D.**, Beacon Falls, Conn. Represented by: Railway & Power Engineering Corp. Ltd., Montreal, Que.

**Brooks Rotameter Co.**, P.O. Box 432, Lansdale, Pa. Represented by: CIS-CAN Chemical & Industrial Sales Ltd., Edmonton, Alta. Keith Mercer Co. Ltd., Montreal 28, Que.

**Bruning Co., The**, Box 147, Lincoln, Neb. Represented by: Dycon Ltd., Toronto 14, Ont.

**Brush Instruments, Division of Cleve Corp.**, 37th and Perkins Ave., Cleveland 14, Ohio. Rep. by: Bayly Engineering Ltd., Ajax, Ont.



**Bryant Electric Co., The, Box D,** Barnum Station, Bridgeport 2, Conn. Represented by: Smith & Stone Ltd., Toronto, Ont.

**Buchanan Electrical Products Corp.,** 257 Route 22, Hillside, N.J. Represented by: Gasaccumulor Co. (Canada) Ltd., Toronto 16, Ont.

**Bud Radio, Inc.,** 2118 East 55th St., Cleveland 3, Ohio. Rep. by: Tenatronics Ltd., Newmarket, Ont.

**Budelman Electronics Corp.,** 375 Fairfield Ave., Stamford, Conn. Represented by: Tele-Radio Systems Ltd., Toronto 9, Ont.

**Bulova Watch Co., Electronics Division,** 40-06 62nd St., Woodside, N.Y. Represented by: Beechey Enterprises, Weston, Ont.

**Burnell & Co., Inc.,** 10 Pelham Parkway, Pelham Manor, N.Y. Represented by: M. J. Howard & Co. Ltd., Ottawa, Ont.

**Ray Johnston Co.,** Seattle, Wash. (British Columbia only).

**Burnell-Brown Research Corp.,** Box 6444, Tucson, Arizona. Represented by: Electromechanical Products, Agincourt, Ont.

**Burrongs Corporation, ElectroData Division,** 460 Sierra Madre Villa, Pasadena, Calif.

Represented by: Burrongs Adding Machine Corp. of Canada Ltd., Ottawa, Ont.

**Burrongs Corporation, Electronic Tube Division,** P.O. Box 1226, Plainfield, N.J.

**Burton Rogers Co.,** 42 Carleton St., Cambridge 42, Mass. Rep. by: Frank T. Ross & Sons Ltd., West Vancouver, B.C.

**Busch Film & Equipment Co.,** 214 St. Hamilton St., Saginaw, Mich. Represented by: Caldwell A/V Equipment Co. Ltd., Toronto 5, Ont.

**Bussman Mfg. Division, McGraw-Edison Co.,** University at Jefferson, St. Louis 7, Mo. Rep. by: James B. Carter Ltd., Winnipeg, Man.

**Great Lakes Electrical Specialties Ltd.,** Toronto 14, Ont.

**California Technical Industries Div. of Textron Inc.,** 1421 Old County Rd., Belmont, Calif.

Represented by: Electrodesign, Montreal, Que.

**Callins Industries Inc.,** Greenfield, Tenn. Represented by: J. C. E. Mitchell Electronics, Toronto 3, Ont.

**Cam Block Corp.,** New York City, N.Y. Represented by: Musimart of Canada, Ltd., Montreal 1, Que.

**Cambridge Thermionic Corp.,** 445 Concord Ave., Cambridge 38, Mass. Represented by: Cambridge Thermionic of Canada, Ltd., Montreal 28, Que.

**Samuel C. Hooker (Canada) Ltd.,** Montreal 28, Que.

**Capeway Instrument Corp.,** Highland Ave. at No. Bedford St., Bridgewater, Mass. Rep. by: General Communications Ltd., Toronto 16, Ont.

**Capitol Machine Co.,** 36 Balmforth Ave., Danbury, Conn. Represented by: John R. Tilton Ltd., Toronto 9, Ont.

**Carbone Corp.,** Boonton, N.J. Represented by: R & M Bearings Canada Ltd., Montreal, Que.

**Cardwell Condenser Corp.,** Plainville, Conn. Represented by: Charles W. Pointon Ltd., Rexdale, Ont.

**Carling Electric, Inc.,** 505 New Park Ave., West Hartford 10, Conn. Represented by: Radio Trade Supply Ltd., Toronto, Ont.

**John R. Tilton Ltd.,** Toronto 9, Ont.

**Carter Motor Co.,** 2711 West George St., Chicago 18, Ill. Represented by: Canadian Electronics Ltd., Edmonton, Alta.

**Northwestern Agencies, Seattle 4, Wash. (B.C. only),** Charles W. Pointon Ltd., Rexdale, Ont.

(All provinces except B.C.)  
**Carter Parts Co.,** 3401 Madison St., Skokie, Ill. Represented by: John R. Tilton Ltd., Toronto 9, Ont.

**Cascade Research, Division of Monogram Precision Industries,** 53 Victory Lane, Los Gatos, Calif. Represented by: Microwave Systems, Scarborough, Ont.

**Caterpillar Tractor Co.,** Peoria, Ill. Represented by: Geo. W. Crothers Ltd., Toronto 17, Ont.

**Celestial Tapes Inc.,** 1320 Prospect St., Seattle 9, Wash. Rep. by: Ron Merritt Co., Vancouver 1, B.C.

**Central Electronic Manufacturers,** 2 Richmond Place, Denville, N.J. Represented by: Philips Electronic Industries, Ltd., Toronto 17, Ont.

**Central Electronics Inc.,** 1247 W. Belmont Ave., Chicago, Ill. Represented by: Robert J. Buckland Co., Chatham, Ont.

**Centralab Division of Globe Union Inc.,** 900 E. Keefe Ave., Milwaukee 1, Wis. Rep. by: P. J. Heenan Ltd., Toronto 17, Ont.

**Radio Trade Supply Ltd.,** Toronto, Ont.

**Centronix Inc.,** 4000 N.W. 28th St., Miami, Fla. Represented by: Active Radio & TV Distributors, Toronto, Ont.

**Century Electronics and Instruments Inc.,** 1333 North Utica, Tulsa, Okla. Represented by: Electromechanical Products, Agincourt, Ont.

**The Garrett Mfg. Corp. of Canada Ltd.,** Rexdale, Ont.

**Century Lighting Inc.,** 521 W. 43rd St., New York 36, N.Y. Represented by: Caldwell A/V Equipment Co. Ltd., Toronto 5, Ont.

**Chadsey Corporation,** Hartford, Conn. Represented by: Irving Smith Ltd., Montreal, Que.

**Chassis-Trak Inc.,** 525 S. Webster Ave., Indianapolis 19, Ind. Represented by: Electrodesign, Montreal, Que.

**Chemalloy Electronics Corp.,** Gillespie Airport, Santee, Calif.

Represented by: Beechey Enterprises, Weston, Ont.

**Payette Radio Ltd.,** Montreal, Que.

**Chemlist Products Corp.,** 15-08 121st St., College Point 56, N.Y. Represented by: Gulley Company Ltd., Scarborough, Ont.

**Chemo Products Inc.,** West Warwick, R.I. Rep. by: A. W. Andrews & Associates, Port Credit, Ont.

**Chemtronics Inc.,** 122 Montgomery St., Brooklyn 25, N.Y. Rep. by: Active Radio & TV Ltd., Toronto, Ont.

**Cherry Electrical Products Corp.,** 1650 W. Deerfield Rd., Highland Park, Ill. Represented by: Barry Electric Ltd., Toronto 18, Ont.

**Chester Cable Corp.,** Subsidiary of Miami Copper Co., Chester, N.Y. Represented by: Eugene Meth and Associates, Montreal, Que.

**Chicago Hardware & Foundry Co.,** North Chicago, Ill. Rep. by: Canadian Liquid Air Co., Montreal, Que.

**Chicago Industrial Instrument Co.,** 865 N. Sangamon St., Chicago 22, Ill. Represented by: Electrolabs, Montreal, Que.

**Chicago Miniature Lamp Works,** 1500 North Ogden Ave., Chicago 10, Ill. Represented by: Lake Engineering Co. Ltd., Scarborough, Ont.

**Chicago Telephone Supply Corp.,** 1142 W. Beardsley Ave., Elkhart, Ind. Represented by: C. C. Meredith & Co. Ltd., Streetsville, Ont.

**Christie Electric Corp.,** 3410 West 67th St., Los Angeles 43, Calif. Represented by: Aeromotive Engineering Products Ltd., Pointe Claire, Montreal 33, Que.

**Churchill Chemical Corp.,** 3137 E. 26th St., Los Angeles, Calif. Represented by: Willard Spenser Co., Windsor, Ont.

**Churchill Lighting Corp.,** 344 Franklin St., Melrose 76, Mass. Represented by: Lake Engineering Co. Ltd., Scarborough, Ont.

**Cinch-Jones Sales,** Chicago, Ill. Represented by: United-Carr Fastener Co. of Canada Ltd., Hamilton, Ont.

**Cinch Manufacturing Company,** 1026 S. Homan Ave., Chicago 24, Ill. Represented by: Cinch Manufacturing Co., Hamilton, Ont.

**United-Carr Fastener Co. of Canada Ltd.,** Hamilton, Ont.

**Cincinnati Sub Zero Products,** 3932 Reading Rd., Cincinnati 29, Ohio. Represented by: The Romex Company, Montreal 26, Que.

**Cincinnati Time Recorder Co.,** 1733 Central Ave., Cincinnati 14, Ohio. Represented by: Barvic Engineering Ltd., Vancouver 1, B.C.

**D & B Sound and Signals Inc.,** Montreal 1, Que.

**Cinekad Engineering Co.,** 500 West 52nd St., New York 19, N.Y. Represented by: Caldwell A/V Equipment Co. Ltd., Toronto 5, Ont.

**Cinema Engineering Division,** 1100 Chestnut St., Burbank, Calif. Represented by: Samuel C. Hooker (Canada) Ltd., Montreal 28, Que.

**Circle "F" Mfg. Co.,** Trenton, N.J. Represented by: Verd-A-Ray Electric Products Ltd., Montreal 9, Que.

**Cisin, H. G.,** Amagansett, N.Y. Represented by: John R. Tilton Ltd., Toronto 9, Ont.

**Clairex Corp.,** 19 W. 26th St., New York City 10, N.Y. Rep. by: Radio Trade Supply Ltd., Toronto, Ont.

**Clarostat Mfg. Co., Inc.,** Washington Ave., Dover, N.H. Represented by: Canadian Marconi Co., Electronic Tube & Components Div., Toronto 17, Ont.

**Clary Corporation,** 408 Junipero St., San Gabriel, Calif. Rep. by: Computing Devices of Canada Ltd., Ottawa 4, Ont.

**Cletron, Inc.,** 1974 East 61st St., Cleveland, Ohio. Represented by: Norris Burgess, Toronto 7, Ont.

**Cleveland Container Co.,** 6201 Barberton Ave., Cleveland 2, Ohio. Represented by: Paisley Products of Canada Ltd., Scarborough, Ont.

**Cleveland Worm & Gear Co.,** 3249 East 80th St., Cleveland 4, Ohio. Represented by: Peacock Brothers Ltd., Montreal 3, Que.

**Clevite Transistor Products,** 241 Crescent St., Waltham 54, Mass. Represented by: The Glendon Company Ltd., Toronto 1, Ont.

**Clough-Brengle Company, The,** 6014 Broadway, Chicago 40, Ill. Represented by: Hackbusch Electronics Ltd., Toronto 4, Ont.

**Clover Industries Inc.,** 578-588 Young St., Tonawanda, N.Y. Represented by: A. Foster & Sons Ltd., Aircraft Div., Toronto, Ont.

**Coast Pro-Seal & Mfg. Co. Ltd.,** 2235 Beverly Blvd., Los Angeles 57, Calif. Represented by: Avlquipo of Canada Ltd., Montreal, Que.

**Coaxial Connector Co.,** 37 N. 2nd Ave., Mount Vernon, N.Y. Represented by: Teleguipment Mfg. Co. Ltd., London, Ont.

**Coll Winders, Inc.,** New York Ave., Westbury, N.Y. Represented by: E. G. Lomas Co., Ottawa, Ont.

**Colman Electronics Co.,** 1017 N.E. 3rd Ave., Amarillo, Texas. Represented by: William Cohen Ltd., Montreal, Que.

**Columbia Wire & Supply Co.,** 2850 Irving Park Rd., Chicago, Ill. Represented by: Active Radio & TV Distributors, Toronto 2B, Ont.

**Columbian Carbon Co. — Mapico Iron Oxides Unit,** 380 Madison Ave., New York 17, N.Y. Rep. by: Columbian Carbon (Canada) Ltd., Carbon Black & Pigment Div., Toronto 14, Ont.

**Columbus Electronics, Yonkers, N.Y.** Represented by: Taylor-Leslie Mining & Engineering Corp. Ltd., Toronto, Ont.

**Colvin Laboratories, Inc.,** 364 Glenwood Ave., East Orange, N.J. Represented by: Aeromotive Engineering Products Ltd., Pointe Claire, Montreal 33, Que.

**Comar Electric Co.,** 3349 Addison St., Chicago 18, Ill. Rep. by: Musimart of Canada Ltd., Montreal 1, Que.

**Commercial Iron Works,** 2424 Porter St., Los Angeles 21, Calif. Represented by: Peacock Brothers Ltd., Montreal 3, Que.

**Communication Measurements Laboratory Inc.,** 350 Leland Ave., Plainfield, N.J. Represented by: MEL Sales Ltd., Toronto 12, Ont.

**Communication Products Co., Inc.,** Marlboro, N.J. Represented by: Barvic Engineering Ltd., Vancouver 1, B.C.

**Tele-Radio Systems Ltd.,** Toronto 9, Ont.

**Computer-Measurements Co.,** Div. of Pacific Industries, 12970 Bradley Ave., Sylmar, Calif. Represented by: Electromechanical Products, Agincourt, Ont.

**Conant Laboratories,** 6500 'O' St., Lincoln 5, Neb. Represented by: James Grogan, Toronto, Ont.

**Condenser Products Co.,** 140 Hamilton St., New Haven 4, Conn. Represented by: Aeromotive Engineering Products Ltd., Pointe Claire, Montreal 33, Que.

**Connecticut Hard Rubber Co.,** 407 East St., New Haven 9, Conn. Represented by: Griswold Engineering Co. Ltd., Montreal 8, Que.

## C

**CBC Electronics Co., Inc.,** 2601 N. Howard St., Phila. 33, Pa. Represented by: William Cohen Ltd., Montreal, Que.

**CBS Electronics, A Division of Columbia Broadcasting System, Inc.,** 100 Endicott St., Danvers, Mass. Represented by: Canadian General Electric Co. Ltd., Toronto, Ont.

**CBS Laboratories, High Ridge Rd.,** Stamford, Conn. Represented by: Radionics Ltd., Montreal 9, Ont.

**C. G. Electronics Corp.,** 15000 Central East, Albuquerque, N.M. Represented by: Titania Electric Corp. of Canada Ltd., Gananoque, Ont.

**CIRCO Ultrasonic Corp.,** 51 Terminal Ave., Clark, N.J. Represented by: Elder Electronics, Burlington, Ont.

**C.W.S. Waveguide Corp.,** Amityville, L.I., N.Y. Rep. by: Samuel C. Hooker (Canada) Ltd., Montreal 28, Que.

**Calco Mfg. Co.,** Addison, Ill. Represented by: Airfite Components Co., Toronto 15, Ont.

**Caledonia Electric & Transformer Corp.,** Maple St., Caledonia, N.Y. Represented by: Hackbusch Electronics Ltd., Toronto 4, Ont.

**Callifone Corp.,** 1020 North La Brea Ave., Hollywood 38, Calif. Represented by: Omer Belanger, Montreal, Que.

**Caldwell A/V Equipment Co. Ltd.,** Toronto, Ont.

**Inland Broadcasting Service,** Winnipeg, Man.

**Maple Leaf Enterprises,** Vancouver, B.C.

**Connector Corp.**, 6025 N. Keystone Ave., Chicago 46, Ill. Rep. by: William M. Hummel, Port Credit, Ont.

**Conoflow Corp.**, 2100 Arch St., Philadelphia, Pa. Represented by: CIS-CAN Chemical & Industrial Sales Ltd., Edmonton, Alta.

**Conrac Inc.**, 19217 Foothill Blvd., Glendora, Calif. Represented by: Canadian Electronics Ltd., Edmonton, Alta. Canadian Marconi Company, Montreal, Que. H. Roy Gray Ltd., Toronto 13, Ont. Pye Canada Ltd., Ajax, Ont.

**Conrad Inc.**, 141 Jefferson St., Holland, Mich. Represented by: Beechey Enterprises, Weston, Ont.

**Consolidated Avionics Corp.**, 800 Shames Drive, Westbury, L.I., N.Y. Represented by: Consolidated Diesel Electric Corp. of Canada Ltd., Rexdale, Ont.

**Consolidated Controls Corp.**, 19 Durant Ave., Bethel, Conn. Represented by: Aviquipo of Canada Ltd., Montreal 25, Que.

**Consolidated Diesel Electric Corp.**, 880 Canal St., Stamford, Conn. Represented by: Consolidated Diesel Electric Corp. of Canada Ltd., Rexdale, Ont.

**Consolidated Resistance Co. of America Inc.**, 44 Prospect St., Yonkers, N.Y. Represented by: E. E. Whittaker, Ottawa, Ont.

**Consolidated Wire and Associated Companies**, 1635 South Clinton St., Chicago 16, Ill. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Continental Carbon Division of Wirt Co.**, 5221 Greene St., Philadelphia 44, Pa. Rep. by: Lake Engineering Co. Ltd., Scarborough, Ont.

**Continental Connector Corp.**, Northern Blvd. at 45th St., North Island City 1, N.Y. Rep. by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Continental-Diamond Fibre Corp.**, Newark, Delaware. Rep. by: Continental-Diamond Fibre of Canada Ltd., Toronto 16, Ont.

**Continental Electric Company (Cetron)**, 715 Hamilton St., Geneva, Ill. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Contour Marker Corp.**, 1843 East Compton Blvd., Compton, Calif. Represented by: Canadian Liquid Air Co., Montreal, Que.

**Control, A Division of Magnetics Inc.**, Diamond Building, Butler, Pa. Represented by: George M. Fraser Ltd., Toronto 7, Ont.

**Control Corporation**, 718 Central Ave., Minneapolis 14, Minn. Represented by: R. H. Nichols Ltd., Downsview, Ont.

**Control Electronics Co., Inc.**, 10 Stepar Place, Huntington Station, L.I., N.Y. Rep. by: E. E. Whittaker, Ottawa, Ont.

**Co-Operative Industries, Inc.**, 100 Oakdale Rd., Chester, N.J. Represented by: E. G. Lomas, Ottawa 4, Ont. Arthur O. Secord, Toronto 9, Ont.

**Cornell-Dubilier Electric Corp.**, 333 Hamilton Blvd., South Plainfield, N.J. Rep. by: W. T. Barron, Oakville, Ont. Rutherford Agencies, Montreal 9, Que.

**Corning Glass Works**, Electronic Components, Bradford, Pa. Represented by: Erie Resistor of Canada Ltd., Trenton, Ont. Lake Engineering Co. Ltd., Scarborough, Ont.

**Cosmo Plastics Co.**, 3239 W. 14th St., Cleveland 9, Ohio. Represented by: A. W. Andrews & Associates, Port Credit, Ont.

**Couch Ordnance Inc.**, 3 Arlington St., North Quincy 71, Mass. Represented by: Leonard Electric Ltd., Toronto 18, Ont.

**Couch Co. Inc., S. H.**, 3 Arlington St., North Quincy 71, Mass. Represented by: D & B Sound and Signals Inc., Montreal 1, Que. MacIvor Electronics Ltd., Winnipeg 13, Man.

**Cramer Controls Corp.**, Centerbrook, Conn. Rep. by: Burlec Sales Ltd., Toronto, Ont.

**Crane Packing Co.**, 6400 Oakton St., Morton Grove, Ill. Rep. by: Crane Packing Co. Ltd., Hamilton, Ont.

**Crawford Fitting Co.**, Cleveland, Ohio. Represented by: CIS-CAN Chemical & Industrial Sales Ltd., Edmonton, Alta.

**Crescent Engineering & Research Co.**, 5440 North Peck Rd., El Monte, Calif. Represented by: Electrodesign, Montreal, Que.

**Crest Instrument Co.**, 11808 S. Bloomfield Ave., Sante Fe Springs, Calif. Rep. by: Magnachem Ltd., Calgary, Alta.

**Crosby Electronics Inc.**, 135 Elleen Way, Syosset, N.Y. Rep. by: Active Radio & TV Ltd., Toronto, Ont.

**Crowley Division, Aerovox Corp.**, West Orange, N.J. Rep. by: Aerovox Canada Ltd., Hamilton, Ont.

**Crown Controls Co. Inc.**, 40-44 S. Washington Blvd., New Bremen, Ohio. Rep. by: E. S. Gould Sales Co., Montreal 1, Que.

**Crown Industrial Products Co.**, 713 Amsterdam St., Woodstock, Ill. Represented by: Irving Smith Ltd., Montreal, Que.

**Crucible Steel Co. of America**, P.O. Box 2518, Pittsburgh 30, Pa. Represented by: Crucible Steel Co. of America, Toronto 5, Ont. Railway & Power Engineering Corp. Ltd., Montreal, Que.

**Cubic Corp.**, 5575 Kearny Villa Rd., San Diego 11, Calif. Rep. by: Electrodesign, Montreal, Que.

**Cunningham Manufacturing Co.**, Orlando, Fla. Represented by: General Communications Ltd., Toronto 16, Ont.

**Cunningham Son & Co., James**, 33 Litchfield St., Rochester 8, N.Y. Represented by: Aeromotive Engineering Products Ltd., Pointe Claire, Montreal 33, Que.

**Cuno Engineering Corp.**, South Vine St., Meriden, Conn. Rep. by: Peacock Brothers Ltd., Montreal 3, Que.

**Curtis Development & Mfg. Co.**, 3286 North 33rd St., Milwaukee 16, Wis. Represented by: A. C. Simmonds & Sons Ltd., Toronto 7, Ont.

**Curtiss Wright Corp.**, 631 Central Ave., Carlstadt, N.J. Rep. by: Consolidated Electronic Equipment Co., Ltd., Willowdale, Ont.

**Curtiss Wright Corp., Electronics Division**, 631 Central Ave., Carlstadt, N.J. Represented by: Canadian Curtiss Wright Ltd., Montreal, Que.

**Custom Components, Inc.**, P.O. Box 248, Caldwell, N.J. Represented by: Lake Engineering Co. Ltd., Scarborough, Ont.

**D**

**Dage Electric Company, Inc.**, 67 North Second St., Beech Grove, Ind. Represented by: Simmonds Aerocessories of Canada Ltd., Hamilton, Ont.

**Dage Television Division of Thompson Ramo Wooldridge, Inc.**, West 10th St., Michigan City, Ind. Represented by: Thompson Products Ltd., St. Catharines, Ont.

**Dahl Co., Inc., Geo. W.**, 86 Tupelo St., Bristol, R.I. Represented by: Keith Mercer Co. Ltd., Montreal 28, Que.

**Dale Products, Inc.**, P.O. Box 136, Columbus, Neb. Represented by: Canadian Electric Resistors Ltd., Toronto 16, Ont. Charles W. Pointon Ltd., Rexdale, Ont.

**Darling Technical Laboratories**, P.O. Box 72, Costa Mesa, Calif. Represented by: Rutherford Agencies, St. Laurent, Que.

**Datex Division, G. M. Giannini Inc.**, 1307 So. Myrtle Ave., Monrovia, Calif. Represented by: Instronics Ltd., Stittsville, Ont.

**Daubert Chemical Co.**, 4700 S. Central Ave., Chicago, Ill. Represented by: Kruger Paper Co. Ltd., Toronto 2B, Ont. Twinpak, Ltd., Montreal 29, Que.

**Daven Company, The**, 530 W. Mount Pleasant Ave., Livingston, N.J. Represented by: Adams Engineering Ltd., Montreal, Que.

**Davies Molding Co., Harry**, 1428 No. Wells St., Chicago 10, Ill. Represented by: Atlas Radio Corp., Ltd., Toronto 19, Ont.

**Davis Regulator Co.**, 2541 South Washenaw Ave., Chicago 8, Ill. Represented by: Davis Automatic Controls Ltd., Toronto 18, Ont.

**Davol Rubber Co.**, 69 Front St., Providence 2, R.I. Represented by: Canadian Liquid Air Co., Montreal, Que.

**Daymar Electronics Specialties**, 6655 S. Mozart St., Chicago, Ill. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Daystrom Instrument, Division of Daystrom, Incorporated**, Archibald, Pa. Represented by: Daystrom, Limited, Toronto, Ont.

**Daystrom Pacific, Division of Daystrom, Incorporated**, 9320 Lincoln Blvd., Los Angeles, Calif. Represented by: Daystrom, Limited, Toronto, Ont.

**Daystrom Systems, La Jolla, Calif.** Represented by: Daystrom, Limited, Toronto, Ont.

**Daystrom Transicoil, Worcester, Pa.** Represented by: Daystrom, Limited, Toronto, Ont.

**Daystrom Weston — Industrial Division**, Poughkeepsie, N.Y. Represented by: Daystrom, Limited, Toronto, Ont.

**Daystrom Weston — Industrial Gauge Division**, West Englewood, N.J. Represented by: Daystrom, Limited, Toronto, Ont.

**Daytronic Corporation**, 216 S. Main St., Dayton 2, Ohio. Represented by: A. C. Wickman Ltd., Toronto 14, Ont.

**Decker Engineering Corp.**, 521 W. 17th St., Long Beach 13, Calif. Represented by: W. Hobson & Associates, Lachine, Que.

**DeJur-Amsco Corporation**, Electronic Sales Division, 45-01 Northern Blvd., Long Island City 1, N.Y. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Delevan Electronics Corp.**, 77 Olean Rd., East Aurora, N.Y. Represented by: E. S. Gould Sales Co., Montreal 1, Que.

**DeMornay-Bonardi, Inc.**, 780 So. Arroyo Parkway, Pasadena, Calif. Represented by: Bayly Engineering Ltd., Ajax, Ont.

**Dero Electronics**, 134 Nassau Rd., Roosevelt, L.I., N.Y. Rep. by: Tequipment Mfg. Co. Ltd., London, Ont.

**Designers for Industry, Inc.**, 4241 Fulton Parkway, Cleveland, Ohio. Represented by: Radionics Ltd., Montreal 9, Que.

**Despatch Oven Co.**, 619 S.E. 8th St., Minneapolis, Minn. Rep. by: Canadian Laboratory Supplies Ltd., Montreal, Que.

**Cave and Co. Ltd.**, Edmonton, Alta. and Vancouver, B.C.

**Central Scientific Co. of Canada Ltd.**, Toronto, Ont.

**Fisher Scientific Co. Ltd.**, Toronto, Ont.

**J. F. Hartz Co. Ltd.**, Halifax, N.S.

**Industrial Combustion & Equipment Ltd.**, Montreal, Que.

**Kipp Kelly Ltd.**, Toronto, Ont.

**Scientific Supplies Co.**, Vancouver, B.C.

**Wakefield Co.**, Montreal, Que.

**Deublin Co.**, Glenview, Ill. Represented by: John Best Co., Islington, Ont.

**Deutsch Co., The**, 14800 S. Figueroa, Los Angeles, Calif. Represented by: Brian Engineering Ltd., Montreal, Que.

**Dialight Corporation**, 60 Stewart Ave., Brooklyn 37, N.Y. Rep. by: Lake Engineering Co. Ltd., Scarborough, Ont.

**Dialtron Corporation**, 203 Harrison Place, Brooklyn 37, N.Y. Represented by: Lake Engineering Co. Ltd., Scarborough, Ont.

**Diamond Antenna & Microwave Corp.**, 7 North Ave., Wakefield, Mass. Represented by: Conway Electronic Enterprise Reg'd, Toronto 10, Ont.

**Diamond Power Specialty Corp.**, Electronics Division, P.O. Box 415 Route 22 East, Lancaster, Ohio. Represented by: Diamond Specialty Ltd., Windsor, Ont.

**Di/An Controls, Inc.**, 40 Leon St. Boston 15, Mass. Represented by: Radionics, Inc., Montreal 9, Que.

**Dictaphone Corporation**, 420 Lexington Ave., New York, N.Y. Represented by: Dictaphone Corporation Ltd., Toronto, Ont.

**Diehl Manufacturing Company**, 1231 FINDERMEYER AVE., SOMERVILLE, N.J. Represented by: Douglas Randall (Canada) Ltd., Scarborough, Ont.

**Dielectric Products Engineering Co., Inc.**, Raymond, Me. Rep. by: Dayrand Ltd., Montreal 6, Que.

**Digitran Company, A Division of Endeavor Corp.**, 161 East California St., Pasadena, Calif. Rep. by: MEL Sales Ltd., Toronto 12, Ont.

**Dillon & Company, Inc., W. C.**, P.O. Box 3008, Van Nuys, Calif. Represented by: Brian Engineering Ltd., Montreal, Que. George M. Fraser Ltd., Toronto 7, Ont. Tatnall Measuring and Nuclear Systems, Toronto 16, Ont.

**Dimco-Gray Co.**, 207 E. 6th St., Dayton, Ohio. Represented by: Garlick Fibers Ltd., Toronto 2B, Ont.

**Divco-Wayne Electronics**, Divco-Wayne Corp., 9701 Reading Rd., Cincinnati 15, Ohio. Rep. by: Instronics Ltd., Stittsville, Ont.

**Dixon Corporation**, Burnside St. Bristol, R.I. Represented by: National Fibre Co. of Canada, Ltd., Toronto 3, Ont.

**Don Bosco Electronics Co.**, Plainfield, N.J. Represented by: Charles W. Pointon Ltd., Rexdale, Ont.

**Donner Scientific Co.**, 888 Galindo St., Concord, Calif. Represented by: Instronics Ltd., Stittsville, Ont.

**Dorsett Laboratories, Inc.**, 401 E. Boyd St., Norman, Okla. Represented by: E. E. Whittaker, Ottawa, Ont.

**Douglas Microwave Co., Inc.**, 252 E. 3rd St., Mount Vernon, N.Y. Represented by: John S. Plewes Co., Toronto, Ont.

**Dow-Key Company, Inc.**, South East Highway 59, Thief River Falls, Minn. Rep. by: Robert J. Buckland Co., Chatham, Ont.

**Drake Electric Works Inc.**, 3654 Lincoln Ave., Chicago 13, Ill. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont. James B. Carter Ltd., Winnipeg, Man.

**Drake Manufacturing Co.**, 4626 North Olcott Ave., Chicago 31, Ill. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont. Radio Trade Supply Ltd., Toronto, Ont.

- Dressen-Barnes Corporation**, 250 North Vinado Ave., Pasadena, Calif. Represented by: E. E. Whittaker, Ottawa, Ont.
- Drive-All Manufacturing Co.**, 3400 Conner Ave., Detroit 15, Mich. Represented by: Hope Machinery Co., Toronto 2, Ont.
- Driver-Harris Co.**, 201 Middlesex St., Harrison, N.J. Rep. by: Alloy Metal Sales Ltd., Toronto 2, Ont.
- Robert W. Bartram Ltd.**, Montreal, Que.
- The B. Greening Wire Co. Ltd.**, Hamilton, Ont.
- Wilkinson Co., Ltd.**, Vancouver 15, B.C.
- DuKane Corporation**, St. Charles, Ill. Represented by: General Sound & Theatre Equipment Ltd., Toronto 5, Ont.
- DuMont Laboratories, Inc.**, Allen B., 760 Bloomfield Ave., Clifton, N.J. Represented by: Bayly Engineering Ltd., Ajax, Ont.
- Electronic Research & Development Co. Ltd.**, Calgary, Alta.
- Tele-Radio Systems Ltd.**, Toronto 9, Ont.
- Duotone Co., Inc.**, Locust St., Keyport, N.J. Represented by: Charles W. Pointon Ltd., Rexdale, Ont.
- Durakool, Inc.**, 1010 N. Main St., Elkhart, Ind. Represented by: Measurement Engineering Ltd., Arnprior, Ont.
- Duramark, Inc.**, 2 Secatoag Ave., Port Washington, N.Y. Rep. by: Bain & Dawes Ltd., Montreal 16, Que.
- Durant Manufacturing Co.**, 1900 North Buffum St., Milwaukee 1, Wis. Rep. by: Wainbee Tools, Ltd., Rexdale, Ont.
- Duro Engineering Co.**, 51 Oregon Ave., Hamden 17, Conn. Rep. by: Canadian Liquid Air Co., Montreal, Que.
- Dymec**, A Division of Hewlett-Packard, 395 Page Mill Rd., Palo Alto, Calif. Rep. by: Atlas Instrument Corp. Ltd., Toronto 19, Ont.
- Dynaco Inc.**, 617 41st St., Philadelphia 4, Pa. Rep. by: E. S. Gould Sales Co., Montreal 1, Que.
- Dynamic Gear Co., Inc.**, Dixon Ave., Amityville, L.I., N.Y. Represented by: E. E. Whittaker, Ottawa, Ont.
- Dynamic Instrument Co., Inc.**, 58 New York Ave., Westbury, L.I., N.Y. Represented by: A. C. Wickman Ltd., Toronto 14, Ont.
- Dynapar Corp.**, 5150 Church St., Skokie, Ill. Represented by: Electrodesign, Montreal, Que.
- Dynex, Inc.**, Penauke, Wis. Represented by: Dycon Ltd., Toronto 14, Ont.
- Dzus Fastener Company, Inc.**, Box 185, Babylon, N.Y. Rep. by: Railway & Power Engineering Corp. Ltd., Montreal, Que.
- E**
- ESC Corporation**, 534 Bergen Boulevard, Palisades Park, N.J. Represented by: Electrodesign, Montreal, Que.
- E-Z Hook Test Products**, 1536 Woodburn Ave., Covington, Ky. Represented by: Len Finkler Ltd., Toronto 12, Ont.
- Eagle Electric Mfg. Co. Inc.**, 23-10 Bridge Plaza South, Long Island City 1, N.Y. Rep. by: F. W. Kirk, Winnipeg, Man.
- I. J. Reid, St. John's, Nfld.**
- Trio Sales, Montreal, Que.**
- Eagle Signal Co.**, 202 20th St., Moline, Ill. Represented by: Davis Automatic Controls, Islington, Ont., with offices in Montreal, Winnipeg, and Vancouver.
- Eastern Air Devices**, 385 Central Ave., Dover, N.H. Rep. by: Leland Electric Canada Ltd., Guelph, Ont.
- Eastern Insulated Wire Co.**, Trenton, N.J. Represented by: Verd-A-Ray Electric Products Ltd., Montreal 9, Que.
- Eastern Jewel Corp.**, Rego Park 74, N.Y. Rep. by: J. J. MacQuarrie Sales, Toronto 5, Ont.
- Eastern Precision Resistor Corp.**, 675 Barbey St., Brooklyn 7, N.Y. Represented by: E. G. Lomas, Ottawa, Ont.
- Eastern Specialty Co., The**, 3617 N. 8th St., Philadelphia, Pa. Represented by: R. L. Brews & Son, Calgary, Alta.
- General Communications Ltd.**, Toronto, Ont.
- Ebert Electronics Corp.**, 212-26 Jamaica Ave., Queens Village 28, N.Y. Represented by: Philips Electronics Industries Ltd., Leaside, Ont.
- Eby Co., Hugh H.**, 4701 Germantown Ave., Philadelphia 44, Pa. Rep. by: White Radio Ltd., Hamilton, Ont.
- Eby Sales Co.**, 130 Lafayette St., New York 13, N.Y. Rep. by: William Cohen Ltd., Montreal, Que.
- Eckel Valve Co.**, 1419 East First St., San Fernando, Calif. Rep. by: The Garrett Mfg. Corp. of Canada, Ltd., Rexdale, Ont.
- Edgerton, Germeshausen & Grier Inc.**, 160 Brookline Ave., Boston, Mass. Represented by: Samuel C. Hooker (Canada) Ltd., Montreal 28, Que.
- Edison Co., Thomas A.**, 45 Lakeside Ave. W., Orange, N.J. Represented by: Thomas A. Edison Industries, McGraw-Edison Company (Canada) Ltd., Toronto 1, Ont.
- Edlen Inc.**, Bethesda, Md. Rep. by: William Cohen Ltd., Montreal, Que.
- Edo Corporation**, College Point 56, N.Y. Rep. by: Canadian Marconi Co., Montreal, Que.
- Eicor Inc.**, 4059 West North Ave., Chicago 39, Ill. Represented by: The Hoover Co. Ltd., Hamilton, Ont.
- Eitel-McCullough, Inc.**, 301 Industrial Way, San Carlos, Calif. Represented by: R. D. B. Sheppard, Ottawa 3, Ont.
- Elastic Stop Nut Corp. of America**, 2330 Vauxhall Rd., Union, N.J. Represented by: A. J. Campbell & Co. Ltd., Montreal, Que.
- Gasaccumulator Co. (Canada) Ltd.**, Toronto 16, Ont.
- Railway & Power Engineering Corp. Ltd.**, Montreal, Que.
- Eico Corporation**, "M" St. below Erie Ave., Philadelphia 24, Pa. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.
- Electra Manufacturing Co.**, 4051 Broadway, Kansas City, Mo. Represented by: Samuel C. Hooker (Canada) Ltd., Montreal 28, Que.
- Electralab Printed Electronics Corp.**, 7 North Ave. Natick, Mass. Represented by: J. B. Smyth Electronic Components Ltd., Montreal, Que.
- Electric Auto Lite Corp.**, Port Huron, Mich. Represented by: Anthony Foster & Sons Ltd., Toronto 2, Ont.
- Electric Regulator Corp.**, Pearl St., Norwalk, Conn. Rep. by: R. H. Nichols Ltd., Downsview, Ont.
- Electric Soldering Iron Co.**, 1547 West Elm St., Deep River, Conn. Represented by: Canadian Marconi Co., Electronic Tube & Components Div., Toronto 17, Ont.
- Electric Switch Corp.**, 2320 South Tibbs Ave., Indianapolis 41, Ind. Rep. by: Wholesale Radio & Electronics Ltd., Toronto 19, Ont.
- Electrical Industries**, Div. of Philips Electronics, Inc., 691 Central Ave., Murray Hill, N.J. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.
- Electrix Terminal & Connectors Inc.**, 990 E. 67th St., Cleveland 3, Ohio. Represented by: Douglas Randall (Canada) Ltd., Scarborough, Ont.
- Electro-Air Cleaner Co.**, McKees Rocks, Pa. Rep. by: Kent Engineering Co., Montreal 28, Que.
- Electro-Ceramics**, 120 State St., New Haven 11, Conn. Rep. by: Robert J. Buckland Co., Chatham, Ont.
- Electrocraft, Inc.**, 4432 N. Kedzie Ave., Chicago, Ill. Rep. by: R. C. Kahnert Sales Co., Scarborough, Ont.
- Electro Development Corp.**, 3939 University Way, Seattle, Wash. Represented by: Constellation Components Co., Scarborough, Ont.
- Electrofilm Inc.**, 7116 Laurel Canyon Blvd., North Hollywood, Calif. Represented by: The Garrett Mfg. Corp. of Canada, Ltd., Rexdale, Ont.
- Electro-Flex Heat Inc.**, 83 Woodbine St., Hartford, Conn. Represented by: Electrodesign, Montreal, Que.
- Electro Instruments, Inc.**, 3540 Aero Court, San Diego 11, Calif. Represented by: Electromechanical Products, Agincourt, Ont.
- Electro-Mechanical Instrument Co.**, Eighth & Chestnut Sts., Perkasia, Pa. Represented by: Deaser E-E Ltd., Montreal, Que.
- Electro-Mechanical Research Inc.**, P.O. Box 3041, Sarasota, Fla. Represented by: Electromechanical Products, Agincourt, Ont.
- Electro-Mechanical Specialties Co., Inc.**, 743 W. 39th St., Banning, Calif. Represented by: Airflite Components Co., Toronto 15, Ont.
- Electro Products Laboratories, Inc.**, 4501 North Ravenswood Ave., Chicago 40, Ill. Represented by: Atlas Instrument Corp. Ltd., Toronto 19, Ont.
- Atlas Radio Corp. Ltd.**, Toronto 19, Ont.
- Electrosnap Corp.**, 4218 W. Lake St., Chicago 24, Ill. Rep. by: Brian Engineering Ltd., Montreal, Que.
- Electro-Sonic Laboratories, Inc.**, 35-54 36th St., Long Island City 6, N.Y. Represented by: Smyth Electronic Components Ltd., Montreal 1, Que.
- Electro Switch Corp.**, 167 King Ave., Weymouth 88, Mass. Represented by: George M. Fraser Ltd., Toronto 7, Ont.
- Electro-Technical Products Div.**, Sun Chemical Corp., 113 East Centre St., Nutley 10, N.J. Represented by: Andrew Gilchrist, Ltd., Ville St. Laurent, Que.
- Paisley Products of Canada Ltd.**, Toronto, Ont.
- Electro-Voice Inc.**, Cecil and Carroll Sts., Buchanan, Mich. Represented by: P. J. Heenan Ltd., Toronto 17, Ont.
- Electrol, Inc.**, Kingston, N.Y. Represented by: Railway & Power Engineering Corp. Ltd., Montreal, Que.
- Electron Products Co.** (A Division of Preco Inc.), 430 No. Halstead St., Pasadena, Calif. Represented by: Electromechanical Products, Agincourt, Ont.
- Electronic Associates Inc.**, Long Branch, N.J. Rep. by: Allan Crawford Associates, Willowdale, Ont.
- Electronic Control Corp.**, 1573 East Forest Ave., Detroit 7, Mich. Represented by: Dominion Electrohome Industries Ltd., Technical Products Div., Kitchener, Ont.
- Electronic Importers Inc.**, 2128 Third Ave., Seattle, Wash. Represented by: Ron Merritt Co., Vancouver 1, B.C.
- Electronic Instrument Co., Inc.**, 33-00 Northern Blvd., Long Island City 1, N.Y. Represented by: Ron Merritt Co., Vancouver 1, B.C.
- John R. Tilton Ltd.**, Toronto, Ont.
- Electronic Measurements Corp.**, 625 Broadway, New York 12, N.Y. Represented by: Norris Burgess, Toronto 7, Ont.
- Electronic Research Associates, Inc.**, 67 Factory Place, Cedar Grove, N.J. Represented by: The Hoover Company Ltd., Hamilton, Ont.
- Electronic Specialties Mfg. Corp.**, 76 Irving St., Worcester, Mass. Represented by: Hackbusch Electronics Ltd., Toronto 4, Ont.
- Electronic Tube Corporation**, 1200 East Mermaid Lane, Philadelphia 18, Pa. Rep. by: Adams Engineering Co., Montreal, Que.
- Electromechanical Products**, Agincourt, Ont.
- Electronics Corporation of America**, 1 Memorial Drive, Cambridge 42, Mass. Rep. by: Electronics Corp. of America (Canada) Ltd., Toronto, Ont.
- Electronics International Co.**, 145 W. Magnolia Blvd., Burbank, Calif. Represented by: Allan Crawford Associates, Willowdale, Ont.
- Electrons, Inc.**, 127 Sussex Ave., Newark, N.J. Represented by: Burlec Sales Ltd., Toronto, Ont.
- Ellis Associates**, Box 77, Pelham, N.Y. Represented by: Tatnall Measuring and Nuclear Systems Toronto, 16, Ont.
- Elna Ferrite Lab. Inc.**, Box 226, Saugerties, N.Y. Represented by: Lake Engineering Co., Ltd., Scarborough, Ont.
- Elsin Electronics Corp.**, Eileen Way, Syosset, N.Y. Represented by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.
- Emerson & Cuming Inc.**, 59 Walpole St., Canton, Mass. Represented by: M. J. Howard & Co., Ottawa, Ont.
- Emerson Plastics Corp.**, 1383 Seabury Ave., Bronx 61, N.Y. Represented by: Dow Corning Silicones, Ltd., Downsview, Ont.
- Andrew Gilchrist Ltd.**, Ville St. Laurent, Que.
- Paisley Products of Canada Ltd.**, Toronto 13, Ont.
- Empire Devices Products Corp.**, 37 Prospect St., Amsterdam, N.Y. Represented by: Intronics Ltd., Stittsville, Ont.
- Endevco Corporation**, 161 East California St., Pasadena, Calif. Represented by: MEL Sales Limited, Toronto 12, Ont.
- Enfo Inc.**, Route 73 at Fellowship Rd., Maple Shade, N.J. Rep. by: H. P. Ruggles Co. Ltd., Hamilton, Ont.
- Engineered Electronics Co.**, 506 E. First St., Santa Ana, Calif. Represented by: Electronic Associates Ltd., Willowdale, Ont.
- Engineered Magnetics Div.**, Gulon Industries Inc., 13041 Cerise Ave., Hawthorne, Calif. Represented by: Titania Electric Corp. of Canada Ltd., Ganoquo, Ont.
- Engineering Metal Products Corp.**, Indianapolis, Ind. Rep. by: Airflite Components Co., Toronto 15, Ont.
- Entron Inc.**, 4902 Lawrence St., Bladensburg, Md. Represented by: Electroline Television Equipment Inc., Montreal 26, Que.
- Ron Merritt Co.**, Vancouver 1, B.C.
- Epsco, Inc.**, 275 Massachusetts Ave., Cambridge 39, Mass. Represented by: Computing Devices of Canada Ltd., Ottawa 4, Ont.
- Samuel C. Hooker (Canada) Ltd.**, Montreal 28, Que.
- Epsco-Worcester**, Worcester, Mass. Represented by: A. C. Wickman Ltd., Toronto 14, Ont.
- Eraser Company, Inc.**, 1068 So. Clinton St., Syracuse 4, N.Y. Represented by: Alexander & Orlick, Ltd., Montreal, Que.
- (Province of Quebec)**
- Max Morris**, Toronto 10, Ont. (Province of Ontario).

**Eric Engineering**, 1823 Colorado Ave., Santa Monica, Calif.  
Represented by:  
Desser E-E Ltd., Montreal, Que.

**Erle Pacific**, Division of Erle Resistor Corp., 12932 South Weber Way, Hawthorne, Calif.  
Represented by:  
Measurement Engineering Ltd., Arnprior, Ont.

**Erle Resistor Corp.**, 644 West 12th St., Erie, Pa. Represented by:  
Erle Resistor of Canada Ltd., Trenton, Ont.

**Erwood Inc.**, 1770 W. Berneau Ave., Chicago 13, Ill. Represented by:  
E. A. Mabee Ltd., Toronto 7, Ont.

**Essex Wire Corporation**, 1601 Wall St., Fort Wayne, Ind. Rep. by:  
Essex Wire Corp., Windsor, Ont.

**Esterline-Angus Co. Inc.**, The P.O. Box 596, Indianapolis 6, Ind.  
Represented by:  
George M. Fraser Ltd., Toronto 7, Ont.  
W. Hobson & Associates, Lachine, Que.  
R. J. Showalter, Calgary, Alta.

**Ewald Instruments**, Route 7, Kent, Conn. Represented by:  
Thermovolt Instruments Ltd., Toronto, Ont.

**Exact Engineering & Mfg., Inc.**, 2375 Canyon Drive, Oceanside, Calif. Represented by:  
E. E. Whittaker, Ottawa, Ont.

**Excel Electric Service Co.**, 2113 S. Western Ave., Chicago 8, Ill. Represented by:  
General Communications Ltd., Toronto 16, Ont.

**Excellex Electronics, Inc.**, Woodside, N.Y. Represented by:  
A. Deskin Sales Co., St. Martin, Montreal 40, Que.

## F

**FXR Inc.**, 26-12 Borough Place, Woodside 77, N.Y. Rep. by:  
Radionics Ltd., Montreal 9, Que.

**Fairchild Controls Corporation**, Components Division, 225 Park Ave., Hicksville, N.Y. Rep. by:  
R. D. B. Sheppard, Ottawa 3, Ont.

**Fairchild Recording Equipment Corp.**, 10-40 45th Ave., Long Island City 1, N.Y. Represented by:  
H. Roy Gray Ltd., Toronto 13, Ont.

**Fairchild Semiconductor Corp.**, 844 Charleston Rd., Palo Alto, Calif. Represented by:  
R. D. B. Sheppard, Ottawa 3, Ont.

**Falcon Machine & Tool Inc.**, Cambridge, Mass. Represented by:  
Canavia Engineering & Sales Co., Malton, Ont.  
Found Bros. Aviation Ltd., Malton, Ont.

**Fanon Electric Co.**, 90 Berriman St., Brooklyn 8, N.Y. Rep. by:  
Active Radio & TV Ltd., Toronto, Ont.  
Radio Trade Supply Ltd., Toronto, Ont.

**Fanstel Metallurgical Corp.**, Rectifier-Capacitor Division, 2200 Sheridan Rd., North Chicago, Ill. Represented by:  
J. R. G. McVity & Co., Toronto 12, Ont.

**Farmer Electric Products Co. Inc.**, 2300 Washington St., Newton Lower Falls, Mass. Rep. by:  
John Best Co., Islington, Ont.  
Electrodesign, Montreal, Que.  
**Farval Corp.**, The, 3249 East 80th St., Cleveland, Ohio. Rep. by:  
Peacock Brothers Ltd., Montreal 3, Que.

**Fasco Industries, Inc.**, 255 North Union St., Rochester 5, N.Y.  
Represented by:  
H. Demers Electric Equipment Ltd., Montreal, Que.  
Kelly & Landers Electric Ltd., Winnipeg, Man.  
Leonard Electric Ltd., Toronto, Ont.

**Fasteners Inc.**, 198 Columbus Ave., Pittsfield, Mass. Represented by:  
Linread Canada Ltd., Guelph, Ont.

**Federal Electronic Sales**, Federal Electronics Building, Rockville Centre, N.Y. Rep. by:  
Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Federal Telephone & Radio Corp.**, 100 Kingsland Rd., Clifton, N.J.  
Represented by:  
Standard Telephones & Cables Mfg. Co. (Canada) Ltd., Montreal, Que.

**Federal Tool Engineering**, Cedar Grove, N.J. Represented by:  
Taylor-Leslie & Engineering Corp. Ltd., Toronto, Ont.

**Feedall Inc.**, Willoughby, Ohio.  
Represented by:  
John Best Co., Islington, Ont.

**Feedback Controls, Inc.**, 8 Erie Drive, Natick, Mass. Rep. by:  
Electrodesign, Montreal, Que.

**Felters Co., The**, 210 South St., Boston 11, Mass. Represented by:  
Moore Bros. Machinery Co. Ltd., Montreal, Que.  
A. R. Williams Machinery Co. Ltd., Toronto, Ont.

**Fenwal Electronics Inc.**, 51 Mellen St., Framingham, Mass. Rep. by:  
Rousseau Controls Ltd., Montreal, Que.

**Fenwal Incorporated**, Pleasant St., Ashland, Mass. Represented by:  
Rousseau Controls Ltd., Montreal, Que.

**Ferranti Electric Inc.**, 30 Rockefeller Plaza, New York City 20, N.Y. Represented by:  
Ferranti Packard Electric Ltd., Toronto 15, Ont.

**Ferrodynamics Corp.**, Gregg St. & Route 17, Lodi, N.J. Rep. by:  
E. S. Gould Sales Co., Montreal, Que.

**Ferrotran Electronics Co. Inc.**, 693 Broadway, New York 12, N.Y.  
Represented by:  
William M. Hummel, Port Credit, Ont.

**Ferroxcube Corporation of America**, E. Bridge St., Saugerties, N.Y. Represented by:  
Rogers Electronic Tubes & Components, Toronto 17, Ont.

**Fidelltone, Inc.**, 6415 Ravenswood Ave., Chicago, Ill. Rep. by:  
RCA Victor Ltd., Montreal, Que.

**Film Capacitors Inc.**, 3400-06 Park Ave., New York 56, N.Y. Rep. by:  
Electromechanical Products, Agincourt, Ont.

**Filters Inc.**, 30 Sagamore Hill Dr., Port Washington, L.I., N.Y.  
Represented by:  
Marshall Engineering Ltd., Kitchener, Ont.

**Filtron Company, Inc.**, 131-15 Fowler Ave., Flushing 55, N.Y. Represented by:  
Aircraft Appliance & Equipment Ltd., Weston, Ont.

**Finney Co., The**, 34 W. Interstate St., Bedford, Ohio. Rep. by:  
Tenatronics Ltd., Newmarket, Ont.

**Fischer & Porter Company**, 530 Warminster Rd., Hatboro, Pa.  
Represented by:  
Fischer & Porter (Canada) Ltd., Downsview, Ont.

**Fisher Berkeley Corp.**, 4224 Holden St., Emeryville, Calif. Rep. by:  
R. C. Kahnert Sales Ltd., Scarborough, Ont.

**Fisher-Pierce Co.**, The, 170 Pearl St., South Braintree 85, Mass.  
Represented by:  
Amalgamated Engineering Services Ltd., Vancouver 4, B.C.  
Flier-Smith Machinery Co., Winnipeg, Man.

**Fisher Research Laboratory, Inc.**, 1961-1965 University Ave., Palo Alto, Calif. Represented by:  
Canadian Research Institute, Toronto 5, Ont.

**Flexaust Company, The**, 100 Park Ave., New York 17, N.Y. Rep. by:  
Hope Machinery Co., Toronto 2, Ont.

**Flight Research Inc.**, Richmond, Va. Represented by:  
Computing Devices of Canada Ltd., Ottawa, Ont.

**Fluke Mfg. Co. Inc.**, John, 1111 West Nickerson St., Seattle 99, Wash. Represented by:  
Allan Crawford Associates, Willowdale, Ont.  
Rush S. Drake Associates, Seattle 44, Wash. (British Columbia).

**Foregger Co., Inc.**, 55 W. 42nd St., New York 36, N.Y. Rep. by:  
Canadian Liquid Air Co., Montreal, Que.

**Francis Brothers Corp.**, 445 South "C" St., Tustin, Calif.  
Represented by:  
Tele-Radio Systems Ltd., Toronto 9, Ont.

**Franklin Electronics Inc.**, E. 4th St., Bridgeport, Pa. Rep. by:  
Electrodesign, Montreal, Que.

**Freed Transformer Co. Inc.**, 1718 Weirfield St., Brooklyn 27, N.Y. Represented by:  
Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

**Frequency Standards**, 30 Linden Place, Red Bank, N.J. Rep. by:  
MEL Sales Ltd., Toronto 12, Ont.

**Friden Calculating Machine Co. Inc.**, San Leandro, Calif. Rep. by:  
Computing Devices of Canada Ltd., Ottawa, Ont.

**Frost & Co. Inc.**, L. H., 904 36th St., S.E., Grand Rapids, Mich.  
Represented by:  
L. H. Frost (Canada) Ltd., Oakville, Ont.

**Furnas Electric Co.**, 1000 McKee St., Batavia, Ill. Represented by:  
Davis Automatic Controls Ltd., Toronto 18, Ont.

**Fusite Corp.**, 6000 Fernview Ave., Cincinnati 13, Ohio. Rep. by:  
The Glendon Company Ltd., Toronto 1, Ont.

## G

**G-C Electronics Mfg. Co.**, Division of G-C Textron Inc., 400 South Wyman St., Rockford, Ill.  
Represented by:  
D. Eldon McLennan, Vancouver 9, B.C.

**G-V Controls Inc.**, 99 Okner Parkway, Livingston, N.J. Rep. by:  
Leonard Electric Ltd., Toronto, Ont.

**G-V Controls Inc.**, 28 Hollywood Plaza, East Orange, N.J. Rep. by:  
ARVA Inc., Vancouver 1, B.C.

**Gabriel Company, The**, Gabriel Electronics Division, Needham Heights 94, Mass. Rep. by:  
Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Gamewell Co.**, 1238 Chestnut St., Newton Upper Falls 64, Mass.  
Represented by:  
Douglas Randall (Canada) Ltd., Scarborough, Ont.

**Garde Manufacturing Co.**, 53 John St., Cumberland, R.I.  
Represented by:  
Consolidated Electronic Equipment Co., Willowdale, Ont.

**Gardner-Denver Co.**, Front St., Quincy, Ill. Represented by:  
Gardner-Denver Co. (Canada) Ltd., Toronto 16, Ont.

**Garlock Packing Co., The**, 602 North 10th St., Camden 1, N.J. Represented by:  
The Garlock Packing Co. of Canada, Ltd., Toronto 2, Ont.  
Lake Engineering Co. Ltd., Scarborough, Ont.

**Gates Radio Co.**, 123 Hampshire St., Quincy, Ill. Represented by:  
Canadian Marconi Company, Montreal, Que.

**General Cement Mfg. Co.**, Division of Textron Inc., 400 South Wyman St., Rockford, Ill. Represented by:  
The Crawford Radio, Hamilton, Ont.  
D. Eldon McLennan, Ltd., Vancouver 9, B.C.  
Charles W. Pointon Ltd., Rexdale, Ont.

**General Communication Co.**, 677 Beacon St., Boston 15, Mass.  
Represented by:  
Electromechanical Products, Agincourt, Ont.

**General Control Company**, 1200 Soldiers Field Rd., Boston 34, Mass. Represented by:  
Airflite Components, Inc., Toronto 15, Ont.

**General Electric Company**, Coshocton, Ohio. Represented by:  
Canadian General Electric Co., Toronto 4, Ont.

**General Electrodynamics Corp.**, 4430 Forest Lane, Garland, Texas.  
Represented by:  
Thompson Products, Ltd., St. Catharines, Ont.

**General Industries Co.**, Olive & Taylor Sts., Elyria, Ohio. Rep. by:  
Charles W. Pointon Ltd., Rexdale, Ont.

**General Instrument Corp.**, Automatic Manufacturing Div., 65 Gouverneur St., Newark, N.J.  
Represented by:  
General Instrument — F. W. Suckles of Canada Ltd., Waterloo, Ont.  
Tequipment Mfg. Co., London, Ont.

**General Precision Laboratory Inc.**, 63 Bedford Rd., Pleasantville, N.Y.  
Represented by:  
Northern Electric Company Ltd., Montreal, Que.

**General Radio Company**, 22 Baker Ave., West Concord, Mass.  
Represented by:  
General Radio Company, Toronto 15, Ont.

**General Resistance Inc.**, 577 East 156th St., New York 55, N.Y. Represented by:  
Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

**General Transistor Corp.**, 91-27 138th Place, Jamaica, N.Y.  
Represented by:  
Desser E-E Ltd., Montreal, Que.

**General Transistor Western Corp.**, 2660 La Cienega Blvd., Los Angeles, Calif. Rep. by:  
Desser E-E Ltd., Montreal 1, Que.

**Gernsbach Publishing Inc.**, 154 West 14th St., New York 11, N.Y. Represented by:  
Len Finkler Limited, Toronto 12, Ont.

**Gerisch Products, Inc.**, 3211 South La Cienega Blvd., Los Angeles 16, Calif. Rep. by:  
Atlas Instrument Corp. Ltd., Toronto 19, Ont.

**Giant-View Closed Circuit Television Network**, 901 Livernost Ferndale 20, Mich. Rep. by:  
Electroline Television Equipment Inc., Montreal 26, Que.

**Gillies Co. Inc.**, Duncan M., 66 Central St., West Boylston, Mass. Represented by:  
Industrial Trading Co. (Canada) Toronto, Ont.

**Gilmore Industries, Inc.**, 13015 Woodland Ave., Cleveland 20, Ohio. Rep. by:  
Tatnall Measuring & Nuclear Systems, Ltd., Toronto, Ont.

**Glaser-Steers Corporation**, 155 Oraton St., Newark 4, N.J.  
Represented by:  
Alex L. Clark, Ltd., Toronto 18, Ont.

**Glaser-Steers of Canada, Ltd.**, Trenton, Ont.

**Glastic Corp.**, The, 4321 Glenridge Rd., Cleveland 21, Ohio. Rep. by:  
H. P. Ruggles Co. Ltd., Hamilton, Ont.

**Gleason-Avery Inc.**, 45 Aurelius Ave., Auburn, N.Y. Rep. by:  
Davis Automatic Controls, Toronto 18, Ont.

**Glenco Corporation**, Metuchen, N.J. Represented by:  
Titania Electric Corp. of Canada Ltd., Gananogue, Ont.

**Globe Electronics Inc.**, 3417 W. Broadway, Council Bluffs Iowa. Represented by:  
E. S. Gould Sales Co., Montreal, Que.

**Globe Industries Inc.**, 1784 Stanley Ave., Dayton 4, Ohio  
Represented by:  
Leonard Electric Ltd., Toronto 18, Ont.

**Goldberg Bros.**, Denver, Col.  
Represented by:  
Alex L. Clark Ltd., Islington, Ont.

**Good-All Electric Mfg. Co.**, 112 W. First St., Ogallala, Neb.  
Represented by:  
A. T. R. Armstrong Ltd., Toronto 9, Ont.

**Goodrich, B. F.**, 64 Derby Place, Shelton, Conn. Represented by:  
E. G. Lomas, Ottawa, Ont.

**Gore & Associates Inc., W. L.**, Newark, Del. Represented by:  
Airflite Components Co., Toronto 15, Ont.

**Gorn Electronics Division & Aircraft Controls Co. Division**, Gorn Electric Co., Inc., 845 Main St., Stamford, Conn. Rep. by:  
Winnett Boyd Ltd., Toronto 7, Ont.

**Grafo Colloids Corp.**, 310 Wilkes Place, Sharon, Pa.  
Represented by:  
Stephen S. Barber, Montreal, Que.

Diversified Research & Sales Ltd., Rexdale, Ont.  
L. S. Hancock, Vancouver, B.C.  
**Granco Products Inc.**, 36-07 20th Ave., Long Island City, N.Y.  
Represented by:  
Clairtone Sound Corporation Ltd., Weston, Ont.

**Grand Transformers Inc.**, 17360 Hayes Ave., Grand Haven, Mich. Represented by:  
Willard Spenser Co., Windsor, Ont.

**Grant Pulley & Hardware Corp.**, High St., West Nyack, N.Y.  
Represented by:  
Kenneth M. Thomas Co., Toronto 5, Ont.

**Grayhill, Inc.**, P.O. Box 373, 561 Hillgrove Ave., LaGrange, Ill. Represented by:  
Lake Engineering Co. Ltd., Scarborough, Ont.

**Great Lakes Manufacturing Corp.**, 4223 Monticello Blvd., Cleveland 21, Ohio. Rep. by:  
Delta Aircraft Equipment Ltd., Toronto 12, Ont.

**Gregg Electric Co.**, 2 South Broadway, Lawrence, Mass. Represented by:  
Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Greibach Instruments Corp.**, 315 North Ave., New Rochelle, N.Y. Represented by:  
John R. Tilton, Ltd., Toronto 9, Ont.

**Gremer Mfg. Co.**, 7 North Ave., Wakefield, Mass. Represented by:  
Desser E-E Ltd., Montreal, Que.

**Gresen Mfg. Co.**, 405-35th Ave. N.E., Minneapolis 18, Minn. Represented by:  
Dycon Ltd., Toronto 14, Ont.

**Griev-Hendry Co. Inc.**, 1401 W. Carroll Ave., Chicago 7, Ill. Represented by:  
Tecneek Associates, Montreal 25, Que.

**Grigsby Co. Inc.**, 407 N. Salem Ave., Arlington Heights, Ill. Represented by:  
Lake Engineering Co. Ltd., Scarborough, Ont.

**Groov-Plin Corp.**, 1125 Hendricks Causeway, Ridgefield, N.J. Represented by:  
Metal & Wood Fastening Devices Co., Montreal 35, Que.

**Guardian Electric Mfg. Co.**, 1621 West Walnut St., Chicago 12, Ill. Represented by:  
A. C. Simmonds & Sons, Toronto, Ont.

**Gudebrod Bros. Silk Co. Inc.**, 225 West 34th St., New York 1, N.Y. Represented by:  
E. E. Whittaker, Ottawa, Ont.

**Gudeman Co.**, The, 340 W. Huron St., Chicago, Ill. Represented by:  
Samuel C. Hooker (Canada) Ltd., Montreal 28, Que.

**Gulton Industries Inc.**, 212 Durham Ave., Metuchen, N.J. Represented by:  
Titania Electric Corp. of Canada Ltd., Gananoque, Ont.

## H

**H-B Instrument Co. Ltd.**, American & Bristol Sts., Philadelphia 40, Pa. Rep. by:  
John Herring & Co. Ltd., Toronto, Ont.

**H & M Pipe Cutting & Beveling Machines**, 311 East 3rd St., Tulsa 20, Okla. Represented by:  
Canadian Liquid Air Co., Montreal, Que.

**Hagen Manufacturing Co.**, Baraboo, Wis. Represented by:  
Davis Automatic Controls Ltd., Toronto 18, Ont.

**Hager & Son, F. F.**, 98-02 217th Lane, Queens Village 9, L.I., N.Y. Represented by:  
Cosa Corp. of Canada Ltd., Toronto 14, Ont.

**Hallamore Electronics Co.**, 8352 Brookhurst Ave., Anaheim, Calif. Represented by:  
General Sound & Theatre Equipments Ltd., Toronto 5, Ont.  
Tele-Radio Systems Ltd., Toronto 9, Ont.

**Hallett Manufacturing Co.**, Inglewood, Calif. Represented by:  
Hart Electronics Ltd., Winnipeg, Man.

**Hallcrafters Co., The**, 4401 W. Fifth Ave., Chicago 21, Ill. Represented by:  
The Crawford Radio, Hamilton, Ont.  
E. S. Gould Sales Co., Montreal 1, Que.

**Hamilton Hall Resistor Corp.**, 227 N. Water St., Milwaukee, Wis. Represented by:  
Active Radio & TV Ltd., Toronto, Ont.  
The Glendon Company Ltd., Toronto 1, Ont.

**Hamilton Watch Co.**, Columbia Ave., Lancaster, Pa. Rep. by:  
Alexander & Orlick, Ltd., Montreal, Que.  
Hamilton Watch Co. of Canada, Ltd., Toronto 5, Ont.

**Hamlyn Electronics Corp.**, P.O. Box 385, New York 17, N.Y. Represented by:  
Aviation Electric Ltd., Montreal 9, Que.  
Aviation Electric Pacific Ltd., Vancouver, B.C.

**Hammarlund Manufacturing Co. Inc.**, 460 W. 34th St., New York 1, N.Y. Represented by:  
Ahearn & Soper Company Ltd., Ottawa, Ont.  
White Radio Ltd., Hamilton, Ont.

**Hammond Valve Corp.**, Hammond, Ind. Represented by:  
Consolidated Diesel Electric Corp. of Canada Ltd., Rexdale, Ont.

**Hamner Electronics Co., Inc.**, P.O. Box 531, Princeton, N.J. Represented by:  
RC Testing & Control Systems, Toronto 10, Ont.

**Hansson, Inc.**, Eloff, 711 Third Ave., New York 17, N.Y. Rep. by:  
Barvic Engineering Ltd., Vancouver 1, B.C.

**Hardwick Hindle Inc.**, 40 Hermon St., Newark 5, N.J. Rep. by:  
John Herring Co. Ltd., Toronto, Ont.

**Harmon-Kardon Inc.**, 520 Main St., Westbury, L.I., N.Y. Rep. by:  
Alex L. Clark Ltd., Islington, Ont.

**Harper Co., The H. M.**, 8200 Lehigh Ave., Morton Grove, Ill. Represented by:  
Harper Everlasting Fastenings Ltd., Toronto 18, Ont.

**Harris Transducer Corp., The**, Subsidiary of General Instrument Corp., Middle Quarter, Woodbury, Conn. Represented by:  
T. S. Farley, Ltd., Waterloo, Ont.

**Hart Manufacturing Co., The**, 246 Bartholomew Ave., Hartford, Conn. Represented by:  
Hart Manufacturing Ltd., Aurora, Ont.

**Hartley Products Co.**, 521 East 162nd St., New York 51, N.Y. Represented by:  
Wm. K. Anderson, Hamilton, Ont.

**Bay-Bloor Radio, Toronto, Ont.**  
Conway Electronic Enterprises Reg'd, Toronto, Ont.  
Electro Sonic Supply Co. Ltd., Toronto, Ont.

**Gamma Photo Shops**, Pointe Claire, Que.  
**Halverson's Televue Ltd.**, Calgary, Alta.  
**High Fidelity Assoc.**, Ottawa, Ont.  
**Payette Radio, Ltd.**, Montreal, Que.

**Radio Essentials**, Long Branch, Ont.  
**Maurice St. Cyr**, Quebec City, Que.  
**Subscription Service**, Montreal, Que.

**Sound Supply Ltd.**, Vancouver 1, B.C.  
**Tower Productions**, Ottawa 4, Ont.  
**Wackid Radio, TV Lab. Ltd.**, Ottawa, Ont.

**Hartman Electrical Mfg. Co., The**, 175 N. Diamond St., Mansfield, Ohio. Represented by:  
Aircraft Appliances & Equipment Ltd., Weston, Ont.

**Hastings-Raydist, Inc.**, Newcomb Ave., Hampton, Va. Rep. by:  
Keith Mercer Co. Ltd., Montreal 28, Que.

**Hathaway Instrument Co.**, 1315 S. Clarkson, Denver 9, Col. Represented by:  
Canadian Research Institute, Toronto 5, Ont.

**Haydon Co., The A. W.**, 232 North Elm St., Waterbury, Conn. Represented by:  
Philips Electronics Industries Ltd., Toronto 17, Ont.

**Haydon Switch, Inc.**, 536 South Leonard St., Waterbury 20, Conn. Represented by:  
Philips Electronics Industries Ltd., Toronto 17, Ont.

**Hayes, Inc.**, C. I., 800 Wellington Ave., Cranston 10, R.I. Rep. by:  
F. F. Barber Machinery, Toronto, Ont.

**Heath Company**, Benton Harbor, Mich. Represented by:  
Daystrom Limited, Toronto, Ont.

**Heiland Division**, Minneapolis-Honeywell, 5200 E. Evans Ave., Denver 22, Col. Represented by:  
Honeywell Controls, Ltd., Leaside, Ont.

**Heim Co., The**, Fairfield, Conn. Represented by:  
R & M Bearings Canada Ltd., Montreal, Que.

**Heinemann Electric Co.**, 166 Plum St., Trenton 2, N.J. Rep. by:  
F. D. Bolton Ltd., Vancouver 4, B.C.  
D. T. Shaw Company, Montreal 16, Que.

**Heli-Coll Corp.**, Shelter Rock Lane, Danbury, Conn. Rep. by:  
W. R. Watkins Co. Ltd., Toronto 18, Ont.

**Heppner Manufacturing Co.**, Round Lake, Ill. Represented by:  
P. J. Heenan Ltd., Toronto 17, Ont.

**Hermes Electronics Co.**, (formerly Hycon-Eastern Inc.), 75 Cambridge Parkway, Cambridge, Mass. Represented by:  
Computing Devices of Canada, Ottawa 4, Ont.

**Hermic Seal Corp.**, 29-37 South Sixth St., Newark, N.J. Represented by:  
Quality Hermetics Ltd., Toronto 16, Ont.

**Hetherington Inc.**, 1420 Delmar Drive, Folcroft, Pa. Rep. by:  
Leonard Electric Ltd., Toronto 18, Ont.

**Hevi-Duty Electric Co.**, 2040 W. Wisconsin Ave. Milwaukee, Wis. Represented by:  
Sola Electric (Canada) Ltd., Toronto, Ont.

**Hewlett-Packard Co.**, 275 Page Mill Rd., Palo Alto, Calif. Represented by:  
Atlas Instrument Corp. Ltd., Toronto 19, Ont.

**Hexacon Electric Co.**, 161 West Clay Ave., Roselle Park, N.J. Represented by:  
Adlam Tool and Supply Co., Ltd., Quebec, P.Q. (All of Canada except British Columbia).  
Albert S. Knight Co., Seattle 1, Wash. (British Columbia).

**Heyman Mfg. Co.**, 300 N. Michigan Ave., Kenilworth, N.J. Rep. by:  
Cords (Canada) Ltd., Toronto 3, Ont.

**Hickok Electrical Instrument Co.**, 10514 DuPont Ave., Cleveland, Ohio. Represented by:  
Stark Electronic Sales Co., Ajax, Ont.

**Hillburn Electronic Products Co.**, 55 Nassau Ave., Brooklyn 22, N.Y. Represented by:  
A. Deskin Sales, St. Martin, Montreal 40, Que.

**Hi-Q Division, Aerovox Corp.**, Myrtle Beach, S.C. and Olean, N.Y. Represented by:  
Aerovox Canada Ltd., Hamilton, Ont.

**Hoffman Semiconductor Division**, Hoffman Electronics Corp., 930 Pitner Ave., Evanston, Ill. Represented by:  
Samuel C. Hooker (Canada) Ltd., Montreal 28, Que.

**Holden Co., The A. F.**, 14341 Schaefer Highway, Detroit 27, Mich. Represented by:  
Peacock Brothers Ltd., Montreal 3, Que.

**Holub Industries, Inc.**, 413 DeKalb Ave., Sycamore, Ill. Rep. by:  
A. C. Simmonds & Sons Ltd., Toronto 7, Ont.

**Verd-A-Ray Electric Products, Ltd.**, Montreal, Que.  
**Hoover Electronics Co.**, 110 W. Timonium Rd., Timonium Md. Represented by:  
The Hoover Co. Ltd., Hamilton, Ont.

**Hopkins Engineering Co.**, 12900 Foothill Blvd., San Fernando Calif. Represented by:  
E. E. Whittaker, Ottawa, Ont.

**Hoskins Manufacturing Co.**, 4445 Lawton Ave., Detroit 8, Mich. Represented by:  
Hoskins Alloys of Canada Ltd., Rexdale, Ont.

**Houghton Laboratories, Inc.**, 322 Houghton Ave., Olean, N.Y. Represented by:  
Hysol (Canada) Ltd., Toronto 17, Ont.

**Houston-Fearless Corp.**, 11801 W. Olympic Blvd., Los Angeles 64, Calif. Represented by:  
Alex L. Clark Ltd., Islington, Ont.

**Houston Instrument Corp.**, Houston, Texas. Represented by:  
A. C. Wickman Ltd., Toronto 14, Ont.

**Howard Industries Inc.**, 1760 State St., Racine, Wis. Represented by:  
Alliance Motors, Toronto 10, Ont.

**Hoyt Electrical Instrument Works**, 42 Carleton St., Cambridge 42, Mass. Represented by:  
W. H. Cooper & Co. Ltd., Toronto, Ont.

**Huber Industries, Inc.**, 4960 Hillside Ave., Cincinnati 33, Ohio. Represented by:  
Computing Devices of Canada Ltd., Ottawa, Ont.

**Huck Manufacturing Co.**, 2480 Bellevue Ave., Detroit 7, Mich. Represented by:  
H. G. Gillespie, Aviation Developments, Box 1260, Station "O", Montreal 9, Que.

**Hale Perran**, P.O. Box 4128, Station "D", Vancouver, B.C.  
**K. Thomson, Aviation Developments, Ltd.**, 1151 Kipling Ave., North Rexdale P.O., Toronto, Ont.

**C. Windrim**, 40 Franklin St., Brantford, Ont.

**Hudson Lamp Co.**, 528 Elm St., Kearny, N.J. Represented by:  
Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Huggins Laboratories, Inc.**, 999 East Argues Ave., Sunnyvale Calif. Represented by:  
Radionics Ltd., Montreal, Que.

**Hughes Aircraft Co.**, Culver City Calif. Represented by:  
R-O-R Associates Ltd., Don Mills, Ont.

**Hughes Products, International**, Airport Station, Los Angeles 45, Calif. Represented by:  
R-O-R Associates Ltd., Don Mills, Ont.

**Hughes Products/Semiconductor Division**, Hughes Aircraft Co., 500 Superior Ave., Newport Beach Calif. Represented by:  
R-O-R Associates Ltd., Don Mills, Ont.

**Hughey & Phillips, Inc.**, 3200 N. San Fernando Blvd., Burbank, Calif. Represented by:  
Beechey Enterprises, Weston, Ont.

**Hull Corporation**, Davisville Rd., Hathboro, Pa. Represented by:  
Williams and Wilson, Ltd., Montreal and Toronto.

**Humphrey, Inc.**, 2805 Canon St., San Diego 6, Calif. Rep. by:  
Railway & Power Engineering Corp. Ltd., Montreal, Que.

**Hunt Co., Phillip A.**, Palisades Park, N.J. Represented by:  
Phillip A. Hunt Co. (Canada) Ltd., Toronto, Ont.

**Hunter Tools, Inc.**, 9851 Alburtis Ave., Sante Fe Springs, Calif. Represented by:  
Len Finkler Ltd., Toronto 12, Ont.

**Hurst Tool & Mfg. Co.**, Princeton Ind. Represented by:  
R. C. Kahnert Sales Ltd., Scarborough, Ont.

**Chas. L. Thompson Ltd.**, North Vancouver, B.C.  
**Hyatt Bearing, Division of General Motors Corp.**, Harrison, N.J. Represented by:  
R & M Bearings Canada Ltd., Montreal, Que.

**Hydraulic Research & Mfg. Co.**, 2835 North Naomi St., Burbank, Calif. Represented by: Aircraft Appliances & Equipment Ltd., Weston, Ont.  
**Hy-Gain Antenna Corp.**, 1135 22nd St., Lincoln, Neb. Represented by: E. S. Gould Sales Co., Montreal 1, Que.  
**Hymac Corp.**, 4625 Leahy St., Culver City, Calif. Rep. by: E. E. Whittaker, Ottawa, Ont.

I

**IE Manufacturing**, 325 No. Hoyne Ave., Chicago 12, Ill. Rep. by: Atlas Radio Corp., Toronto 19, Ont.  
**I. H. Mfg. Co. Inc.**, 109 Prince St., New York 12, N.Y. Rep. by: Active Radio & TV Ltd., Toronto, Ont.  
**IMC Magnetics Corp.**, 570 Main St., Westbury, N.Y. Rep. by: M. J. Howard & Co. Ltd., Ottawa, Ont.  
**I.T.T. Development Laboratories**, 500 Washington Ave., Nutley, N.J. Represented by: Standard Telephones & Cables Mfg. Co. (Canada) Ltd., Montreal, Que.  
**I.T.T. Industrial Products Div.**, 250 Garibaldi Ave., Lodi, N.J. Represented by: Standard Telephones & Cables Mfg. Co. (Canada) Ltd., Montreal, Que.

**Ideal-Aerosmith, Inc.**, Hawthorne, Calif. Represented by: Aviation Electric Ltd., Montreal 9, Que.  
**Ideal Industries, Inc.**, 5127 Park Ave., Sycamore, Ill. Rep. by: Irving Smith Ltd., Montreal, Que.

**Illinois Condenser Co.**, 1616 N. Throop St., Chicago 22, Ill. Represented by: Active Radio & TV Ltd., Toronto, Ont.

**Illuminotron Engineering Ltd.**, 680 E. Taylor Ave., Sunnyvale, Calif. Represented by: Len Finkler Ltd., Toronto 12, Ont.

**Impact-O-Graph Corp.**, The, 1900 Euclid Ave., Cleveland 15, Ohio. Represented by: Smith Packaging Ltd., Toronto 18, Ont.

**Industrial Control Co.**, 805 Albin Ave., Lindenhurst, L.I., N.Y. Represented by: Tecneek Associates, Montreal 25, Que.

**Industrial Development Engineering Associates, Inc.**, 7900 Pendleton Pike, Indianapolis 26, Ind. Rep. by: A. T. R. Armstrong Ltd., Toronto 9, Ont.

**Industrial Devices Inc.**, 982 River Rd., Edgewater, N.J. Rep. by: Willard Spenser Co., Windsor, Ont.

**Industrial Electronic Engineers, Inc.**, 3973 Lankershim Blvd., North Hollywood, Calif. Represented by: Westronic Engineering Sales, Ltd., Vancouver, B.C.

**Industrial Electronic Hardware Mfg. Co.**, 109 Prince St., New York 12, N.Y. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Industrial Engineering Corp.**, Louisville, Ky. Represented by: Dycon Ltd., Toronto 14, Ont.  
**Industrial Instrument Corp.**, Austin, Texas. Represented by: The Bristol Co. of Canada Ltd., Toronto 2, Ont.

**Industrial Instruments, Inc.**, 89 Commerce Rd., Cedar Grove, N.J. Represented by: Lisle Instrument Systems, Toronto 12, Ont.

**Industrial Radio Corp.**, 428 N. Parkside Ave., Chicago 44, Ill. Represented by: Hart Electronics Ltd., Winnipeg, Man.  
Tele-Radio Systems Ltd., Toronto 9, Ont.

**Industrial Retaining Ring Co.**, 57 Cordier St., Irvington 11, N.J. Represented by: Phillip French Sales Ltd., Montreal 16, Que.

**Industrial Tectronics, Inc.**, 3686 Jackson Rd., Ann Arbor, Mich. Represented by: John Herring & Co. Ltd., Toronto, Ont.

**Industrial Test Equipment Co.**, 55 East 11th St., New York 3, N.Y. Represented by: Electrodesign, Montreal, Que.

**Industrial Timer Corp.**, 1407 McCarter Highway, Newark 4, N.J. Represented by: A. C. Simmonds & Sons Ltd., Toronto 7, Ont.

**Industron Corp.**, 55 Needham St., Newton Highlands 61, Mass. Represented by: Campbell Machinery Co. Ltd., Kitchener, Ont.

**Inertia Switch Inc.**, 311 West 43rd St., New York 36, N.Y. Rep. by: Leonard Electric Ltd., Toronto 18, Ont.

**Inet Division, Leach Corp.**, 18435 Susana Rd., Compton, Calif. Represented by: Brian Engineering Ltd., Montreal, Que.

**Instron Engineering Corp.**, 2500 Washington St., Canton, Mass. Represented by: Elder Electronics, Burlington, Ont.

**Instrument Development Laboratory**, 67 Mechanic St., Attleboro, Mass. Represented by: MEL Sales Ltd., Toronto 12, Ont.

**Instrument Laboratories**, 315 West Walton Place, Chicago 10, Ill. Represented by: General Communications Ltd., Toronto, Ont.

**Instruments for Industry, Inc.**, 101 New South Rd., Hicksville, N.Y. Represented by: Electrodesign, Montreal, Que.

**International Electronic Research Corp.**, 145 W. Magnolia Blvd., Burbank, Calif. Represented by: R-O-R Associates Ltd., Don Mills, Ont.

**International Instruments Inc.**, P.O. Box 2954, New Haven, Conn. Represented by: E. E. Whittaker, Ottawa, Ont.

**International Radiant Corp.**, 111 New York Ave., Westbury, L.I., N.Y. Represented by: MEL Sales Ltd., Toronto 12, Ont.

**International Rectifier Corp.**, 233 Kansas St., El Segundo, Calif. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**International Rectifier of Canada Ltd.**, Ottawa 1, Ont.  
**International Resistance Co.**, 401 N. Broad St., Philadelphia 8, Pa. Represented by: IRC Resistors, Division of Renfrew Electric Co. Ltd., Toronto 8, Ont.

**International Standard Electric Corp.**, 50 Church St., New York 7, N.Y. Represented by: Standard Telephones & Cables Mfg. Co. (Canada) Ltd., Montreal, Que.

**International Telephone & Telegraph Corp.**, Components Div., 100 Kingsland Rd., (P.O. Box 412), Clifton, N.J. Represented by: Lake Engineering Co., Ltd., Scarborough, Ont.

**Iron Fireman Manufacturing Co.**, Electronics Div., 2838 S.E. Ninth Ave., Portland 2, Oregon. Rep. by: Iron Fireman Mfg. Co. of Canada Ltd., Toronto, Ont.

**Itemco, Inc.**, 18 Beechwood Ave., Port Washington, L.I., N.Y. Represented by: E. E. Whittaker, Ottawa, Ont.

J

**J.B.T. Instruments, Inc.**, 441 Chapel St., New Haven, Conn. Represented by: R. C. Kahnert Sales Ltd., Scarborough, Ont.  
C. M. Robinson Co., Winnipeg 3, Man.

**JFD Electronics Corp.**, 6101 16th Ave., Brooklyn, N.Y. Rep. by: Radio Trade Supply Ltd., Toronto, Ont.

**John R. Tilton, Ltd.**, Toronto 9, Ont.  
**Jack & Heinz, Inc.**, 17600 Broadway, Cleveland 1, Ohio. Represented by:

Aircraft Appliances & Equipment Ltd., Weston, Ont.  
**Jackson Electrical Instrument Co.**, 18 S. Patterson Blvd., Dayton 1, Ohio. Represented by: Canadian Marconi Co., Electronic Tube & Components Div., Toronto 17, Ont.

**James Vibrapower Co.**, 4050 North Rockwell St., Chicago 18, Ill. Represented by: Telegument Mfg. Co. Ltd., London, Ont.

**Jan Hardware Manufacturing Co., Inc.**, 75 N. 11th St., Brooklyn 11, N.Y. Represented by: J. J. MacQuarrie Sales, Toronto 5, Ont.

**Jeffers Electronics Division**, Speer Carbon Co., Hoover Ave., DuBois, Pa. Represented by: Samuel C. Hooker (Canada) Ltd., Montreal 28, Que.

**Jenny Industries**, 508 W. Liberty, Rome, N.Y. Represented by: Willard Spenser Co., Windsor, Ont.

**Jensen Industries Inc.**, 7333 W. Harrison St., Forest Park, Ill. Represented by: A. T. R. Armstrong Ltd., Toronto 9, Ont.

**Jensen Mfg. Co.**, 6601 S. Laramie Ave., Chicago 38, Ill. Rep. by: Jensen Speakers Div. of Renfrew Electric Co. Ltd., Toronto 8, Ont.

**Jerguson Gage and Valve Co.**, Adams St., Burlington, Mass. Represented by: Peacock Brothers Ltd., Montreal 3, Que.

**Jerrold Electronics Corp.**, The Jerrold Building, 15th and Lehigh Sts., Philadelphia 32, Pa. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Jerrold Electronics (Canada) Ltd.**, Toronto 19, Ont.  
**Jersey Specialty Co., Inc.**, Little Falls, N.J. Represented by: J. J. MacQuarrie Sales, Toronto 5, Ont.

**Johnson Co., E. F.**, 206 - 2nd Ave. S.W., Waseca, Minn. Represented by: The Crawford Radio, Hamilton, Ont.

**Dave M. Lee Co., Inc.**, Portland 12, Oregon (British Columbia).  
A. C. Simmonds & Sons, Ltd., Toronto 7, Ont. (Eastern Canada).

**Johnson & Co. Inc., K. W.**, 1825 Webster St., Dayton 4, Ohio. Represented by: Airfitte Components Co., Toronto 15, Ont.

**Johnson Electronics, Inc.**, P.O. Box 1675, Casselbury, Fla. Represented by: John R. Tilton Ltd., Toronto 9, Ont.

**Johnson Mfg. Co., Inc.**, 616 1st Ave. N., Mt. Vernon, Iowa. Represented by: Frank O. Farey, Montreal 29, Ont.

**Johnson-Williams, Inc.**, 2625 Park Blvd., Palo Alto 41, Calif. Represented by: Fleck Bros Ltd., Vancouver 4, B.C.

**Safety Supply Co.**, Toronto and various branches throughout Canada.

**Jonathan Mfg. Co.**, 720 East Walnut St., Fullerton, Calif. Represented by: E. E. Whittaker, Ottawa, Ont.

**Jones Division, H. B., Cinch Mfg. Co.**, Chicago, Ill. Represented by: United-Carr Fastener Co. of Canada Ltd., Hamilton, Ont.

**Jones Electronics, Hiram**, 2313 W. Olive St., Burbank, Calif. Represented by: E. S. Gould Sales Co., Montreal 1, Que.

**Jones Electronics Co. Inc., M. C.**, 185 North Main St., Bristol, Conn. Represented by: Aviation Electric Pacific Ltd., Vancouver, B.C.  
Bayly Engineering Ltd., Ajax, Ont.

**Jones Motorola Corp.**, Stamford, Conn. Represented by: Tecneek Associates, Montreal 25, Que.  
**Jordan Electronics**, 3025 W. Mission Rd., Alhambra, Calif. Represented by: Electrodesign, Montreal, Que.

**Joslyn Mfg. & Supply Co.**, 155 North Wacker Drive, Chicago 6, Ill. Represented by: Powerlife Devices Ltd., Toronto 18, Ont.

**Joy Manufacturing Co.**, Henry W. Oliver Bldg., Pittsburgh 22, Pa. Represented by: Joy Mfg. Co. (Canada) Ltd., Galt, Ont.

**Julie Research Laboratories, Inc.**, 556 W. 168th St., New York 32, N.Y. Represented by: Philips Electronics Industries Ltd., Leaside, Ont.  
Radionics Ltd., Montreal 9, Que.

K

**Kaar Engineering Corp.**, 2995 Middlefield Rd., Palo Alto, Calif. Represented by: Armstrong-Pacific, Vancouver, B.C.  
Canadian Electronics Ltd., Edmonton, Alta.  
Hart Electronics Ltd., Winnipeg, Man.  
Tele-Radio Systems Ltd., Toronto 9, Ont.

**Kasar Manufacturing & Distributing Co.**, Los Angeles, Calif. Represented by: Railway & Power Engineering Corp. Ltd., Montreal, Que.

**Kato Engineering Co.**, 1415 First Ave., Mankato, Minn. Rep. by: Acme Electric Corp. Ltd., Toronto 16, Ont.  
B.C. Equipment Co. Ltd., Vancouver, B.C.  
Crothers Ltd., Toronto 17, Ont.  
Crothers Manufacturing, Scarborough, Ont.  
Deutz Diesel Canada Ltd., Montreal, Que.

**Mechron Engineering Products, Ltd.**, Ottawa 1, Ont.  
Mumford Medland Ltd., Winnipeg, Man.  
Mussens Canada Ltd., Montreal, Que.  
Simson-Maxwell Ltd., Vancouver, B.C.

**Terry Machinery Co.**, Montreal 9, Que.  
Waterous Equipment Co., Edmonton, Alta.  
Charles L. Thompson, Ltd., North Vancouver, B.C.

**Katolight Corp.**, First Ave. & Chestnut St., Mankato, Minn. Represented by: Acme Electric Corp., Toronto 16, Ont.  
Charles L. Thompson, Ltd., North Vancouver, B.C.

**Kaydon Engineering Corp.**, The, Muskegon, Mich. Represented by: R & M Bearings Canada Ltd., Montreal, Que.

**Kay Electric Company**, 14 Maple Ave., Pine Brook, N.J. Rep. by: MEL Sales Ltd., Toronto 12, Ont.

**Kay Townes Antenna Co.**, 1511 Dean Ave., Rome, Ga. Represented by: Delhi Metal Products Ltd., Delhi, Ont.

**Kearfoot Co. Inc.**, 1500 Main Ave., Clifton, N.J. Represented by: Lake Engineering Co. Ltd., Scarborough, Ont.

**Keckley Co., O. C.**, 3400 Cleveland St., Skokie, Ill. Represented by: Davis Automatic Controls Ltd., Toronto 18, Ont.

**Kedman Co.**, 233 S. 5th West St. Salt Lake City, Utah. Rep. by: Alpha Aracon Radio Co. Ltd., Downsview, Ont.

**Kellogg Switchboard & Supply Co.**, 79 West Monroe St., Chicago 3, Ill. Represented by: Electrolabs, Montreal, Que.  
Electronic Research & Development Co. Ltd., Calgary, Alta.  
Standard Telephones & Cables Mfg. Co. (Canada) Ltd., Montreal, Que.

**Kelvin Electric Co.**, 5907 Noble Ave., Van Nuys, Calif. Rep. by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

**Kemode Mfg. Co.**, 161 W. 18th St. New York City, N.Y. Rep. by: E. S. Gould Sales Co., Montreal 1, Que.

**Kemtron Electron Products Inc.**, 14 Prince Place, Newburyport, Mass. Represented by: Lake Engineering Co. Ltd., Scarborough, Ont.

**Kenco Pump Division, American Crucible Products Co.**, 1305 Oberlin Ave., Lorain, Ohio. Represented by: Ward Leonard of Canada Ltd., Toronto 16, Ont.

**Kennedy & Co., D. S.**, 155 King St., Cohasset, Mass. Rep. by: Bristol Aeroplane Co. of Canada Ltd., Montreal 3, Que.

**Kenyon Instrument Co., Brewster**, N.Y. Represented by: Carriere and MacFeeters Ltd., Scarborough, Ont.

**Kepeco, Inc.**, 131-38 Sanford Ave., Flushing 55, N.Y. Represented by: Ward Leonard of Canada Ltd., Toronto 16, Ont.

**Kester Solder Co.**, 4201 Wrightwood Ave., Chicago 39, Ill. Represented by: Kester Solder Co. of Canada Ltd., Brantford, Ont.

**Keystone Electronics Inc.**, 49 Bleeker St., New York 12, N.Y. Represented by: Norris Burgess, Toronto 7, Ont.

**Kidde & Company Inc., Walter**, 1156 Main St., Belleville 9, N.J. Represented by: Walter Kidde & Co. of Canada Ltd., Montreal 16, Que.

**Kieley & Mueller Inc.**, 64 Genung St., Middletown, N.Y. Rep. by: The Bristol Co. of Canada Ltd., Toronto 2, Ont.

**Kinematix Inc.**, 1616 North Damen Ave., Chicago, Ill. Rep. by: Clairtone Sound Corp. Ltd., Weston, Ont.

**Kingston Electronics, Division of Kingston Industries, Inc.**, North St., Medfield, Mass. Rep. by: William Cohen Ltd., Montreal, Que. (All of Canada except British Columbia). Richard Legg Co., Portland, Oregon (British Columbia).

**Kinney Mfg. Division, The New York Air Brake Co.**, 3529 Washington St., Boston 30, Mass. Represented by: Williams & Wilson, Ltd., Montreal 3, Que.

**Kin Tel, A Division of Cohn Electronics, Inc.**, 5725 Kearny Villa Rd., Box 623, San Diego 12, Calif. Represented by: Atlas Instrument Corp., Ltd., Toronto 19, Ont.

**ARVA Inc.**, Vancouver 1, B.C.

**Kip Electronics Corp.**, 29 Holly Place, Stamford, Conn. Rep. by: Beechey Enterprises, Weston, Ont.

**Kirsch Music Corp.**, 349 West 48th St., New York, N.Y. Rep. by: Active Radio & TV Ltd., Toronto, Ont.

**Kistler Instrument Corp.**, 15 Webster St., North Tonawanda, N.Y. Represented by: Electromechanical Products, Agincourt, Ont.

**Kluse Mfg. Co.**, Grand Rapids, Mich. Represented by: Plastiglide Ltd., Toronto, Ont.

**Knight Kits**, N. Western Blvd., Chicago, Ill. Represented by: Radio Trade Supply Ltd., Toronto, Ont.

**Knights Co., James**, 101 E. Church St., Sandwich, Ill. Rep. by: Lake Engineering Co. Ltd., Scarborough, Ont.

**Knopp Inc.**, 1307-66th St., Oakland 8, Calif. Rep. by: Griffon Sales Ltd., Vancouver 9, B.C.

**Kohler, Sheboygan, Wis.** Rep. by: Geo. W. Crothers Ltd., Toronto 17, Ont.

**Koiled Kords Inc.**, New Haven, Conn. Represented by: Fleck Mfg. Ltd., Tillsonburg, Ont.

**Koilsman Instrument Inc.**, 80-08 45th Ave., Elmhurst, L.I., N.Y. Represented by: Standard Coil Products (Canada) Ltd., Toronto 14, Ont.

**Koss, Inc.**, 2227 N. 31st St., Milwaukee 8, Wis. Rep. by: Active Radio & TV Ltd., Toronto, Ont.

**Kraeuter & Co., Inc.**, 585-18th Ave., Newark 3, N.J. Represented by: Ron Merritt Co., Vancouver 1, B.C.

**Kreckman Co., Herb**, Cresco, Pa. Represented by: Robert J. Buckland Co., Chatham, Ont.

**Krohm-Hite Corp.**, 580 Massachusetts Ave., Cambridge 39, Mass. Rep. by: MEL Sales Ltd., Toronto 12, Ont.

**Kulka Electric Corp.**, 633 So. Fulton Ave., Mount Vernon, N.Y. Represented by: A. T. R. Armstrong Ltd., Toronto 9, Ont.

**Desser E-E Ltd.**, Montreal, Que.

**Kurman Electric Co.** A Subsidiary of Crescent Petroleum Corp., 191 Newel St., Brooklyn 22, N.Y. Represented by: Radio Center, Montreal, Que.

**E. E. Whittaker, Ottawa, Ont.**

**Kuthe Labs. Inc.**, 730 South 13th St., Newark 3, N.J. Rep. by: Lake Engineering Co. Ltd., Scarborough, Ont.

**L**

**L & R Manufacturing Co.**, 577 Elm St., Arlington, N.J. Rep. by: General Communications Ltd., Toronto 16, Ont.

**Laboratory for Electronics**, 75 Pitt St., Boston 15, Mass. Rep. by: Electromechanical Products, Agincourt, Ont.

**Lab-Tronics, Inc.**, 3656 N. Lincoln Ave., Chicago 13, Ill. Rep. by: Len Finkler Ltd., Toronto 12, Ont.

**Lake Manufacturing Co., Inc.**, 2323 Chestnut St., Oakland 7, Calif. Represented by: Electronic Research & Development Co. Ltd., Calgary, Alta.

**Lambda-Pacific Engineering Inc.**, 14725 Armita St., Van Nuys, Calif. Represented by: Beaconsight Optical & Precision Materials Co. Ltd., Montreal, Que.

**Lampkin Laboratories, Inc.**, EC Section, Bradenton, Fla.

**Lamson & Sessions Co.**, 5000 Tiedman Rd., Cleveland 9, Ohio. Represented by: James B. Carter Ltd., Winnipeg, Man.

**Landis & Gyr Inc.**, 45 W. 45th St., New York 36, N.Y. Rep. by: John Herring & Co. Ltd., Toronto, Ont.

**Landsverk Electrometer Co.**, 641 Sonora Ave., Glendale 1, Calif. Represented by: H. Verdier, Ottawa, Ont.

**RC Testing and Control Systems**, Toronto, Ont.

**Lansdale Tube Co.**, Division of Philco Corp., Lansdale, Pa. Represented by: Canadian Electrical Supply Co. Ltd., Montreal, Que.

**Electro Sonic Supply Co. Ltd.**, Toronto, Ont.

**Philco Corp. of Canada Ltd.**, Don Mills, Ont.

**Lansing Sound Inc., James B.**, 3249 Casitas Ave., Los Angeles 39, Calif. Represented by: Alex L. Clark Ltd., Islington, Ont.

**Lapp Insulator Co., Inc.**, 41 Gilbert St., LeRoy, N.Y. Represented by: D. T. Shaw Co., Montreal 16, Que.

**Lavoie Laboratories, Inc.**, Mattawan & Freehold Rd., Morganville, N.J. Rep. by: Instronics Ltd., Stittsville, Ont.

**Leach Relay Division, Leach Corporation**, 5915 Avalon Blvd., Los Angeles 3, Calif. Rep. by: Brian Engineering Ltd., Montreal, Que.

**Lear, Inc.**, 110 Ionia Ave., Grand Rapids, Mich. Represented by: Railway & Power Engineering Corp. Ltd., Montreal, Que.

**Lear-Romec Division, Elyria, Ohio.** Represented by: Railway & Power Engineering Corp. Ltd., Montreal, Que.

**Lecraft Mfg. Co. Inc.**, 60 Greene St., New York 12, N.Y. Rep. by: Lake Engineering Co. Ltd., Scarborough, Ont.

**Lefco Products, Inc.**, Van Nuys, Calif. Represented by: Railway & Power Engineering Corp., Ltd., Montreal, Que.

**LEL, Inc.**, 380 Oak St. Copiague, N.Y. Represented by: E. G. Lomas, Ottawa, Ont.

**Leland, Inc., G. H.** 123 Webster St., Dayton 2, Ohio. Rep. by: Marsland Engineering Ltd., Kitchener, Ont.

**Lenox Instrument Co., Phila., Pa.** Represented by: Magnachem Ltd., Calgary, Alta.

**Lenz Co.**, 3301 Klepinger Rd., Dayton, Ohio. Represented by: Dycon Ltd., Toronto 14, Ont.

**Lerco Electronics, Inc.**, 501 S. Varney St., Burbank, Calif. Represented by: Airflite Components Co., Toronto 15, Ont.

**Levinthal Electronic Products, Inc.**, 3180 Hanover St., Stanford Industrial Park, Palo Alto, Calif. Represented by: Electromechanical Products, Agincourt, Ont.

**Librascope, Inc.**, 808 Western Ave., Glendale 1, Calif. Represented by: Canadian Applied Research Ltd., Toronto 19, Ont.

**Licon Switch & Control Division, Illinois Tool Works**, 6606 W. Dakin St., Chicago, Ill. Represented by: Canada Illinois Tools, Ltd., Don Mills, Ont.

**Constellation Components Co.**, Scarborough, Ont.

**Lima Electric Motor Co., Inc.**, Lima, Ohio. Represented by: Consolidated Diesel Electric Corp. of Canada Ltd., Rexdale, Ont.

**Lindberg Engineering Co.**, 2450 W. Hubbard St., Chicago 12, Ill. Represented by: EFCO-Lindberg Ltd., Toronto, Ont.

**Williams & Wilson Ltd.**, Montreal, Que.

**Lindgren and Associates, Erik A.**, 4515-17 N. Ravenswood Ave., Chicago 40, Ill. Represented by: Atlas Instrument Corp. Ltd., Toronto 19, Ont.

**Line Electric Co.**, 271 South Sixth St., Newark 3, N.J. Rep. by: J. J. MacQuarrie Sales, Toronto 5, Ont.

**Ling Electronics Division, Ling-Alitec Electronics, Inc.**, 225 East St., Winchester, Mass. Represented by: MEL Sales Limited, Toronto 12, Ont.

**Ling Electronics Inc.**, 11949 Vose St., North Hollywood, Calif. Represented by: Eye Canada Ltd., Ajax, Ont.

**Tele-Radio Systems Ltd.**, Toronto 9, Ont.

**Lion Fastener Co.**, South Chester Corp., Lester, Pa. Rep. by: A. T. R. Armstrong Co., Toronto 9, Ont.

**Black Bros., Ltd.**, Vancouver 1, B.C.

**Liquidometer Corp., The**, 41-03 36th St., Long Island City 1, N.Y. Represented by: Liquidometer of Canada Ltd., Montreal, Que.

**Lisle Corp.**, Clarinda, Iowa. Represented by: James B. Carter Ltd., Winnipeg, Man.

**Littelfuse, Inc.**, 1865 Miner St., Des Plaines, Ill. Represented by: Radio Trade Supply Ltd., Toronto, Ont.

**Lifton Industries, Electron Tube Division**, 960 Industrial Rd., San Carlos, Calif. Represented by: Canadian Marconi Co., Electronic Tube & Components Div., Toronto 17, Ont.

**Lifton Industries, Components Division**, 215 S. Fulton Ave., Mount Vernon, N.Y. and 13536 Saticoy St., Van Nuys, Calif. Rep. by: Lake Engineering Co. Ltd., Scarborough, Ont.

**Livingston Audio Products Corp.**, Box 202, Caldwell, N.J. Rep. by: Seabreeze Sales Ltd., Toronto 18, Ont.

**Long-Lok Corp.**, 2601 Colorado Ave., Santa Monica, Calif. Represented by: A. J. Campbell & Co. Ltd., Montreal, Que.

**Lorain Products Inc.**, 1122 F St., Lorain, Ohio. Represented by: Hackbusch Electronics Ltd., Toronto 4, Ont.

**Lord Manufacturing Co.**, 1635 West 12th St., Erie 6, Pa. Represented by: Railway & Power Engineering Corp. Ltd., Montreal, Que.

**Lovejoy Flexible Coupling Co.**, Chicago, Ill. Represented by: Irving Smith Ltd., Montreal, Que.

**Lowell Manufacturing Co.**, 3030 Laclede Station Rd., St. Louis 17, Mo. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Luma Electric Equipment Co.**, The, 1607 Corning Drive, Toledo, Ohio. Represented by: Alexander & Orlick Ltd., Brantford, Ont.

**Williams & Wilson Ltd.**, Montreal, Que.

**Luminator, Inc.**, Chicago, Ill. Represented by: Railway & Power Engineering Corp. Ltd., Montreal, Que.

**Lumite Division, Chicopee Mills, Inc.**, Cornelia, Ga. Rep. by: R. C. Kahmert Sales Ltd., Scarborough, Ont.

**Lundey Associates Inc.**, 694 Main St., Waltham 54, Mass. Rep. by: The Glendon Company Ltd., Toronto 1, Ont.

**Lux Clock Mfg. Corp., Johnson St.**, Waterbury, Conn. Rep. by: L. H. Frost (Canada) Ltd., Oakville, Ont.

**Lynch Carrier Systems Inc.**, 695 Bryant St., San Francisco 7, Calif. Represented by: Northern Electric Co., Ltd., Montreal, Que.

**M**

**Machinery Electrification Inc.**, 56 Hudson St., Northboro, Mass. Represented by: Dominion Electrohome Industries, Ltd., Kitchener, Ont.

**Machlett Laboratories Inc.**, 1063 Hope St., Springdale, Conn. Represented by: Canadian Marconi Co., Electronic Tube & Components Div., Toronto 17, Ont.

**Magnasyn Manufacturing Co.**, 5546 Satsuma Ave., North Hollywood, Calif. Represented by: Alex L. Clark Ltd., Islington, Ont.

**Magnavox Co., The**, 2131 Buerer Rd., Fort Wayne 4, Ind. Rep. by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

**Magnecord Division, Midwestern Instruments, Inc.**, 41st St. and Sheridan, Tulsa, Okla. Rep. by: Alex L. Clark Ltd., Islington, Ont.

**Magnetic Shield Division, Perfection Mica Co.**, 1322 N. Elston Ave., Chicago 22, Ill. Rep. by: R. S. Griffith Westmount, Montreal, Que.

**Magnetics, Inc.**, Diamond Bldg., Butler, Pa. Represented by: George M. Fraser Ltd., Toronto 7, Ont.

**Magnetronics, Inc.**, 49 West 45th St., New York 36, N.Y. Rep. by: Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.), Toronto 1, Ont.

**Magtrol, Inc.**, 240 Seneca St., Buffalo 4, N.Y. Represented by: Canavia Engineering & Sales Co., Malton, Ont.

**Found Bros. Aviation Ltd.**, Malton, Ont.

**Makepeace Division, D. E., Engelhard Industries Inc.**, Attleboro, Mass. Represented by: Engelhard Industries of Canada Ltd., Toronto, Ont.

**Mallory & Co. Inc., P. R.**, 24 S. Gray St., Indianapolis 6, Ind. Represented by: The Crawford Radio, Hamilton, Ont.

**Johnson Matthey & Mallory Ltd.**, Toronto 15, Ont.

**A. C. Simmonds and Sons Ltd.**, Toronto 7, Ont.

**Mallory Capacitor Co.**, Indianapolis, Ind. Represented by: A. C. Simmonds and Sons Ltd., Toronto 7, Ont.

**Mandrel Industries Inc.**, 2950 N. Ontario St., Burbank, Calif. Represented by: Willard Spenser Co., Windsor, Ont.

- Manson Laboratories, Inc.**, 375 Fairfield Ave., Stamford, Conn. Represented by: Electrodesign, Montreal, Que.
- Marco Industries Co.**, 207 S. Helena St., Anaheim, Calif. Represented by: ARVA Inc., Vancouver 1, B.C. Anthony Foster & Sons Ltd., Toronto, Ont.
- Mark Mobile Inc.**, 6416 W. Lincoln Ave., Morton Grove, Ill. Rep. by: Aviation Electric Ltd., Montreal 9, Que. Aviation Electric Pacific Ltd., Vancouver, B.C.
- Mark Products Co.**, 6416 West Lincoln Ave., Morton Grove, Ill. Represented by: Aviation Electric Ltd., Montreal 9, Que. Aviation Electric Pacific Ltd., Vancouver, B.C.
- Mark-Tex Corp.**, 453 W. 17th St., New York 11, N.Y. Rep. by: Hope Machinery Co., Toronto 2, Ont.
- Markel & Sons, L. Frank**, School Lane, Norristown, Pa. Rep. by: H. P. Ruggles Company Ltd., Hamilton, Ont.
- Marsco Manufacturing Co.**, Chicago, Ill. Represented by: R. W. Stark, Renfrew, Ont.
- Marshall Electronics Co.**, Newark, N.J. Represented by: John S. Plewes Co., Toronto 9, Ont.
- Marshall Products**, 270 W. Lane Ave., Columbus 2, Ohio. Rep. by: Tatnall Measuring and Nuclear Systems, Toronto 16, Ont.
- Martin Co., L.**, 380 Madison Ave., New York 17, N.Y. Rep. by: James B. Carter Ltd., Winnipeg, Man.
- Martin Engineering Co.**, Neponset, Ill. Represented by: John Best Co., Islington, Ont.
- Martindale Electric Co.**, Box 617, Edgewater Branch, Cleveland 7, Ohio. Represented by: Flier-Smith Machinery Co. Ltd., Winnipeg, Man.
- Marvel Engineering Co.**, 7227 N. Hamlin Ave., Chicago, Ill. Represented by: Dycon Ltd., Toronto 14, Ont.
- Massa Div. of Cohu Electronics, Inc.**, 5 Fottler Rd., Hingham, Mass. Represented by: Atlas Instrument Corp. Ltd., Toronto 19, Ont.
- Maurey Instrument Corp.**, 7924 S. Exchange Ave., Chicago 17, Ill. Represented by: Burlec Sales Ltd., Toronto 16, Ont.
- Maury & Associates, Inc.**, 10373 Mills Ave., Montclair, Calif. Represented by: Tele-Radio Systems Ltd., Toronto 9, Ont.
- McIntosh Laboratory Inc.**, 2 Chambers St., Binghamton, N.Y. Represented by: McCurdy Radio Industries, Ltd., Toronto, Ont.
- McLean Engineering Laboratories**, P.O. Box 228, 70 Washington Rd., Princeton, N.J. Represented by: Northern Electric Co. Ltd., Montreal, Que. Northern Radio Manufacturing Co., Ltd., Ottawa, Ont.
- McQuay-Norris Mfg. Co.**, 2320 Marconi Ave., St. Louis 10, Mo. Represented by: McQuay-Norris Mfg. Co., Toronto, Ont. R. W. Stark, Renfrew, Ont.
- Measurements Corp.**, A McGraw-Edison Division, Box 180, Boonton, N.J. Rep. by: H. Roy Gray Ltd., Toronto 13, Ont.
- Mechanical Products, Inc.**, 1824 River St., Jackson, Mich. Represented by: Adams Engineering Ltd., Montreal, Que.
- Mechanical Steel Tubing, Inc.**, 500 Barry St., New York 59, N.Y. Represented by: Ben Manis Associates Reg'd, Montreal 29, Que.
- Melody Master Manufacturing Co.**, 2149-51 West Roscoe St., Chicago 18, Ill. Represented by: Hendry Hearing Service, Toronto, Ont. W. W. Slevers, Edmonton, Alta. Ken Steeves, Ltd., Windsor, Ont. J. G. Wallace, Vancouver, B.C.
- Menlo Park Engineering**, 721 Hamilton Ave., Menlo Park, Calif. Represented by: Radionics Ltd., Montreal 9, Que.
- Mercoid Corporation, The**, 4201 W. Belmont Ave., Chicago 4, Ill. Represented by: Davis Automatic Controls Ltd., Toronto 18, Ont. F. Drexel Company Ltd., Vancouver 4, B.C. Wells H. Morton & Co. Ltd., Calgary, Alta.
- Meriam Instrument Co.**, 10920 Madison Ave., Cleveland 2, Ohio. Represented by: Peacock Brothers Ltd., Montreal 3, Que.
- Merit Coil & Transformer Corp.**, 2027 Sherman St., Hollywood, Fla. Represented by: C. M. Robinson Co., Winnipeg 3, Man.
- Metallics, Inc.**, Onalaska, Wis. Represented by: Willard Spenser Co., Windsor, Ont.
- Metalphoto Corp.**, 6811 Superior Ave., Cleveland 3, Ohio. Rep. by: Taylor Pearson & Carson (B.C.) Ltd., Vancouver 2, B.C.
- Metal Textile Corp.**, A Div. of General Cable Corp., 647 E. First Ave., Roselle, N.J. Represented by: Metal Textile Corp. of Canada, Hamilton, Ont.
- Metal Works, Inc.**, 9 Jefferson Ave., Hermann, Mo. Rep. by: R. C. Kahnert Sales Ltd., Scarborough, Ont.
- Metals & Controls Div. of Texas Instruments Incorporated**, 34 Forest St., Attleboro, Mass. Represented by: Lloyd B. Jones, Toronto 9, Ont.
- Methode Mfg. Corp.**, 7447 W. Wilson Ave., Chicago 31, Ill. Represented by: P. J. Heenan Ltd., Toronto 17, Ont. Methode Mfg. Corp. Canada, Ltd., Hanover, Ont.
- Metronix, Inc.**, 75 Wilson Mills Rd., Chesterland, Ohio. Rep. by: Electromechanical Products, Agincourt, Ont.
- Mica Corp.**, 4031 Elenda St., Culver City, Calif. Rep. by: E. S. Gould Sales Co., Montreal 1, Que.
- Mica Insulator Div. of Minnesota Mining Co. Ltd.**, 797 Broadway, Schenectady 1, N.Y. Rep. by: H. P. Ruggles Company Ltd., Hamilton, Ont.
- Micamold Electronics Mfg. Corp.**, 1087 Flushing Ave., Brooklyn 37, N.Y. Represented by: General Instrument — F. W. Sicles of Canada Ltd., Waterloo, Ont. Telequipment Mfg. Co. Ltd., London, Ont.
- Mico Instrument Co.**, 80 Trowbridge St., Cambridge 38, Mass. Represented by: Canadian Research Institute, Toronto 5, Ont.
- Micro Balancing, Inc.**, 191 Herricks Rd., Garden City Park, L.I., N.Y. Represented by: James R. Kearney Corp., Guelph, Ont.
- Microdot Inc.**, 220 Pasadena Ave., South Pasadena, Calif. Rep. by: Lake Engineering Co. Ltd., Scarborough, Ont.
- Microdyne**, 300 W. Washington St., Chicago 6, Ill. Represented by: Computing Devices of Canada Ltd., Ottawa, Ont.
- Micrometrical Manufacturing Co.**, 345 South Main St., Ann Arbor, Mich. Represented by: Williams and Wilson Ltd., Montreal, Que.
- Micro-Poise Engineering & Sales Co.**, Detroit, Mich. Rep. by: Canavia Engineering & Sales Co., Malton, Ont. Found Bros. Aviation Ltd., Malton, Ont.
- Micro-Test, Inc.**, Los Angeles, Calif. Represented by: A. C. Wickman Ltd., Toronto 14, Ont.
- Microtran Company Inc.**, 145 E. Mineola Ave., Valley Stream, L.I., N.Y. Represented by: E. S. Gould Sales Co., Montreal 1, Que. Douglas Randall (Canada) Ltd., Scarborough, Ont.
- Microwave Associates, Inc.**, South Avenue, Burlington, Mass. Represented by: E. G. Lomas, Ottawa, Ont.
- Midget Louver Co.**, 6-8 Wall St., Norwalk, Conn. Represented by: The Feron Co., Halifax, N.S. W. D. Gray & Co., Vancouver, B.C. Walter E. Selck of Canada Ltd., Toronto, Ont.
- Midwest Audio Corp.**, Morton Grove, Ill. Represented by: Robert J. Buckland Co., Chatham, Ont.
- Mid West Spring Mfg. Co.**, 4632-36 S. Western, Chicago 9, Ill. Represented by: J. Rankin & Co., Winnipeg, Man.
- Millen Mfg. Co. Inc.**, James, 150 Exchange St., Malden 48, Mass. Represented by: H. Roy Gray Ltd., Toronto 13, Ont.
- Miller Harris Instrument Co.**, 1134 S. 1st St., Milwaukee, Wis. Represented by: Willard Spenser Co., Windsor, Ont.
- Miller Co., J. W.**, 5917 S. Main St., Los Angeles 3, Calif. Rep. by: Atlas Radio Corp. Ltd., Toronto 19, Ont.
- Miller Mfg. Co., M. A.**, 4th & Church Sts., Libertyville, Ill. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.
- Miller Tool & Mfg. Co., K.**, 8 Cass St., Springfield 4, Mass. Rep. by: Len Finkler Ltd., Toronto 12, Ont.
- Millivac Instruments, Div. of Cohu Electronics**, 2315 Second Ave., Schenectady, N.Y. Rep. by: Instronics Ltd., Stittsville, Ont.
- Milman Engineering Co., Inc.**, 1831 Pontius Ave., Los Angeles 25, Calif. Represented by: Tecneek Associates, Montreal 25, Que.
- Milro Controls Co.**, Park Ridge, N.J. Represented by: Taylor-Leslie & Engineering Corp. Ltd., Toronto, Ont. Milwaukee Resistor Co., 700 W. Virginia St., Milwaukee 4, Wis. Represented by: Norris Burgess, Toronto 7, Ont.
- Miniature Electronic Components Corp.**, Plymouth St., Holbrook, Mass. Represented by: Electromechanical Products, Agincourt, Ont.
- Mohawk Business Machines Corp.**, 944 Halsey St., Brooklyn 33, N.Y. Represented by: Thomas A. Edison of Canada, Ltd., Toronto, Ont. Instantaneous Recording Service, Toronto, Ont.
- Mohawk Wire & Cable Corp.**, 320 River St., Fitchburg, Mass. Represented by: Westbury Electronics (Canada) Ltd., Montreal, Que.
- Moldcast Manufacturing Co.**, 236 South St., Newark, N.J. Represented by: Verd-A-Ray Electric Products Ltd., Montreal 9, Que.
- Monitor Products Co.**, 815 Fremont Ave., South Pasadena, Calif. Rep. by: L. A. Varah Ltd., Vancouver 1, B.C.
- Montgomery Mfg. Co.**, 208 S. Main St., Owensville, Ind. Rep. by: Paul Chaput, Ltd., Montreal 24, Que. E.M.I.-Cossor (Canada) Ltd., Montreal, Que. Gaspard & Sons Ltd., Winnipeg 2, Man. Multi-Vox Ltd., Montreal North 12, Que. Reliance Typewriter Co., Winnipeg, Man. Televox Systems, Inc., Quebec 8, Que.
- Moody Machine Products Co., Inc.**, 42-46 Dudley St., Providence 5, R.I. Represented by: Len Finkler Ltd., Toronto 12, Ont.
- MOOG Servocontrols, Inc.**, Proner Airport, East Aurora, N.Y. Represented by: Constellation Components Co., Scarborough, Ont.
- Moore Associates, Inc.**, 2600 Spring St., Redwood City, Calif. Represented by: Petro-Automation Industries Ltd., Calgary, Alta. Tecneek Associates, Montreal 25, Que. Tele-Radio Systems, Toronto 9, Ont.
- Moorehouse Machine Co.**, 1742 Sixth Ave., York, Pa. Represented by: Tatnall Measuring and Nuclear Systems, Toronto 16, Ont.
- Moran Products Co., The**, 2925 E. 55th St., Cleveland, Ohio. Represented by: Tenatronics Ltd., Newmarket, Ont.
- Morningsstar-Paisley, Inc.**, 630 West 51st St., New York 19, N.Y. Represented by: Morningsstar-Paisley of Canada Ltd., Toronto, Ont.
- Morrow Radio Manufacturing Co.**, 2794 Market St. N.E., Salem, Oregon. Represented by: Tele-Radio Systems Ltd., Toronto 9, Ont.
- Moseley Co., F. L.**, 409 N. Fair Oaks Ave., Pasadena, Calif. Represented by: ARVA, Inc., Vancouver, B.C. R-O-R Associates, Ltd., Don Mills, Ont.
- Mosley Electronics, Inc.**, 8622 St. Charles Rock Rd., St. Louis 14, Mo. Represented by: Robert J. Buckland Co., Chatham, Ont. Ron Merritt Co., Vancouver, B.C. John R. Tilton Ltd., Toronto 9, Ont.
- Mossman, Inc., Donald P.**, P.O. Box 265, Brewster, N.Y. Represented by: Burlec Sales Ltd., Toronto 16, Ont.
- Motor Generator Corp.**, Troy, Ohio. Represented by: Aviquipo of Canada Ltd., Montreal 3, Que.
- Motorola, Inc.**, Communications and Electronics Division, 4501 W. Augusta Blvd., Chicago 51, Ill. Represented by: Canadian Motorola Electronics Ltd., Toronto 16, Ont.
- Mucon Corp.**, 9 St. Francis St., Newark 5, N.J. Represented by: John Herring & Co. Ltd., Toronto 9, Ont.
- Mueller Electric Co.**, 1538 E. 31st St., Cleveland 14, Ohio. Rep. by: W. H. Cooper & Co., Toronto 5, Ont.
- Multi-Products Co.**, 21470 Coolidge Highway, Oak Park 37, Mich. Represented by: Alpha Aracon Radio Co., Toronto, Ont. Robert J. Buckland Co., Chatham, Ont. Crawford Radio, Hamilton, Ont. Electro Sonic Supply Co., Toronto, Ont. Electronic Tube Co., Montreal, Que. Smalley's Radio Ltd., Calgary, Alta. Sparkling Sales Ltd., Winnipeg, Man.

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- NJE Corporation**, 20 Boright Ave., Kenilworth, N.J. Represented by: Radionics Ltd., Montreal, Que.
- NRC Equipment Corp.**, 160 Charlemont St., Newton 61, Mass. Represented by: Winnett Boyd Ltd., Toronto 7, Ont.
- Narco**, Fort Washington, Pa. Represented by: Canadian Marconi Company, Montreal, Que.
- Narda Microwave Corp., The**, 118 Herricks Rd., Mineola, N.Y. Represented by: MEL Sales Ltd., Toronto 12, Ont.
- Narda Ultra Sonic Corp.**, 625 Main St., Westbury, L.I., N.Y. Rep. by: MEL Sales Ltd., Toronto 12, Ont. Measurement Engineering Ltd., Arnprior, Ont.
- Narrow Fabric Co.**, Reading, Pa. Represented by: Wm. B. Stewart & Sons Ltd., Toronto, Ont.



**Nartronics Co. Inc., The,**  
1015 South 6th St., Minneapolis,  
Minn. Represented by:  
Active Radio & TV Ltd.,  
Toronto, Ont.

**National Company, Inc., The,**  
61 Sherman St., Malden 48, Mass.  
Represented by:  
Canadian Marconi Co.,  
Electronic Tube & Components  
Division, Toronto 17, Ont.

**National Electronics, Inc.,**  
628 North St., Geneva, Ill.  
Distributors in principal cities  
of Canada.

**National Fabricated Products,**  
Inc., 2650 W. Belden Ave.,  
Chicago 47, Ill. Represented by:  
William T. Barron,  
Oakville, Ont.

**National Instrument**  
**Laboratories, Inc.,** 828 Eaverts St.  
N.E., Washington, D.C. Rep. by:  
Canavia Engineering & Sales  
Co., Malton, Ont.  
Found Bros. Aviation Ltd.,  
Malton, Ont.

**National Moldite Co.,** 250 South  
St., Newark 5, N.J. Rep. by:  
John S. Plewes Co.,  
Toronto 9, Ont.

**National Radio Co. Inc.,**  
37 Washington St., Melrose 76,  
Mass. Represented by:  
Canadian Marconi Company,  
Toronto, Ont.

**National Theatre Supply Co.,**  
International Division, 92 Gold St.,  
New York 38, N.Y. Rep. by:  
General Sound & Theatre  
Equipment Ltd., Toronto 5, Ont.

**National Ultrasonic Corp.,**  
111 Montgomery Ave.,  
Irvine 11, N.J. Rep. by:  
Electrolabs, Montreal, Que.

**National Union Electric Corp.,**  
Electronics Division, 1201 E. Bell  
St., Bloomington, Ill. Rep. by:  
The Ahearn & Soper Co. Ltd.,  
Ottawa, Ont.

**National Vulcanized Fibre Co.,**  
P.O. Box 311, Wilmington 99, Del.  
Represented by:  
National Fibre Co. of Canada  
Ltd., Toronto 3, Ont.

**Natvar Corp.,** 211 Randolph Ave.,  
Woodbridge, N.J. Represented by:  
E. W. Playford, Ltd.,  
Montreal 28, Que.

**Neill Company, Inc., R. W.,**  
4320 Montrose Ave., Chicago 41,  
Ill. Represented by:  
National Sound Services Ltd.,  
Montreal 9, Que.

**Nelson Vacuum Pump Co.,**  
2133 Fourth St., Berkeley 10,  
Calif. Represented by:  
Cave & Co. Ltd.,  
Vancouver 9, B.C.

**Nems-Clarke Co., Div. of Vitro**  
**Corp. of America,** 919 Jesup-Blair  
Drive, Silver Springs, Md.  
Represented by:  
Electromechanical Products,  
Agincourt, Ont.

**Nesor Alloy Products Co.,**  
282 Halsey St., Newark, N.J.  
Represented by:  
Electronic Enterprises Ltd.,  
Montreal, Que.

**Neumann Co., John W.,**  
Clawson, Mich. Represented by:  
John Best Co., Islington, Ont.

**Newcastle Fabrics Corp.,**  
80 Wythe Ave., Brooklyn 13, N.Y.  
Represented by:  
William Cohen Ltd.,  
Montreal, Que.

**New Departure, Div. of General**  
**Motors, Bristol, Conn.** Rep. by:  
R & M Bearings Canada Ltd.,  
Montreal, Que.

**New England Mica Co. Ltd.,**  
Waltham, Mass. Represented by:  
National Fibre Co. of Canada  
Ltd., Toronto 3, Ont.

**New England Nuclear Corp.,**  
575 Albany St., Boston 18, Mass.  
Represented by:  
Radionics Ltd., Montreal 9, Que.

**New England Transformer Co.**  
**Inc.,** 47 McGrath Highway,  
Somerville 43, Mass. Rep. by:  
Samuel C. Hooker (Canada) Ltd.,  
Montreal 28, Que.

**New Hermes Engraving Machine**  
**Corp.,** 154 West 14th St., New  
York City, N.Y. Represented by:  
New Hermes of Canada, Ltd.,  
Montreal, Que.

**New Hermes Marking Products, Ltd.,**  
London, Ont.

**New Jersey Wood Finishing Co.,**  
Amboy Ave., Woodbridge, N.J.  
Represented by:  
Canadian General Electric Co.,  
Toronto, Ont.

**New London Instrument Co.,**  
82 Union St., New London, Conn.  
Represented by:  
Conway Electronic Enterprises  
Reg'd, Toronto 10, Ont.

**Newman Corp., M. M.,** 79 Clifton  
Ave., Marblehead, Mass. Rep. by:  
Electro Sonic Supply Co. Ltd.,  
Toronto 5, Ont.

**New York Coil Co.,** 40-48 Second  
Ave., Phoenixville, Pa. Rep. by:  
Lake Engineering Co. Ltd.,  
Scarborough, Ont.

**Non-Linear Systems Inc.,** Del Mar  
Airport, Del Mar, Calif. Rep. by:  
Aeromotive Products Ltd.,  
Pointe Claire, Montreal 33, Que.

**Norden Division, United Aircraft**  
**Corp.,** Commerce Rd., Stamford,  
Conn. Represented by:  
Canadian Pratt and Whitney  
Aircraft Co.,  
Longueuil, Montreal 23, Que.

**Norrich Plastics Corp.,** Division  
Norrich Screw Machine Products,  
107-109 W. 18th St., New York 11,  
N.Y. Represented by:  
William M. Hummel,  
Port Credit, Ont.

**Norrman Laboratories, Ernst,**  
Williams Bay, Wis. Rep. by:  
RC Testing & Control Systems,  
Toronto 1, Ont.

**North American Electronics Inc.,**  
212 Broad St., Lynn, Mass.  
Represented by:  
E. S. Gould Sales Co.,  
Montreal 1, Que.

**Northeast Scientific Corp.,**  
617 Concord Ave., Cambridge 38,  
Mass. Represented by:  
Electromechanical Products,  
Agincourt, Ont.

**Northeastern Engineering Inc.,**  
25 S. Bedford St., Manchester,  
N.H. Represented by:  
Computing Devices of Canada  
Ltd., Ottawa 4, Ont.

**North Electric Co.,** 553 S. Market  
St., Galion, Ohio. Represented by:  
Ericsson Telephone Sales of  
Canada Ltd., Montreal 8, Que.

**North Hills Electric Co. Inc.,**  
402 Sagamore Ave., Mineola,  
L.I., N.Y. Represented by:  
Stark Electronic Sales Co.,  
Ajax, Ont.

**Northern Radio Mfg. Co. Ltd.,**  
143-149 West 22nd St.,  
New York 11, N.Y. Rep. by:  
Domac Technical Sales Ltd.,  
Ottawa, Ont.

**Northern Radio Mfg. Co. Ltd.,**  
Northern Radio Mfg. Co. Ltd.,  
Ottawa, Ont.

**Nortronics Co., Inc.,** 1015 So. 6th  
St., Minneapolis 22, Minn. Rep. by:  
Active Radio & TV Ltd.,  
Toronto 2B, Ont.

**Norwood Controls, Unit of Detroit**  
**Controls,** 934 Washington St.,  
Norwood, Mass. Represented by:  
Petro-Automation Industries,  
Inc., Edmonton, Alta.

**Nuclear-Chicago Corp.,** 333 East  
Howard Ave., Des Plaines, Ill.  
Represented by:  
L. M. Danckert, Toronto resident  
sales engineer, 159 Benjamin  
Drive, Scarborough, Ont.

**Nuclear Corp. of America,**  
Instrument and Research Div.,  
2 Richwood Place, Denville, N.J.  
Represented by:  
X-Ray & Radium Ltd.,  
Toronto 5, Ont.

**Nuclear Systems, Div. of The**  
**Budd Co.,** 2450 Hunting Park Ave.,  
Philadelphia, Pa. Represented by:  
Tatnal Measuring and Nuclear  
Systems, Toronto 16, Ont.

**Nucleonic Products Company, Inc.,**  
1601 Grande Vista Ave.,  
Los Angeles 23, Calif. Rep. by:  
Smyth Electronic Components  
Ltd., Montreal 1, Que.

**Nugent Electronics Co.,**  
802 E. Eighth St., New Albany,  
Ind. Represented by:  
E. G. Lomas, Ottawa, Ont.

**Nutron Mfg. Co., Inc.,** 67 Monroe  
Ave., Staten Island 1, N.Y.  
Represented by:  
Conway Electronic Enterprises  
Ltd., Toronto 10, Ont.

**Nylon Molding Corp.** Garwood,  
N.J. Represented by:  
A. Deskin Sales Co., St. Martin,  
Montreal 40, Que.

**Oak Manufacturing Co.,**  
1260 N. Clybourne Ave.,  
Chicago 10, Ill. Rep. by:  
Atlas Radio Corp. Ltd.,  
Toronto 19, Ont.

**Radio Components Ltd.,**  
Toronto 19, Ont.

**Oaktron Industries, Inc.,**  
Highway 69 South, Monroe Wis.  
Represented by:  
Active Radio & TV Ltd.,  
Toronto, Ont.

**Ohio Carbon Co.,** 12508 Berca Rd.,  
Cleveland, Ohio. Represented by:  
Frank T. Ross & Sons Ltd.,  
West Vancouver, B.C.

**Ohio Crankshaft Co., The,**  
Tocco Division, 3800 Harvard Ave.,  
Cleveland 5, Ohio. Rep. by:  
J. C. Lewis, 38 Carwyn Crescent,  
Hamilton, Ont.

**Ohio Seamless Tube Division of**  
**Copperweld Steel Co.,** Shelby,  
Ohio. Represented by:  
Railway & Power Engineering  
Corp. Ltd., Montreal, Que.

**Ohmart Corp.,** The, 2236 Bogen  
St., Cincinnati 22, Ohio. Rep. by:  
Industrial Projects Ltd.,  
Montreal, Que.

**Ohmlite Manufacturing Co.,**  
3601 Howard St., Skokie, Ill.  
Represented by:  
C. M. Robinson Co.,  
Winnipeg 3, Man.

**Ohmtron Corp.,** The, 236 Bogen  
St., Cincinnati 22, Ohio. Rep. by:  
Industrial Projects Ltd.,  
Montreal, Que.

**Oil-Dyne Inc.,** 2115 W. Marguerite  
Rd., Chicago 36, Ill. Rep. by:  
John Best Co., Islington, Ont.

**Oil Well Water Locating Co.,**  
2230 Lemon Ave., Long Beach,  
Calif. Represented by:  
Philips Electronics Industries  
Ltd., Leaside, Ont.

**Olympic Instrument Laboratories,**  
Vashon, Wash. Represented by:  
Canadian Marconi Company,  
Montreal, Que.

**Olympic Products Co. Inc.,**  
Alpha, N.J. Represented by:  
Essex Electronics of Canada  
Ltd., Trenton, Ont.

**Olympic Screw & Rivet Corp.,**  
Downey, Calif. Represented by:  
Railway & Power Engineering  
Corp. Ltd., Montreal, Que.

**Onan & Son, Inc., D. W.,**  
2515 University Ave. S.E.,  
Minneapolis 14, Minn. Rep. by:  
Brooks Equipment Ltd.,  
Winnipeg, Man.

**Onondaga Pottery Co.,** Electronics  
Division, 1858 W. Fayette St.,  
Syracuse 1, N.Y. Rep. by:  
Electrolabs, Montreal, Que.

**Optimized Devices, Inc.,**  
864 Franklin Ave., Thornwood,  
N.Y. Represented by:  
Electrodesign, Montreal, Que.

**Orr Industries Inc.,** Shamrock  
Circle, Opelika, Ala. Rep. by:  
Atlas Radio Corp. Ltd.,  
Toronto 19, Ont.

**Ortho Filter Corp.,** 196 Albion  
Ave., Paterson 2, N.J. Rep. by:  
J. J. MacQuarrie Sales,  
Toronto 5, Ont.

**Oster Mfg. Co.,** John, Avionic  
Division, 1 Main St., Racine, Wis.  
Represented by:  
C. W. Donnelly,  
East Aurora, N.Y.

**Owens-Corning Fiberglass Corp.,**  
717 Fifth Ave., New York 22, N.Y.  
Represented by:  
Fiberglass Canada Ltd.,  
Toronto 1, Ont.

**Oxford Components, Division**  
**Oxford Electric Corp.,** 556 W.  
Monroe St., Chicago 6, Ill.  
Represented by:  
Atlas Radio Corp. Ltd.,  
Toronto 19, Ont.

**P.B.R. Manufacturing Co.,**  
H & Luzerne Sts., Phila. 24, Pa.  
Represented by:  
E. E. Whittaker, Ottawa, Ont.

**P. & H. Electronics Inc.,**  
424 Columbia, Lafayette, Ind.  
Represented by:  
Engineered Sound Systems Ltd.,  
Toronto 18, Ont.

**Pace Electrical Instruments Co.,**  
70-31-84th St., Glendale 27,  
L.I., N.Y. Represented by:  
Atlas Radio Corp. Ltd.,  
Toronto 19, Ont.

**Pacific Automation Products Inc.,**  
1000 Air Way, Glendale, Calif.  
Represented by:  
Airflite Components Co.,  
Toronto 15, Ont.

**Pacific Scientific Co.,** 1430 Grande  
Vista Ave., Los Angeles 23, Calif.  
Represented by:  
The Garrett Mfg. Corp. of  
Canada, Ltd., Rexdale, Ont.

**Pacific Semiconductors, Inc.,**  
10451 West Jefferson Blvd., Culver  
City, Calif. Represented by:  
Electro Sonic Supply Co. Ltd.,  
Toronto 5, Ont.

**Paco Electronics Co., Inc.,**  
70-31-84th St., Glendale 27,  
L.I., N.Y. Represented by:  
Atlas Radio Corp. Ltd.,  
Toronto 19, Ont.

**Palnut Co., The,** Glen Rd.,  
Mountainside, N.J. Rep. by:  
The P. L. Robertson Mfg. Co.  
Ltd., Milton, Ont.

**Pandjiris Weidman Co.,**  
151 Northrup Ave., St. Louis, Mo.  
Represented by:  
Gulley Company Ltd.,  
Scarborough, Ont.

**Paragon Electric Co.,**  
1600 Twelfth St., Two Rivers, Wis.  
Represented by:  
Automatic Electric Sales  
(Canada) Ltd., Toronto 16, Ont.

**Paragon-Revolute Corp.,**  
77 South Ave., Rochester 4, N.Y.  
Represented by:  
Paragon-Revolute (Canada) Ltd.,  
Montreal, Que.

**Parker Aircraft Co.,** Los Angeles,  
Calif. Represented by:  
Railway & Power Engineering  
Corp. Ltd., Montreal, Que.

**Parker Seal Co.,** 10567 Jefferson  
Bldg., Culver City, Calif. Rep. by:  
A. J. Campbell & Co. Ltd.,  
Montreal, Que.

**Parkway Specialties Co.,**  
9861 Appleton, Detroit, Mich.  
Represented by:  
Active Radio & TV Ltd.,  
Toronto, Ont.

**Parsons Co., The Ralph M.,**  
Electronics Division, 151 South  
De Lacey Ave., Pasadena, Calif.  
Represented by:  
The Ralph M. Parsons Co. of  
Canada, Ltd., Toronto, Ont.

**Peerless Electric Co., The,**  
1401 West Market St., Warren,  
Ohio. Represented by:  
Douglas Engineering Co.,  
Toronto 19, Ont.

**Peirce Dictation Systems,**  
5900 N. Northwest Highway,  
Chicago 31, Ill. Represented by:  
W. H. Doidge, Windsor, Ont.

**Mitchell Houghton, Ltd.,**  
Toronto, Ont.

**Tele-Tech Services Ltd.,**  
Victoria, B.C.

**Penn Keystone Corp.,** 100 Hawkins  
St., Derby, Conn. Rep. by:  
Abercorn Aero Ltd.,  
Montreal 29, Que.

**Pennsylvania Fluorocarbon Co.**  
**Inc.,** 1115 North 38th St.,  
Philadelphia 4, Pa. Rep. by:  
Andrew Gilchrist Ltd.,  
St. Laurent, Que.

**Penta Laboratories, Inc.,**  
312 North Nopal St., Santa  
Barbara, Calif. Represented by:  
John S. Plewes Co.,  
Toronto 9, Ont.

**Pentron Corp.,** The, 777 South  
Tripp Ave., Chicago 24, Ill.  
Represented by:  
Atlas Radio Corp. Ltd.,  
Toronto 19, Ont.

**Perkin Engineering Corp.,**  
345 Kansas St., El Segundo, Calif.  
Represented by:  
Electromechanical Products,  
Agincourt, Ont.

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**Perkin Engineering Corp.,**  
345 Kansas St., El Segundo, Calif.  
Represented by:  
Electromechanical Products,  
Agincourt, Ont.

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Represented by:  
Electromechanical Products,  
Agincourt, Ont.

- Permanent Filter Corp.**, 1800 W. Washington Blvd., Los Angeles 7, Calif. Rep. by: Aircraft Appliances & Equipment Ltd., Weston, Ont.
- Permonite Manufacturing Co.**, 910 West Jackson Blvd., Chicago 7, Ill. Represented by: The Glendon Company Ltd., Toronto 1, Ont.
- Peschel Electronics, Inc.**, R.F.D. #1, Patterson, N.Y. Represented by: Stark Electronic Sales Co., Ajax, Ont.
- Petersen Radio Co., Inc.**, 2800 W. Broadway, Council Bluffs, Iowa. Represented by: R. C. Kihnert Sales Ltd., Scarborough, Ont.
- Pfanstiehl Chemical Corp.**, 104 Lake View Ave., Waukegan, Ill. Represented by: Musimart, Inc., Montreal, Que.
- Phalo Plastics Corp.**, 530 Boston Turnpike, Shrewsbury, Mass. Represented by: Smyth Electronic Components Ltd., Montreal 1, Que.
- Phaostroon Instrument & Electronic Co.**, 151 Pasadena Ave., South Pasadena, Calif. Represented by: John R. Tilton Ltd., Toronto 9, Ont.
- Phelps Dodge Copper Products Corp.**, Lincoln Highway East, Fort Wayne, Ind., and 300 Park Ave., New York 22, N.Y. Rep. by: Dayrand Ltd., Montreal 6, Que. The Glendon Company Ltd., Toronto 1, Ont. Westbury Electronics (Canada) Ltd., Montreal, Que.
- Philbrick Researches, Inc.**, George A., 285 Columbus Ave., Boston 16, Mass. Represented by: The Ahearn and Soper Co. Ltd., Ottawa, Ont.
- Philco Corporation**, Tioga and "C" Sts., Philadelphia, Pa. Rep. by: Philco Corp. of Canada Ltd., Don Mills, Ont.
- Phillips Electronics, Inc.**, Telecommunications Division, 750 S. Fulton Ave., Mount Vernon, N.Y. Represented by: The Garrett Mfg. Corp. of Canada, Ltd., Rexdale, Ont. Phillips Electronics Industries Ltd., Leaside, Ont.
- Phillips Control Corp.**, 59 W. Washington St., Joliet, Ill. Represented by: Burlec Sales Ltd., Toronto 16, Ont.
- Photomation, Inc.**, (formerly Ess Instrument Co.), 96 So. Washington Ave., Bergenfield, N.J. Represented by: Frederick M. Irvine, Ltd., Montreal, Que. The Polytronics Co., Toronto, Ont.
- Photo Research Corp.**, 837 N. Cahuenga Blvd., Hollywood 38, Calif. Rep. by: Alex L. Clark Ltd., Islington, Ont.
- Photovolt Corp.**, 95 Madison Ave., New York 16, N.Y. Rep. by: Canadian Research Institute, Toronto 5, Ont. Electronlabs, Montreal, Que. Tecneek Associates, Montreal 25, Que.
- Photon Instrument Co.**, 6516 Detroit Ave., Cleveland 2, Ohio. Represented by: Electromechanical Products, Agincourt, Ont.
- Pic Design Corp.**, 477 Atlantic Ave., East Rockaway, L.I., N.Y. Represented by: Phillip French Sales Ltd., Montreal 16, Que.
- Pickering and Company, Inc.**, Sunnyside Blvd., Plainville, L.I., N.Y. Represented by: Charles W. Pointon Ltd., Rexdale, Ont.
- Pilot Radio Corp.**, 37-06 36th St., Long Island City 1, N.Y. Rep. by: Atlas Radio Corp. Ltd., Toronto 19, Ont.
- Pioneer Industries, Inc.**, 2700 Hawkeye Drive, Sioux City, Iowa. Represented by: Ajax Engineers Ltd., Toronto, Ont.
- Plastic Capacitors, Inc.**, 2620 North Clybourn Ave., Chicago 14, Ill. Rep. by: Lake Engineering Co., Ltd., Scarborough, Ont.
- Plastoid Corp.**, 42-61 24th St., Long Island City, N.Y. Rep. by: Ron Merritt Co., Vancouver 1, B.C.
- Polarad Electronics Corp.**, 43-20 34th St., Long Island City, N.Y. Represented by: MEL Sales Ltd., Toronto 12, Ont.
- Polypenco, Inc.**, 2150 Fairmont Ave., Reading, Pa. Rep. by: C. M. Lovsted & Co. (Canada) Ltd., Vancouver 9, B.C. Peckover's Ltd., Toronto, Ont. and Montreal, Que.
- Polyphase Instrument Co.**, East Fourth St., Bridgeport, Pa. Represented by: Electromechanical Products, Agincourt, Ont.
- Polytechnic Research & Development Co., Inc.**, 202 Tillary St., Brooklyn 1, N.Y. For free direct telephone connection to PRD, Brooklyn, N.Y., call Zenith 6-0650 in Ottawa, Toronto, Hamilton, Montreal, Sherbrooke, Malton.
- Posen & Kilne Tube Co., Inc.**, P.O. Box 549, Norristown, Pa. Represented by: Handy & Harman of Canada Ltd., Toronto, Ont.
- Post Machinery Co.**, Electronic Products Division, 140 Elliott St., Beverly, Mass. Represented by: Elder Electronics, Burlington, Ont.
- Potter Instrument Company, Inc.**, Sunnyside Blvd., Plainville, L.I., N.Y. Represented by: Instronics Ltd., Stittsville, Ont.
- Potts Manufacturing Co.**, Arlington, Texas. Represented by: Railway & Power Engineering Corp., Ltd., Montreal, Que.
- Power Sources, Inc.**, South Ave., Burlington, Mass. Rep. by: E. G. Lomas, Ottawa, Ont.
- Precision Apparatus Co., Inc.**, 70-31 84th St., Glendale 27, L.I., N.Y. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.
- Precision Electronics, Inc.**, 9101 King St., Franklin Park, Ill. Represented by: William Cohen Ltd., Montreal, Que.
- Precision Instrument Co.**, 1011 Commercial St., San Carlos, Calif. Represented by: R-O-R Associates Ltd., Don Mills, Ont.
- Precision Laboratories**, 1037 Utica Ave., Brooklyn, N.Y. Represented by: Caldwell A/V Equipment Co. Ltd., Toronto 5, Ont.
- Precision Mechanisms Corp.**, 577 Newbridge Ave., East Meadow, L.I., N.Y. Represented by: J. J. MacQuarrie Sales, Toronto 5, Ont.
- Precision Metal Products Co.**, 41 Elm St., Stoneham 80, Mass. Represented by: A. Deskin Sales Co., St. Martin, Montreal 40, Que.
- Precision Radiation Instruments, Inc.**, 4223 W. Jefferson Blvd., Los Angeles, Calif. Rep. by: Canadian Research Institute, Toronto 5, Ont.
- Precision Scientific Co.**, 3737 W. Cortland St., Chicago 47, Ill. Represented by: Tecneek Associates, Montreal 25, Que.
- Precision Thermometer & Instrument Co.**, 1434 Brandywine St., Philadelphia 30, Pa. Rep. by: Measurement Engineering Ltd., Arnprior, Ont.
- Precision Tube Co., Inc.**, Church Rd. and Wissahickon Ave., North Wales, Pa. Represented by: Canadian Research Institute, Toronto 5, Ont.
- Preis Engraving Machine Co.**, H. P., 651 U.S. Highway #22, Hillside 5, N.J. Represented by: Empire Engineering Co., Toronto, Ont. Hope Machinery Co., Toronto, Ont. H. J. G. McLean Ltd., Brantford, Ont. Moore Bros. Machinery Co. Ltd., Montreal, Que.
- Premier Metal Products Co.**, 337 Manida St., Bronx 59, N.Y. Represented by: Musimart of Canada, Ltd., Montreal, Que.
- Presto Recording Corp.**, P.O. Box 500, Paramus, N.J. Represented by: Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.), Toronto 1, Ont. Chas. L. Thompson Ltd., North Vancouver, B.C.
- Price Electric Corp.**, E. 2nd and Church Sts., Frederick, Md. Represented by: Radio Condenser Co., Ltd., Toronto 16, Ont.
- Proctor Electric Co.**, Philadelphia, Pa. Represented by: R. W. Stark, Renfrew, Ont.
- Puregas Equipment Corp.**, 578 Oak St., Copiague, N.Y. Represented by: Canadian Puregas Equipment Ltd., Toronto, Ont.
- Pyramid Electric Co.**, Orange St., Darlington, S.C. Represented by: Wm. Cohen Ltd., Montreal, Que.
- Pyramid Instrument Corporation**, 630 Merrick Rd., Lynbrook, N.Y. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

## Q

- Quality Electronics**, 319 Church St., New York 13, N.Y. Rep. by: Active Radio & TV Ltd., Toronto, Ont.
- Quam Nichols Co.**, 234 East Marquette Rd., Chicago 37, Ill. Represented by: A. T. R. Armstrong Ltd., Toronto 9, Ont. D. Eldon McLennan, Ltd., Vancouver 9, B.C.
- Quan-Tech Laboratories**, 236 Mt. Kemble Ave., Morristown, N.J. Represented by: Electrodesign, Montreal, Que. (Provinces of Ontario, Quebec and the Maritimes). Paramount Agencies, Seattle 1, Wash. (British Columbia).
- Quick Mount Mfg. Co. Inc.**, 481 Sterling Place, Brooklyn 38, N.Y. Represented by: Ron Merritt Co., Vancouver 1, B.C.

## R

- RCA International Inc.**, Clark, N.J. Represented by: Lake Engineering Co. Ltd., Scarborough, Ont. R-J Audio Products, Inc., 80 Shore Rd., Port Washington, N.Y. Represented by: Charles W. Pointon Ltd., Rexdale, Ont.
- Racon Electric Co., Inc.**, 1261 Broadway, New York 1, N.Y. Represented by: General Sound & Theatre Equipment, Ltd., Toronto, Ont.
- Radiant-Philite**, 32-02 Queens Blvd., Long Island City, N.Y. Represented by: Verd-A-Ray Electric Products Ltd., Montreal 9, Que.
- Radiart Corporation**, 3455 Vega Ave., Cleveland, Ohio. Represented by: Charles W. Pointon Ltd., Rexdale, Ont.
- Radiart**, Indianapolis, Ind. Represented by: Radio Trade Supply Ltd., Toronto, Ont.
- Radiation Counter Laboratories, Inc.**, 5121 West Grove St., Skokie, Ill. Represented by: Electromechanical Products, Agincourt, Ont.
- Radiation, Inc.**, P.O. Box 37, Melbourne, Fla. Represented by: Radionics Ltd., Montreal, Que.
- Radiation Research Corp.**, 1114 First Ave., New York 21, N.Y. Represented by: Electrodesign, Montreal, Que.
- Radio Engineering Laboratories, Inc.**, 36-40 37th St., Long Island City, N.Y. Represented by: Ahearn and Soper Co. Ltd., Ottawa, Ont.
- Radio Frequency Co., Inc.**, 44-46 Park St., Medfield, Mass. Represented by: Elder Electronics, Burlington, Ont.
- Radio Frequency Laboratories, Inc.**, Powerville Rd., Boonton, N.J. Represented by: Instronics Ltd., Stittsville, Ont. Microwave Systems, Scarborough, Ont.
- Radio Industries Inc.**, 5225 North Ravenswood Ave., Chicago 40, Ill. and Des Plaines, Ill. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont. Automatic Coil Mfg. Ltd., Toronto 19, Ont.
- Radio Kits, Inc.**, 88-06 Van Wyck Expressway, Jamaica, N.Y. Represented by: Tequipment Mfg. Co. Ltd., London, Ont.
- Radio Materials Co.**, Division of P. R. Mallory & Co., Inc., 3325 N. California Ave., Chicago 18, Ill. Represented by: J. R. G. McVity & Co., Toronto 12, Ont.
- Radio Merchandise Sales, Inc.**, 2016 Bronxdale Ave., New York 62, N.Y. Represented by: Ben Manis Associates Reg'd, Montreal 29, Que.
- Radio Receptor Co., Inc.**, Subsidiary of General Instrument Corp., 240 Wythe Ave., Brooklyn 11, N.Y. Represented by: General Instrument — F. W. Sickles of Canada Ltd., Waterloo, Ont.
- Radio Receptor Co. Inc.**, 65 Gouverneur St., Newark, N.J. Represented by: Tequipment Mfg. Co. Ltd., London, Ont.
- Radio Specialists Co.**, 2620 Larimer St., Denver 5, Col. Represented by: Tele-Radio Systems Ltd., Toronto 9, Ont.
- Radio Specialty Mfg. Co.**, 2023 S.E. 6th Ave., Portland 14, Oregon. Represented by: RCA Victor Co. Ltd., Montreal 30, Que.
- Rahm Instruments Division**, American Machine & Metals Inc., 65 Rushmore St., Westbury, N.Y. Represented by: Brian Engineering Ltd., Montreal, Que.
- Railway Communications Inc.**, 9315 E. 59th St., Raytown 33, Mo. Represented by: Tele-Radio Systems Ltd., Toronto 9, Ont.
- Ram Electronics, Inc.**, 600 Industrial Ave., Paramus, N.J. Represented by: Tequipment Manufacturing Co. Ltd., London, Ont.
- Rapid Electric Co.**, 2881 Middletown Rd., Bronx 61, N.Y. Represented by: C. H. Smith Co., Montreal, Que.
- Rapid Electroplating Process Inc.**, 1414 S. Wabash Ave., Chicago 5, Ill. Represented by: George M. Fraser Ltd., Toronto 7, Ont.
- Rattray & Co., George**, Div. of Hardwick, Hindle, Inc., 116-08 Myrtle Ave., Richmond Hill 18, N.Y. Rep. by: John Herring & Co. Ltd., Toronto, Ont.
- Rauland-Borg Corp.**, 3535 W. Addison St., Chicago 18, Ill. Represented by: Atlantic Films & Electronics Ltd., St. John's, Newfoundland. Bedard-Girard Ltd., Montreal, Que. Canadian Electronics Ltd., Edmonton, Alta. G. Cuthbert, Audio Vision & Communications Co., Toronto, Ont. D & B Sound & Signals Inc., Montreal, Que. E.M.I.-Cossor (Canada) Ltd., Montreal, Que. Industrial & Institutional Communications Ltd., Wallacburg, Ont. Power & Mine Supply Co. Ltd., Winnipeg, Man.
- Raybestos-Manhattan, Inc.**, Manhattan Rubber Division, 61 Willett St., Passaic, N.J. Represented by: Raybestos-Manhattan (Canada) Ltd., Peterborough, Ont.
- Raypar, Inc.**, 7800 W. Addison St., Chicago 34, Ill. Represented by: Eric Jeanes, Winnipeg 10, Man.
- Raytheon Mfg. Co.**, 100 River St., Waltham, Mass. Represented by: Raytheon Canada Ltd., Waterloo, Ont. John R. Tilton Ltd., Toronto 9, Ont.

- Red Lake Laboratories, Mahopac, N.Y.** Represented by: Computing Devices of Canada Ltd., Ottawa, Ont.
- Reeve Electronics, Inc.,** 609 W. Lake St., Chicago 6, Ill. Represented by: Weld-O-Matic Machines, Ltd., Hamilton, Ont.
- Reeves Brothers Inc.,** New York, N.Y. Represented by: Railway & Power Engineering Corp., Ltd., Montreal, Que.
- Reeves Equipment Corp.,** 10 E. 52nd St., New York 22, N.Y. Represented by: Engineered Sound Systems Ltd., Toronto 18, Ont.
- Reeves Instrument Corp.,** Roosevelt Field, Garden City, N.Y. and 215 E. 91st St., New York 28, N.Y. Rep. by: Computing Devices of Canada, Ottawa 4, Ont. Douglas Randall (Canada) Ltd., Scarborough, Ont.
- Reeves Soundcraft Corp.,** Great Pasture Rd., Danbury, Conn. Represented by: A. T. R. Armstrong Ltd., Toronto 9, Ont. Ron Merritt Co., Vancouver 1, B.C.
- Reflectone Electronics Corp.,** Post Rd., Stamford, Conn. Represented by: MEL Sales Ltd., Toronto 12, Ont.
- Rek-O-Kut Co.,** 38-19 108th St., Corona 68, N.Y. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont. Jack Bass, Vancouver, B.C.
- Reon Resistor Corp.,** 117 Stanley Ave., Yonkers, N.Y. Rep. by: Precision Electronic Components (1956) Ltd., Toronto 19, Ont.
- Republic Manufacturing Co.,** Cleveland, Ohio. Represented by: Railway & Power Engineering Corp. Ltd., Montreal, Que.
- Research Instrument Co.,** Portland, Oregon. Represented by: Beechey Enterprises, Weston, Ont.
- Resinite Corp.,** 6980 N. Central Park Ave., Chicago 45 (Lincolnwood), Ill. Rep. by: E. W. Playford Ltd., Montreal, Que.
- Resistoflex Corp.,** Woodland Rd., Roseland, N.J. Represented by: Indufab Ltd., Toronto 1, Ont.
- Resistor Wholesalers Corp.,** 71 Murray St., New York, N.Y. Represented by: R. C. Kahnert Sales Ltd., Scarborough, Ont.
- Revere Corp. of America,** North Colony Rd., Wallingford, Conn. Represented by: Delta Aircraft Equipment Ltd., Toronto 12, Ont.
- Rezolin Inc.,** 1651-18th St., Santa Monica, Calif. Rep. by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.
- Rhein Sound Systems,** 133 Hamilton St., New Haven, Conn. Represented by: R. C. Kahnert Sales Ltd., Scarborough, Ont.
- Rhodes, Inc.,** M. H., 30 Bartholomew Ave., Hartford 6, Conn. Represented by: Sperry Gyroscope Ottawa Ltd., Ottawa, Ont.
- Rider Publisher, Inc.,** John F., 116 W. 14th St., New York 11, N.Y. Represented by: Chas. W. Poinon Ltd., Rexdale, Ont.
- Riggs Nuclonics Corp.,** 717 North Victoria Blvd., Burbank, Calif. Represented by: Allan Crawford Associates, Willowdale, Ont.
- Rigidized Metals Corp.,** 658 Ohio St., Buffalo, N.Y. Represented by: Railway & Power Engineering Corp., Ltd., Montreal, Que.
- Rinco, Inc.,** 7862 S.E. Powell Blvd., Portland 6, Oregon. Rep. by: Beechey Enterprises, Weston, Ont.
- Ritely Company Inc.,** Box 31, Factory St., Middletown, Conn. Represented by: John Herring & Company Ltd., Toronto, Ont.
- Ritwell Corp.,** 180 Varick St., New York, N.Y. Represented by: Samuel C. Hooker (Canada) Ltd., Montreal 28, Que.
- Robbins Aviation Inc.,** Los Angeles, Calif. Rep. by: Canavia Engineering & Sales Co., Malton, Ont. Found Bros. Aviation Ltd., Malton, Ont.
- Robertshaw-Fulton Controls Co.,** Aeronautical & Instrument Div., Santa Ana Freeway at Euclid Ave., Anaheim, Calif. Rep. by: Chemical & Industrial Sales Ltd., Edmonton, Alta. Keith Mercer Co. Ltd., Montreal 6, Que. Northern Columbia Process Equipment Ltd., North Vancouver, B.C.
- Robins Industries Corp.,** 36-27 Prince St., Flushing 54, N.Y. Represented by: E. S. Gould Sales Co., Montreal, Que.
- Robinson Technical Products, Inc.,** Teterboro Air Terminal, Teterboro, N.J. Represented by: Aviation Electric Ltd., Montreal 9, Que. Aviation Electric Pacific Ltd., Vancouver, B.C.
- Robotron Corp.,** 21300 W. Eight Mile Rd., Detroit 41, Mich. Represented by: Frank Army, Burlington, Ont.
- Rocke International Corp.,** 13 E. 40th St., New York, N.Y. Represented by: William T. Barron, Oakville, Ont.
- Rockford Screw Products Co.,** Rockford, Ill. Represented by: Railway & Power Engineering Corp. Ltd., Montreal, Que.
- Rockford Special Furniture Co.,** 2024 - 23rd Ave., Rockford, Ill. Represented by: Ron Merritt Co., Vancouver 1, B.C.
- Rockwell Manufacturing Co.,** 400 North Lexington Ave., Pittsburgh 8, Pa. Rep. by: Peacock Brothers Ltd., Montreal 3, Que.
- Rogers Electronics,** 49 Bleecker St., New York, N.Y. Rep. by: Active Radio & TV Ltd., Toronto, Ont.
- Rogerson Aircraft Co.,** Los Angeles, Calif. Rep. by: Airrite Components Co., Toronto 15, Ont.
- Rohn Manufacturing Co.,** 116 Limestone, Peoria 5, Ill. Represented by: Eric Jeanes, Winnipeg, Man. J. J. MacQuarrie Sales, Toronto 5, Ont. A. L. Whitehead, Ltd., Vancouver, B.C.
- Roller Bearing Co. of America,** The, Trenton, N.J. Rep. by: Philip French Sales Ltd., Montreal 16, Que.
- Ronan & Kunz, Brooks Airport,** Marshall, Mich. Represented by: Aviation Electric Ltd., Montreal 9, Que.
- Rosemount Engineering Co.,** 4900 W. 78th St., Minneapolis 24, Minn. Represented by: Garrett Manufacturing Corp. of Canada Ltd., Rexdale, Ont.
- Ross Laboratories,** Seattle, Wash. Represented by: Canadian Marconi Company, Montreal, Que.
- Rotating Components Inc.,** 267 Green St., Brooklyn 22, N.Y. Represented by: E. E. Whittaker, Ottawa, Ont.
- Rofron Manufacturing Co.,** 7-9 Schoonmaker Lane, Woodstock, N.Y. Represented by: The Hoover Company Ltd., Hamilton, Ont.
- Rubbercraft Corp. of California,** Torrance, Calif. Represented by: Rousseau Controls Ltd., Montreal 30, Que.
- Rubber & Asbestos Corp.,** 225 Belleville Ave., Bloomfield, N.J. Represented by: Canadian Bronze Powder Works, Ltd., Montreal, Que.
- Rue Products,** 1628 Venice Blvd., Venice Calif. Represented by: Taylor-Leisle & Engineering Corp. Ltd., Toronto, Ont.
- Ruge Associates, Inc.,** Arthur C., 733 Concord Ave., Cambridge 38, Mass. Represented by: Electromechanical Products, Agincourt, Ont.
- Rus Industrial Co.,** 130 Silver St., Manchester, N.H. Represented by: ARVA Inc., Vancouver 1, B.C. Elder Electronics, Burlington, Ont.
- Rutherford Electronics Co.,** 8944 Lindblade St., Culver City, Calif. Represented by: Aeromotive Engineering Products Ltd., Pointe Claire, Montreal 33, Que.
- Rytel Electronics Mfg. Co.,** 17538 Ventura Blvd., Encino, Calif. Represented by: Norris Burgess, Toronto 7, Ont.

**S**

- S & A Electronics Mfg. Co.,** 1025 Nevada St., Toledo, Ohio. Represented by: Norris Burgess, Toronto 7, Ont.
- SEC Electronics Co., Inc.,** 1778 Flatbush Ave., Brooklyn 10, N.Y. Represented by: Electroline TV Equipment, Inc., Montreal 26, Que.
- Safeway Heat Elements, Inc.,** 680 Newfield St., Middletown, Conn. Represented by: Railway & Power Engineering Corp. Ltd., Montreal, Que.
- Sage Electronics Corp.,** 302 North Goodman St., Rochester 7, N.Y. Represented by: Electromechanical Products, Agincourt, Ont.
- Sams & Co., Inc.,** Howard W., 2201 E. 46th St., Indianapolis 5, Ind. Represented by: A. C. Simmonds & Sons Ltd., Toronto 7, Ont.
- Sanborn Co.,** 175 Wyman St., Waltham 54, Mass. Rep. by: ARVA, Vancouver 1, B.C. (British Columbia, Alberta and Saskatchewan). R-O-R Associates Ltd., Don Mills, Ont. (All other provinces).
- Sanders Associates, Inc.,** 95 Canal St., Nashua, N.H. Represented by: MEL Sales Ltd., Toronto 12, Ont.
- Sanfer Bearings, Division of Chain Belt Co.,** Downers Grove, Ill. Represented by: R & M Bearings Canada Ltd., Montreal, Que.
- San Fernando Electric Mfg. Co.,** 1509 First St., San Fernando, Calif. Represented by: E. S. Gould Sales Co., Montreal 1, Que.
- Sangamo Electric Co.,** 1207 N. 11th St., Springfield, Ill. Rep. by: P. J. Heenan Ltd., Toronto 17, Ont. R. C. Kahnert Sales Ltd., Scarborough, Ont. D. Eldon McLennan Co., Vancouver 9, B.C.
- Sargent Co.,** E. H., 4647 W. Foster Ave., Chicago, Ill. Represented by: Tecneek Associates, Montreal 25, Que.
- Sargent Electric Corp.,** Division of Pyramid Instrument Corp., 630 Merrick Rd., Lynbrook, N.Y. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.
- Sargent-Raymont Co.,** 4926 E. 12th St., Oakland 1, Calif. Represented by: R. C. Kahnert Sales Ltd., Scarborough, Ont.
- Sarkes Tarzian, Inc.,** East Hillside Drive, Bloomington, Ind. Rep. by: A. T. R. Armstrong Ltd., Toronto, Ont. Marsland Engineering Ltd., Kitchener, Ont. Philco Corp. of Canada Ltd., Don Mills, Ont. Radio Trade Supply Ltd., Toronto, Ont.
- Sauereisen Cements Co.,** 1045 North Canal St., Pittsburgh 15, Pa. Rep. by: A. A. Anderson & Co. Ltd., Toronto, Ont.
- Savair Equipment Co.,** 13713 E. Ten Mile Rd., Detroit, Mich. Represented by: William Tregaskiss Sales Co., Windsor, Ont.
- Saxonboro Ceramics Inc.,** P.O. Box 100, Saxonburg, Pa. Represented by: Kerr-Machine Associates, Toronto 12, Ont.
- Saxton Products Inc.,** 4320 Park Ave., New York, N.Y. Rep. by: Ben Manis Associates Reg'd, Montreal 29, Que.
- Scala Radio Co.,** 2814 19th St., San Francisco 10, Calif. Rep. by: Jerrold Electronics (Canada) Ltd., Toronto 19, Ont.
- Schaevitz Engineering,** U.S. Route 130 and Schaevitz Blvd., Pennsauken, N.J. Rep. by: Electromechanical Products, Agincourt, Ont.
- Schaer Manufacturing Corp.,** 4523 Alpine Ave., Cincinnati 42, Ohio. Represented by: Pitt Distributing Co., Ltd., Toronto 2, Ont.
- Schutter Microwave Corp.,** Carl W., 80 E. Montauk Highway, Lindenhurst, L.I., N.Y. Rep. by: Dayrand Ltd., Montreal 6, Que.
- Science Electronics, Inc.,** 195 Massachusetts Ave., Cambridge 39, Mass. Rep. by: Stark Electronic Sales Co., Ajax, Ont.
- Scientific-Atlanta, Inc.,** 2162 Piedmont Rd., N.E., Atlanta 9, Ga. Represented by: Philips Electronics Industries Ltd., Industrial & Medical Equipment Div., Toronto 17, Ont. (All Canada except B.C.). Rush S. Drake Associates, Seattle 44, Wash. (B.C.).
- Scott Inc.,** H. H., 385 Putnam Ave., Cambridge 39, Mass. Rep. by: Tecneek Associates, Montreal 25, Que.
- Sea Gull Lighting Products Inc.,** 40 East Allen St., Philadelphia, Pa. Represented by: Verd-A-Ray Electric Products Ltd., Montreal 9, Que.
- Sealelectric Switch and Relay Corp.,** 6025 N. Keystone Ave., Chicago 46, Ill. Represented by: Airrite Components Co., Toronto 15, Ont.
- Seco Manufacturing Co.,** 5015 Penn Ave. South, Minneapolis 19, Minn. Rep. by: Daveco Agencies, Ltd., Montreal, Que. (Eastern Canada). Ron Merritt Co., Vancouver 1, B.C. (Western Canada).
- Secode Corp.,** 555 Minnesota St., San Francisco 7, Calif. Rep. by: Canadian Electronics Ltd., Edmonton, Alta. Westronic Engineering Sales (A Div. of L. A. Varah Ltd.), Vancouver 1, B.C.
- Seely Instruments Co. Inc.,** 377 4th St., Niagara Falls, N.Y. Represented by: Rousseau Controls Ltd., Montreal 30, Que.
- Semi-Elements, Inc.,** Saxonburg Blvd., Saxonburg, Pa. Rep. by: Active Radio & TV Ltd., Toronto 2B, Ont.
- Sensitive Research Instrument Corp.,** 310 Main St., New Rochelle, N.Y. Represented by: ARVA Inc., Vancouver, B.C. MEL Sales Ltd., Toronto 12, Ont.
- Sentry Co.,** The, 66 Main St., Foxboro, Mass. Represented by: Peacock Brothers Ltd., Montreal 3, Que.
- Service Instruments Corp.,** 121 Official Rd., Addison, Ill. Represented by: Active Radio & TV Ltd., Toronto, Ont.
- Servo Corporation of America,** 111 New South Rd., Hicksville, L.I., N.Y. Represented by: MEL Sales Ltd., Toronto 12, Ont.
- Servomechanisms, Inc.,** Mechatrol Division, 1200 Prospect Ave., Westbury, L.I., N.Y. Rep. by: Servomechanisms (Canada) Ltd., Rexdale, Ont.
- Servomechanisms, Inc.,** Subsystems Div., 125 Aviation Blvd., Hawthorne, Calif. Rep. by: Servomechanisms (Canada) Ltd., Rexdale, Ont.
- Shakeproof Division of Illinois Tool Works, St. Charles Rd.,** Elgin, Ill. Represented by: Shakeproof/Fastex Division, Canada Illinois Tools Ltd., Don Mills, Ont.
- Shallcross Mfg. Co.,** Preston St., Selma, N.C. Represented by: John Herring & Co. Ltd., Toronto 9, Ont. Instrument Service Labs. Ltd., Vancouver, B.C.
- Shamban & Co.,** W. S., 11617 W. Jefferson Blvd., Culver City, Calif. Represented by: Abercorn Aero Ltd., Montreal 29, Que.

- Shand & Jurs Co.**, 2600 Eighth St., Berkeley 5, Calif. Represented by: Lytle Engineering Specialties Ltd., Montreal and Toronto. P. D. McLaren & Sons Ltd., Calgary and Vancouver.
- Sheffield Corp.**, The Subsidiary of Bendix Aviation Corp., Box 893, Dayton 1, Ohio. Represented by: A. C. Wickman Ltd., Toronto 14, Ont.
- Shell Electronic Mfg. Corp.**, 1688 Utica Ave., Brooklyn 34, N.Y. Represented by: Robert J. Buckland Co., Chatham, Ont.
- Sherman Mfg. Co., H. M.**, 22 Barney St., Battle Creek, Mich. Represented by: Electronic Components Ltd., Toronto 18, Ont.
- Sherman Industrial Electronics**, Division of Engineering Design, Inc., Box 813, 601 W. College Ave., State College, Pa. Represented by: Electrodesign, Montreal, Que.
- Sherwood Electronic Laboratories**, Inc., 4300 N. California Ave., Chicago 18, Ill. Represented by: H. Roy Gray Ltd., Toronto 13, Ont. Ron Merritt Co., Vancouver, B.C.
- Shielding, Inc.**, 514 No. Read Ave., P.O. Box 59, Riverton, N.J. Represented by: Ben Manis Associates Reg'd, Montreal 29, Que. Stark Electronic Sales Co., Ajax, Ont.
- Shure Brothers, Inc.**, 222 Hartrey Ave., Evanston, Ill. Represented by: C. M. Robinson Co., Winnipeg 3, Man. A. C. Simmonds & Sons Ltd., Toronto 7, Ont.
- Shurite Meters, Inc.**, 130 Wallace St., New Haven 8, Conn. Rep. by: R. C. Kahnert Sales Ltd., Scarborough, Ont.
- Shur-Lok Corp.**, Anaheim, Calif. Represented by: Railway & Power Engineering Corp. Ltd., Montreal, Que.
- Sickles Division, F. W.**, General Instrument Corp., Box 300, 165 Front St., Chicopee, Mass. Represented by: General Instrument — F. W. Sickles of Canada Ltd., Waterloo, Ont. Tequipment Mfg. Co. Ltd., London, Ont.
- Sierra Electronic Corp.**, 3885 Bohannon Drive, Menlo Park, Calif. Represented by: Atlas Instrument Corp. Ltd., Toronto, Ont.
- Sigma Instruments, Inc.**, 170 Pearl St., South Braintree, Mass. Represented by: ARVA Inc., Vancouver 1, B.C. D. T. Shaw Company, Montreal 16, Que.
- Silicon Transistor Corp.**, Long Island, N.Y. Represented by: A. T. R. Armstrong Ltd., Toronto 9, Ont.
- Simmonds Aerocessories, Inc.**, 105 White Plains Rd., Tarrytown, N.Y. Represented by: Simmonds Aerocessories of Canada, Ltd., Hamilton, Ont.
- Simmons Fastener Corp.**, North Broadway, Albany 1, N.Y. Represented by: Aviquiplo of Canada Ltd., Montreal 25, Que.
- Simplex Co.**, The, Springfield, Ill. Represented by: Burlec Sales Ltd., Toronto 16, Ont.
- Simplex Time Recorder Co.**, Gardner, Mass. Represented by: Canadian Communication Systems, Calgary, Alta.
- Simpson Electric Co.**, 5200 W. Kinzie, Chicago, Ill. Represented by: Bach-Simpson Ltd., London, Ont.
- Simpson Mfg. Co. Inc.**, Mark, 32-28 49th St., Long Island City 3, N.Y. Represented by: Emerson Record Sales Ltd., Vancouver, B.C. McIntyre Agencies, Montreal, Que.
- Sipe and Co., James B.**, Pittsburgh 16, Pa. Represented by: General Communications Ltd., Toronto 16, Ont.
- Skinner Electric Valve Division**, 95 Edgewood Ave., New Britain, Conn. Represented by: Cowper Company Ltd., Montreal 32, Que. Dycon Ltd., Toronto 14, Ont. C. M. Lovsted & Co. (Canada) Ltd., Vancouver 9, B.C. Petro-Automation Industries, Ltd., Edmonton, Alta.
- Skinner Engine Co.**, Erie, Pa. Represented by: Peacock Brothers Ltd., Montreal 3, Que.
- Skydyne, Inc.**, River Rd., Port Jervis, N.Y. Represented by: Atlas Instrument Corp. Ltd., Toronto 19, Ont.
- Slip Ring Co. of America**, 5456 W. Washington Blvd., Los Angeles 16, Calif. Rep. by: E. S. Gould Sales Co., Montreal 1, Que.
- Sloan Co., The**, Burbank, Calif. Represented by: Micarta Fabricators Ltd., Toronto, Ont.
- Slug-Bit Supply Co.**, 9745-A Hines Blvd., P.O. Box 13405, Dallas 20, Texas. Represented by: J. R. G. McVity & Co., Toronto 12, Ont.
- Smith, Inc., Herman H.**, 2326 Nostrand Ave., Brooklyn 10, N.Y. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.
- Sola Electric Co.**, A Division of Basic Products Corp., Chicago 50, Ill. Rep. by: Sola Electric (Canada) Ltd., Toronto, Ont.
- Solar Manufacturing Corp.**, 4553 Seville Ave., Los Angeles 58, Calif. Represented by: William M. Hummel, Port Credit, Ont.
- Sonic Engineering Inc.**, Stamford, Conn. Represented by: Transonic Ltd., Ajax, Ont.
- Sonotone Corp.**, Electronic Applications Div., Elmsford, N.Y. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.
- Sony Superscope Inc.**, 8520 Tujunga Ave., Sun Valley, Calif. Represented by: Ron Merritt Co., Vancouver 1, B.C.
- Sorensen & Company, Inc.**, Richards Ave., South Norwalk, Conn. Represented by: ARVA, Vancouver 1, B.C. Bayly Engineering Ltd., Ajax, Ont.
- Soundolier Inc.**, P.O. Box 3848, St. Louis, Mo. Represented by: R. C. Kahnert Sales Ltd., Scarborough, Ont.
- SoundScriber Corp.**, The, 6 Middletown Ave., North Haven, Conn. Represented by: Blair-Behnsen Ltd., Vancouver, B.C. Calgary Typewriter & Office Supply Co., Calgary, Alta. General Stationery & Paper Ltd., Winnipeg, Man. Hazen Stationery & Office Equipment Co., Saskatoon, Sask. Fred Jenkins Co., Edmonton, Alta. Gerald Martineau, Quebec City, P.Q. N. Martineau & Son, Montreal, Que. Office Machines Ltd., St. John's, Newfoundland. John Pierce Holdings, Ltd., Toronto 2B, Ont. Soulls Ltd., Halifax, N.S.
- Southco Division, South Chester Corp.**, Lester, Pa. Rep. by: A. T. R. Armstrong Co., Toronto 9, Ont. Black Bros. Ltd., Vancouver 1, B.C. Metal and Wood Fastening Devices Co., Montreal 35, Que.
- Southern Electronics Corp.**, 150 W. Cypress Ave., Burbank, Calif. Represented by: Electrodesign, Montreal, Que.
- Southwestern Industrial Electronics Co.**, 10201 Westheimer Rd., P.O. Box 13058, Houston 19, Texas. Represented by: Radionics Ltd., Montreal 9, Que. SIE (Canada) Ltd., Calgary, Alta. Spadone-Alfa Corp. ("Metaline"), South Norwalk, Conn. Rep. by: R & M Bearings Canada Ltd., Montreal, Que.
- Spaulding Fibre Co. Inc.**, Tonawanda, N.Y. Represented by: Spaulding Fibre of Canada Ltd., Toronto 18, Ont.
- Spaulding Products Co.**, Frankfort, Ind. Represented by: Delhi Metal Products Ltd., Delhi, Ont.
- Specialty Engineering & Electronics Co. Ltd.**, 79 Clifton Place, Brooklyn 38, N.Y. Rep. by: Ahearn and Soper Company Ltd., Ottawa, Ont.
- Specific Products, P.O. Box 425**, Woodland Hills, Calif. Rep. by: Represented by: E. E. Whittaker, Ottawa, Ont.
- Spectrol Electronics Corp.**, 1704 South Del Mar Ave., San Gabriel, Calif. Rep. by: Payette Radio Ltd., Montreal, Que. E. E. Whittaker, Ottawa, Ont.
- Speer Resistor Division**, Speer Carbon Co., Theresa St., St. Mary's Pa. Represented by: Samuel C. Hooker (Canada) Ltd., Montreal 28, Que.
- Spencer-Kennedy Laboratories**, Inc., 1320 Soldiers Field Rd., Boston 35, Mass. Represented by: E.M.I.-Cossor Electronics Ltd., Montreal, Que.
- Sperry Products Inc.**, Shelter Rock Rd., Danbury, Conn. Represented by: W. M. Smith Co. Ltd., Burlington, Ont. Tatnall Measuring and Nuclear Systems, Toronto 16, Ont.
- Spivey Inc., James S.**, 4908 Hampden Lane, Washington 14, D.C. Rep. by: Domac Technical Sales, Ltd., Ottawa, Ont.
- Sprague International Ltd.**, P.O. Box 73, North Adams, Mass. Represented by: Micarta Fabricators Ltd., Toronto, Ont. (Sales to manufacturers). C. M. Robinson Co., Winnipeg 3, Man. (Distributor sales in Western Canada). John R. Tilton Ltd., Toronto 9, Ont. (Distributor sales in Eastern Canada).
- Spring Action Electric Inc.**, Easthampton, Mass. Rep. by: Fleck Mfg. Ltd., Tillsburg, Ont.
- Stackpole Carbon Co.**, St. Marys' Pa. Represented by: Canadian Stackpole Ltd., Toronto 14, Ont.
- Stancil-Hoffman Corp.**, 921 N. Highland Ave., Hollywood 38, Calif. Rep. by: Caldwell A/V Equipment Co. Ltd., Toronto 5, Ont.
- Standard Coil Products Co. Inc.**, 2085 N. Hawthorne Ave., Melrose Park, Ill. Represented by: Ron Merritt Co., Vancouver 1, B.C. Standard Coil Products (Canada) Ltd., Toronto 14, Ont.
- Standard Electrical Products Co.**, 2240 E. Third St., Dayton, Ohio. Represented by: John R. Tilton Ltd., Toronto 9, Ont.
- Stanwyck Winding Company Inc.**, 137-151 Walsh Ave., Newburgh, N.Y. Represented by: Stanwyck Coil Products Ltd., Hawkesbury, Ont.
- States Co., The**, 19 New Park Ave., Hartford 6, Conn. Rep. by: Filer Smith Co. Ltd., Winnipeg 2, Man. Irving Smith Ltd., Montreal 28, Que.
- Statham Development Corp.**, 12401 W. Olympic Blvd., Los Angeles, Calif. Rep. by: Electrolabs, Montreal, Que.
- Staver Co., Inc.**, The, 41-51 N. Saxon Ave., Bay Shore, N.Y. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.
- Stelma, Inc.**, 200 Henry St., Stamford, Conn. Represented by: Intronics Ltd., Stittsville, Ont.
- Stephens Truson Inc.**, 8538 Warner Drive, Culver City, Calif. Represented by: Ron Merritt Co., Vancouver 1, B.C.
- Sterling Industries Inc.**, 2741 Coral St., Philadelphia, Pa. Rep. by: Verd-A-Ray Electric Products Ltd., Montreal 9, Que.
- Sterling Mfg. Co.**, 7201 Wentworth Ave., Cleveland 2, Ohio. Rep. by: A. C. Simmonds & Sons Ltd., Toronto 7, Ont.
- Stevens-Arnold, Inc.**, 7 Elkins St., South Boston 27, Mass. Rep. by: John Herring & Co. Ltd., Toronto, Ont.
- Stevens Mfg. Co. Inc., Geo.**, 6022 N. Rogers Ave., Chicago 30, Ill. Represented by: A. W. Andrews & Associates, Port Credit, Ont.
- Stevens Manufacturing Co., Inc.**, P.O. Box 1007, Mansfield, Ohio. Represented by: R. W. Stark, Renfrew, Ont. (Provinces of Ontario and Que.). H. D. Campbell Co., Seattle 9, Wash. (British Columbia).
- Stever-Locke Specialties, Inc.**, N. Main St., Honeoye Falls, N.Y. Represented by: John S. Plewes Co., Toronto 9, Ont.
- Steward Mfg. Co., D. M.**, 3600 Jerrome, Chattanooga, Tenn. Represented by: The Glendon Co. Ltd., Toronto 1, Ont.
- Stimsonite Div. of Elastic Stop Nut Corp.**, Chicago 11, Rep. by: Gasaccumulator Co. (Canada) Ltd., Toronto 16, Ont.
- Stoddart Aircraft Radio Co., Inc.**, 6644 Santa Monica Blvd., Hollywood 38, Calif.
- Stratos Corp.**, Farmingdale, N.Y. Represented by: Railway & Power Engineering Corp., Ltd., Montreal, Que.
- Stromberg-Carlson Co.**, Div. of General Dynamics Corp., 100 Carlson Rd., Rochester N.Y. Represented by: Hackbusch Electronics Ltd., Toronto 4, Ont.
- Stromberg Time Corp.**, 135 Main St., Thomaston, Conn. Rep. by: Automatic Electric Sales (Canada) Ltd., Toronto 16, Ont.
- Strong Electric Corp.**, The, 87 City Park Ave., Toledo 1, Ohio. Represented by: Aircraft Appliances & Equipment Ltd., Weston, Ont.
- Struthers-Dunn Inc.**, Lambs Rd., Pitman, N.J. Represented by: Struthers-Dunn Relays, Division of Renfrew Electric Co. Ltd., Toronto, Ont.
- Sturtevant Co., P. A.**, Addison, Ill. Represented by: Gray Bonney Tool Co., Ltd., Toronto 4, Ont. Monahan Supply Corp. Ltd., Toronto, Ont.
- Suprex Electronics Corp.**, 4 Radford Place, Yonkers, N.Y. Represented by: Wm. Cohen Ltd., Montreal, Que. (All Canada except British Columbia). Roger M. Minthorne Co., Portland 19, Oregon (British Columbia).
- Superior Air Products Co.**, 132 Malvern St., Newark 5, N.J. Represented by: Aviation Electric Ltd., Montreal 9, Que.
- Superior Electric Co., The**, 83 Laurel St., Bristol, Conn. Represented by: The American Superior Electric Co., Ltd., Toronto 18, Ont. Canadian Electronics Ltd., Edmonton, Alta.
- Superior Tube Co.**, Norristown, Pa. Represented by: Alloy Metal Sales Ltd., Toronto, Ont.
- Superite Instrument Corp.**, 7 Mayflower Place, Floral Park, L.I., N.Y. Represented by: John Herring & Co. Ltd., Toronto 9, Ont.
- Sutton Electronics Co.**, 2415 Nicholasville Rd., Lexington, Ky. Represented by: Norris Burgess, Toronto 7, Ont. Swartwout Co., Cleveland, Ohio. Represented by: CIS-CAN Chemical & Industrial Sales Ltd., Edmonton, Alta.
- Swing-O-Lite Inc.**, 13 Monachie Rd., Haekensack, N.J. Rep. by: Robert J. Buckland Co., Chatham, Ont.
- Switchcraft, Inc.**, 5555 N. Elston Ave., Chicago 30, Ill. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Wiveller Co. Inc.**, 30 Irving Place, New York 3, N.Y. Rep. by: Verd-A-Ray Electric Products Ltd., Montreal 9, Que.

**Wylvana Electric Products Inc.**, Electronics Div., 100 Sylvan Rd., Woburn, Mass. Represented by: Hackbusch Electronics Ltd., Toronto 4, Ont.

**Symphonic Radio & Electronic Corp.**, Coliseum Tower, 10 Columbus Circle, New York 19, N.Y. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Syntron Co.**, 263 Lexington Ave., Iomer City, Pa. Represented by: Syntron (Canada) Ltd., Stony Creek, Ont.

**Syntron Corp.**, 2055 Concord Blvd., Concord, Calif. Represented by: Electrodesign, Montreal, Que.

## T

**TV Development Corp.**, 187-61 Hollis Ave., Jamaica 23, N.Y. Represented by: Norris Burgess, Toronto 7, Ont.

**Taber Instrument Corp.**, 111 Goundry St., North Tonawanda, N.Y. Rep. by: Conway Electronic Enterprises Reg'd, Toronto, Ont.

**Talk-A-Phone Co.**, 512 S. Pulaski Rd., Chicago 23, Ill. Represented by: Industrial & Institutional Communications Ltd., Wallacburg, Ont.

**Taller and Cooper, Inc.**, Div. of American Electronics, 75 Front St., Brooklyn 1, N.Y. Represented by: Atlas Instrument Corp. Ltd., Toronto 19, Ont. General Communications Ltd., Toronto 16, Ont.

**Tape-Athons Music, Inc.**, 523 South Hindry Drive, Inglewood, Calif. Represented by: E. S. Gould Sales Co., Montreal 1, Que. Industrial & Institutional Communications Ltd., Wallacburg, Ont.

**Tapephone, Inc.**, 10 Ardlock Place, Webster, Mass. Represented by: Robert J. Buckland Co., Chatham, Ont.

**Tatnal Measuring Systems**, P.O. Box 245, Phoenixville, Pa. Represented by: Tatnal Measuring and Nuclear Systems, Toronto 16, Ont.

**Taurus Corp.**, 8 Coryell St., Lambertville, N.J. Rep. by: Douglas Randall (Canada) Ltd., Scarborough, Ont.

**Taylor Electric, Inc.**, 15400 Dale Ave., Detroit 23, Mich. Rep. by: The Glendon Company Ltd., Toronto 1, Ont.

**Taylor-Emmett Controls, Inc.**, 145 E. Turkeyfoot Lake Rd., P.O. Box 728, Akron 9, Ohio. Represented by: Taylor Instrument Companies of Canada Ltd., Toronto 19, Ont.

**Taylor Fibre Co.**, Box 471, Norristown, Pa. Represented by: A. A. Anderson & Co. Ltd., Toronto 18, Ont.

**Taylor Spring & Mfg. Co., Inc.**, 7830 S. Oakley Ave., Chicago 20, Ill. Represented by: The Glendon Company Ltd., Toronto 1, Ont.

**Taylor Winfield Corp.**, 1052 Mahoning, N.W., Warren, Ohio. Represented by: Mawer Sales Ltd., Oakville, Ont. Geo. T. White Co. Ltd., Walkerville, Ont.

**Tech Laboratories, Inc.**, Bergen and Edsall Blvds., Palisades Park, N.J. Represented by: A. Deskin Sales Co., St. Martin, Montreal 40, Que.

**Tech-Master Corp.**, 75 Front St., Brooklyn 1, N.Y. Represented by: Ben Mamis Associates Reg'd, Montreal 29, Que.

**Technibilt Corp.**, 905 Air Way, Glendale 1, Calif. Represented by: Bayly Engineering Ltd., Ajax, Ont.

**Technical Appliance Corp.**, 1 Taco St., Sherburne, N.Y. Represented by: Hackbusch Electronics Ltd., Toronto 4, Ont.

**Technical Material Corp.**, 700 Fenimore Rd., Mamaroneck,

N.Y. Represented by: T.M.C. (Canada) Ltd., Ottawa, Ont.

**Technical Measurement Corp.**, 441 Washington Ave., North Haven, Conn. Rep. by: Allan Crawford Associates, Willowdale, Ont.

**Technical Products Co.**, Instrument Div., 6870 Lexington Ave., Los Angeles 38, Calif. Represented by: R-O-R Associates Ltd., Don Mills, Ont.

**Technical Services Inc.**, 30865 Five Mile Rd., Livonia, Mich. Represented by: Caldwell A/V Equipment Co. Ltd., Toronto 5, Ont.

**Technicraft Laboratories, Inc.**, Thomaston, Conn. Rep. by: Microwave Systems, Scarborough, Ont.

**Technique Associates Inc.**, 1413 N. Cornell Ave., Indianapolis, Ind. Represented by: Thermovolt Instruments Ltd., Toronto 18, Ont.

**Technology Instrument Corp.**, 531 Main St., Acton, Mass. Represented by: MEL Sales Ltd., Toronto 12, Ont.

**Tektronix, Inc.**, P.O. Box 831, Portland 7, Oregon. Rep. by: Tektronix, Inc., Willowdale, Ont.

**Tel Autograph Corp.**, 8700 Belanca Ave., Los Angeles 45, Calif. Represented by: Automatic Electric Sales (Canada) Ltd., Toronto 16, Ont.

**Telectro Industries**, 35-18 37th St., Long Island City 1, N.Y. Rep. by: Douglas Randall (Canada) Ltd., Scarborough, Ont.

**Telectronic Corp.**, 35-18 37th St., Long Island City 1, N.Y. Rep. by: R. C. Kahnert Sales Ltd., Scarborough, Ont.

**Telematics, Inc.**, Carillon Bell Division, 11535 Franklin Ave., Franklin Park, Ill. Rep. by: Hackbusch Electronic Ltd., Toronto 4, Ont.

**Telephonics Corp.**, Park Ave., Huntington, N.Y. Represented by: Sperry Gyroscope Ottawa Ltd., Ottawa, Ont.

**Telerad Manufacturing Corp.**, 1440 Broadway, New York 18, N.Y. Represented by: Intronics Ltd., Stittsville, Ont.

**Teletronics Inc.**, 54 Kinkel St., Westbury, L.I., N.Y. Rep. by: Computing Devices of Canada Ltd., Ottawa, Ont.

**Television Specialty Co.**, 350 West 31st St., New York 1, N.Y. Represented by: Caldwell A/V Equipment Co. Ltd., Toronto 5, Ont.

**Television Utilities Corp.**, 112-33 Colonial Ave., Corona 68, N.Y. Represented by: Canadian Marconi Company, Montreal, Que. Electroline Television Equip. Inc., Montreal 26, Que.

**Telex, Inc.**, Telex Park, St. Paul, Minn. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Tel-Instrument Electronics Corp.**, 728 Garden St., Carlstadt, N.J. Represented by: Atlas Instrument Corp. Ltd., Toronto 19, Ont.

**Telonic Engineering Corp.**, 773 Broadway, Laguna Beach, Calif. Represented by: E. E. Whitaker, Ottawa, Ont.

**Telon Industries, Inc.**, 60 N. First Ave., Beech Grove, Ind. Represented by: E. E. Whitaker, Ottawa, Ont.

**Telrex Labs.**, Route 35, Asbury Park, N.J. Represented by: Delhi Metal Products Ltd., Delhi, Ont.

**Tempo Instrument Inc.**, 6 Commercial St., P.O. Box 338, Hicksville, L.I., N.Y. Rep. by: Electrodesign, Toronto, Ont.

**Yenny Engineering, Inc.**, 1090 Springfield Rd., Union, N.J. Represented by: J. H. Lock & Sons, Ottawa and Toronto.

**Tensolite Insulated Wire Co., Inc.**, West Main St., Tarrytown, N.Y. Represented by: Canada Wire & Cable Co., Ltd., Toronto 17, Ont. Andrew Gilchrist Ltd., St. Laurent, Que.

**Terado Company**, 1068 Raymond Ave., St. Paul 8, Minn. Rep. by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Texan Translator & TV Network**, 438 E. Crockett St., San Antonio 2, Texas. Represented by: Electroline Television Equip. Inc., Montreal 26, Que.

**Texas Crystals Div.**, 8538 Grand Ave., River Grove, Ill. Rep. by: Robert J. Buckland Co., Chatham, Ont.

**Texas Instruments Incorporated**, 6000 Lemmon Ave., Dallas 9, Texas. Represented by: Intronics Ltd., Stittsville, Ont.

**Texas Instruments Incorporated**, Industrial Instrumentation Div., P.O. Box 6027, 3609 Buffalo Speedway, Houston, Texas. Represented by: Intronics Ltd., Stittsville, Ont.

**Texas Instruments Incorporated**, Semiconductor-Components Div., 13500 Central Expressway, Dallas, Texas. Represented by: Paul Zuk (Resident Sales Engineer), 16 Joseph St., Streetsville, Ont.

**Thermal Wire of America**, Keeler's Bay, South Hero, Grand Isle, Vt. Represented by: William H. Hummel, Port Credit, Ont.

**Thermax Wire Corp.**, 304 East 45th St., New York 17, N.Y. Represented by: William M. Hummel, Port Credit, Ont.

**Thermistor Division**, Gulton Industries Inc., Metuchen, N.J. Represented by: Titania Electric Corp. of Canada Ltd., Gananoque, Ont.

**Thermon Manufacturing Co.**, Houston, Texas. Represented by: CIS-CAN Chemical & Industrial Sales Ltd., Edmonton, Alta.

**Theta Instrument Corp.**, 48 Pine St., East Paterson, N.J. Rep. by: Electrodesign, Montreal, Que.

**Thomas Electronics, Inc.**, 118 Ninth St., Passaic, N.J. Represented by: L. M. Price, Toronto 7, Ont.

**Thompson Fiber Glass Co., H. I.**, 1733 Cordova St., Los Angeles 7, Calif. Represented by: Railway & Power Engineering Corp. Ltd., Montreal, Que. H. I. Thompson Co. of Canada Ltd., Guelph, Ont.

**Thordarson-Meissner**, 7th and Belmont Ave., Mt. Carmel, Ill. Represented by: Ron Merritt Co., Vancouver 1, B.C. Charles W. Pointon Ltd., Rexdale, Ont.

**Thorens Co.**, Thorens Ave., New Hyde Park, N.Y. Rep. by: Stark Electronic Sales Co., Ajax, Ont.

**Tigerman Engineering Co.**, 4332 N. Western Ave., Chicago 18, Ill. Represented by: General Communications Ltd., Toronto 16, Ont.

**Times Wire and Cable Co.**, 358 Hall Ave., Wallingford, Conn. Represented by: Jerrold Electronics (Canada) Ltd., Toronto 19, Ont.

**Tinnerman Corp., Geo. A.**, Cleveland, Ohio. Represented by: Dominion Fasteners Ltd., Hamilton, Ont.

**Tinnerman Products, Inc.**, P.O. Box 6688, Cleveland 1, Ohio. Represented by: Dominion Fasteners Ltd., Hamilton, Ont.

**Torsion Balance Co.**, 35 Monhegan St., Clifton, N.J. Represented by: Constellation Components Co., Scarborough, Ont.

**Tatnal Measuring and Nuclear Systems**, Toronto 16, Ont.

**Tower Construction Co.**, 2700 Hawkeye Drive, Sioux City 2, Iowa. Represented by: Micro-Tower Ltd., Scarborough, Ont.

**Trad Electronics Corp.**, 1001 First Ave., Asbury Park, N.J. Represented by: MEL Sales Ltd., Toronto 12, Ont.

**Trade Corp.**, 17136 Ventura Blvd., Encino, Calif. Represented by: Computing Devices of Canada Ltd., Ottawa, Ont.

**Transco Products, Inc.**, 12210 Nebraska Ave.,

Los Angeles 25, Calif. Rep. by: Delta Aircraft Equipment Co., Toronto 12, Ont.

**Transelite Manufacturing Co.**, P.O. Box 335, Oxford, Pa. Rep. by: Telecom Ltd., Toronto 2, Ont.

**Transistor Electronics Corp.**, 3357 Republic Ave., Minneapolis 26, Minn. Rep. by: Lake Engineering Co. Ltd., Scarborough, Ont.

**Transitron Electronic Corp.**, 168-182 Albion St., Wakefield, Mass. Represented by: Adams Engineering Ltd., Montreal, Que.

**Trans-Sil Corp.**, 55 Honeck St., Englewood, N.J. Represented by: Taylor-Leslie & Engineering Corp. Ltd., Toronto, Ont.

**Transval Engineering Corp.**, 10401 W. Jefferson Blvd., Culver City, Calif. Represented by: Canadian Applied Research Ltd., Toronto 16, Ont.

**Triad Transformer Corp.**, 4055 Redwood Ave., Venice, Calif. Represented by: R. C. Kahnert Sales Ltd., Scarborough, Ont. E. Eldon McLennan Sales Co. Ltd., Vancouver 9, B.C.

**Trico Fuse Mfg. Co.**, 2948 N. 5th St., Milwaukee 12, Wis. Represented by: Irving Smith Ltd., Montreal 28, Que.

**Tri-Ex Tower Corp.**, 127 E. Inyo St., Tulare, Calif. and 406 W. 34th St., Kansas City, Mo. Rep. by: Charles L. Thompson Ltd., North Vancouver, B.C.

**Trimm, Inc.**, 400 W. Lake St., Libertyville, Ill. Represented by: Charles W. Pointon Ltd., Rexdale, Ont.

**Trio Laboratories, Inc.**, DuPont Drive, Plainview, L.I., N.Y. Represented by: Tecneck Associates, Montreal 25, Que.

**Triple-A Specialty Co.**, 2835 N. Western, Chicago 27, Ill. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Triplett Electrical Instrument Co.**, The Harmon Rd., Bluffton, Ohio. Represented by: Len Finkler Ltd., Toronto 12, Ont. Radio Trade Supply Ltd., Toronto, Ont. C. M. Robinson Co., Winnipeg 3, Man.

**Tru-Ohm Products Division**, Model Engineering & Mfg. Inc., 2800 N. Milwaukee Ave., Chicago 18, Ill. Represented by: A. T. R. Armstrong Ltd., Toronto 9, Ont.

**Tullamore Electronics Corp.**, (A Subsidiary of the Victoreen Instrument Co.), 6726 S. Ashland Ave., Chicago 36, Ill. Rep. by: Radionics Ltd., Montreal, Que.

**Tung-Sol Electric, Inc.**, 95 Eighth Ave., Newark 4, N.J. Represented by: Abbey Electronics Ltd., Downsview, Ont.

**Turner Co., The**, 907 - 17th St., N.E., Cedar Rapids, Iowa. Rep. by: Canadian Marconi Co., Electronic Tube & Components Div., Toronto 17, Ont.

## U

**Ucinite Co.**, Div. of United-Carr Fastener Corp., 459 Watertown St., Newtonville 60, Mass. Rep. by: United-Carr Fastener Co. of Canada Ltd., Hamilton, Ont.

**Ultradyne, Inc.**, 2624 San Mateo Blvd., N.E., Albuquerque, N.M. Represented by: Electrodesign, Montreal, Que.

**Ultra-Violet Products, Inc.**, 5114 Walnut Grove Ave., San Gabriel, Calif. Rep. by: Electronic Associates Ltd., Willowdale, Ont.

**Underwood-Canoga**, 15330 Oxnard St., P.O. Box 550, Van Nuys, Calif. Represented by: Electroline Television Equip. Inc., Montreal 26, Que.

**Ungra Electric Tools, Inc.**, 4101 Redwood Ave., Los Angeles 56, Calif. Rep. by: Ungar of Canada, Toronto 13, Ont.

Unimax Switch Division,  
The W. L. Maxson Corp., Ives Rd.,  
Wallingford, Conn. Rep. by:  
Aeromotive Engineering  
Products Ltd.,  
Pointe Claire, Montreal 33, Que.

Union Electric Products Co.,  
24 Edison Place, Newark, N.J.  
Represented by:  
J. C. E. Mitchell Electronics,  
Toronto 3, Ont.

Union Electronics & Machine  
Corp., 71 Broadway, Wakefield,  
Mass. Represented by:  
A. Deskin Sales Co., St. Martin,  
Montreal 40, Que.

United Aircraft Products, Inc.,  
1116 Bolander Ave., Dayton, Ohio.  
Represented by:  
United Aircraft Products, Ltd.,  
Pointe Claire, Que.

United-Carr Fastener Corp.,  
31 Ames St., Cambridge 42, Mass.  
Represented by:  
United-Carr Fastener Co. of  
Canada Ltd., Hamilton, Ont.

United Electronic Manufacturing  
Corp., 542-39th St., Union City,  
N.J. Represented by:  
Desser E-E Ltd., Montreal, Que.

United Electronics Co., 42 Spring  
St., Newark 4, N.J. Rep. by:  
Ahearn and Soper Co. Ltd.,  
Ottawa, Ont.

U.S. Components Inc., 454 E. 148th  
St., New York 55, N.Y. Rep. by:  
J. J. MacQuarrie Sales,  
Toronto 5, Ont.

United States Electrical Tool Co.,  
The, 3640 Llewellyn St.,  
Cincinnati 23, Ohio. Rep. by:  
Hope Machinery Co.,  
Toronto 2, Ont.

U.S. Engineering Corp.,  
Long Island City 1, N.Y. Rep. by:  
John Best Co., Islington, Ont.

United States Gauge Division,  
American Machine & Metals, Inc.,  
Sellersville, Pa. Represented by:  
Brian Engineering, Ltd.,  
Montreal 29, Que.

Carriere & MacPeeters Ltd.,  
Scarborough, Ont.

U.S. Gear Corp., 81 Bay State Rd.,  
Wakefield, Mass. Represented by:  
Douglas Randall (Canada) Ltd.,  
Scarborough, Ont.

United States Motors Corp.,  
Oshkosh, Wis. Represented by:  
Atlas Polar Company Ltd.,  
Toronto, Ont.

United States Radium Corp.,  
P.O. Box 246, Morristown, N.J.  
Represented by:  
Radelin, Ltd., Port Credit, Ont.

U.S. Semiconductors Products,  
Div. of Topp Industries, Inc.,  
3540 West Osborn Rd., Phoenix,  
Arizona. Represented by:  
E. E. Whittaker, Ottawa, Ont.

Unit Process Assemblies, Inc.,  
61 East 4th St., New York 3, N.Y.  
Represented by:  
Alloycraft, Ltd., Westmount,  
Montreal 6, Que.

Armaltite Company Ltd.,  
Toronto 6, Ont.

Canadian Hanson & Van Winkle,  
Toronto 3, Ont.

Universal Atomic Corp.,  
17 Brooklyn Ave., Westbury,  
L.I., N.Y. Represented by:  
Conway Electronics Enterprises  
Reg'd, Toronto 10, Ont.

Universal Electric Co.,  
300 East Main St., Owosso, Mich.  
Represented by:  
Dominion Electrohme  
Industries Ltd., Kitchener, Ont.

Universal Electronics Co.,  
1720 Twenty-Second St., Santa  
Monica, Calif. Represented by:  
Electromation Ltd.,  
Malvern, Ont.

Universal Pole Bracket Corp.,  
P.O. Box 8454, Houston 4, Texas.  
Represented by:  
General Communications Ltd.,  
Toronto 16, Ont.

Universal Transistor Products  
Corp., 17 Brooklyn Ave.,  
Westbury, L.I., N.Y. Rep. by:  
Conway Electronic Enterprises  
Reg'd, Toronto 10, Ont.

V-M Corporation, 4th & Park Sts.,  
Benton Harbor, Mich. Rep. by:  
Seabreeze Sales Ltd.,  
Toronto 18, Ont.

Vaco Products Co., 317 E. Ontario  
St., Chicago 11, Ill. Rep. by:  
Atlas Radio Corp. Ltd.,  
Toronto 19, Ont.

Valentino, Inc., Thomas J.,  
150 West 46th St., New York City,  
N.Y. Represented by:  
Instantaneous Recording  
Service (A Div. of E. J. Piggott  
Enterprises, Ltd.)  
Toronto 1, Ont.

Valor Instruments, Inc.,  
13214 Crenshaw Blvd., Gardena,  
Calif. Represented by:  
Don H. Burcham Co., Portland 8,  
Oregon (British Columbia).  
A. Deskin Sales Co., St. Martin,  
Montreal 40, Que.

Valverde Laboratories,  
252 Lafayette St., N.Y. 12, N.Y.

Vandusen Aircraft Supplies,  
Teterboro Air Terminal,  
Teterboro, N.J. Represented by:  
Aviation Electric Ltd.,  
Montreal 9, Que.

Vanguard Instruments Inc.,  
Valley Stream, N.Y. Rep. by:  
Computing Devices of Canada  
Ltd., Ottawa, Ont.

Van Norman Industries, Inc.,  
Electronics Division, 186 Granite  
St., Manchester, N.H. Rep. by:  
Electrodesign, Montreal, Que.

Vapor Recovery Systems Co.,  
2829 N. Alameda St., Compton,  
Calif. Represented by:  
Peacock Brothers Ltd.,  
Montreal 3, Que.

Variflex Corp., 512 W. Court St.,  
Rome, N.Y. Represented by:  
Mica Company of Canada,  
Hull, Que.

Varian Associates,  
611 Hansen Way, Palo Alto, Calif.  
Represented by:  
Varian Associates of Canada  
Ltd., Georgetown, Ont.

Vari-L Company, Inc., 432 Fairfield  
Ave., Stamford, Conn. Rep. by:  
Electrodesign, Montreal, Que.

Veeco Vacuum Corp., 86 Denton  
Ave., New Hyde Park, L.I., N.Y.  
Represented by:  
Radionics Ltd., Montreal 9, Que.

Vibro Ceramics Division,  
Gulfon Industries Inc.,  
Metuchen, N.J. Represented by:  
Titan Electric Corp. of Canada  
Ltd., Gananogue, Ont.

Vickers Inc., Electric Products  
Division, 1815 Locust St.,  
St. Louis 3, Mo. Represented by:  
General Welding & Industrial  
Supplies Ltd., Toronto, Ont.

Industrial Electronics of  
Canada, Div. of C. C. Meredith  
& Co. Ltd., Streetsville, Ont.

Vickers-Sperry of Canada, Ltd.,  
Toronto 18, Ont.

Williams & Wilson Ltd.,  
Montreal 3, Que.

Victoreen Instrument Co.,  
5806 Hough Ave., Cleveland 3,  
Ohio. Represented by:  
ARVA Inc., Vancouver 1, B.C.

Radionics Ltd., Montreal 9, Que.

Vidaire Electronics Mfr. Corp.,  
44 Church St., Baldwin, N.Y.  
Represented by:  
Norris Burgess, Toronto 7, Ont.

Viking of Minneapolis,  
9600 Aldrich Ave. S.,  
Minneapolis 20, Minn. Rep. by:  
Alex L. Clark Ltd.,  
Islington, Ont.

Vis-U-All Products Co.,  
640 Eastern Ave. S.E.,  
Grand Rapids 6, Mich. Rep. by:  
Desser E-E Ltd.,  
Montreal 1, Que.

Vitramon, Inc., P.O. Box 544,  
Bridgeport 1 Conn. Rep. by:  
Aeromotive Engineering  
Products Ltd., Pointe Claire,  
Montreal 33, Que.

V

Vokar Products, Inc.,  
201 Catherine St., Ann Arbor,  
Mich. Represented by:  
Desser E-E Ltd.,  
Montreal 1, Que.

W

Wakmann Watch Co. Inc.,  
15 W. 47th St., New York 36, N.Y.  
Represented by:  
Brian Engineering Ltd.,  
Montreal, Que.

Waldom Electronics Inc.,  
4625 W. 53rd St., Chicago 32, Ill.  
Represented by:  
Active Radio & TV Ltd.,  
Toronto 2B, Ont.

Waldron Corp., John,  
P.O. Box 791, New Brunswick,  
N.J. Represented by:  
Peacock Brothers Ltd.,  
Montreal 3, Que.

Walkirt Co., 141 W. Hazel St.,  
Inglewood 3, Calif. Rep. by:  
Willard Spenser Co.,  
Windsor, Ont.

Wall Mfg. Co., P., Erie St.,  
Grove City, Pa. Represented by:  
Jewel Sales Co., Montreal, Que.

Walsco Electronics Mfg. Co.,  
Division of Textron Inc., 100 West  
Green St., Rockford, Ill. Rep. by:  
Atlas Radio Corp. Ltd.,  
Toronto 19, Ont.

Waltham Electronics Corp.,  
751 Main St., Waltham, Mass.  
Represented by:  
Conway Electronic Enterprises  
Reg'd, Toronto 10, Ont.

Waltham Horological Corp.,  
395 Lynnway, Lynn, Mass.  
Represented by:  
Ben Manis Associates Reg'd,  
Montreal 29, Que.

Wama Company, The,  
Baltimore, Md. Represented by:  
Bulrec Sales Ltd.,  
Toronto 16, Ont.

Ward Leonard Electric Co.,  
115 MacQuesten Parkway South,  
Mount Vernon, N.Y. Rep. by:  
Ward Leonard of Canada, Ltd.,  
Toronto 16, Ont.

Ward Products Corp., Edson St.,  
Amsterdam, N.Y. Represented by:  
Atlas Radio Corp. Ltd.,  
Toronto 19, Ont.

Radio Components Ltd.,  
Toronto 19, Ont.

Warren & Co., Jay L., Chicago, Ill.  
Represented by:  
Engineered Sound Systems Ltd.,  
Toronto 18, Ont.

Warrick Co., C. F.,  
1964 West Eleven Mile Rd.,  
Berkley, Mich. Represented by:  
Davis Automatic Controls Ltd.,  
Toronto 18, Ont.

Wassco Electric Products Corp.,  
St. Petersburg, Fla. Rep. by:  
John Best Co., Islington, Ont.

Waterbury Pressed Metal Co.,  
The, 300 Chase Ave.,  
Waterbury 14, Conn. Rep. by:  
Pfeiffer Electronic Laboratories,  
Trenton, Ont.

Waterman Products Co., Inc.,  
2445 Emerald St., Philadelphia 25,  
Pa. Represented by:  
Aviation Electric Ltd.,  
Montreal 9, Que.

Aviation Electric Pacific Ltd.,  
Vancouver, B.C.

Waters Manufacturing, Inc.,  
Box 368, South Sudbury, Mass.  
Represented by:  
M. J. Howard & Co. Ltd.,  
Ottawa, Ont.

Waukesha Motor Co., Waukesha,  
Wis. Represented by:  
Atlas Polar Company Ltd.,  
Toronto, Ont.

Waveguide, Inc., 14837 Oxnard St.,  
Van Nuys, Calif. Represented by:  
Railway & Power Engineering  
Corp., Ltd., Montreal 30, Que.

Webb Industries Inc.,  
Bay Village, Ohio. Rep. by:  
R. J. Showalter, Calgary, Alta.

Weinschel Engineering & Mfg.  
Corp., 10503 Metropolitan Ave.,  
Kensington, Md. Rep. by:  
Atlas Instrument Corp. Ltd.,  
Toronto 19, Ont.

Allan Crawford Associates,  
Willowdale, Ont.

Weich Scientific Co., W. M.,  
1515 Sedgwick St., Chicago 10, Ill.  
Represented by:  
Electrolabs, Montreal, Que.

Weidmatic, Div. of Unitek Corp.  
380 N. Halstead Ave., Pasadena,  
Calif. Represented by:  
MEL Sales Ltd.,  
Toronto 12, Ont.

Weller Electric Corp., Box 345,  
Easton, Pa. Represented by:  
A. C. Simmonds & Sons Ltd.,  
Toronto 7, Ont.

Wellesley Engineers, 104 Russell  
St., Waltham 54, Mass. Rep. by:  
William M. Hummel,  
Port Credit, Ont.

Wells Industries Corp.,  
North Hollywood, Calif. Rep. by:  
Canavia Engineering & Sales  
Co., Malton, Ont.

Found Bros. Aviation Ltd.,  
Malton, Ont.

Wells Inc., Martin, 5888 Compton  
Ave., Los Angeles, Calif. Rep. by:  
James B. Carter Ltd.,  
Winnipeg, Man.

Wetronic Co., 19500 West Eight  
Mile Rd., Detroit 41, Mich.  
Represented by:  
William Tregaskiss Sales Co.,  
Windsor, Ont.

Wendell Plastic Fabrics Corp.,  
1220 Broadway, New York 1, N.Y.  
Represented by:  
J. J. MacQuarrie Sales,  
Toronto 5, Ont.

Wen Products, Inc.,  
5806 Northwest Highway,  
Chicago 31, Ill. Represented by:  
Jossid Sales Reg'd, Montreal,  
Que. (Eastern Canada).

Kirk's Agency, Winnipeg 1,  
Man. (Western Canada).

Westberg Mfg. Co., 144 S. Coombs  
St., Box 239, Napa, Calif. Rep. by:  
Aviation Electric Pacific Ltd.,  
Vancouver, B.C.

Westbury Electronics, Inc.,  
300 Shames Drive, Westbury, N.Y.  
Represented by:  
Westbury Electronics (Canada)  
Ltd., Montreal, Que.

West Coast Electrical Mfg. Corp.,  
233 W. 116th Place, Los Angeles 61,  
Calif. Represented by:  
Railway & Power Engineering  
Corp. Ltd., Montreal 30, Que.

Western Insulated Wire Co.,  
2425 E. 30th St., Los Angeles 58,  
Calif. Represented by:  
Electrical Enterprises,  
Regina, Sask.

West Instrument Corp.,  
4363 W. Montrose Ave.,  
Chicago 41, Ill. Represented by:  
Davis Automatic Controls Ltd.,  
Toronto, Ont.

Westinghouse Electric Corp.,  
Electronic Tube Division,  
Elmira, N.Y. Represented by:  
Canadian Westinghouse  
Company Ltd., Electronic Tube  
Div., Hamilton, Ont.

Westinghouse Electric Corp.,  
Semi-Conductor Div., Youngwood  
Pa. Represented by:  
Canadian Westinghouse  
Company Ltd., Electronic Tube  
Div., Hamilton, Ont.

Westinghouse Electric  
International Corp., 40 Wall St.,  
New York, N.Y. Represented by:  
Alloy Metal Sales Ltd.,  
Toronto, Ont.

Westlake Plastics Co., West Lenn  
Rd., Lenni Mills, Pa. Rep. by:  
Crystal Glass & Plastics Ltd.,  
Toronto, Ont.

Westline Products Div. of Western  
Lithograph Co., 600 E. 2nd St.,  
Los Angeles 54, Calif. Rep. by:  
Northern Industrial Products  
Ltd., Toronto, Ont.

H. P. Ruggles Company, Ltd.,  
Hamilton, Ont.

Whitnen Mfg. Co., The,  
Farmington, Conn. Rep. by:  
Philip French Sales Ltd.,  
Montreal 16, Que.  
Wiedemann Machine Co.,  
P.O. Box 711, Norristown, Pa.  
Represented by:  
Hope Machinery Co.,  
Toronto 2, Ont.  
Wilcox Electric Co., Kansas City 1,  
Mo. Represented by:  
Canadian Marconi Company,  
Montreal, Que.  
Wiley & Sons, Inc., John,  
440 Fourth Ave., N.Y. 16, N.Y.  
Wilson Division, H. A.,  
Engelhard Industries Inc.,  
Union, N.J. Represented by:  
Engelhard Industries of Canada  
Ltd., Toronto, Ont.  
Winchester Electronics Inc.,  
Willard Rd., Norwalk, Conn.  
Represented by:  
Railway & Power Engineering  
Corp. Ltd., Montreal, Que.  
E. E. Whittaker, Ottawa, Ont.

Winn Inc., J. H., Winchester,  
Mass. Represented by:  
P. J. Heenan Ltd.,  
Toronto 17, Ont.  
Wittak Manufacturing Co.,  
4305-19 W. 24th Place,  
Chicago 23, Ill. Represented by:  
James B. Carter Ltd.,  
Winnipeg, Man.  
Wood Electric Co., P.O. Box 322,  
Newburyport, Mass. Rep. by:  
The Garrett Mfg. Corp. of  
Canada, Ltd., Rexdale, Ont.  
Workman TV Inc., P.O. Box 5397,  
Sarasota, Fla. Represented by:  
Len Finkler Ltd.,  
Toronto 12, Ont.

### X

Xcelite Inc., Thorne & Bank Sts.,  
Orchard Park, N.Y. Rep. by:  
Charles W. Pointon Ltd.,  
Rexdale, Ont.

### Y

Yardney Electric Corp.,  
40-42 Leonard St., New York 13,  
N.Y. Represented by:  
Silvercel of Canada Ltd.,  
Toronto 14, Ont.

Yellow Springs Instrument Co.  
Inc., P.O. Box 106, Yellow Springs,  
Ohio. Represented by:  
Canadian Laboratory Supplies  
Ltd., Montreal, Toronto and  
Edmonton.  
Fisher Scientific Co., Town of  
Mount Royal, Que. and Toronto.  
Scientific Supplies Div.,  
Van Waters Rogers Ltd.,  
Vancouver, B.C.

Young Hardware Co., Box 347,  
Elyria, Ohio. Represented by:  
R. J. Showalter, Calgary, Alta.

### Z

Zacharias Electronics Corp.,  
23 Countryside Drive,  
Livingston, N.J. Represented by:  
Electrodesign, Montreal, Que.

Zenith Electric Co., 152 W. Walker  
St., Chicago 10, Ill. Rep. by:  
Henderson-Oliver Sales Co.,  
Toronto, Ont.

Zippertubing Co., The,  
752 South San Pedro St.,  
Los Angeles 14, Calif. Rep. by:  
Avtek Systems Engineering  
Ltd., Winnipeg, Man.  
Mainguys Ltd., Montreal, Que.  
Zoomar Marketing Corp.,  
55 Sea Cliff Ave., Glen Cover,  
L.I., N.Y. Represented by:  
Electrovert Ltd.,  
Montreal 1, Que.

## Dates To Remember

### February 1960 New Product Catalogue

In no industry is the development of new products and components proceeding at a greater pace than in the electronics industry. To keep abreast of these developments in regular issues of an electronic journal is an impossibility due to space limitations. For this reason the February 1960 issue of Electronics and Communications will be a New Product Catalogue devoted in its entirety to the publication of hundreds of the latest electronic components and products selected on the basis of their requirement in the Canadian market.

### April 1960 Industrial Issue

This will be the fifth Industrial Issue published by Electronics and Communications and will be directed to key management personnel and engineers responsible for the procurement of plant equipment. Scores of industrial electronic applications will be concisely reported and illustrated. The Industrial Issue is planned as a mean of informing management of the latest electronic equipment with which manufacturing processes and techniques may be carried out more efficiently and economically. As such it is a contribution to a livelier Canadian market for the products of the electronics industry.

### June 1960 Communications Issue

This issue is devoted to the development and application of communications equipment. Canada by its geographic position, topographical nature, size and phenomenal industrial growth is one of the world's largest users

of all types of communications equipment. Canadian communication requirements make this country one of the largest potential customers for this type of equipment, and the Communications Issue of Electronics and Communications is designed to inform all those responsible for the development of communications systems in this country with the latest equipment and techniques in this field and to provide a forecast of future construction programs planned by the Canadian communications industry.

### October 1960 Canadian IRE Convention Issue

October 1960 is the tentative date for Electronics and Communications Pre IRE Canadian Convention issue. Actual publication date of this issue will be arranged to precede the opening of the Canadian IRE Convention. This issue is devoted to the advancement of the IRE Canadian Convention and Exposition. Its contents provide a full preview of the show including technical programs, speakers, exhibitors, exhibitors' products and a product locator. This issue of Electronics and Communications is planned as an attendance booster for the Exposition.

### December 1960 Seventh Annual Electronic Engineers Buyers' Guide for Canada

Here again, as the name implies, this issue is a complete reference guide for those seeking sources of supply for electronic equipment or components. The names and addresses of all firms in the Canadian electronics industry listing their principals, together with the type of equipment sold or manufactured, are provided for easy reference.

*For further information on any of these special issues write to:*

### ELECTRONICS AND COMMUNICATIONS

450 Alliance Avenue

Toronto 9, Ontario

For more complete information on addresses of Canadian representatives, turn to section beginning on page 62.

## Part 3

# U.K. and Other Manufacturers and Canadian Representatives

### A

- A.N.T.E.X. Limited**, 7/8 Idol Lane, London, E.C. 3, England. Rep. by: **Mechron Engineering Products Ltd.**, Ottawa, Ont.
- APT Electronics Ltd.**, Byfleet, Surrey, England. Represented by: **Payette Radio Ltd.**, Montreal, Quebec.
- Acoustical Manufacturing Company Ltd.**, St. Peters Rd., Huntingdon, England. Rep. by: **Smyth Electronic Components Ltd.**, Montreal 1, Que.
- Adcola Products Ltd.**, Gauden Rd., Clapham, London, S.E. 4, Eng. Represented by: **Adcola Products Limited** (Leslie J. Lamb), Weston, Ont.
- Advance Components Ltd.**, Roebuck Rd., Hainault, Ilford, Essex, England. Represented by: **Smyth Electronic Components Ltd.**, Montreal 1, Que.
- Aiko Electric Co. Ltd.**, No. 4 Motosakuma-Cho, Chiyoda-Ku, Tokyo, Japan. Represented by: **Daveco Agencies Ltd.**, Montreal 29, Que.
- Airmec Limited**, High Wycombe, Bucks., England.
- Aktiebolaget Rifa**, Bromma 11, Sweden. Represented by: **Ericsson Telephone Sales of Canada Ltd.**, Montreal, Que.
- Aktiebolaget Svenska Elektronor** (of Stockholm, Sweden), c/o Ericsson Telephone Sales of Canada Ltd., 130 Bates Rd., Montreal, Que.
- Akustische u. Kino-Geräte Gesellschaft m.b.H.**, Nobilegasse 50, Vienna XV, Austria. Rep. by: **Electrovert Ltd.**, Montreal 1, Que.
- Aldridge Plastics Ltd.**, Aldridge, Staffs., England. Represented by: **Siemens Edison Swan (Canada) Ltd.**, Winnipeg, Man.
- Allan Radio Ltd.**, Richard, P.O. Box 3, Taylor St., Batley, Yorkshire, Eng. Represented by: **Payette Radio Ltd.**, Montreal, Que. **White Radio Ltd.**, Hamilton, Ont.
- Allied International Co. Ltd.**, 59/61 Union St., London, S.E. 1, England. Represented by: **Conway Electronic Enterprises Reg'd**, Toronto 10, Ont.
- Alloy Wire Company Ltd.**, Old Hill, Staffordshire, England. Represented by: **Kerr-Machin Associates**, Toronto 12, Ont.
- Alto Instruments (Great Britain) Ltd.**, London, W.C. 2, England. Represented by: **Measurement Engineering Ltd.**, Arncliffe, Ont.
- Amos of Exeter Ltd.**, Welcliff Court, Exwick, Exeter, Devon, England. Represented by: **Mechron Engineering Products Ltd.**, Ottawa, Ont.
- Amplivox Exports Ltd.**, Beresford Ave., Wembley, Middlesex, England. Represented by: **Amplivox (Canada) Ltd.**, 71 Wellesley St. E., Toronto 5, Ont.
- Mechron Engineering Products Ltd.**, Ottawa, Ont.
- AB Arboga Maskiner**, Arboga, Sweden. Represented by: **Cosa Corp. of Canada Ltd.**, Toronto 14, Ont.
- Arcoelectric (Switches) Ltd.**, Central Ave., West Molesey, Surrey, England. Represented by: **Alpha Aracon Radio Co. Ltd.**, Downsview, Ont.
- Asaki Optical**, Japan. Rep. by: **Garlick Films Ltd.**, Toronto 19, Ont.
- Wolfgang Assmann G.m.b.H.**, Bad Homburg, Germany. Rep. by: **Ahearn and Soper Co. Ltd.**, Ottawa, Ont.
- Associated Electrical Industries**, Rugby, England. Represented by: **E.M.I.-Cossor Electronics Ltd.**, Montreal, Que.
- R. Mack Co. Ltd.**, Vancouver, B.C.
- Atlas-Werke AG.**, Woltmershauserstrasse 442/444, Bremen, Germany. Rep. by: **Electrodesign**, Montreal, Que.
- Austlinlite Ltd.**, Crawley, Sussex, England. Represented by: **Burlec Sales Ltd.**, Toronto, Ont.
- Automatic Telephone & Electric Co. Ltd.**, Strowger House, Arundel St., London, W.C. 2, England. Represented by: **Automatic Telephone & Electric Co. Ltd.**, St. John's, Newfoundland.
- Autophone Ltd.**, 539-547 Wandsworth Rd., London, S.W. 8, England. Represented by: **D & B Sound and Signals Inc.**, Montreal 1, Que.
- Fanon Electronics of Canada**, Toronto, Ont.
- Peffer Sound Systems Ltd.**, Kitchener, Ont.
- Telecom Ltd.**, Toronto 2, Ont.
- Young Communications Ltd.**, Vancouver 2, B.C.
- Avo Limited**, 92-96 Vauxhall Bridge Rd., London, S.W. 1, England. Represented by: **R. H. Nichols Ltd.**, Downsview, Ont.

### B

- Baker & Messmer Ltd.**, John, Kilnhurst Steel Works, Nr. Rotherham, Eng. Rep. by: **Peacock Brothers Ltd.**, Montreal 3, Que.
- Baldwin Industrial Controls**, Lowfield St., Dartford, Kent, England. Represented by: **Negretti & Zambra Canada Ltd.**, Toronto 14, Ont.
- Balun Limited**, Crawley Rd., Horsham, Sussex, England. Represented by: **Instronics Ltd.**, Stittsville, Ont.
- Barbier, Benard & Turenne (BBT)**, Paris, France. Rep. by: **Beaconing Optical & Precision Materials Co. Ltd.**, Montreal, Que.
- Bauscher & Co. K.G.**, Hamburg, Germany. Represented by: **Ahearn and Soper Company Ltd.**, Ottawa, Ont.

- Andre Bechler Ltd.**, Machine Tool Works, Moutier, Switzerland. Represented by: **Cosa Corp. of Canada Ltd.**, Toronto 14, Ont.
- Beck Ltd., R. & J.**, 69-71 Mortimer St., London, W. 1, Eng. Rep. by: **Tecneek Associates**, Montreal 25, Que.
- Becker Autoradiowerk**, Rueppurerstrasse 23, Karlsruhe, Germany. Represented by: **Geertz & Holm Canada Ltd.**, Vancouver 5, B.C.
- Bell Telephone Mfg. Co.**, 4 rue Boudwijs, Antwerp, Belgium. Represented by: **Standard Telephones & Cables Mfg. Co. (Canada) Ltd.**, Montreal, Que.
- Belling & Lee Ltd.**, Great Cambridge Rd., Enfield, Middlesex, England. Rep. by: **Astral Electric Co. Ltd.**, Toronto 13, Ont.
- Barvic Engineering Ltd.**, Vancouver 1, B.C.
- Besson & Robinson Ltd.**, Harlow, Essex, Eng. Rep. by: **Avionics Ltd.**, Niagara-on-the-Lake, Ont.
- Best Products Ltd.**, Ranelagh House, Felixstowe, Suffolk, England. Represented by: **E.M.I.-Cossor Electronics Ltd.**, Montreal, Que.
- Dr. Bernhard Beyschlag**, Apparatebau, Postschiessfach 128, (24b) Westerland/Sylt, Germany. Represented by: **Associated Electronic Components Ltd.**, Toronto 12, Ont.
- Birmingham Sound Reproducers**, Monarch Works, Powke Lane, Old Hill, Staffs., England. Represented by: **Musimart of Canada, Ltd.**, Montreal 1, Que.
- Blackstone & Co., Ltd.**, Dursley, Glos., England. Represented by: **Canadian Lister-Blackstone Ltd.**, Toronto 13, Ont.
- Bohner & Kohle Maschinenfabrik**, P.O. Box 67, Esslingen/Neckar, Germany. Represented by: **Cosa Corp. of Canada Ltd.**, Toronto 14, Ont.
- G. Boley**, Mettingerstrasse 11, (14a) Esslingen/Neckar, Germany. Represented by: **Cosa Corp. of Canada Ltd.**, Toronto 14, Ont.
- J. Bosshard**, Lausanne, Switzerland. Represented by: **D & B Sound and Signals Inc.**, Montreal 1, Que.
- Brenell Engineering Co. Ltd.**, 1a Doughty St., London, W.C. 1, England. Represented by: **E.M.I.-Cossor Electronics Ltd.**, Montreal, Que.
- British Communications Corp. Ltd.**, Exhibition Grounds, Wembley, Middlesex, England. Represented by: **Instronics Ltd.**, Stittsville, Ont.
- British Electric Resistance Co. Ltd.**, The, Queensway, Enfield, Middlesex, Eng. Represented by: **Canadian Electric Resistors Ltd.**, Toronto 16, Ont.

- British Ferrograph Recorder Co. Ltd.**, 131 Sloane St., London, S.W. 1, England. Represented by: **Astral Electric Company Ltd.**, Toronto 13, Ont.
- British Insulated Callender's Cables Ltd.**, 21 Bloomsbury St., London, W.C. 1, Eng. Rep. by: **Phillips Electrical Company Ltd.**, Brockville, Ont.
- British Rototherm Co. Ltd.**, The, Merton Abbey, London, S.W. 19, England. Represented by: **The J. W. Ellis Industries**, Toronto, Ont.
- Brown Boveri & Company**, Baden, Switzerland. Represented by: **Brown Boveri (Canada) Ltd.**, Montreal 1, Que.
- Brown Ltd., S. G.**, Watford, Herts, England. Represented by: **Electrolabs**, Montreal, Que.
- A/S Bruel & Kjaer**, Lindealle 23, Naerum, Denmark. Rep. by: **R-O-R Associates Ltd.**, Don Mills, Ont.
- Buckleys (Uvral) Ltd.**, Beta Works, Embankment, Putney, London, S.W. 15, Eng. Rep. by: **Canadian Research Institute**, Toronto 5, Ont.
- Budenberg Gauge Co. Ltd.**, P.O. Box 5, Altrincham, Cheshire, England. Rep. by: **Peacock Brothers Ltd.**, Montreal 3, Que.
- Bulgin & Co. Ltd., A. F.**, Bye Pass Rd., Barking, Essex, England. Represented by: **Barvic Engineering Ltd.**, Vancouver 1, B.C.
- Pfeiffer Electronic Laboratories**, Trenton, Ont.

### C

- Cambridge Instrument Co., Ltd.**, 13 Grosvenor Place, London, S.W. 1, England. Represented by: **R. H. Nichols Ltd.**, Downsview, Ont.
- Capp & Son Ltd., A.**, Thames Rd., Crayford, Kent, England. Rep. by: **Hildon Corporation Ltd.**, Toronto 2B, Ont.
- Castell Locks, Ltd.**, Kingsbury Rd., London, N.W. 9, England. Represented by: **George M. Fraser Ltd.**, Toronto 7, Ont.
- Catterson-Smith Ltd., R. M.**, Exhibition Grounds, Wembley, Middlesex, England. Rep. by: **H. J. G. McLean Ltd.**, Brantford, Ont.
- Chapman (Reproducers) Ltd.**, C. T., High Wycombe, Bucks., England. Represented by: **Chas. W. Pointon Ltd.**, Rexdale, Ont.
- Chesterman & Co. Ltd.**, James, Bow Works, Sheffield 11, England. Represented by: **Hildon Corporation Ltd.**, Toronto 2B, Ont.
- Clarke & Co. (Manchester) Ltd.**, H., Atlas Works, George St., Patricroft, Manchester, England. Represented by: **Canadian Wilbur B. Driver Co. Ltd.**, Rexdale, Ont.



layton-Wright Ltd., Howard  
ellesbourne, Warwickshire,  
England. Represented by:  
Aircraft Appliances &  
Equipment Ltd., Weston, Ont.

live Courtenay & Co. Ltd.,  
orking, Surrey, Eng. Rep. by:  
Electrolabs, Montreal, Que.

llaro Limited, Ripple Works,  
y-Pass Rd., Barking, Essex,  
England. Represented by:  
Audio Vision Sales Ltd.,  
Vancouver, B.C. (British  
Columbia only).  
A. C. Simmonds & Sons Ltd.,  
Toronto 7, Ont.

lvorn Limited, Spring Gardens,  
omford, Essex, Eng. Rep. by:  
Tinsley Instruments,  
Smiths Falls, Ont.

mpagnie Crouzet, 18 Rue J.-J.  
ousseau, Valence-sur-Rhone,  
rance. Represented by:  
Canadian Applied Research  
Ltd., Toronto, Ont.

mpagnie Generale  
Electro-Ceramique, 12 Rue de la  
aume, Paris (8e), France.

osmocord Limited, Acos Works,  
eanon Cross Rd., Waltham  
ross, Herts., Eng. Rep. by:  
The Glendon Co. Ltd.,  
Toronto 14, Ont.

osor Instruments Ltd., Corsor  
ouse, Highbury Grove, London,  
5, England. Represented by:  
E.M.I.-Cossor Electronics Ltd.,  
Montreal, Que.

ounting Instruments Ltd.,  
Elstree Way, Boreham Wood,  
erts, England. Represented by:  
Leonard Electric Ltd.,  
Toronto 18, Ont.

ox Limited, Stanley, 93-97 New  
avendish St., London, W. 1,  
ngland. Represented by:  
Barvic Engineering Ltd.,  
Vancouver 1, B.C.

reed & Company Ltd., Telegraph  
ouse, Croydon, Surrey, England.  
epresented by:  
Standard Telephones & Cables  
Mfg. Co. (Canada) Ltd.,  
Montreal 12, Que.

ritchley Brothers Ltd.,  
rimscombe, Stroud, Glos.,  
ngland. Represented by:  
Electrovert Ltd.,  
Montreal 1, Que.

roydon Precision Instruments,  
ampton Rd., West Croydon,  
urrey, England. Represented by:  
The Glendon Instrument Co.  
Ltd., Scarborough, Ont.

rypton Equipment Ltd.,  
ridgewater, Somerset, England.  
epresented by:  
W. H. Cooper & Co. Ltd.,  
Toronto, Ont.

**D**

aly (Condensers) Ltd., West  
odge Works, The Green, Ealing,  
ondon, W. 5, England. Rep. by:  
Daly Capacitors Ltd.,  
Toronto 4, Ont.

/S Danavox, 112 Lersoe  
arkalle, Copenhagen, Denmark.  
epresented by:  
Aditone of Canada Reg'd,  
Sutton, Que.

Associated Electronic  
Components Ltd.,  
Toronto 12, Ont.

/S. Danbridge, 47 Brigadevej,  
openhagen S, Denmark. Rep. by:  
The J. W. Ellis Industries,  
Toronto 1, Ont.

ansk Ventil Industri,  
ladsaxevej 120, Copenhagen-  
oeborg, Denmark. Rep. by:  
Associated Electronic  
Components Ltd.,  
Toronto 12, Ont.

awe Instruments Limited,  
9/101 Uxbridge Rd., Ealing,  
ondon, W. 13, England. Rep. by:  
E.M.I.-Cossor Electronics Ltd.,  
Montreal, Que.

becca Radar Limited, 9 Albert  
mbankment, London, S.E. 11,  
ngland. Represented by:  
Decca Radar (Canada) Ltd.,  
Toronto 18, Ont.

riedrich Deckel,  
Vaakrichnerstrasse 7-13,  
munch 25, Germany. Rep. by:  
Cosa Corp. of Canada Ltd.,  
Toronto 14, Ont.

lecco Cameras Ltd., East Acton,  
ondon, England. Represented by:  
Computing Devices of Canada  
Ltd., Ottawa, Ont.

Desoutter Brothers Ltd., The  
Hyde, Hendon, London, England.  
Represented by:  
Wainbee Tools Ltd.,  
Rexdale P.O., Ont.

Dewhurst & Partner Ltd.,  
Inverness Works, Inverness Rd.,  
Hounslow, Middlesex, England.  
Represented by:  
DuPar (Canada) Ltd.,  
Kitchener, Ont.

Dictaphone Company Ltd.,  
17-19 Stratford Place, London,  
W. 1, England. Represented by:  
Dictaphone Corporation Ltd.,  
Toronto, Ont.

Dowling Ltd., D., Roebuck Rd.,  
Hainault, Ilford, Essex, England.  
Represented by:  
Empire Engineering Co.,  
Toronto 2, Ont.

Drelo Ing. Paul Drewell,  
Stadtwaldstrasse 27,  
(22a) M. Gladbach-Rheindahlen,  
West Germany. Represented by:  
S.I.D.A.M. Ltd., Rexdale, Ont.

Drysdale & Co. Ltd., Bon Accord  
Works, Yoker, Glasgow, W. 4,  
Scotland. Represented by:  
Peacock Brothers Ltd.,  
Montreal 3, Que.

"DUAL" Gebr. Steidinger,  
St. Georgen/Schwarzwald,  
Germany. Represented by:  
Geertz & Holm Canada Ltd.,  
Vancouver 5, B.C.

Dubilier Condenser Company  
(1925) Ltd., Ducon Works,  
Victoria Rd., North Acton,  
London, W. 3, Eng. Rep. by:  
Astral Electric Co. Ltd.,  
Toronto 13, Ont.

Ducati Elettrotecnica S.p.A.,  
Bologna, Italy. Represented by:  
William Bersell Agencies,  
Montreal, Que.

Dynatron Limited, Maldenhead,  
Berks., England. Rep. by:  
Computing Devices of Canada  
Ltd., Ottawa, Ont.

**E**

E.M.I. Electronics Ltd., Hayes,  
Middlesex, England. Rep. by:  
E.M.I.-Cossor Electronics Ltd.,  
Montreal, Que.

E.M.I. Sales and Service, Hayes,  
Middlesex, England. Rep. by:  
Atlas Radio Corp. Ltd.,  
Toronto 19, Ont.

Eastman International Company,  
G.m.b.H., Hildeshelmer Strasse 34,  
Hannover, Germany. Rep. by:  
L. G. Blunt Ltd., Toronto, Ont.

Eberle & Co. Electro-G.m.b.H.,  
Postfach 53, (13a) Nuernberg 30,  
Germany. Represented by:  
Associated Electronic Components  
Ltd., Toronto 12, Ont.

Eddystone Co. Ltd., Alvechurch  
Rd., Birmingham 31, England.  
Represented by:  
Conway Electronic Enterprises  
Reg'd, Toronto 10, Ont.

Edwards High Vacuum Ltd.,  
Crawley, Sussex, Eng. Rep. by:  
Edwards High Vacuum (Canada)  
Ltd., Burlington, Ont.

Ekco Electronics Ltd., Southend-  
on-Sea, Essex, Eng. Rep. by:  
Canadian Marconi Company,  
Montreal, Que.

Computing Devices of Canada  
Ltd., Ottawa, Ont.

Electric Construction Co. Ltd.,  
Wolverhampton, Eng. Rep. by:  
E.C.C. Canada Ltd., Toronto 15,  
Ont.

Electrical Instrument Co. Ltd.,  
Boswell Square, Industrial Estate,  
Hillington, Glasgow, S.W. 2,  
Scotland. Represented by:  
Conway Electronic Enterprises  
Reg'd, Toronto 10, Ont.

Electrical and Musical Indus. Ltd.,  
Hayes, Middlesex, Eng. Rep. by:  
E.M.I.-Cossor Electronics Ltd.,  
Montreal, Que.

Electroacoustic, G.m.b.H., 425-429  
Westring, Kiel, Germany. Rep. by:  
Atlas Radio Corp Ltd.,  
Toronto 19, Ont.

Electronics Instruments Ltd.,  
Lower Mortlake Rd., Richmond,  
Surrey, England. Represented by:  
The Glendon Instrument Co.  
Ltd., Scarborough, Ont.

Electrovac, Vienna, Austria.  
Represented by:  
Burlec Sales Ltd., Toronto, Ont.

Elektro-Physik, Hans Nix & Dr.  
Ing., Steingroever, Kohn-Rlehl,  
Germany. Represented by:  
Emile Tasso - Agencies,  
Montreal 25, Que.

Elge G.m.b.H., Einsiedlergasse 52,  
Wien, Austria. Represented by:  
Geertz & Holm Canada Ltd.,  
Vancouver 5, B.C.

Elliott Brothers (London) Ltd.,  
Century Works, Lewisham,  
London, S.E. 13, Eng. Rep. by:  
Measurement Engineering Ltd.,  
Arnprior, Ont.

Ellison Ltd., George, Wellhead  
Lane, Perry Barr, Birmingham,  
England. Represented by:  
E.C.C. Canada Ltd., Toronto 15,  
Ont.

Eistein-Werk, Stettiner Str. 14,  
Northeim/Hann., Germany.  
Represented by:  
Associated Electronic Components  
Ltd., Toronto 12, Ont.

Emel Establishments, Paris,  
France. Represented by:  
Canadian Research Institute,  
Toronto 5, Ont.

Engel & Gibbs Ltd., Warwick Rd.,  
Boreham Wood, Herts., England.  
Represented by:  
Constellation Components Co.,  
Scarborough, Ont.

English Electric Co. Ltd., The,  
Marconi House, Strand, London,  
W.C. 2, England. Represented by:  
English Electric Canada,  
A Division of John Inglis Co.  
Ltd., St. Catharines, Ont. and  
branches in cities across Canada.

English Electric Valve Co. Ltd.,  
Waterhouse Lane, Chelmsford,  
Essex, England. Represented by:  
Canadian Marconi Company,  
Toronto 17, Ont.

Canadian Marconi Company,  
Montreal 16, Que.

Epsilon Industries Ltd., Feltham,  
Middlesex, Eng. Represented by:  
Computing Devices of Canada  
Ltd., Ottawa, Ont.

Ericsson Telephones Ltd.,  
22 Lincoln's Inn Fields, London,  
W.C. 2, England. Represented by:  
Etelco Canada Limited,  
Scarborough, Ont.

Erie Resistor Limited, Great  
Yarmouth, Eng. Represented by:  
Erie Resistor of Canada Ltd.,  
Trenton, Ont.

Esco S.A., Les Geneveys  
a/Coffrane, Switzerland. Rep. by:  
Cosa Corp. of Canada Ltd.,  
Toronto 14, Ont.

Etelco Ltd., 22 Lincoln's Inn Fields,  
London, W.C. 2, Eng. Rep. by:  
Etelco Canada Ltd.,  
Scarborough, Ont.

Ether Ltd., Birmingham 24, Eng.  
Represented by:  
Measurement Engineering Ltd.,  
Arnprior, Ont.

Evans Electroelenium Ltd.,  
Colchester Rd., Halstead, Essex,  
England. Represented by:  
The Glendon Instrument Co.  
Ltd., Scarborough, Ont.

Everett Edgcombe Co. Ltd.,  
London, Eng. Represented by:  
Burlec Sales Ltd., Toronto, Ont.

Evershed and Vignoles Ltd., Acton  
Lane Works, Chiswick, London,  
W. 4, England. Represented by:  
Evershed-Powertronic Ltd.,  
Toronto 13, Ont.

R. H. Nichols Ltd., Downsview,  
Ont.

**F**

Farnell Instruments Ltd., Light  
Industrial Estate, York Rd.,  
Wetherby, Yorkshire, England.  
Represented by:  
Intronics Ltd., Stittsville, Ont.

Felten & Guilleaume Carlswerk,  
Cologne, Germany. Rep. by:  
Powerlite Devices Ltd.,  
Toronto 18, Ont.

Felten & Guilleaume  
Fernmedleanlag, G.m.b.H.,  
Aussere Bayreuther Strasse/  
Blerweg 180, Nurnberg, Germany.  
Represented by:  
L. G. Blunt Ltd., Toronto, Ont.

Ferranti Ltd., Hollinwood,  
Lancashire, Eng. Represented by:  
Ferranti Packard Electric Ltd.,  
Toronto 15, Ont.

Fi-Cord Ltd., 40A Dover St.,  
London, W. 1, England. Rep. by:  
Astral Electric Co. Ltd.,  
Toronto 13, Ont.

Fielden Electronics Ltd., Paston  
Rd., Wythenshawe, Lancashire,  
England. Represented by:  
MEL Sales Ltd., Toronto, Ont.

Measurement Engineering Ltd.,  
Arnprior, Ont.

E. Fischer & Co., Busswil-Bienne,  
Switzerland. Represented by:  
Emile Tasso - Agencies,  
Montreal 25, Que.

Fleming Radio (Developments)  
Ltd., Caxton Way, Stevenage,  
Herts., England. Represented by:  
Mechron Engineering Products  
Ltd., Ottawa, Ont.

Fortiphone Ltd., 92 Middlesex St.,  
London, E. 1, England. Rep. by:  
John Herring & Company Ltd.,  
Toronto, Ont.

Fortuna Werke A. G., Fragstrasse  
138-146, Stuttgart-Bad Cannstatt,  
Germany. Represented by:  
Cosa Corp. of Canada Ltd.,  
Toronto 14, Ont.

Fraser and Co. Ltd., Andrew,  
29 Buckingham Gate, London,  
S.W. 1, Eng. Represented by:  
Dycon Ltd., Toronto 14, Ont.

Maschinenfabrik Froriep G.m.b.H.,  
(22a) Rheydt/Rhld., Germany.  
Represented by:  
Cosa Corp. of Canada Ltd.,  
Toronto 14, Ont.

Frank Frungel Ltd., Hamburg,  
Germany. Represented by:  
Mechron Engineering Products  
Ltd., Ottawa, Ont.

Fry's Metal Foundries Ltd.,  
Tandem Works, Merton Abbey,  
London, S.W. 19, Eng. Rep. by:  
Electrovert Ltd., Montreal 1,  
Que.

**G**

G. Gambke, Berlin, West  
Germany. Represented by:  
S.I.D.A.M. Ltd., Rexdale, Ont.

Garrard Engineering & Mfg. Co.  
Ltd., Swindon, Glos., Eng. Rep. by:  
Barvic Engineering Ltd.,  
Vancouver 1, B.C.

Charles W. Pointon Ltd.,  
Rexdale, Ont.

General Electric Co. Ltd., The,  
Magnet House, Kingsway, London,  
W.C. 2, England. Represented by:  
Barvic Engineering Ltd.,  
Vancouver 1, B.C.

General Electric Co. Coventry,  
England. Represented by:  
Canadian General Electric Co.  
Ltd., Electronic Equipment &  
Tube Dept., Toronto, Ont.

General Radiological Ltd.,  
Clipstone St., Great Portland St.,  
London, W. 1, England. Rep. by:  
E.M.I.-Cossor Electronics Ltd.,  
Montreal, Que.

General Signal & Time Systems  
Ltd., 73 Great Peter St., London,  
England. Represented by:  
D & B Sound and Signals Inc.,  
Montreal 1, Que.

Gensign, 73 Great Peter St.,  
London, S.W. 1, England. Rep. by:  
D & B Sound and Signals Inc.,  
Montreal 1, Que.

Geraetebau Anstalt, Balzers,  
Liechtenstein. Represented by:  
Philips Electronics Industries  
Ltd., Leaside, Ont.

Glassexport, Prague,  
Czechoslovakia. Represented by:  
Desser E-E Ltd., Montreal, Que.

Goldring Manufacturing Co.  
(Great Britain) Ltd., 486-488 High  
Road, Leytonstone, London, E. 11,  
England. Represented by:  
Musmart of Canada, Ltd.,  
Montreal 1, Que.

Goodmans Industries Ltd., Axlom  
Works, Wembley, Middlesex, Eng.  
Represented by:  
Nickam Instruments & Supply  
Ltd., Toronto 15, Ont.

A. C. Simmonds & Sons Ltd.,  
Toronto 7, Ont.

Goring Kerr Ltd., Gerrards Cross,  
Bucks., Eng. Represented by:  
Measurement Engineering Ltd.,  
Arnprior, Ont.

P. Gossen & Co. G.m.b.H.,  
Nagelsbachstrasse 25, Erlangen/  
Bayern, Western Germany.  
Represented by:  
Canadian Research Institute,  
Toronto 5, Ont.

Garlick Films Ltd., Toronto 19,  
Ont.

Thermovolt Instruments Ltd.,  
Toronto 18, Ont.

Graham & Co. Ltd., Alfred, Halifax, Yorkshire, Eng. Rep. by: Siemens Edison Swan (Canada) Ltd., Winnipeg, Man.

Strampian Ltd., Hanworth Trading Estate, Feltham, Middlesex, Eng. Represented by: Astral Electric Co. Ltd., Toronto 13, Ont.

Great Northern Telegraph Works, Sydnavns Plads, Copenhagen SV, Denmark. Represented by: T.M.C. (Can.) Ltd., Ottawa, Ont.

Grudelbach & Schuetter, Buschhuetten, Siegen, Germany. Represented by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

Grundig-Verkaufs-G.m.b.H., Furth Bayern, Germany. Rep. by: L. G. Blunt Ltd., Toronto, Ont.

AB Gylling & Co., Stockholm 4, Sweden. Represented by: Barvic Engineering Ltd., Vancouver 1, B. C.

Engineered Sound Systems Ltd., Toronto 18, Ont.

## H

Hedfields Ltd., East Hecla Works, Sheffield 9, England. Rep. by: Peacock Brothers Ltd., Montreal 3, Que.

Haenni and Co. A. G., Jegenstorf, Switzerland. Represented by: Thermovolt Instruments Ltd., Toronto 18, Ont.

Hallam, Sleigh & Cheston Ltd., Widney Works, Bagot St., Birmingham 4, England. Rep. by: General Communications Ltd., Toronto 16, Ont.

Hanhart, Schwenningen, West Germany. Represented by: S.I.D.A.M. Ltd., Rexdale, Ont.

Hanovia Lamps, Bath Rd., Slough, Bucks., England. Represented by: Tecneq Associates, Montreal 25, Que.

Harrison, W., Station Rd., Midge Hall, nr. Preston, Lancs., England. Represented by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

Hartmann & Braun, A. G., 17 Graefstrasse, Frankfurt/Main, West Germany. Represented by: The J. W. Ellis Industries, Toronto 1, Ont.

Hasler, S. A., Belpstrasse 23, Berne, Switzerland. Rep. by: International Systems Ltd., Montreal, Que.

Dr. Ing Rudolf Hell, Grenzstrasse 5, Kiel, Germany. Rep. by: Ahearn and Soper Co. Ltd., Ottawa 4, Ont.

Heinrich Henry & Co., Schottenfeldgasse 39, Wien VII, Austria. Represented by: Daveco Agencies Ltd., Montreal 29, Que.

H. C. Heraeus G.m.b.H., Abt. Electrowaerme, Hanau/a. Main, Germany. Represented by: Associated Electronic Components Ltd., Toronto 12, Ont.

Hiab Hydraulic Truck Cranes, Hudksvall, Sweden. Rep. by: Atlas Polar Co. Ltd., Toronto, Ont.

Hirschmann, Esslingen/Neckar, Germany. Represented by: Geertz & Holm Canada Ltd., Vancouver 5, B.C.

Hopkinson & Co. Ltd., Austin, Delta Works, Audenshaw, Lancs., England. Represented by: Peacock Brothers Ltd., Montreal 3, Que.

Hopkinsons Ltd., P.O. Box B-27, Huddersfield, England. Rep. by: Peacock Brothers Ltd., Montreal 3, Que.

Horstmann Gear Co. Ltd., The Newbridge Works, Bath, England. Represented by: Burlec Sales Limited, Toronto 16, Ont.

Hosoda Trading Co., 6 Umegae-cho, Kitaku, Osaka, Japan. Represented by: Daveco Agencies Ltd., Montreal 29, Que.

Hunt (Capacitors) Ltd., A. H., Barrett Lane, London, S.W. 18, England. Represented by: Adams Engineering Ltd., Montreal, Que.

Hymatic Engineering Co. Ltd., The Glover St., Redditch, Worcs., Eng. Represented by: Aviation Electric Ltd., Montreal 9, Que.

## I

Imhof Ltd., Alfred, 112-116 New Oxford St., London, W.C. 1, England. Represented by: MEL Sales Ltd., Toronto 12, Ont.

Measurement Engineering Ltd., Armprior, Ont.

Infra Red Development Corp., Welwyn Garden City, Herts., England. Represented by: Electrodesign, Montreal, Que.

Ingenieur Büro Atlas Kiel, Geb. 12, Fischereihafen, Kiel, Germany. Represented by: L. G. Blunt Ltd., Toronto, Ont.

Insulators Limited, Edmonton, London, England. Rep. by: Pfeiffer Electronic Laboratories, Trenton, Ont.

Insuloid Manufacturing Co. Ltd., Sharston Works, Leestone Rd., Wythenshawe, Manchester 22, England. Represented by: Electrovert Ltd., Montreal 1, Que.

International Combustion (Export) Ltd., 12 Woburn Place, London, W.C. 1, Eng. Rep. by: Peacock Brothers Ltd., Montreal 3, Que.

International Computers & Tabulators Ltd. (I.C.T. Ltd.), 149 Park Lane, London, W. 1, England. Represented by: Underwood Ltd. (Samas Punched Card Division), Toronto, Ont.

Irel, Via Ugo Foscolo, 1, Milan, Italy. Represented by: Clairtone Sound Corp. Ltd., Weston, Ont.

Irion & Vosseler, 14b Schwenningen am Neckar, Germany. Represented by: Aeromotive Engineering Products Ltd., Pointe Claire, Montreal 33, Que.

Isopad Limited, Barnet By-Pass, Boreham Wood, Herts., England. Represented by: Electrovert Ltd., Montreal 1, Que.

Isotope Developments Limited, Finsbury Pavement House, 120 Moorgate, London, E.C. 2, England. Represented by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

## J

Jackson Brothers (London) Ltd., Kingsway, Waddon, Croydon, Surrey, England. Represented by: R. Mack & Co. Ltd., Vancouver 14, B.C., and Toronto, Ont.

Jahre, Richard, Berlin, Germany. Represented by: Ahearn and Soper Co. Ltd., Ottawa, Ont.

Jaquet Ltd., 19/25 Thannerstrasse, Basle, Switzerland. Rep. by: The J. W. Ellis Industries, Toronto 1, Ont.

R. H. Nichols Ltd., Downsview, Ont.

1/3 Jensen Electric, Industriegarden, Finsensvej 86, Copenhagen F Denmark. Rep. by: Associated Electronic Components Ltd., Toronto 12, Ont.

A/S Tobias Jensen, Industrievj 4, Copenhagen-Glostrup, Denmark. Rep. by: Associated Electronic Components Ltd., Toronto 12, Ont.

W. H. Joens and Co. G.m.b.H., Wusseldorf, Germany. Rep. by: Thermovolt Instruments Ltd., Toronto 18, Ont.

Johnson Matthey & Co. Ltd., Hatton Garden, London, E.C. 1, England. Represented by: Johnson Matthey & Mallory Ltd., Toronto 15, Ont.

Jones, Stroud, Ltd., Long Eaton, Nottingham, Eng. Represented by: Astral Electric Co., Ltd., Toronto 13, Ont.

## K

Kasama Co. Ltd., 59/61 Union St., London, S.E. 1, Eng. Rep. by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

Kelvin & Hughes Ltd., Kelvin House, Wembley Park Drive, Wembley, Middlesex, England. Represented by: Kelvin & Hughes (Canada) Ltd., Montreal, Que.

Kerry's Ultrasonics Ltd., Stratford, London, Eng. Rep. by: Transonic Limited, Ajax, Ont.

P. J. Kipp & Zonen, Voorstraat 67-73, P.O. Box 7, Delft, Holland. Represented by: R. H. Nichols Ltd., Downsview, Ont.

Kloekner-Humboldt-Deutz, A.G., Cologne-Deutz, Western Germany. Represented by: Deutz Diesels (Canada) Ltd., Montreal 3, Que.

Dipl. Ing. Ulrich Knick, Katharinenstrasse 2-4, Berlin-Zehlendorf, West Germany. Represented by: J. W. Ellis Industries, Toronto 1, Ont.

Kobayashi Meter Works, No. 298 2-Chome Osaki-Honmachi Shinagawa-Ku, Tokyo, Japan. Represented by: Daveco Agencies Ltd., Montreal 29, Que.

Jos. Koepfer & Soehne G.m.b.H., Furtwangen Baden, Germany. Represented by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

Kuhnke-Electrotechnische Fabrik G.m.b.H., (24b) Malente/Holstein, Germany. Represented by: Associated Electronic Components Ltd., Toronto 12, Ont.

Kunkler Condensers Co., Kiel, Germany. Represented by: Geertz & Holm Canada Ltd., Vancouver 5, B.C.

## L

Labgear Limited, Willow Place, Cambridge, England. Rep. by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

Laboratories R. Derveaux, Paris, France. Represented by: Beacons Optical & Precision Materials Co. Ltd. (B.O.P. Ltd.), Montreal 1, Que.

Laboratorium Dr. Justus Rosenhagen, Hamburg, Germany. Represented by: Mechron Engineering Products Ltd., Ottawa, Ont.

Dr. B. Lange, Hermannstrasse 14-18, Berlin-Zehlendorf, West Germany. Represented by: The J. W. Ellis Industries, Toronto 1, Ont.

Langham Thompson Ltd., J., 176 High Road, Bushey Heath, Watford, Herts., Eng. Rep. by: Electromechanical Products, Agincourt, Ont.

Leak Co. Ltd., H. J., Brunel Road, London, W. 3, Eng. Rep. by: Astral Electric Co. Ltd., Toronto 13, Ont.

Etablissements Legpa, 25 rue Ganneron, Paris 18e, France. Represented by: Emile Tasso - Agencies, Montreal 25, Que.

Lenco Ltd., Friedeggstrasse 5, Burgdorf BE, Switzerland. Represented by: Mustmart of Canada Ltd., Montreal, Que.

Leonische Drahtwerke A.G., Nuernberg, Germany. Rep. by: Ahearn and Soper Co. Ltd., Ottawa, Ont.

Lindeteves-Jacoberg N.V., (A.I.), Nieuwmarkt 17-23, Amsterdam, C, Holland. Represented by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

Lister & Co. Ltd., R. A., Dursley, Glos., England. Rep. by: Canadian Lister-Blackstone Ltd., Toronto 13, Ont.

Lodge Plugs Ltd., Rugby, England. Represented by: Aviation Electric Ltd., Montreal 9, Que.

Londex Ltd., 207 Anerley Rd., London, S.E. 20, Eng. Rep. by: Electrovert Ltd., Montreal 1, Que.

London Electrical Manufacturing Co. Ltd., Beaver Lane, Hammersmith, London, W. 6, England. Represented by: Desser E-E Limited, Montreal 1, Que.

Maschinenfabrik Lorenz, A.G., Ettlingen-Baden, Germany. Represented by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

Lucas (G.T.E.) Ltd., Joseph, Birmingham, England. Rep. by: Lucas-Rotax Ltd., Toronto, Ont.

Lustraphone Ltd., St. Georges Works, Regents Park Rd., London N.W. 1, England. Represented by: Canadian Marconi Co., Montreal 16, Que.

D & B Sound & Signals Inc., Montreal, Que.

E.M.I.-Cossor Canada Ltd., Montreal, Que.

Industrial & Institutional Communications Ltd., Wallaceburg, Ont.

Luxor Industri Aktiebolag, Motala, Sweden. Represented by: Smyth Electronic Components Ltd., Montreal 1, Que.

## M

M.S.S. Leak Co., Ltd., Colnbrook, Bucks, England. Represented by: Astral Electric Co., Ltd., Toronto 13, Ont.

M & C Switchgear, Kelvinside Works, Kirkintilloch, Glasgow, Scotland. Represented by: Peacock Brothers Ltd., Montreal 3, Que.

Madan & Company Ltd., Charles S., Vortex Works, Broadheath, Altrincham, England. Represented by: Peacock Brothers Ltd., Montreal 3, Que.

Majestic Winding Co., 180 Windham Rd., Bournemouth, England. Represented by: Industrial & Institutional Communications Ltd., Wallaceburg, Ont.

AB Malcus Holmquist, Halmstad Sweden. Represented by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

Marconi Instruments Ltd., St. Albans, Herts., England. Represented by: Canadian Marconi Co., Montreal, Que.

Marconi International Marine Co., Chelmsford, Essex, England. Represented by: Canadian Marconi Co., Montreal, Que.

Marconi's Wireless Telegraph Co. Ltd., Marconi House, Chelmsford, Essex, England. Represented by: Canadian Marconi Co., Montreal, Que.

Marconi's Wireless Telegraph Co. Ltd., representative - B. G. H. Rowley, c/o Canadian Marconi Co., 2442 Trenton Ave., Montreal 16, Que.

Mavor & Coulson Ltd., Bridgeton Glasgow, S.E., Scotland. Rep. by: Peacock Brothers Ltd., Montreal 3, Que.

Mayr, Josef, Electrotechnische Fabrik, (12a) Uttenreuth bei Erlangen, Germany. Rep. by: Associated Electronic Components Ltd., Toronto 12, Ont.

McMurdo Instrument Co., Tube Socket & Connector Div., Ashstead, Surrey, Eng. Rep. by: Pfeiffer Electronic Laboratories, Trenton, Ont.

Mechans Ltd., Scotstoun Iron Works, Glasgow, W. 4, Scotland. Represented by: Peacock Brothers Ltd., Montreal 3, Que.

Medelec Ltd., 37a Commercial Rd., Woking, Surrey, Eng. Rep. by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

Mercer Ltd., Thos., Eyewood Rd. St. Albans, England. Rep. by: Hildon Corporation Ltd., Toronto 2B, Ont.

Gebr. Merten, Gummersbach, Rheinland, Germany. Rep. by: Daveco Agencies Ltd., Montreal 29, Que.

**Aetra Instruments Corp.**, Prague, Czechoslovakia. Represented by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

**Aetrawatt**, Nurnberg, Germany. Represented by: Electrodesign, Montreal, Que.

**Aicafil Ltd.**, Badenerstrasse 780, Zurich, Switzerland. Rep. by: Brown Boveri (Canada) Ltd., Montreal 1, Que.

**Carl Hirschmann Co.** of Canada Ltd., Toronto 18, Ont.

**Aicanite & Insulators Co. Ltd.**, Empire Works, Blackhorse Lane, Walthamstow, London, E. 17, England. Represented by: Electrovert Ltd., Montreal 1, Que.

**Micro-Methods Ltd.**, East Ardsley, Wakefield, Yorkshire, England. Represented by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

**Microwave Instruments Ltd.**, West Chirton Industrial Estate, North Shields, Northumberland, England. Represented by: Avionics Ltd., Niagara-on-the-Lake, Ont.

**Midland Electric Mfg. Co. Ltd.**, Birmingham, England. Rep. by: F. D. Bolton Ltd., Vancouver 4, B.C.

**C.H.F. Mueller Aktiengesellschaft**, Monckebergstrasse 7, Hamburg 1, Germany. Represented by: Philips Electronics Industries Ltd., Leaside, Ont.

**Muirhead & Co. Ltd.**, Beckenham, Kent, England. Represented by: Muirhead Instruments Ltd., Stratford, Ont.

**Mullard Equipment Ltd.**, Mullard House, Torrington Place, London, W.C. 1, England. Represented by: Canadian Motorola Electronics Ltd., Toronto 18, Ont.

**Philips Electronics Industries Ltd.**, Leaside, Ont.

**Radio Trade Supply Ltd.**, Toronto, Ont.

**Mullard Overseas Ltd.**, Torrington Place, London, W.C. 1, England. Represented by: The Glendon Co. Ltd., Toronto 14, Ont.

**Multicore Solders Ltd.**, Hemel Hempstead, Herts., England. Represented by: Charles W. Pointon Ltd., Rexdale, Ont.

**Multitone Electric Co. Ltd.**, 12-20 Underwood St., London, N. 1, England. Represented by: Multitone of Canada Ltd., Toronto 7, Ont.

**Murex Ltd.**, Powder Metallurgy Div., Rainham, Essex, England. Represented by: Paisley Products of Canada Ltd., Scarborough, Ont.

**Murphy Radio Limited**, Welwyn Garden City, Herts., England. Represented by: Tele-Radio Systems Ltd., Toronto 9, Ont.

## N

**Nagard Ltd.**, Avenue Rd., Belmont, Surrey, Eng. Rep. by: Electrodesign, Montreal, Que.

**Nalder Bros. & Thompson Ltd.**, 97 Dalston Lane, London, E. 8, England. Represented by: E.C.C. Canada Ltd., Toronto 15, Ont.

**Nash & Thompson Ltd.**, Oakcroft Rd., Chessington, Surrey, England. Represented by: Emile Tasso - Agencies, Montreal 25, Que.

**Neosid Ltd.**, Welwyn Garden City, Herts., England, and Sydney, Australia. Represented by: Neosid (Canada) Ltd., Toronto 18, Ont.

**Josef Neuberger**, Steinerstrasse 16, Muenchen 25, Germany. Represented by: Associated Electronic Components Ltd., Toronto 12, Ont.

**Newall Machine Tool Co. Ltd.**, Alexander S., 287 Finchley Rd., London, N.W. 3, Eng. Rep. by: Hope Machinery Co., Toronto 2, Ont.

**Nippon Electric Co.**, 2 Shiba Mita Shikoku Machi, Manito-Ku, Tokyo, Japan. Represented by: Standard Telephones & Cables Mfg. Co. (Canada) Ltd., Montreal, Que.

**Nistri-O.M.I. Corporation**, Rome, Italy. Represented by: Computing Devices of Canada Ltd., Ottawa, Ont.

**Nordmende K.G.**, Diederich Wilkens Strasse, Bremen, Germany. Represented by: Geerz & Holm Canada Ltd., Vancouver 5, B.C.

## O

**Oerlikon Machine Tool Works**, Buehrle & Co., Oerlikon, Zurich 50, Switzerland. Represented by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

**Oryx Electrical Laboratories Ltd.**, 9 Holmbrook Rd., Hendon, London, England. Rep. by: Len Finkler Limited, Toronto 12, Ont.

**Osaka Onkyo Co. Ltd.**, 32 Omiya-nishino-cho 5-chome, Asahi-ku, Osaka, Japan. Rep. by: Daveco Agencies Ltd., Montreal 29, Que.

**Oxley Developments Ltd.**, Priory Park, Ulverston, Lancashire, England. Rep. by: Pfeiffer Electronic Laboratories, Trenton, Ont.

## P

**Pailard S. A.**, Switzerland. Represented by: Garlick Films Ltd., Toronto 19, Ont.

**Painton & Co. Ltd.**, Electrical Component Manufacturers, Kingsthorpe, Northampton, England. Represented by: Pfeiffer Electronic Laboratories, Trenton, Ont.

**Partridge Transformers Ltd.**, Roebuck Rd., Chessington, Surrey, England. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Canadian Electrical Supply Co.**, Montreal, Que.

**Electro Sonic Supply Co. Ltd.**, Toronto 5, Ont.

**Peerless Fabrikkerne A/S**, 11 Gladsaxevej, Copenhagen, Denmark. Represented by: Associated Electronic Components Ltd., Toronto 12, Ont.

**Pelapone Engines Ltd.**, 38-40 Bruton St., London, W. 1, England. Represented by: Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd., Streetsville, Ont.

**Perdeck Solder Products Ltd.**, Abbey Mills, Waltham Abbey, Essex, England. Represented by: Canavia Engineering & Sales Co., Malton, Ont.

**Found Bros. Aviation Limited**, Malton, Ont.

**Permanoid Ltd.**, New Islington, Manchester 4, Eng. Rep. by: Musimart of Canada Ltd., Montreal, Que.

**Philips Electrical Limited**, Shaftesbury Ave., London, W.C. 2, England. Represented by: Philips Electronics Industries Ltd., Leaside, Ont.

**N. V. Philips Gloeilampen-fabrieken**, Eindhoven, Holland. Represented by: Philips Electronics Industries Ltd., Leaside, Ont.

**N. V. Philips Telecommunicatie Industrie**, Hilversum, Holland. Represented by: Canadian Motorola Electronics Ltd., Toronto 18, Ont.

**Physica G.m.b.H.**, Goettingen, West Germany. Represented by: S.I.D.A.M. Ltd., Rexdale, Ont.

**Phywe A.G.**, Goettingen, West Germany. Represented by: S.I.D.A.M. Ltd., Rexdale, Ont.

**Heimut K. Pinsch**, Suederstrasse 131, Hamburg, Germany. Represented by: Daveco Agencies Ltd., Montreal 29, Que.

**Pittler Maschinenfabrik A.G.**, Pittlerstrasse, Langen, Bez. Ffm., Germany. Represented by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

**Pixberg & Co.**, Bergneustadt, Rhld., Germany. Rep. by: Canadian Research Institute, Toronto 5, Ont.

**Plessey International Limited**, Ilford, Essex, Eng. Rep. by: Plessey Co. of Canada Ltd., Town of Mount Royal, Que.

**Pye Cambridge Ltd.**, Cambridge, England. Represented by: Barvic Engineering Ltd., Vancouver 1, B.C.

**Pye & Co. Ltd.**, W.G., Granta Works, Newmarket Rd., Cambridge, England. Rep. by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

## Q

**Quarzkeramik G.m.b.H.**, Muenchen, Germany. Rep. by: Ahearn and Soper Co. Ltd., Ottawa, Ont.

## R

**R. L. Engineers Ltd.**, Dursley, Glos., England. Represented by: Canadian Lister-Blackstone Ltd., Toronto 13, Ont.

**Racal Engineering Ltd.**, Western Rd., Bracknell, Berks., England. Represented by: Intronics Ltd., Stittsville, Ont.

**Radio Heaters Ltd.**, Eastheath Ave., Wokingham, Berks., England. Represented by: Dominion Electrohome Industries Ltd., Kitchener, Ont.

**Radiometer**, 72 Emdrupvej, Copenhagen NV, Denmark. Represented by: Bach-Simpson Ltd., London, Ont.

**Radioton**, Ritterstrasse 9-10, Berlin SW 61, Germany. Rep. by: Daveco Agencies Ltd., Montreal 29, Que.

**Radiovisor Parent Ltd.**, Stanhope Works, High Path, London, S.W. 19, England. Represented by: Dominion Electrohome Industries Ltd., Technical Products Div., Kitchener, Ont.

**Rainbow Radio Mfg. Co. Ltd.**, Mincing Lane, Blackburn, Lancs., England. Represented by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

**Range Electronics Co. Ltd.**, The, 3-7 Windmill Lane, Stratford, London, E. 15, Eng. Rep. by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

**Rank Cintel Ltd.**, Worsley Bridge Rd., Lower Sydenham, London, S.E. 26, England. Represented by: Canadian Applied Research Ltd., Toronto 19, Ont.

**Century Electric Co.**, Montreal, Que.

**E.M.I.-Cossor Electronics Ltd.**, Montreal, Que.

**Ransome & Marles Bearing Co. Ltd.**, Newark-on-Trent, England. Represented by: R & M Bearings Canada Ltd., Montreal, Que.

**Rapid Magnetic Machines Ltd.**, Lombard St., Birmingham 12, England. Represented by: Kenny Consolidated Engineering Industries Ltd., Toronto, Ont.

**Mine Equipment Co. Ltd.**, Montreal 28, Que.

**Rawplug Co. Ltd.**, The, Cromwell Rd., London, S.W. 7, England. Represented by: Rawplug Products (Canada) Ltd., Montreal 28, Que.

**Record Electrical Co. Ltd.**, The, Broadheath, Altrincham, Cheshire, England. Rep. by: R. H. Nichols Ltd., Downsvlew, Ont.

**Redifon Ltd.**, Broomhill Rd., London, S.W. 18, Eng. Rep. by: Redifon Canada, Montreal 8, Que.

**Powertronic Equipment Ltd.**, Toronto 16, Ont.

**Reishauer Tool Works Ltd.**, Zurich, Switzerland. Rep. by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

**Reproducers and Amplifiers Ltd.**, Frederick St., Wolverhampton, Staffs., England. Represented by: Astral Electric Co. Ltd., Toronto 13, Ont.

**Barvic Engineering Ltd.**, Vancouver 1, B.C.

**Reslosound Ltd.**, Spring Gardens, London Rd., Romford, Essex, Eng. Represented by: Smyth Electronic Components Ltd., Montreal 1, Que.

**Rheinisch-Westfaelische Isolatoren-Werke, G.m.b.H.**, Dattenfeld/Sieg, Germany. Represented by: Associated Electronic Components Ltd., Toronto 12, Ont.

**Ribet-Desjardins**, 13-19 rue Perier, Montrouge (Seine), France. Represented by: Electroline Television Equipment Inc., Montreal 26, Que.

**Rigby Ltd.**, Robert, Premier Works, Northington St., London, W.C. 1, England. Rep. by: Caldwell A/V Equipment Co. Ltd., Toronto 5, Ont.

**Rigid Limited**, Norschach, Switzerland. Represented by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

**Robot-Foto G.m.b.H.**, Aachener Strasse 21, Dusseldorf, West Germany. Represented by: Canadian Applied Research Ltd., Toronto, Ont.

**Rohde & Schwarz**, Tassilostrasse 7, Muenchen 9, Germany. Rep. by: Ahearn and Soper Company Ltd., Ottawa, Ont.

**Roia Celestion Ltd.**, Ferry Works, Summer Rd., Thames Ditton, Surrey, England. Represented by: Charles W. Pointon Ltd., Rexdale, Ont.

**Ronette**, Amsterdam, Holland. Represented by: Seabreeze Sales Limited, Toronto 18, Ont.

**AB Rosenfors Bruk**, Rosenfors, Sweden. Represented by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

**Rotax Ltd.**, Willesden Junction, London, England. Represented by: Lucas-Rotax Ltd., Toronto, Ont.

**Gebr. Ruhstrat**, Lange Geismartstrasse 68-75, Gottingen, West Germany. Represented by: Eberdt Co., Montreal, Que.

**Thermovolt Instruments Ltd.**, Toronto 18, Ont.

## S

**S.A.E.S.**, Getters, Milan, Italy. Represented by: Edwards High Vacuum (Canada) Ltd., Burlington, Ont.

**S.A.F.T. Accumulateurs**, Route Nationale (Pont de la Folle), Romainville (Seine), France. Represented by: Ward Leonard of Canada Ltd., Toronto 16, Ont.

**SPE Co. Ltd.**, Edinburgh Ave., Trading Estate, Slough, Bucks., England. Represented by: Canadian Applied Research Ltd., Toronto, Ont.

**S & S Electronics Ltd.**, Chiltern Works, Severalls Ave., Chesham, Berks., England. Represented by: Barvic Engineering Ltd., Vancouver 1, B.C.

**S. Samulevitz**, 27 Sct. Knudsvej, Copenhagen V, Denmark. Rep. by: Associated Electronic Components Ltd., Toronto 12, Ont.

**Sanders (Electronics) Ltd.**, W. H. Gunnels Wood Rd., Stevenage, Herts., England. Represented by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

**Prince & Roberts Ltd.**, Toronto, Ont.

**Sanwa Electric Instrument Works**, Tokyo, Japan. Represented by: The Crawford Radio, Hamilton, Ont.

**R. Mack Co. Ltd.**, Vancouver, B.C.

**Savage & Parsons Ltd.**, Watford Herts., England. Represented by: Mechtron Engineering Products Ltd., Ottawa, Ont.

**Schomandl K. G.**, Belfortstrasse 6-8, Muenchen 8, Germany. Represented by: Intronics Ltd., Stittsville, Ont.

**Jorgen Schou**, Industrigarden, 86 Finsensvej, Copenhagen F, Denmark. Represented by: Associated Electronic Components Ltd., Toronto 12, Ont.

**Tage Schouboe**, Skyttegade 7, Copenhagen 9, Denmark. Rep. by: Associated Electronic Components Ltd., Toronto 12, Ont.

**Schulze & Naumann**, Frohnhauserstrasse 56, Essen, Germany. Represented by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

**Scott & Co. (Electrical Engineers) Ltd.**, James, Carnytne Industrial Estate, Glasgow, Scotland. Represented by: Ferranti-Packard Electric Ltd., Toronto 15, Ont.

**Seeley & Co. Ltd.**, 137/139 Euston Rd., London, N.W. 1, England. Represented by: Seeley & Co. (Canada) Ltd., Rexdale, Ont.

**Seisin Trading Co. Ltd.**, CPO Box 569, Tokyo, Japan. Rep. by: Daveco Agencies Ltd., Montreal 29, Que.

**Servisol Limited**, Liverpool, England. Represented by: Payette Radio Ltd., Montreal, Que.

**Shackman & Sons, D.**, 4 Golden Square, London, W. 1, England. Represented by: Mitchell Photo Supply Ltd., Montreal, Que.

**Siedle**, Furtwangen/Schwarzwald, Germany. Represented by: Geerz & Holm Canada Ltd., Vancouver 5, B.C.

**Siemens Edison Swan Ltd.**, London, England. Rep. by: R. Mack Co. Ltd., Vancouver, B.C. Siemens Edison Swan (Canada) Ltd., Winnipeg, Man.

**Siemens-Schuckert (Great Britain) Ltd.**, Great West Rd., Brentford, Middlesex, Eng. Represented by: Peacock Brothers Ltd., Montreal 3, Que.

**Siemens-Schuckertwerke A.G.**, Erlangen, Berlin, Nuernberg, Bad Neustadt/Saale, Amberg, Muehlheim/Ruhr, Germany. Represented by: Ahearn and Soper Co. Ltd., Ottawa, Ont.

**Siemens & Halske A.G.**, Muenchen, Berlin, Karlsruhe and Braunschweig, Germany. Represented by: Ahearn and Soper Co. Ltd., Ottawa, Ont. Electrodesign, Montreal, Que.

**Sifam Electrical Instrument Co., Ltd.**, Leigh Court, Higher Lincombe Rd., Torquay, Devon, England. Represented by: Mechron Engineering Products Ltd., Ottawa, Ont.

**Simonsen Radio**, Oslo, Norway. Represented by: Canadian Marconi Co., Montreal, Que.

**Simon Sound Services Ltd.**, Recorder House, 46-50 George St., Portman Square, London, W. 1, England. Represented by: E.M.I.-Cossor Electronics Ltd., Montreal, Que.

**Siskol Machines Ltd.**, Siskol Works, Peniston Rd., Sheffield 6, England. Represented by: Peacock Brothers Ltd., Montreal 3, Que.

**Societe Ohmic**, 69 Rue Archereau, Paris, France. Represented by: Pfeiffer Electronic Laboratories, Trenton, Ont.

**Sodeco**, Societe des Compteurs de Geneve, Grand Pre 70, Geneva 16, Switzerland. Rep. by: The J. W. Ellis Industries, Toronto 1, Ont.

**Solartron Electronic Group Ltd.**, The, Thames Ditton, Surrey, England.

**Southern Instruments Ltd.**, Frimley Rd., Camberley, Surrey, England. Represented by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

**A. Sprenger**, Hamburg, Germany. Represented by: Mechron Engineering Products Ltd., Ottawa, Ont.

**Stability Capacitors Limited**, Raven Rd., South Woodford,

London, E. 18, England. Rep. by: Smyth Electronic Components Ltd., Montreal 1, Que.

**Standard Electric Lorenz A.G.**, Hellmuth-Hirth-Strasse 42, Stuttgart-Zuffenhausen, Germany. Represented by: Standard Telephones & Cables Mfg. Co. (Canada) Ltd., Montreal, Que.

**Standard Telephone & Radio S.A.**, Seestrasse 395, Zurich, Switzerland. Represented by: Standard Telephones & Cables Mfg. Co. (Canada) Ltd., Montreal, Que.

**Standard Telephones & Cables Ltd.**, Connaught House, 63 Aldwych, London, W.C. 2, Eng. Represented by: Standard Telephones & Cables Mfg. Co. (Canada) Ltd., Montreal, Que.

**Staub & Co., Richterswil**, Switzerland. Represented by: Canadian Research Institute, Toronto 5, Ont.

**Stratton & Co. Ltd.**, Eddystone Works, Alvechurch Rd., Birmingham 31, Eng. Rep. by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont. Gabriel Aero-Marine Instruments Ltd., Halifax, N.S. (Maritime Provinces).

**Fritz Studer A.G.**, Glockenthal-Thun, Switzerland. Rep. by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

**Stuzzi Radiotechnischer Betrieb**, Stattermayergasse 30, Vienna, Austria. Represented by: Atlas Radio Corp. Ltd., Toronto 19, Ont.

**Sufex Limited**, 35 Baker St., London, W. 1, Eng. Rep. by: Smyth Electronic Components Ltd., Montreal 1, Que.

**Sugden (Engineers) Ltd., A. R.**, Market St., Brighouse, Yorks., England. Represented by: Astral Electric Co. Ltd., Toronto 13, Ont.

**Sullivan Ltd., H. W.**, 72 Leo St., London, S.E. 15, England. Represented by: Ahearn and Soper Co. Ltd., Ottawa, Ont.

**Suzuki Denki Co. Ltd.**, Tokyo, Japan. Represented by: Smyth Electronic Components Ltd., Montreal 1, Que.

**Switchgear & Equipment Ltd.**, Banbury, England. Rep. by: E.C.C. Canada Ltd., Toronto 15, Ont.

**Taylor Controls Limited**, 75 Hale End Rd., Walthamstow, London, E. 17, England. Represented by: Taylor Instrument Companies of Canada Ltd., Toronto 19, Ont.

**Taylor Electrical Instruments Ltd.**, 419/424 Montrose Ave., Slough, Bucks., Eng. Rep. by: Conway Electronic Enterprises Reg'd, Toronto 10, Ont.

**Taylor-Short & Mason Limited**, London, England. Rep. by: Taylor Instrument Companies of Canada Ltd., Toronto 19, Ont.

**Teddington Controls Ltd.**, Cefn, Coed, Merthyr Tydfil, South Wales. Represented by: Aviation Electric Ltd., Montreal 9, Que.

**Teddington Industrial Equipment**, Sunbury-on-Thames, Middlesex, England. Rep. by: Aviation Electric Ltd., Montreal 9, Que.

**Telco**, Paris, France. Rep. by: A. C. Wickman Ltd., Toronto 14, Ont.

**Telcon Magnetic Cores**, Airdrie, Lanarkshire, Scotland. Rep. by: Mechron Engineering Products Ltd., Ottawa, Ont.

**Telefonaktiebolaget L.M. Ericsson**, Stockholm, 32, Sweden. Represented by: Ericsson Telephone Sales of Canada Ltd., Montreal, Que.

**Telefunken G.m.b.H.**, Berlin, Bangnang, Ulm, Germany. Represented by: Ahearn and Soper Co. Ltd., Ottawa, Ont.

**Telegraph Condenser Co. Ltd.**, The, North Acton, London, W. 3, England. Represented by: The Telegraph Condenser Co. (Canada) Ltd., Toronto 15, Ont.

**Telegraph Construction & Maintenance Co. Ltd.**, The, London, England. Rep. by: Canada Wire and Cable Co. Ltd., Toronto 17, Ont.

**Telephone Manufacturing Co. Ltd.**, Hollingsworth Works, Martell Rd., West Dulwich, London, S.E. 21, Eng. Rep. by: Telephone Manufacturing Co. Ltd., Toronto, Ont.

**Teleglobe Ltd.**, 313 Chase Rd., Southgate, London, N. 14, England. Represented by: Canadian Electronics Ltd., Edmonton, Alta.

**Thermionic Products (Electronics) Ltd.**, Shore Rd., Hythe, Southampton, England. Rep. by: Avionics Ltd., Niagara-on-the-Lake, Ont.

**Tinsley & Co. Ltd., H.**, London, S.E. 25, England. Rep. by: Tinsley Instruments (Canada) Ltd., Smiths Falls, Ont.

**Torotor A.S.**, Kollegvej 6, Charlottenlund-Copenhagen, Denmark. Represented by: Associated Electronic Components Ltd., Toronto 12, Ont.

**Trumeter Co. Ltd.**, Milltown St., Radcliffe, Manchester, Lancs., England. Represented by: Dominion Electrohome Industries Ltd., Technical Products Div., Kitchener, Ont.

**Truvox Ltd.**, Neasden Lane, London, N.W. 10, England. Represented by: Norris Burgess, Toronto 7, Ont.

**Tufnol Ltd.**, Berry Bar, Birmingham, England. Rep. by: E.C.C. Canada Ltd., Toronto 5, Ont.

**Turner Electrical Inst. Ltd.**, Ernest, Chiltern Works, Totteridge Ave., High Wycombe, Bucks., England. Rep. by: R. H. Nichols Ltd., Downsview, Ont.

**Turners Asbestos Cement Co. Ltd.**, Trafford Park, Manchester 17, Lancs., England. Rep. by: H. P. Ruggles Co., Ltd., Hamilton, Ont.

**United Insulator Division of The Telegraph Condenser Co. Ltd.**, Oakcroft Rd., Chessington, Surrey, England. Rep. by: The Telegraph Condenser Co. (Canada) Ltd., Toronto 15, Ont.

**Urbank & Co.**, Gertrudstrasse 24, (13a) Nurnberg, Germany. Rep. by: Emile Tasso - Agencies, Montreal 25, Que.

**Venner Accumulators Ltd.**, Kingston By-Pass, New Malden, Surrey, England. Rep. by: Silvercel of Canada Ltd., Toronto 14, Ont.

**Venner Electronics Ltd.**, Kingston By-Pass, New Malden, Surrey, England. Rep. by: Electrolabs, Montreal, Que.

**Vinten Limited**, N. Circular Rd., Cricklewood, London, N.W. 2, England. Represented by: Computing Devices of Canada Ltd., Ottawa, Ont.

**Vitality Bulbs**, London, England. Represented by: Pfeiffer Electronic Laboratories, Trenton, Ont.

**Vitavox Limited**, Westmoreland Rd., London, N.W. 9, England. Represented by: Astral Electric Co. Ltd., Toronto 13, Ont.

**Wandl & Goltermann**, Reutlingen, Germany. Rep. by: R-O-R Associates Ltd., Don Mills, Ont.

**Wandelside Cable Works Ltd.**, London, England. Rep. by: Mechron Engineering Products Ltd., Ottawa, Ont.

**Watchstones Co. Ltd.**, Thun, Switzerland. Represented by: Avionics Ltd., Niagara-on-the-Lake, Ont.

**Watcliff Co. Ltd.**, Lombard Rd. Morden Rd., South Wimbledon, London, S.W. 19, Eng. Rep. by: The Glendon Co. Ltd., Toronto 14, Ont.

**Wayne Kerr Laboratories Ltd.**, Roebuck Rd., Chessington, Surrey, England. Represented by: The Glendon Instrument Co. Ltd., Scarborough, Ont.

**C. A. Weidmuller KG**, Berlebeck bei Detmold, Germany. Represented by: Electrovert Ltd., Montreal 1, Que.

**Maschinenfabrik Weingarten A.G.**, Weingarten/Wuertt, Germany. Represented by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

**Weir Limited, G. & J.**, Cathcart, Glasgow, S. 4, Scotland. Rep. by: Peacock Brothers Ltd., Montreal 3, Que.

**WGW G.m.b.H.**, Postfach 80, Bochum, Germany. Rep. by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

**Wandl & Goltermann**, Reutlingen, Germany. Rep. by: R-O-R Associates Ltd., Don Mills, Ont.

**Wandelside Cable Works Ltd.**, London, England. Rep. by: Mechron Engineering Products Ltd., Ottawa, Ont.

**Watchstones Co. Ltd.**, Thun, Switzerland. Represented by: Avionics Ltd., Niagara-on-the-Lake, Ont.

**Watcliff Co. Ltd.**, Lombard Rd. Morden Rd., South Wimbledon, London, S.W. 19, Eng. Rep. by: The Glendon Co. Ltd., Toronto 14, Ont.

**Wayne Kerr Laboratories Ltd.**, Roebuck Rd., Chessington, Surrey, England. Represented by: The Glendon Instrument Co. Ltd., Scarborough, Ont.

**C. A. Weidmuller KG**, Berlebeck bei Detmold, Germany. Represented by: Electrovert Ltd., Montreal 1, Que.

**Maschinenfabrik Weingarten A.G.**, Weingarten/Wuertt, Germany. Represented by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

**Weir Limited, G. & J.**, Cathcart, Glasgow, S. 4, Scotland. Rep. by: Peacock Brothers Ltd., Montreal 3, Que.

**Weilwyn Electrical Laboratories Ltd.**, Bedlington, Northumberland, England. Represented by: Weilwyn Canada Ltd., London, Ont.

**Westinghouse Brake & Signal Co. Ltd.**, 82 Yorkway, King's Cross, London, N. 1, Eng. Rep. by: R. H. Nichols Ltd., Downsview, Ont.

**Hermann Wetzler KG**, Pfronten-Ried/Bayern, West Germany. Rep. by: J. W. Ellis Industries, Toronto 1, Ont.

**Wharfedale Wireless Works Ltd.**, Idle, Bradford, Yorkshire, England. Represented by: Smyth Electronic Components Ltd., Montreal 1, Que.

**Whiteley Electrical Radio Co. Ltd.**, Victoria St., Mansfield, Notts., England. Rep. by: E.M.I.-Cossor Electronics Ltd., Montreal, Que.

**Williamson Mfg. Co. Ltd.**, Hawthorn Rd., Willesden Green, London, N.W. 10, England. Represented by: Canadian Applied Research Ltd., Toronto, Ont.

**Winston Electronics Ltd.**, Shepperton, Middlesex, England. Represented by: Mechron Engineering Products Ltd., Ottawa, Ont.

**Wirepots Ltd.**, Rainham, England. Represented by: Payette Radio Ltd., Montreal, Que.

**WOTAN - Werke G.m.b.H.**, Reisholzer Werkstrasse 76, Dusseldorf - Holthausen, Germany. Represented by: Cosa Corp. of Canada Ltd., Toronto 14, Ont.

**Wright's Ropes Ltd.**, Birmingham 9, England. Rep. by: Peacock Brothers Ltd., Montreal 3, Que.

**Zeva Elektricitats-Ges.**, Holzstrasse 28-30, Muenchen 5, Germany. Represented by: Associated Electronic Components Ltd., Toronto 12, Ont.

**Smits & Laubmeyer, K.G.**, Postfach 76, (16) Arolsen (Waldeck), Germany. Rep. by: Smyth Electronic Components Ltd., Montreal 1, Que.

## W

## Z

# Equipment and Components

Addresses of firms listed in this section can be found in the Canadian, United States and United Kingdom listing of manufacturers and suppliers.

Canadian listing page 62  
 United States listing page 78  
 United Kingdom listing page 96

## Accumulators

- Accumulators** ..... 1
- Alpha Aracon Radio Co. Ltd. 1.
  - Aviation Electric Ltd. 1.
  - Bendix-Pacific Div., Bendix Aviation Corp. 1.
  - Delta Aircraft Equipment Ltd. 1.
  - Dycon Ltd. 1.
  - Higginson Equipment Sales Ltd. 1.
  - Payette Radio Ltd. 1.
  - Radio Trade Supply Ltd. 1.
  - Railway & Power Engineering Corp. Ltd. 1.
  - Siemens Edison Swan (Canada) Ltd. 1.
  - Ward Leonard of Canada Ltd. 1.

## Adapters

- Battery Tube** ..... 2
- Accurate Electronics Corp. 1.
  - Alpha Aracon Radio Co. Ltd. 1-2.
  - Barnes Development Co. 2.
  - Bern and Company Ltd., Lee 1-2.
  - Canadian Electrical Supply Co. Ltd. 2.
  - Canadian Electronics Ltd. 1-2.
  - Canadian Research Institute (2).
  - Cohen Ltd., William 2.
  - Crawford Radio, The 2.
  - Electronic Sonic Supply Co. Ltd. 1-2.
  - Finkler Ltd., Len 2.
  - General Communications Ltd. 1.
  - Gould Sales Co., E. S. 2.
  - Lake Engineering Co. Ltd. (2).
  - Radio Trade Supply Ltd. 1-2.
  - Smith Ltd., Irving 1.
  - Stark Electronic Sales Co. (2).
  - Vis-U-All Products Co. 2.
  - Ward Leonard of Canada Ltd. 1.
  - Western Agencies Ltd. 1-2.
  - Wholesale Radio & Electronics Ltd. 1-2.

## Adhesives

- Adhesives** ..... 1
- Andersen & Co., Ltd., A. A. 1.
  - Armour Alliance Industries and Armour & Co. 1.
  - Aviquipo of Canada Ltd. 1.
  - Borden Chemical Co., A Div. of The Borden Co. 1.
  - Brady Co. of Canada Ltd., W. H. (1).
  - Canadian Electronics Ltd. 1.
  - Connecticut Hard Rubber Co. 1.
  - Crawford Radio, The 1.
  - Dow Corning Silicons Ltd. (1).
  - Emerson & Cuming, Inc. 1.
  - Foster & Sons Ltd., Anthony 1.
  - General Cement Mfg. Co. — Div. of Textron Inc. 1.
  - Goodrich Canada Ltd., B. F. (1).
  - Howard & Co. Ltd., M. J. 1.
  - Long Sault Woodcraft Ltd. (1).
  - Minnesota Mining & Mfg. of Canada Ltd. (1).
  - Morningstar-Paisley, Inc. 1.
  - Radio Trade Supply Ltd. 1.
  - Railway and Power Engineering Corp. Ltd. 1.
  - Rubber & Asbestos Corp. 1.
  - Sauerreisen Cements Co. 1.
  - Walco Electronics Mfg. Co. — Div. of Textron Inc. 1.

**NOTE**

In order to assist in the distinction between Canadian firms and others the names of Canadian firms have been preceded by an asterisk.

Canadian manufactured items are indicated by a parenthesis around the item number.

## Air Cleaners, Electronic

- Air Cleaners, Electronic** .... 1
- Beckman Instruments, Inc., Helipot Div. 1.
  - Higginson Equipment Sales Ltd. 1.
  - Honeywell Controls Ltd. (1).
  - Kent Engineering Co. 1.
  - Peacock Bros. Ltd. 1.
  - Smith Ltd., Irving 1.

## Ammeters

- Ammeters, R-F** ..... 2
- Aeromotive Engineering Products Ltd. 1.
  - Ahearn and Soper Co. Ltd. 1-2.
  - Alpha Aracon Radio Co. Ltd. 1-2.
  - Associated Electronic Components Ltd. 1-2.
  - Atlas Radio Corp. Ltd. 1-2.
  - Aviation Electric Pacific Ltd. 1.
  - Bach-Simpson Ltd. (1)-(2).
  - Baldwin Industrial Controls 1.
  - Bepeco Canada Ltd. (1).
  - Bern and Company Ltd., Lee 1-2.
  - Cambridge Instrument Co., Ltd. 1.
  - Canadian Electrical Supply Co. Ltd. 1-2.
  - Canadian Electronics Ltd. 1-2.
  - Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 2.
  - Canadian Research Institute (1)-(2).
  - Clairtone Sound Corp. Ltd. 1.
  - Conway Electronic Enterprises Reg'd 1-2.
  - Cooper & Co. Ltd., W. H. I.
  - Crawford Radio, The 1-2.
  - Daystrom Ltd. (1)-(2).
  - E.C.C. Canada Ltd. 1.
  - Electrodesign 1.
  - Electrolabs 1.
  - Electronic Components Ltd. 1.
  - Electronic Sonic Supply Co. Ltd. 1-2.
  - Ellis Industries, The J. W. 1.
  - English Electric Co. Ltd., The 1.
  - Evershed and Vignoles Ltd. 1.
  - Finkler Ltd., Len 1-2.
  - Fraser Ltd., George M. 1.
  - P. Gossen & Co. G.m.b.H. 1.

- Greibach Instruments Corp. 1.
- Helipot Div. of Beckman Instruments Inc. (1).
- Honeywell Controls Ltd. (1).
- Kahnert Sales Ltd., R. C. 1.
- Kin Tel, A Div. of Cohu Electronics, Inc. 1.
- Mack Co. Ltd., R. 1-2.
- Manis Associates Reg'd, Ben (1).
- Mechron Engineering Products Ltd. 1-2.
- Merritt Co., Ron 1.
- Nichols Ltd., R. H. 1.
- Northern Electric Co. Ltd. 1-2.
- Payette Radio Ltd. 1-2.
- Pitt Distributing Co. Ltd. 1.
- Precision Apparatus Co., Inc. 1.
- Quan-Tech Laboratories 1.
- RCA Victor Co. Ltd. 1-2.
- Radio Trade Supply Ltd. 1-2.
- Record Electrical Co. Ltd., The 1.
- Robinson Co., C. M. 1-2.
- Ross & Sons Ltd., Frank T. 1-2.
- S.I.D.A.M. Ltd. 1.
- Showalter, R. J. 1.
- Sifam Electrical Instrument Co. Ltd. 1-2.
- Simmonds & Sons Ltd., A. C. (1).
- Simpson Electric Co. 1-2.
- Smith Ltd., Irving 1-2.
- Stark Electronic Sales Co. (1)-(2).
- Tecneek Associates 1.
- Tenatronics Ltd. 1.
- Thermavolt Instruments Ltd. 1-2.
- Tilton Ltd., John R. 1-2.
- Triplett Electrical Instrument Co., The 1-2.
- Varah Ltd., L. A. 1-2.
- Waldom Electronics Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1-2.
- Western Agencies Ltd. 1-2.
- Whittaker, E. E. 1-2.
- Wholesale Radio & Electronics Ltd. 1-2.
- Willard Spenser Co. 2.

## Amplifiers

- Audio Frequency ..... 1
- Audio Input Systems ..... 2
- Audio Subminiature ..... 3
- Computer ..... 4
- D-C ..... 5
- Decade ..... 6
- Differential ..... 7
- Distribution ..... 8
- F-M and A-M Antenna .... 9

- I-F ..... 10
- Magnetic ..... 11
- Medical Instrument ..... 12
- Microwave ..... 13
- Microwave Radar ..... 14
- Musical Instrument ..... 15
- Photocell ..... 16
- Power ..... 17
- Printed Circuit ..... 18
- Pulse ..... 19
- Recording ..... 20
- Strain Gauge ..... 21
- Sweep ..... 22
- Television ..... 23
- Transistor ..... 24
- Ultrasonic ..... 25

- Acme Electric Corp. Ltd. (11).
- Acme Electric Corp. 11.
- Acoustical Manufacturing Co. Ltd. (1).
- Acromag, Inc. 4-11-21.
- Acton Laboratories, Inc. 1-6-17.
- Addison Industries Ltd. (1)-(17).
- Aeromotive Engineering Products Ltd. (1)-(2)-(3)-(4)-(7)-(18).
- Ahearn and Soper Co. Ltd. 4-5-9-13.
- Airborne Accessories Corp. 11-17-24.
- Airborne Instruments Lab., A Div. of Cutler-Hammer, Inc. 5-10-12-13-14.
- Aircrom Inc. 13-14.
- Aircraft-Marine Products of Canada, Ltd. (19).
- Airmec Ltd. 4-5.
- Airpax Electronics Inc. 1-4-5-7-11-17-21.
- Alpha Aracon Radio Co. Ltd. 1-3-4-5-6-8-9-11-17-18-20-23-24.
- Altec Lansing Corp. 1-2-3-17-18.
- American Electronic Laboratories, Inc. 5-7-12-23-24.
- Amos of Exeter Ltd. 5-9.
- Amplex American Corp. (1)-(4).
- Amplivox (Canada) Ltd. (12)-(18).
- Amplivox Exports Ltd. 24.
- Arnold Magnetics Corp. 11.
- ARVA Inc. (7)-(21).
- Associated Electronic Components Ltd. 6-10-18-23.
- Astral Electric Co., Ltd. 1.
- Atlantic Research Corp. 25.
- Atlas Instrument Corp. Ltd. 5-13-19-20-21.
- Atlas Radio Corp. Ltd. 1-9-16.
- Atlas-Werke AG. 5.
- Audio Instrument Co., Inc. 6.
- Audio-Vox-Intercom Inc. (1).
- Automatic Telephone & Electric Co. Ltd. 1-9.
- Aviation Electric Ltd. 11-16.
- Avionics Ltd. (18).
- Balley Meter Co. Ltd. (5)-(20).
- Barber-Colman Co. 11.
- Bardwell Co., L. J. 1.
- Barvic Engineering Ltd. (1)-(2)-9-12-13-23-24-25.
- Bayly Engineering Ltd. (11)-20-21.
- Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (1)-(7)-(10)-(13)-(14)-(18).
- Beama Engineering Ltd. (1)-(8)-(9).
- Beatty Bros. Ltd. (9).
- Beckman Instruments Inc. (5)-(11).
- Beckman/Berkeley Div. 4.
- Beckman/Systems Div. 5-7-24.

- Belanger, Omer 1-2-8-15-20.
- Benco Television Associates Ltd. (9)-(23)-(24).
- Bendix-Pacific Div., Bendix Aviation Corp. 21.
- Bern and Company Ltd., Lee 9-16-17-18.
- Beppo Canada Ltd. (4)-(5)-(11)-(16)-(17)-(18)-(19)-(20)-(21)-(24)-(25).
- Best Co., John 16.
- Bliss Electronic Corp. 5.
- Blonder-Tongue Laboratories, Inc. 1-8-9-23.
- Blunt Ltd., L. G. 23.
- Bogen-Presto Co. 1-2-10-11-17-20-24.
- Brian Engineering Ltd. 5.
- Bristol Co. of Canada Ltd., The (20)-(21).
- A/S Bruel & Kjaer 1-6-20-21.
- Brush Instruments 5-7-17-20-21.
- Buckland Co., Robert J. 1-9-17-24.
- Budelman Electronics Corp. 13.
- Bulova Watch Co., Electronics Div. 1-2-3-5-17-18-19.
- Burgess, Norris 1-18-24.
- Burr-Brown Research Corp. 1-4-5-6-7-18-24-25.
- C. G. Electronics Corp. 3-5-7-13-17-18-19-24.
- Canadian Applied Research Ltd. (11)-(13)-(19).
- Canadian Aviation Electronics Ltd. (1)-(4)-(5)-(10)-(18)-(19)-(24).
- Canadian Electrical Supply Co. Ltd. 1-2-9-15-22-24.
- Canadian Electronics Ltd. 1-2-3-9-15-17-20-24-25.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1-2-3-(17)-(20)-(23).
- Canadian General Electric Co. Ltd., Electronic Tube Section (Radiovalve Co. Ltd.) 1.
- Canadian Marconi Co. 13.
- Canadian Pratt and Whitney Aircraft Co., Ltd. 11-24.
- Canadian Westinghouse Co. Ltd. (4)-(5)-(7)-(10)-(13)-(14)-(18)-(19)-(20)-(22)-(24).
- Canadian Research Institute (1)-(2)-(5)-(12)-(16)-(17)-(20)-(24)-(25).
- Centralab Div. of Globe Union Inc. 1-3-12-18-24.
- Central Dynamics Ltd. (4)-(16)-(18)-(24).
- Centronix Inc. 1-2-3-4-13-20-21-24.
- Chisholm Industries Ltd. (1)-(17).
- Clairstone Sound Corp. Ltd. (1).
- Clark Ltd., Alex L. 17.
- Collins Radio Co. of Canada Ltd. (13).
- Computing Devices of Canada Ltd. 4-(24).
- Consolidated Controls Corp. 5-11-24.
- Constellation Components Co. 5-19-24.
- Control, A. Div. of Magnetics Inc. 11-17.
- Control Electronics Co., Inc. 10-13-14-19-24.
- Cossor Instruments Ltd. 5-8-12.
- Conway Electronic Enterprises Reg'd 1-3-4-5-6-7-8-9-10-11-12-13-16-17-19-20-21-22-24-25.
- Crawford Associates, Allan 4-5.
- Crawford Radio, The 1-9-10-17.
- Cubic Corp. 5.
- D & B Sound and Signals Inc. 1-2-3-17-24.
- A/S Danavox 3-24.
- Daveco Agencies Ltd. 1-15.
- Dayrand Ltd. (1)-(24).
- Daystrom Ltd. 1-2-4-5-7-9-16-17-20-21.
- Daytronic Corp. 21.
- Desklin Sales Co., A. 23.
- DI/An Controls, Inc. 1-17.
- Dominion Electrohome Industries Ltd. (1)-(17).
- Dominion Machinery & Equipment Co. 1-2-8-17-20.
- Dorsett Laboratories, Inc. 17.
- Douglas Microwave Co., Inc. 13-14.
- E.M.I.-Cossor Electronics Ltd. (1)-(4)-(5)-(6)-(7)-(8)-(16)-(18)-(19)-(22)-(24)-(25).
- E.M.I. Electronics Ltd. 5-7-8-12-23-24.
- Elder Electronics 21.
- Electrodesign 1-5-6-8-10-17-20-21.
- Electro Instruments, Inc. 1-4-5-6-7-12-16-17-18-19-21-24.
- Electrolabs (1)-2-6-12-17-18-24.
- Electroline Television Equipment Inc. 1-8-23.
- Electromechanical Products 1-2-3-4-5-6-7-13-14-17-18-19-20-21-24-25.
- Electronic Associates Ltd. (1)-(2)-(4)-(7)-(12)-(16)-(19)-(24).
- Electronic Controls Ltd. (11).
- Electronic Enterprises Ltd. (15).
- Electronic Materiels International Ltd. (1)-(2)-(3)-(5)-(9)-(10)-(11)-(20)-(24).
- Electronic Research Associates, Inc. 1-3-5-24.
- Electronic Research & Development Co. Ltd. (1)-(2)-23.
- Electronic Tube Corp. 5-7-8-12-17-19-21-22-24.
- Electronics International Co. 1-17.
- Electro Sonic Supply Co. Ltd. 1-2-3-8-9-10-15-17-18-23-24.
- Ellis Industries, The J. W. 24.
- Empire Devices Products Corp. 13-14.
- Engineered Sound Systems Ltd. (1)-(2)-(17)-24.
- English Electric Co. Ltd. 11.
- Epsco, Inc. 5-7-18-21.
- Erle Resistor of Canada Ltd. 1.
- Erle Resistor Corp. 18.
- Evershed-Powertronic Ltd. (5)-(16).
- Evershed and Vignoles Ltd. 5.
- FXR Inc. 13-14-19.
- Fairchild Recording Equipment Corp. 17.
- Farnell Instruments Ltd. 21.
- Feedback Controls, Inc. 4-11-24.
- Ferranti Packard Electric Ltd. (4)-(18).
- Ferrotran Electronics Co., Inc. 1-2-3-5-10-17-24.
- Fielden Electronics Ltd. 5-24.
- Finkler Ltd., Len 1.
- Fleming Radio (Developments) Ltd. 8-18.
- Franklin Electronics Inc. 5-7-19.
- Fraser Ltd., George M. 4-11.
- Garrett Mfg. Corp. of Canada, Ltd., The (3)-(4)-(5)-(11)-(18)-(19)-20-21-(24).
- General Communication Co. 1-10-13.
- General Communications Ltd. 20-25.
- General Instrument — F. W. Sickles of Canada Ltd. (11).
- General Radio Co. (Canadian Branch Office) (1)-(5)-(10)-(17)-(19).
- General Radio Co. 1-5-10-17-19-25.
- General Sound & Theatre Equipment Ltd. 1-2-8-16-23.
- Glendon Instrument Co. Ltd., The 5-12-13-14-16-21.
- Goodmans Industries Ltd. 1-17-23.
- P. Gossen & Co. G.m.b.H. 5-24.
- Gould Sales Co., E. S. 1-18.
- Gray Ltd., H. Roy 1.
- Hackbusch Electronics Ltd. (1)-(2)-3-9-(15)-17-18-24.
- Hammer Electronics Co., Inc. 5-7.
- Hart Electronics Ltd. 1-2-9-14.
- Helland Div., Minneapolis-Honeywell 21.
- Herring & Co. Ltd., John 16.
- Hewlett-Packard Co. 1-13.
- Honeywell Controls Ltd. (11)-(21).
- Hoover Electronics Co. 18-24.
- Hughes Products 13.
- Hummel, William M. 10-24.
- Industrial Development Engineering Associates Ltd. 1-17-18-24.
- Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd. (11).
- Industrial Test Equipment Co. 1-4-17.
- Industrial & Institutional Communications Ltd. 1-2.
- Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 1-9-20.
- Instronics Ltd. 4-5-6-7-12-17-18-19-20-21-24.
- Instrument Laboratories 1-24.
- Instruments for Industry, Inc. 10-17-19-24.
- Isotope Developments Ltd. 19.
- Jerrold Electronics (Canada) Ltd. (8)-(9)-(23).
- Johnson Co., E. F. 1-17.
- Kahnert Sales Ltd., R. C. 1-15.
- Kay Electric Co. 1-22-23-24.
- Kelvin Electric Co. 11.
- Kelvin & Hughes (Canada) Ltd. 12-13-14-18-20-21-25.
- Kelvin & Hughes Ltd. 5-20-21-24-25.
- Kidde & Co. of Canada Ltd., Walter (1)-(5)-(11)-(16)-(19)-(24)-(25).
- Kin Tel, A Div. of Cohu Electronics, Inc. 5-7-12-20-21.
- Dipl. Ing. Ulrich Knick 5.
- LEL, Inc. 1-10-12-13-14-19-24.
- Lake Engineering Co. Ltd. 18.
- Lenco Ltd. 24.
- Leonard Electric Ltd. 11-24.
- Lomas, E. G. 9-10-13-14-18-19-23-24.
- Lustraphone Ltd. 24.
- MEL Sales Ltd. 1-3-13-22-24.
- Machinery Electrification Inc. 16.
- MacIvor Electronics Ltd. 1-2-8-15-16.
- MacQuarrie Sales, J. J. 1-11.
- Magnetics Inc. 11-17.
- Manis Associates Reg'd, Ben (9).
- Marconi's Wireless Telegraph Co. Ltd. 1-2-17-23.
- Marsland Engineering Ltd. (24).
- Martin Engineering Inc. 16.
- McCurdy Radio Industries Ltd. (1)-(2)-(4).
- McIntosh Laboratory Inc. 1-17-20.
- Measurement Engineering Ltd. (1)-(2)-(8)-(11)-(16)-(17)-21-(24)-25.
- Mechron Engineering Products Ltd. 20-21-24.
- Melody Master Mfg. Co. 1-15.
- Merritt Co., Ron 1-2-8-17.
- Microwave Associates, Inc. 13.
- Microwave Systems 1-20-21.
- Mohawk Business Machines Corp. 3-11-18-20-24.
- Multitone Electric Co. Ltd. 1.
- Murphy Radio Ltd. 1-10-18-19-23-24-25.
- Nagard Ltd. 5.
- Narda Microwave Corp., The 13.
- National Sound Services Ltd. (1)-(2)-(17).
- Nichols Ltd., R. H. 5.
- Northern Electric Co. Ltd. (1)-(13)-(14).
- Northern Radio Co., Inc. 1-18.
- Northern Radio Mfg. Co. Ltd. (1)-(2)-(17)-(18).
- Nortronics Co., Inc. 20.
- Pacific Communications Services Ltd. 1.
- Paco Electronics Co., Inc. 1.
- Payette Radio Co. 9-15-17-20-23-24.
- Peffer Sound Systems Ltd. 1-2-17-20-24.
- Philbrick Researchers, Inc., George A. 4-5-8-12-16-18-24.
- Phlco Corp. of Canada Ltd. 13-23-24.
- Phillips Electronics Industries Ltd. (1)-(5)-(9)-13-14-(17)-(21).
- Photomation, Inc. (formerly Ess Instrument Co.) 16-20.
- Photon Instrument Co. 5-12-20-21.
- Plessey Co. of Canada Ltd. (1)-(9).
- Pointon Ltd., Charles W. 1-2.
- Polyphase Instrument Co. 21.
- Polystronics Co. (11)-(16)-(17)-(18).
- Polytechnic Research & Development Co., Inc. 13.
- Powertronic Equipment Ltd. (11)-(17).
- Pye Canada Ltd., Transmission Div. 1-2-8-9-13-17-19-(23).
- Pye & Co. Ltd., W. G. 5.
- Pylon Electronic Development Co., Ltd. (24).
- Quan-Tech Laboratories 1-5-6-7-12-18-21-24.
- RCA Victor Co. Ltd. (1)-(2)-(13)-(17)-(20)-(23).
- R-O-R Associates Limited 4-5-6-7-10-20-21.
- Radiation, Inc. 9-10-13-14.
- Radio Engineering Products (1).
- Radiometer 1.
- Radionics Ltd. 5-10-12-13-14-20-21.
- Radio Trade Supply Ltd. 1-2-8-9-10-16-17-18-20-23-24.
- Railway & Power Engineering Corp. Ltd. 5-11-20.
- Ram Electronics, Inc. 22-23.
- Randall (Canada) Ltd., Douglas 4-5-11.
- Rank Cintel Ltd. 21.
- Rauland-Borg Corporation 1-24.
- Raytheon Canada Ltd. (13)-(14).
- Redifon Canada, A Division of Redifusion Inc. 1-2-4-11.
- Redifon Ltd. 2-8-9-17-24.
- Reeves Instrument Corp. 4-5.
- Research Instrumentation Ltd. (1)-(2)-(3)-(4)-(6)-(7)-(8)-(12)-(19)-(20)-(25).
- Robertshaw-Fulton Controls Company, Aeronautical & Instrument Division 24.
- SEG Electronics Co., Inc. 23.
- Sanborn Co. 5-7-12-17-20-21-24.
- Scientific-Atlanta, Inc. 13.
- Scott & Co. (Electrical Engineers) Ltd., James 1-24.
- Seabreeze Sales Ltd. (1).
- Servo Corp. of America 11.
- Servomechanisms (Canada) Ltd. (4)-(11)-(18)-24.
- Shamban & Co., W. S. 18.
- Sheppard, R. D. B. 13.
- Sherrwood Electronic Laboratories, Inc. 1.
- Siemens Edison Swan (Canada) Ltd. 1-11-16.
- Sierra Electronic Corp. 13-14-17-19.
- Sigma Instruments, Inc. 11.
- Simpson Mfg. Co. Inc., Mark 1-2-9-15-16-17-20-24.
- Sinclair Radio Labs. Ltd. (1)-(3)-(5)-(6)-(17)-(18)-(24).
- Smyth Electronic Components Ltd. 1-2-6-13-14-17.
- Soundmaster Ltd. (1)-(2)-(3)-(12)-(15)-(17)-(20)-(24)-(25).
- Southern Instruments Ltd. 5-16-20-21.
- Southwestern Industrial Electronics Co. 1-2-4-5-7-11-20-21-24.
- Sparton of Canada Ltd. (1).
- Spectrol Electronics Corp. 5-24.
- Spencer-Kennedy Laboratories, Inc. 8-18-19-23.
- Sperry Gyroscope Co. of Canada Ltd. (4)-(5)-(11)-(14)-(17)-(18)-(24).
- Sperry Gyroscope Ottawa Ltd. 1.
- Spivey, Inc., James S. 5.
- Sprague International Ltd. 11-18.
- Stancil-Hoffman Corp. 20.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1-4-13-14.
- T.M.C. (Canada) Ltd. (1)-(8)-(17).
- Taber Instrument Corp. 1-2-3-6-7-12-17-18-21-24.
- Tatnall Measuring and Nuclear Systems 21-25.
- Tecneq Associates 6-11-17-20-21.
- Tektronix Inc. (1)-(5)-(7)-(12)-(19)-(21).
- Tektronix Inc. (Portland, Ore.) 12.
- Telecom Ltd. 1-17.
- Telephone Mfg. Co. Ltd. 1-2.
- Tequipment Mfg. Co. Ltd. 1-9-23.
- Tele-Radio Systems Ltd. 13-17-(24).
- Telex, Inc. 1-3-4-11-18-24.
- Tel-Instrument Electronics Corp. 8-17-23.
- Texas Instruments Incorporated 5-10-20-21.
- Thompson Ltd., Chas. L. 1-2-24.
- Thompson Products Ltd. (1)-8-17-23.
- Tilton Ltd., John R. 1-2-24.
- Tinsley Instruments (Canada) Ltd. (5)-(16).
- Titania Electronic Corp. of Canada Ltd. 3-5-6-12-20-21-25.
- Topping Electronics Ltd., F. V. (1)-(2)-(3)-(18)-(24).
- Transonic Ltd. (19)-(25).
- Triad Instruments & Controls Ltd. (1)-(7)-(12)-(17)-(24).
- Tullamore Electronics Corp., (A Sub. of The Victoreen Instrument Co.) 5-19.
- United-Carr Fastener Co. of Canada Ltd. (18).
- Varah Ltd., L. A. 1-2-9-16-17-18-20-24.
- Vari-L Co., Inc. 11.
- Vector Labs. Inc. (1)-(4)-(5)-(7)-(12)-(16)-(17)-(24).
- Venner Electronics Ltd. 1-3-24.
- Vickers Inc., Electric Products Div. 5-11-17-21-24.
- Waldom Electronics Inc. 8.
- Waterloo Electronics Supply Co. Ltd. 1-2-8-24.
- Westbury Electronics (Canada) Ltd. 8-9-11-18-22-23-24.
- Westbury Electronics, Inc. 10-11-23-24.
- Western Agencies Ltd. 1-2-3-8-9-10-17-22-23-24.
- Westronic Engineering Sales (A Div. of L. A. Varah Ltd.) 1-2.
- Whiteley Electrical Radio Co. Ltd. 1-2-3-8-10-15-17-18-24.
- Wholesale Radio & Electronic Ltd. 1-2-3-8-9-16-17-18-20-24.
- Wickman Ltd., A. C. 5-6-7-12-20-21.
- Willard Spenser Co. 1-2-3-4-13-14-24.
- Zacharias Electronics Corp. 1-2-3-5-6-7-12-18-21-24-25.

## Analizers

|                 |    |
|-----------------|----|
| Audio Amplifier | 1  |
| Capacitor       | 2  |
| Circuit         | 3  |
| Distortion      | 4  |
| Frequency       | 5  |
| Gas             | 6  |
| Harmonic        | 7  |
| Noise           | 8  |
| Spectrum        | 9  |
| Transistor      | 10 |
| Vibration       | 11 |
| Wave            | 12 |

• Aerovox Canada Ltd. 2.

- Ahearn and Soper Canada Ltd. 4-5-8-9-10-11-12.
- Airmec Ltd. 7-10.
- Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-7.
- American Electronic Laboratories, Inc. 11.
- Amos of Exeter Ltd. 3.
- Associated Electrical Industries Canada) Ltd. (5)-(11).
- Atlas Instrument Corp. Ltd. 4-5-7-8-10-11-12.
- Atlas-Werke AG. 6.
- Audio Instrument Co., Inc. 1-4.
- Bach-Simpson Ltd. 1-2-(3)-4-5-7-8-12.
- Bailey Meter Co. Ltd. (6).
- Barnes Development Co. 2.
- Bayly Engineering Ltd. (4).
- Beckman Instruments Inc. (6).
- Bern and Co. Ltd., Lee 1-2-3-4-5-10-12.
- Bliss Electronic Corp. 2.
- A/S Bruel & Kjaer 1-4-5-7-8-9-11-12.
- Burgess, Norris 2-10.
- California Technical Industries Div. of Textron Inc. 3.
- Canadian Aviation Electronics Ltd. (1)-(2).
- Canadian Electrical Supply Co. Ltd. 1-2-3.
- Canadian Electronics Ltd. 2-3-5-10.
- Canadian Liquid Air Co. 6.
- Canadian Marconi Co. 4-7-9-10-12.
- Canadian Research Institute (1)-(2)-(3).
- Canavia Engineering & Sales Co. 6.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9-10-11-12.
- Cooper & Co. Ltd., W. H. 3.
- Cornell-Dubilier Electric Corp. 2.
- Crawford Radio, The 2.
- Daly (Condensers) Ltd. 2.
- Dawe Instruments Ltd. 12.
- Daystrom, Ltd. 1-2-(3)-4-5-7.
- Domac Technical Sales Ltd. 9.
- E.M.I.-Cossor Electronics Ltd. 2-3-4-5-7-8-9-(10)-11-12.
- Electrodesign 6-8-9-11.
- Electro Instruments, Inc. 2-10.
- Electromechanical Products 2-8-10.
- Electronic Materials International Ltd. (11).
- Electronic Research Associates, Inc. 10.
- Electro Sonic Supply Co. Ltd. 2-3-10.
- Ellis Industries, The J. W. 6.
- Empire Devices Products Corp. 3-4-7-8-12.
- Erwood Inc. 11.
- FXR Inc. 9.
- Ferrotran Electronics Co., Inc. 10.
- Fischer & Porter Co. 6.
- Fisher Scientific Co. Ltd. (6).
- Garrett Mfg. Corp. of Canada, Ltd., The 11-12.
- General Communications Ltd. 3.
- General Radio Co. (Canadian Branch Office) (1)-(8)-(11)-(12).
- General Radio Co. 4-5-7-8-11-12.
- Glendon Instrument Co. Ltd., The 4-5-6-8-10-11-12.
- Goodmans Industries Ltd. 11.
- Hackbusch Electronics Ltd. 5.
- Hermes Electronics Co. (New name for Hycon-Eastern Inc.) 5-9.
- Hewlett-Packard Co. 4-7.
- Honeywell Controls Ltd. (5)-(9)-(11)-(12).
- Howard & Co. Ltd., M. J. 2.
- Industrial Test Equipment Co. 1-4-7.
- Instronics Ltd. 5-7-9.
- Instrument Laboratories 3.
- Jackson Electrical Instrument Co. 2.
- Johnson-Williams, Inc. 6.
- Kay Electric Co. 1-5-8-9-10-11-12.
- Kelvin & Hughes Ltd. 6.
- Kingston Electronics, Div. of Kingston Industries, Inc. 3.
- Kistler Instrument Corp. 11.
- Lomas, E. G. 5.
- MEL Sales Ltd. 1-2-4-5-7-8-9-11-12.
- Mack Co. Ltd., R. 10.
- Martin Engineering Inc. 11.
- Measurements Corp., A McGraw-Edison Div. 4.
- Mechron Engineering Products Ltd. 10.
- Micrometrical Mfg. Co. 5-8-11.
- Multhead Instruments Ltd. 5-7-8-9-11-12.
- Multhead & Co. Ltd. 1-4-5-7-8-11-12.
- NRC Equipment Corp. 6.
- Nichols Ltd., R. H. 6-10.

- Paco Electronics Co., Inc. 2-3-10.
- Payette Radio Ltd. 1-2-3-5-8-10.
- Peschel Electronics, Inc. 3.
- Philips Electronics Industries Ltd. (11).
- Polarad Electronics Corp. 5-9.
- Polytechnic Research & Development Co. Inc. 9.
- Precision Apparatus Co., Inc. 3-10.
- Pye & Co. Ltd., W. G. 6.
- Quan-Tech Laboratories 3-4-5-7-8-9-11-12.
- RCA Victor Co. Ltd. 4-5-7.
- R-O-R Associates Ltd. 1-4-5-7-8-9-11-12.
- Racal Engineering Ltd. 9.
- Radiometer 4-5-7-12.
- Radionics Ltd. 1-5-9-11.
- Radio Trade Supply Ltd. 1-2-3-4-5-7-10-11-12.
- Rinco, Inc. 2.
- Rutherford Agencies 2.
- Schomandl 5-9.
- Scott & Co. (Electrical Engineers) Ltd., James 1-7-8-9-11-12.
- Seco Mfg. Co. 3.
- Shallcross Mfg. Co. 3.
- Siemens Edison Swan (Canada) Ltd. 5-7-12.
- Sierra Electronic Corp. 1-4-5-7-9-12.
- Simpson Electric Co. 2-3-10.
- Smyth Electronic Components Ltd. 3-5.
- Southwestern Industrial Electronics Co. 6-8-11.
- Sperry Gyroscope Co. of Canada Ltd. 9-11.
- Sprague International Ltd. 2-10.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 9.
- Stark Electronic Sales Co. 2-(3)-5-10.
- Stelma, Inc. 4.
- T.M.C. (Canada) Ltd. 9.
- Taylor-Leslie Mining & Engineering Corp. Ltd. 10.
- Technical Products Co., Instrument Div. 5-9-11-12.
- Tecneek Associates 2-3-6-8.
- Tele-Radio Systems Ltd. 4-5-12.
- Tel-Instrument Electronics Corp. 11.
- Tellurometer Canada Ltd. 6.
- Tempo Instrument Inc. 3.
- Thermovolt Instruments Ltd. 6.
- Thompson Ltd., Chas. L. 2.
- Tilton Ltd., John R. 1-2-3.
- Titania Electric Corp. of Canada Ltd. 2-11.
- Tullamore Electronics Corp. (A Sub. of The Victoreen Instrument Co.) 9.
- Varah Ltd., L. A. 2-4.
- Waterloo Electronics Supply Co. Ltd. 2-3-10.
- Western Agencies Ltd. 1-2.
- Wholesale Radio & Electronics Ltd. 1-2-3-10.
- Wickman Ltd., A. C. 5-9.
- Willard Spenser Co. 12.

## Antenna Equipments

|                              |   |
|------------------------------|---|
| Feed Systems .....           | 1 |
| Pedestals, Gear Driven ..... | 2 |
| Radar .....                  | 2 |
| Reflectors .....             | 3 |
| Rotators .....               | 4 |
| Towers and Supports .....    | 5 |
| Tuning Units .....           | 6 |

- Adams Engineering Ltd. 1-3-5.
- Ahearn and Soper Co. Ltd. 6.
- Aircrom Inc. 1.
- Airtron Canada Ltd. (1)-(2)-(3).
- Airtron Inc., A Div. of Litton Industries 1-5.
- Alpha Aracon Radio Co. Ltd. 1-4-5-6.
- Amphenol Canada Ltd. (3).
- Andrew Antenna Corp. Ltd. (1)-(3)-(5)-(6).
- Antlab Inc. 2-4-5.
- Atlas Radio Corp. Ltd. 1.
- Aviation Electric Ltd. 5.
- Aviation Electric Pacific Ltd. 2-5.
- Avtek Systems Engineering Ltd. (6).
- Barron, William T. 4.
- Barvic Engineering Ltd. 1.
- Beacoring Optical & Precision Materials Co. Ltd. (BOP Ltd.) (1)-(2)-(6).
- Beama Engineering Ltd. (5).
- Beatty Bros. Ltd. (5).
- Beechey Enterprises 5.
- Belling & Lee Ltd. 5.
- Benco Television Associates Ltd. (5).
- Bern and Company Ltd., Lee 4-5.
- Blonder-Tongue Laboratories, Inc. 1.

- Brown Boveri (Canada) Ltd. (1)-(3)-(5)-(6).
- C. G. Electronics Corp. 2-3-4.
- Canadian Bridge Works, Div. of Dominion Steel and Coal Corp. Ltd. (5).
- Canadian Electrical Supply Co. Ltd. 1-4-5-6.
- Canadian Electronics Ltd. 1-3-4-5.
- Canadian Motorola Electronics Ltd. 3-4.
- Canadian Westinghouse Co. Ltd. (1).
- Canavia Engineering & Sales Co. 3-4.
- Clark Ltd., Alex L. 2-3-4.
- Collins Radio Co. of Canada Ltd. (1)-3-5-6.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6.
- Cornell-Dubilier Electric Corp. 4.
- Dayrand Ltd. 1-3.
- Daystrom Instrument, Div. of Daystrom, Inc. 2.
- Decca Radar (Canada) Ltd. 2-3-4-5.
- Delhi Metal Products Ltd. (5).
- Delta Aircraft Equipment Ltd. 1.
- Dominion Aluminum Fabricating Ltd. (3)-(5).
- Electromechanical Products 2-6.
- Electronic Materials International Ltd. (1)-(6).
- Electronic Research & Development Co. Ltd. 5-(6).
- Electro Sonic Supply Co. Ltd. 1-4-5-6.
- Emerson & Cuming, Inc. 3.
- Fleet Manufacturing Ltd. (1)-(2)-(3)-(5).
- Found Bros. Aviation Ltd. (2)-(3)-(4)-(5).
- Frequency Standards 1-6.
- Garrett Mfg. Corp. of Canada, Ltd., The 4.
- Glendon Co. Ltd., The 3.
- Gould Sales Co., E. S. 4.
- Hackbusch Electronics Ltd. 3-6.
- Hart Electronics Ltd. 2.
- Howard & Co. Ltd., M. J. 1-3.
- Hummel, William M. 4.
- Instronics Ltd. 1.
- Johnson Co., E. F. 4.
- Kelvin & Hughes (Canada) Ltd. 2-3.
- Kitchener Electronic Industries Ltd. (4).
- Lomas, E. G. 3.
- Long Sault Woodcraft Ltd. (3).
- MEL Sales Ltd. 3.
- MacQuarrie Sales, J. J. 5.
- Marconi's Wireless Telegraph Co. Ltd. 2-3-5.
- McCarter Radio & Television Ltd. (1)-(3)-(5)-(6).
- Measurement Engineering Ltd. (6).
- Micro-Tower Ltd. 3-(5).
- Microwave Systems 2-4.
- Millard Electric Ltd. (5).
- Mitchell Electronics, J. C. E. 1.
- Mosley Electronics, Inc. 1-6.
- Norrich Plastics Corp., Div. Norrich Screw Machine Products 4.
- Payette Radio Ltd. 4-5.
- Philco Corp. of Canada Ltd. 1-5.
- Pioneer Industries Inc. 5.
- Pointon Ltd., Charles W. 4.
- Pye Canada Ltd., Transmission Div. 1-3-5-6.
- RCA Victor Co. Ltd. (3)-(5)-(6).
- Radiation, Inc. 1.
- Radio Merchandise Sales, Inc. 4.
- Radionics Ltd. 1-4.
- Radio Trade Supply Ltd. 1-4-5-6.
- Reeves Instrument Corp. 2.
- Rohn Manufacturing Co. 5.
- Scientific-Atlanta, Inc. 2-4.
- Sinclair Radio Labs. Ltd. (1)-(2)-(3)-(4)-(5)-(6).
- Smyth Electronic Components Ltd. 2.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. (6).
- T.M.C. (Canada) Ltd. 5-(6).
- Tequipment Mfg. Co. Ltd. (5).
- Tele-Radio Systems Ltd. 1-3.
- Thompson Ltd., Chas. L. 5.
- Tower Construction Co. 3-5.
- Varah Ltd., L. A. 3-5-6.
- Waldom Electronics Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1-4-5.
- Westbury Electronics, Inc. 2.
- Western Agencies Ltd. 1-3-4-5-6.
- Wholesale Radio & Electronics Ltd. 4-5.
- Willard Spenser Co. 1-2-3-4-5-6.
- Wind Turbine Co. of Canada Ltd., The (1)-(3)-(4)-(5)-(6).

## Antennas

|  |    |
|--|----|
| Airborne Radar Spinner .....                   | 1  |
| Aircraft Type .....                            | 2  |
| All Wave Receiving .....                       | 3  |
| Broadcast Station .....                        | 4  |
| Directional .....                              | 5  |
| Dummy Loads .....                              | 6  |
| Fixed Station Systems .....                    | 7  |
| F-M Receiver .....                             | 8  |
| F-M Transmitter .....                          | 9  |
| Ground Plane .....                             | 10 |
| Loop .....                                     | 11 |
| Marine .....                                   | 12 |
| Master Community .....                         | 13 |
| Microwave Radar Receiving & Transmitting ..... | 15 |
| Rotary Beam .....                              | 16 |
| Television .....                               | 17 |

- Adams Engineering Ltd. 14.
- Aeronautical Electronics, Inc. 9-10.
- Ahearn and Soper Co. Ltd. 3-5-6-7-8-9-11-12-14.
- Aircrom Inc. 14-15.
- Airtron Canada Ltd. (1)-(2)-(6)-(14)-(15).
- Airtron Inc., A Div. of Litton Industries 6.
- Alford Manufacturing Co. 4-14.
- Alpha Aracon Radio Co. Ltd. 3-5-6-7-8-10-11-12-13-16-17.
- American Electronic Laboratories, Inc. 14.
- American Electronics Co. 3-8-9-15-17.
- Amphenol Canada Ltd. (5)-(8)-(12)-(13)-(17).
- Andrew Antenna Corp. Ltd. (4)-(5)-(7)-(9)-(10)-(14).
- Antenna Specialists Co. 2-3-5-7-8-9-10.
- Antiference (Canada) Ltd. (8)-(17).
- Astral Electric Co., Ltd. 3-8.
- Atlas Radio Corp. Ltd. 3-5-8.
- Aviation Electric Ltd. 1-2-12-14-15.
- Aviation Electric Pacific Ltd. 1-2-8-9-10-11.
- Avtek Systems Engineering Ltd. (2).
- Barvic Engineering Ltd. 3-8-9-12-13-17.
- Bayly Engineering Ltd. (6).
- Beacoring Optical & Precision Materials Co. Ltd. (B O P Ltd.) (5)-(14)-(15).
- Beama Engineering Ltd. (3)-(8)-(17).
- Beatty Bros. Ltd. (4)-(13).
- Beechey Enterprises 6.
- Belling & Lee Ltd. 3-8-17.
- Benco Television Associates Ltd. (13).
- Bendix Aviation Corp., Bendix-Pacific Div. 1-12-15.
- Bendix Aviation Corp., Scintilla Div. 6.
- Bern and Company Ltd., Lee 4-13-17.
- Blunt Ltd., L. G. 14.
- Brown Boveri (Canada) Ltd. (4)-(5)-(6)-(7)-(9)-(14).
- Buckland Co., Robert J. 2-3-5-8-9-10-12-16-17.
- Burgess, Norris 8-17.
- CBC Electronics Co., Inc. 8.
- C. G. Electronics Corp. 2-5-6-10-14-15.
- Canadian Aviation Electronics Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 3-8-9-11-13-17.
- Canadian Electronics Ltd. 1-3-5-6-8-10-12-13-17.
- Canadian General Electric Co. Ltd., Electronic Tube Section (Radiovalve Co. Ltd.) 8.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. (1)-4-5-9-14-(1p).
- Canadian Marconi Co. 4-12-17.
- Canadian Motorola Electronics Ltd. (8)-(9)-(10)-(14).
- Canadian Pratt and Whitney Aircraft Co. Ltd. 2-15.
- Canadian Westinghouse Co. Ltd. (1)-(5).
- Cohen Ltd., William 17.
- Colben Manufacturing Co. Ltd. (3)-(5)-(8)-(9)-(13)-(17).
- Collins Radio Co. of Canada Ltd. (2)-4-(3)-(6)-(7)-(9)-(11)-(14)-(16).
- Columbia Wire & Supply Co. 3.
- Consolidated Wire and Associated Cos. 3.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17.
- Cornell-Dubilier Electric Corp. 3-8-17.
- Crawford Radio, The 3-5-10-16-17.

- Custom Components, Inc. 6.
- Dale Products, Inc. 2.
- Dayrand Ltd. 1-4-5-7-8-9-10-12-14.
- Decca Radar (Canada) Ltd. 15.
- Delhi Metal Products Ltd. (3)-(8)-16-(17).
- Delta Aircraft Equipment Ltd. 2-3-5-6-14-15.
- Deskin Sales Co., A. 13.
- Dominion Aluminum Fabricating Ltd. (14).
- Douglas Microwave Co., Inc. 5-6-14.
- E.M.I.-Cossor Electronics Ltd. 4-8-9.
- Electroline Television Equipment Inc. 13-14-17.
- Electromechanical Products 5.
- Electronic Materials International Ltd. (2)-(3)-(7)-(8)-(9)-(11).
- Electronic Research & Development Co. Ltd. (9).
- Electro Sonic Supply Co. Ltd. 3-5-6-8-10-11-13-16-17.
- Empire Devices Products Corp. 14.
- FXR Inc. 6-14-15.
- Finkler Ltd., Len 17.
- Finney Co., The 8-17.
- Fleet Mfg. Co. Ltd. (14)-(15).
- Foster & Sons Ltd., Anthony 2.
- Frequency Standards 14.
- General Cement Mfg. Co. — Div. of Textron Inc. 8-17.
- General Communication Co. 14.
- General Radio Co. (Canadian Branch Office) (6).
- General Sound & Theatre Equipment Ltd. 8-13-17.
- Glendon Co. Ltd., The 6-8.
- Gould Sales Co., E. S. 10-16.
- Hackbusch Electronics Ltd. 2-3-4-5-7-8-9-10-13-14-16-17.
- Hart Electronics Ltd. 2-3-4-5-7-8-9-10-11-12-13-15.
- Hermes Electronics Co. (New name for Hycon-Eastern Inc.) 14.
- Howard & Co., Ltd., M. J. 14.
- Industrial Development Engineering Associates, Inc. 8.
- Instantaneous Recording Service (A Div. of E. J. Piggett Enterprises, Ltd.) 8.
- Instronics Ltd. 8-9.
- JFD Electronics Corp. 2-3-8-11-17.
- Jerrold Electronics (Canada) Ltd. (13).
- Johnson Co., E. F. 10-16.
- Kaar Engineering Corp. 12.
- Kelvin & Hughes (Canada) Ltd. 15.
- Kennedy & Co., D. S. 14-15.
- Kreckman Co., Herb 5-7-10.
- Lab-Tronics, Inc. 8.
- Lake Engineering Co. Ltd. 6.
- Lindsay Antenna & Specialty Products Ltd. (5)-(8)-(10)-(13)-(16)-(17).
- Lomas, E. G. 5-6-14.
- MEL Sales Ltd. 5-6-14.
- MacIvor Electronics Ltd. 13.
- Manis Associates Reg'd, Ben (8)-(17).
- Marconi's Wireless Telegraph Co. Ltd. 2-3-4-5-6-7-11-12-14-15-17.
- Mark Products Co. 1-2-5-7-9-10-11-12-14.
- McCarter Radio & Television Ltd. (5)-(7)-(8)-(9)-(10)-(12)-(13)-(16)-(17).
- Measurement Engineering Ltd. (7)-(9)-(10).
- Merritt Co., Ron 5-7-16.
- Micro-Tower Ltd. (4)-(7).
- Millard Electric Ltd. (10).
- Mitchell Electronics, J. C. E. 8-9-12.
- Mosley Electronics, Inc. 5-7-10-12-16.
- Murphy Radio Ltd. 2-5-6-10-15.
- Narda Microwave Corp., The 14.
- Northern Electric Co. Ltd. 4-6-9.
- Ohmite Mfg. Co. 6.
- Pacific Communications Services Ltd. 5-9-10.
- Payette Radio Ltd. 3-8-13-16-17.
- Permanoid Ltd. 17.
- Philco Corp. of Canada Ltd. 14-17.
- Phillips Electronics Industries Ltd. 5-7-(8)-(9)-(10).
- Pointon Ltd., Charles W. 14.
- Polarad Electronics Corp. 14.
- Pye Canada Ltd., Transmission Div. 4-9-14-17.
- RCA Victor Co. Ltd. (2)-(4)-6-8-9-(10)-12-14-(15)-(17).
- Racal Engineering Ltd. 5-7-10.
- Radiation, Inc. 2-5-8-9-11-14-15.
- Radio Merchandise Sales, Inc. 8-17.
- Radionics Ltd. 5-14.
- Radio Trade Supply Ltd. 2-5-8-11-13-16-17.
- Railway & Power Engineering Corp. Ltd. 11.
- Randall (Canada) Ltd., Douglas 6.
- Raytheon Canada Ltd. (5)-(12)-(14)-(15).
- Rohn Manufacturing Co. 4.
- Rutherford Agencies 8-17.
- Scientific-Atlantic, Inc. 14.
- Servo Corporation of America 5.
- Sheppard, R. D. B. 6.
- Sinclair Radio Labs. Ltd. (1)-(2)-(3)-(4)-(5)-(6)-(7)-(8)-(9)-(10)-(11)-(12)-(13)-(14)-(15)-(16)-(17).
- States Co., The 6.
- T.M.C. (Canada) Ltd. (3)-(5)-(6)-(7)-(10)-(11)-(12).
- Telemat Mfg. Corp. Ltd. (8)-(13)-(17).
- Telerad Mfg. Corp. 1-14.
- Tele-Radio Systems Ltd. 4-5-7-8-9-10-11-12-14.
- Tenatronics Ltd. (3)-(5)-(8)-(17).
- Thompson Ltd., Chas. L. 8-13-17.
- Titanic Electric Corp. of Canada Ltd. 14.
- Topping Electronics Ltd., F. V. (12).
- Tranco Products, Inc. 2-14.
- Varah Ltd., L. A. 5-6-8-9-10-14.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 8-17.
- Waterloo Electronics Supply Co. Ltd. 5-6-8-10-16-17.
- Westbury Electronics (Canada) Ltd. 13.
- Westbury Electronics, Inc. 6.
- Western Agencies Ltd. 3-5-8-13-17.
- Wholesale Radio & Electronics Ltd. 3-6-7-8-9-17.
- Willard Spenser Co. 1-8-9-14-15.
- Wind Turbine Co. of Canada Ltd., The (3)-(4)-(5)-(6)-(7)-(8)-(9)-(10)-(11)-(13)-(16)-(17).
- Aircom Inc. 2.
- Airtron Canada Ltd. (2).
- Airtron Inc., A Div. of Litton Industries 2.
- Alford Manufacturing Co. 2.
- Allen-Bradley Canada Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Atlas Instrument Corp. Ltd. 2.
- Automatic Telephone & Electric Co. Ltd. 1.
- Belling & Lee Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Burgess, Norris 1.
- Canadian Electronics Ltd. 1.
- Canadian Marconi Co. 1.
- Canadian Marconi Co., Electronic Tube & Components Div. 1.
- Canadian Research Institute (1).
- Clarostat Mfg. Co., Inc. 1.
- Control Electronics Co., Inc. 2.
- Conway Electronic Enterprises Reg'd 1-2.
- Crawford Radio, The 1.
- DeMornay-Bonardi, Inc. 2.
- Deskin Sales Co., A. 1.
- Douglas Microwave Co., Inc. 2.
- Dymec, A Div. of Hewlett-Packard 2.
- Electrodesign 2.
- Electroline Television Equipment Inc. 1-2.
- Electro Sonic Supply Co. Ltd. 1.
- Empire Devices Products Corp. 2.
- Frequency Standards 2.
- General Radio Co. (Canadian Branch Office) (2).
- General Radio Co. 1-2.
- Glendon Instrument Co. Ltd., The 1.
- Goodmans Industries Ltd. 1.
- Hackbusch Electronics Ltd. 1.
- Herring & Co. Ltd., John 1.
- Hewlett-Packard Co. 1-2.
- IRC Resistors, Div. of Renfrew Electric Co. Ltd. (1).
- Industrial & Institutional Communications Ltd. 1.
- Instronics Ltd. 2.
- Jerrold Electronics (Canada) Ltd. (1)-(2).
- Kay Electric Co. 1-2.
- MEL Sales Ltd. 1-2.
- MacQuarrie Sales, J. J. 2.
- Microwave Systems 2.
- Muirhead Instruments Ltd. (1).
- Muirhead & Co. Ltd. 1.
- Narda Microwave Corp., The 2.
- National Sound Services Ltd. (1).
- Ohmite Mfg. Co. 1.
- Painton & Co. Ltd. 1.
- Pfeiffer Electronic Laboratories 1.
- Phillips Electronics Industries Ltd. (2).
- Polytechnic Research & Development Co., Inc. 2.
- Pye Canada Ltd., Transmission Div. 1.
- Radiometer 1.
- Radio Trade Supply Ltd. 1.
- Radionics Ltd. 1-2.
- Raytheon Canada Ltd. (2).
- Shallcross Mfg. Co. 1.
- Sinclair Radio Labs. Ltd. (1)-(2).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Stoddart Aircraft Radio Co., Inc. 2.
- T.M.C. (Canada) Ltd. (1).
- Tatnall Measuring and Nuclear Systems 2.
- Tech Laboratories, Inc. 1.
- Telephone Mfg. Co. Ltd. 1.
- Telerad Mfg. Corp. 2.
- Tele-Radio Systems Ltd. 1-2.
- Telonic Engineering Corp. 1.
- Telonic Industries, Inc. 2.
- Titanic Electric Corp. of Canada Ltd. 1.
- Trad Electronics Corp. 1-2.
- Tranco Products, Inc. 2.
- Varah Ltd., L. A. 1-2.
- Waterloo Electronics Supply Co. Ltd. 1.
- Welwyn Electrical Laboratories Ltd. 1.
- Westbury Electronics, Inc. 1.
- Whiteley Electrical Radio Co. Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.
- Willard Spenser Co. 2.
- Canadian Research Institute (1).
- Conway Electronic Enterprises Reg'd 1.
- Electrodesign 1.
- Electrolabs 1.
- Engineered Sound Systems Ltd. 1.
- Hackbusch Electronics Ltd. 1.
- Tech Laboratories, Inc. 1.
- Tecneek Associates 1.
- Telex, Inc. 1.

**Automatic Assembly Equipment**

- Automatic Assembly Equipment ..... 1
- Barnes Development Co. 1.
- Best Co., John (1).
- Brady Co. of Canada Ltd., W. H. (1).
- Canadian Research Institute (1).
- Syntron (Canada) Ltd. (1).

**Baffles, Speaker**

- Baffles, Speaker ..... 1
- Active Radio & TV Ltd. 1.
- Addison Industries Ltd. (1).
- Alpha Aracon Radio Co. Ltd. 1.
- Aitec Lansing Corp. 1.
- Associated Electronic Components Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Atlas Sound Corp. 1.
- Audio-Vox-Intercom Inc. (1).
- Barvic Engineering Ltd. (1).
- Beama Engineering Ltd. (1).
- Bern and Company Ltd., Lee 1.
- Bishop Sons & Co. Ltd. (1).
- Buckland Co., Robert J. 1.
- Burgess, Norris 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Clairtone Sound Corp. Ltd. (1).
- Clark Ltd., Alex L. 1.
- Conway Electronic Enterprises Reg'd 1.
- Crawford Radio, The 1.
- D & B Sound and Signals Inc. (1).
- Daystrom, Ltd. 1.
- Desser E-E Ltd. 1.
- Dominion Electrohome Industries Ltd. (1).
- E.M.I.-Cossor Electronics Ltd. 1.
- Electrodesign 1.
- Electronic Enterprises Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1.
- Engineered Sound Systems Ltd. (1).
- Finkler Ltd., Len 1.
- Geerz & Holm Canada Ltd. 1.
- General Cement Mfg. Co. — Div. of Textron Inc. 1.
- General Sound & Theatre Equipment Ltd. 1.
- Goodmans Industries Ltd. 1.
- Gould Sales Co., E. S. 1.
- Hackbusch Electronics Ltd. 1.
- Hammond Manufacturing Co. Ltd. (1).
- Hartley Products Co. 1.
- Hathaway, Kraemer Ltd. (1).
- Industrial & Institutional Communications Ltd. 1.
- Jensen Speakers, Div. of Renfrew Electric Co. Ltd. (1).
- Kahnert Sales Ltd., R. C. 1.
- MacIvor Electronics Ltd. 1.
- Mack Co. Ltd., R. 1.
- MacQuarrie Sales, J. J. (1).
- McCurdy Radio Industries Ltd. (1).
- Merritt Co., Ron 1.
- National Sound Services Ltd. (1).
- Payette Radio Ltd. 1.
- Phillips Electronics Industries Ltd. (1).
- Pointon Ltd., Charles W. 1.
- Premier Metal Products Co. 1.
- RCA Victor Co. Ltd. 1.
- Racon Electric Co. Inc. 1.
- Radio Trade Supply Ltd. 1.
- Rutherford Agencies 1.
- Simpson Mfg. Co. Inc., Mark 1.
- Smyth Electronic Components Ltd. (1).
- Thompson Ltd., Chas. L. 1.
- Tilton Ltd., John R. 1.
- University Loudspeakers, Inc. 1.
- Varah Ltd., L. A. 1.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Whiteley Electrical Radio Co. Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

**Arresters, Lightning**

- Arresters, Lightning ..... 1
- Ahearn and Soper Co. Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Amphenol Canada Ltd. (1).
- Astral Electric Co., Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Automatic Electric Sales (Canada) Ltd. 1.
- Beechey Enterprises 1.
- Belling & Lee Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Brown Boveri (Canada) Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Line Materials (1).
- Columbia Wire & Supply Co. 1.
- Consolidated Wire and Associated Cos. 1.
- Crawford Radio, The 1.
- Dale Products, Inc. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Filer-Smith Machinery Co. Ltd. 1.
- Finkler Ltd., Len 1.
- Garde Manufacturing Co. 1.
- General Cement Mfg. Co. — Div. of Textron Inc. 1.
- Hackbusch Electronics Ltd. 1.
- JFD Electronics Corp. 1.
- Manis Associates Reg'd, Ben (1).
- Northern Electric Co. Ltd. 1.
- Osborne Electric Co. Ltd. (1).
- Payette Radio Ltd. 1.
- Pointon Ltd., Charles W. 1.
- Powerlite Devices Ltd. 1.
- Radio Merchandise Sales, Inc. 1.
- Radio Trade Supply Ltd. 1.
- Siemens Edison Swan (Canada) Ltd. 1.
- Smith & Stone Ltd. (1).
- Telephone Mfg. Co. Ltd. 1.
- Telemat Mfg. Co. Ltd. 1.
- Tele-Radio Systems Ltd. 1.
- Tenatronics Ltd. (1).
- Thompson Ltd., Chas. L. 1.
- Tilton Ltd., John R. 1.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.
- Wind Turbine Co. of Canada Ltd., The (1).

**Attenuators**

- Audio ..... 1
- Microwave Adjustable and Calibrated ..... 2
- Adams Engineering Ltd. 1.
- Airborne Instruments Lab., A Div. of Cutler-Hammer, Inc. 2.

**Audiometers**

- Audiometers ..... 1
- Amos of Exeter Ltd. 1.
- Amplivox (Canada) Ltd. (1).
- Amplivox Exports Ltd. 1.
- Atlas-Werke AG 1.
- Bach-Simpson Ltd. 1.



## Baluns

Baluns ..... 1

- Active Radio & TV Ltd. 1.
- Ahearn and Soper Co. Ltd. 1.
- Alford Manufacturing Co. 1.
- American Electronics Co. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Astral Electric Co. Ltd. 1.
- Avtek Systems Engineering Ltd. (1).
- Barvic Engineering Ltd. 1.
- Benco Television Associates Ltd. (1).
- Blonder-Tongue Laboratories, Inc. 1.
- Collins Radio Co. of Canada Ltd. (1).
- Crawford Radio, The 1.
- Dayrand Ltd. 1.
- Delta Aircraft Equipment Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Empire Devices Products Corp. 1.
- General Radio Co. (Canadian Branch Office) (1).
- General Radio Co. 1.
- Gray Ltd., H. Roy 1.
- Hackbusch Electronics Ltd. 1.
- Instronics Ltd. 1.
- Jerrold Electronics (Canada) Ltd. (1).
- Kahnert Sales Ltd., R. C. 1.
- McCarter Radio & Television Ltd. (1).
- Merritt Co., Ron 1.
- Mosley Electronics, Inc. 1.
- Racial Engineering Ltd. 1.
- Radiometer 1.
- Rogers Electronic Tubes & Components 1.
- Sinclair Radio Labs. Ltd. (1).
- Smyth Electronic Components Ltd. 1.
- T.M.C. (Canada) Ltd. (1).
- Telequipment Mfg. Co. Ltd. 1.
- Tele-Radio Systems Ltd. 1.
- Telonic Industries, Inc. 1.
- Tenatronics Ltd. (1).
- Tilton Ltd., John R. 1.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Westbury Electronics (Canada) Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.
- Wind Turbine Co. of Canada Ltd., The (1).

## Barretters

Barretters ..... 1

- Alpha Aracon Radio Co. Ltd. 1.
- Atlas Instrument Corp. Ltd. 1.
- Automatic Telephone & Electric Co. Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Crawford Associates, Allan 1.
- FXR Inc. 1.
- Lomas, E. G. 1.
- MEL Sales Ltd. 1.
- Narda Microwave Corp., The 1.
- Phlco Corp. of Canada Ltd. 1.
- Polytechnic Research & Development Co., Inc. 1.
- Radio Trade Supply Ltd. 1.
- Rogers Electronic Tubes & Components (1).
- Siemens Edison Swan (Canada) Ltd. 1.
- Sperry Gyroscope Co. of Canada Ltd. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.

## Batteries

Dry ..... 1  
 Mercury ..... 2  
 Nickel Cadmium ..... 3  
 Silver ..... 4  
 Standard Cell ..... 5  
 Storage ..... 6

- Alpha Aracon Radio Co. Ltd 1-2-5-6.
- Amalgamated Electric Corp. Ltd. (3).
- Automatic Electric Sales (Canada) Ltd. 6.
- Aviation Electric Pacific Ltd. 5.
- Barvic Engineering Ltd. 1-2-3-4-5-6.
- Bern and Company Ltd., Lee 1-2.
- Burgess Battery Co., Div. of Serval (Canada) Ltd. (1)-(2)-(3).
- C.G. Electronics Corp. 3.
- Caldwell A/V Equipment Co. Ltd. 3.
- Canadian Electrical Supply Co. Ltd. 1-2.
- Acme Electric Corp. Ltd. (3)-(5)-(6).
- Acme Electric Corp. 3-5.
- Adams Engineering Ltd. 1-6.
- Aeromotive Engineering Products Ltd. 3-(5)-(6).
- Ahearn and Soper Co. Ltd. 5-6.
- Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-6.
- American Television & Radio Co. 5-6.
- Atlas Radio Corp. Ltd. 6.
- Automatic Electric Sales (Canada) Ltd. 1-3.
- Aviquipo of Canada Ltd. 4.
- Barvic Engineering Ltd. 6.
- Bepco Canada Ltd. (1).
- Brian Engineering Ltd. 3-6.
- Brown Boveri (Canada) Ltd. (4).
- Burgess, Norris 3.
- Canadian Electrical Supply Co. Ltd. 5.
- Canadian Electronics Ltd. 3-5-6.
- Canadian Line Materials (1)-(5)-(6).
- Canadian Research Institute (1)-(3)-(5)-(6).
- Carter Ltd., James B. (6).
- Central Dynamics Ltd. (2)-(3)-(4)-(6).
- Chisholm Industries Ltd. (1)-(4)-(6).
- Christie Electric Corp. 1-6.
- Clark Ltd., Alex L. 5.
- Clarke & Co. (Manchester) Ltd., H. 5-6.
- Conway Electronic Enterprises Reg'd 1-2-3-5-6.
- Cooper & Co. Ltd., W. H. 5-6.
- Cornell-Dubilier Electric Corp. 5.
- D & B Sound and Signals Inc. 6.
- Daveco Agencies Ltd. 5.
- Davis Automatic Controls Ltd. 6.
- Daystrom, Ltd. 1-3-6.
- Dresser Electric Ltd. (5)-(6).
- E.C.C. Canada Ltd. 4.
- Electric Storage Battery Co. (Canada) Ltd. 4-5.
- Electrodesign 6.
- Electronic Controls Ltd. (1)-(3)-(6).
- Electronic Instrument Co., Inc. 5-6.

- Canadian Electronics Ltd. 1-2-5.
- Canadian Motorola Electronics Ltd. 3.
- Clark Ltd., Alex L. 3-5.
- Conway Electronic Enterprises Reg'd 1-2-3.
- Crawford Radio, The 1.
- Dominion Machinery & Equipment Co. Ltd. 1-6.
- Electric Storage Battery Co. Canada Ltd. 4-(6).
- Electrodesign 1.
- Electrolabs 3.
- Electro Sonic Supply Co. Ltd. 1-2.
- General Communications Ltd. 3.
- Gould-National Batteries of Canada Ltd. (3)-(5)-(6).
- Hackbusch Electronics Ltd. 1-3-6.
- Honeywell Controls Ltd. (5).
- Lucas-Rotax Ltd. (6).
- MacCo. Ltd., R. 1.
- Mallory Battery Co. of Canada Ltd. (1)-(2)-(4)-(5).
- Mallory & Co. Inc. P. R. 1-2-4.
- Muirhead Instruments Ltd. 5.
- Muirhead & Co. Ltd. 5.
- National Carbon Co., Div. of Union Carbide Canada Ltd. (1)-(2)-(3)-(4)-(5).
- Northern Electric Co. Ltd. 6.
- Payette Radio Ltd. 1-2-5-6.
- Radio Trade Supply Ltd. 1-2-3-5-6.
- Railway & Power Engineering Corp. Ltd. 5.
- Ray-O-Vac Ltd. (1)-(5)-(6).
- Showalter, R. J. 3.
- Siemens Edison Swan (Canada) Ltd. 1-6.
- Silverco of Canada Ltd. (4)-(6).
- Smith Ltd., Irving 1.
- Telecom Ltd. 1.
- Tinsley Instruments (Canada) Ltd. (5).
- Varah Ltd., L. A. 1-2-3-5-6.
- Ward-Leonard of Canada Ltd. 3-6.
- Waterloo Electronics Supply Co. Ltd. 1-2.
- Western Agencies Ltd. 1-2-5-6.
- Wholesale Radio & Electronics Ltd. 1-2-3-5.

## Battery Chargers

Electric Tube ..... 1  
 Engine Driven ..... 2  
 Metallic Oxide ..... 3  
 Motor Generator ..... 4  
 Portable ..... 5  
 Selenium ..... 6

- Acme Electric Corp. Ltd. (3)-(5)-(6).
- Acme Electric Corp. 3-5.
- Adams Engineering Ltd. 1-6.
- Aeromotive Engineering Products Ltd. 3-(5)-(6).
- Ahearn and Soper Co. Ltd. 5-6.
- Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-6.
- American Television & Radio Co. 5-6.
- Atlas Radio Corp. Ltd. 6.
- Automatic Electric Sales (Canada) Ltd. 1-3.
- Aviquipo of Canada Ltd. 4.
- Barvic Engineering Ltd. 6.
- Bepco Canada Ltd. (1).
- Brian Engineering Ltd. 3-6.
- Brown Boveri (Canada) Ltd. (4).
- Burgess, Norris 3.
- Canadian Electrical Supply Co. Ltd. 5.
- Canadian Electronics Ltd. 3-5-6.
- Canadian Line Materials (1)-(5)-(6).
- Canadian Research Institute (1)-(3)-(5)-(6).
- Carter Ltd., James B. (6).
- Central Dynamics Ltd. (2)-(3)-(4)-(6).
- Chisholm Industries Ltd. (1)-(4)-(6).
- Christie Electric Corp. 1-6.
- Clark Ltd., Alex L. 5.
- Clarke & Co. (Manchester) Ltd., H. 5-6.
- Conway Electronic Enterprises Reg'd 1-2-3-5-6.
- Cooper & Co. Ltd., W. H. 5-6.
- Cornell-Dubilier Electric Corp. 5.
- D & B Sound and Signals Inc. 6.
- Daveco Agencies Ltd. 5.
- Davis Automatic Controls Ltd. 6.
- Daystrom, Ltd. 1-3-6.
- Dresser Electric Ltd. (5)-(6).
- E.C.C. Canada Ltd. 4.
- Electric Storage Battery Co. (Canada) Ltd. 4-5.
- Electrodesign 6.
- Electronic Controls Ltd. (1)-(3)-(6).
- Electronic Instrument Co., Inc. 5-6.

- Electro Sonic Supply Co. Ltd. 3-5-6.
- Fisher Scientific Co. Ltd. (1)-(6).
- General Communications Ltd. 3-6.
- Hackbusch Electronics Ltd. 3-4-6.
- Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd. (1)-2-(3)-(4)-(5)-(6).
- International Rectifier Corp. 6.
- Kahnert Sales Ltd., R. C. 5.
- Lucas-Rotax Ltd. (5).
- MacQuarrie Sales, J. J. 1-6.
- Magnetic Coll Co. (5).
- Mallory & Co. Inc., P. R. 3-6.
- McVity & Co., J. R. G. (6).
- Merritt Co., Ron 6.
- Mitchell Electronics, J. C. E. 3.
- National Sound Services Ltd. (6).
- Nicholls Ltd., R. H. (3)-(6).
- Northern Electric Co. Ltd. 6.
- Onan & Son, Inc., D. W. 2.
- Paco Electronics Co., Inc. 6.
- Payette Radio Ltd. 1-6.
- Peschel Electronics, Inc. 3-6.
- Pitt Distributing Co. Ltd. 5-6.
- Powertronic Equipment Ltd. (1)-(2)-(4)-(5)-(6).
- Prince and Roberts 6.
- Radio Trade Supply Ltd. 1-5.
- Randall (Canada) Ltd., Douglas 1-5-6.
- Rapid Electric Co. 3-6.
- Research Instrumentation Ltd. (3)-(6).
- Rogers Electronic Tubes & Components 6.
- Rotor Electric Co. Ltd. (5)-(6).
- Rutherford Agencies 6.
- Schauer Mfg. Corp. 3-4-6.
- Showalter, R. J. 3-6.
- Siemens Edison Swan (Canada) Ltd. 1.
- Smyth Electronic Components Ltd. (6).
- Sola Electric (Canada) Ltd. (5).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 6.
- Standard Television Products Ltd. (6).
- Syntron (Canada) Ltd. (6).
- Telephone Mfg. Co. Ltd. 3.
- Tele-Radio Systems Ltd. 1-6.
- Tenatronics Ltd. (6).
- Thompson Ltd., Chas. L. 2-4-5-6.
- Tilton Ltd., John R. 3.
- Topping Electronics Ltd., F. V. (3).
- Triad Instruments & Controls Ltd. (6).
- Varah Ltd., L. A. 1-3-5-6.
- Waterloo Electronics Supply Co. Ltd. 3-4.
- Western Agencies Ltd. 5-6.
- Wholesale Radio & Electronics Ltd. 1-3-5-6.

## Beacons

Radar ..... 1  
 Radio Navigation ..... 2

- Ahearn and Soper Co. Ltd. 2.
- Aircom Inc. 1.
- Beacons Optical & Precision Materials Co. Ltd. (BOP Ltd.) 2.
- Bendix-Pacific Div., Bendix Aviation Corp. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. (1).
- Control Electronics Co., Inc. 1.
- Conway Electronic Enterprises Reg'd 1-2.
- Daystrom Instrument, Div. of Daystrom, Inc. 1.
- Decca Radar (Canada) Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- Electromechanical Products 1.
- Electronic Research & Development Co. Ltd. 2.
- Ferrotran Electronics Co., Inc. 1.
- General Communication Co. 1-2.
- Hart Electronics Ltd. 2.
- Howard & Co. Ltd., M. J. 1.
- LEL, Inc. 1-2.
- Marconi's Wireless Telegraph Co. Ltd. 2.
- Murphy Radio Ltd. 1-2.
- Parsons Co., The Ralph M. — Electronics Div. 1.
- RCA Victor Co. Ltd. (2).
- Radiation, Inc. 1.
- Redifon Canada, A Div. of Redifusion Inc. 2.
- Redifon Ltd. 2.
- Simmonds Aeroproducts, Inc. 2.
- Sperry Gyroscope Co. of Canada Ltd. (1).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. (2).

- Telerad Mfg. Corp. 1.
- Tele-Radio Systems Ltd. 2.

## Bearings

Miniature bearing ..... 1  
 Precision instrument bearing 2  
 R & M Bearings Canada Ltd. (1)-(2).

## Bends, Microwave

Bends, Microwave ..... 1

- Aircom Inc. 1.
- Airtron Canada Ltd. (1).
- Airtron Inc., A Div. of Litton Industries 1.
- Andrew Antenna Corp. Ltd. (1).
- Beacons Optical & Precision Materials Co. Ltd. (BOP Ltd.) 1.
- Central Electronic Mfrs. 1.
- Conway Electronic Enterprises Reg'd 1.
- Co-Operative Industries, Inc. 1.
- Dayrand Ltd. 1.
- DeMornay-Bonardi, Inc. 1.
- Douglas Microwave Co., Inc. 1.
- E.M.I.-Cossor Electronics Ltd. 1.
- FXR Inc. 1.
- Hackbusch Electronics Ltd. 1.
- Lomas, E. G. 1.
- MEL Sales Ltd. 1.
- Microwave Associates, Inc. 1.
- Microwave Systems 1.
- Mitchell Electronics, J. C. E. 1.
- Narda Microwave Corp., The 1.
- Philips Electronics Industries Ltd. (1).
- Polytechnic Research & Development Co., Inc. 1.
- Radionics Ltd. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Sinclair Radio Labs. Ltd. (1).
- Telerad Mfg. Corp. 1.
- Varah Ltd., L. A. 1.

## Bezels

Bezels ..... 1

- Alpha Aracon Radio Co. Ltd. 1.
- Amatam Electronic Hardware Co. 1.
- Baird-Atomic, Inc. 1.
- Ball Associates, C. A. (1).
- Bayly Engineering Ltd. 1.
- Canadian Applied Research Ltd. (1).
- Crawford Radio, The 1.
- Electromechanical Products 1.
- Electro Sonic Supply Co. Ltd. 1.
- Gray Ltd., H. Roy 1.
- Hathaway, Kraemer Ltd. (1).
- Inghram Canadian Clock Co. Ltd. (1).
- MacQuarrie Sales, J. J. 1.
- Okl & Willadsen Ltd. (1).
- Pitt Distributing Co. Ltd. 1.
- Waldom Electronics Inc. 1.

## Bi-Metals, Thermostatic

Bi-Metals, Thermostatic ..... 1

- Ahearn and Soper Co. Ltd. 1.
- Barber-Colman of Canada Ltd. (1).
- Daystrom, Ltd. 1.
- Honeywell Controls Ltd. (1).
- Metals & Controls Div. of Texas Instruments Incorporated 1.
- Siemens Edison Swan (Canada) Ltd. 1.
- T.M.C. (Canada) Ltd. 1.
- Thermovolt Instruments Ltd. 1.
- Aeromotive Engineering Products Ltd. 1.
- Air-Marine Motors, Inc. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Bendix-Pacific Div., Bendix Aviation Corp. 1.
- Dayrand Ltd. 1.
- Delta Aircraft Equipment Ltd. 1.
- Dominion Electrohome Industries Ltd. (1).
- Elder Electronics 1.
- Electro Sonic Supply Co. Ltd. 1.
- Fasco Industries, Inc. 1.
- Garrett Mfg. Corp. of Canada, Ltd., The (1).
- Herring & Co. Ltd., John 1.
- Hoover Co. Ltd., The (1).
- Howard & Co. Ltd., M. J. 1.
- Holub Industries, Inc. 1.
- Joy Manufacturing Co. (Canada) Ltd. (1).
- Joy Manufacturing Co. 1.

## Blowers, Small

Blowers, Small ..... 1

- Aeromotive Engineering Products Ltd. 1.
- Air-Marine Motors, Inc. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Bendix-Pacific Div., Bendix Aviation Corp. 1.
- Dayrand Ltd. 1.
- Delta Aircraft Equipment Ltd. 1.
- Dominion Electrohome Industries Ltd. (1).
- Elder Electronics 1.
- Electro Sonic Supply Co. Ltd. 1.
- Fasco Industries, Inc. 1.
- Garrett Mfg. Corp. of Canada, Ltd., The (1).
- Herring & Co. Ltd., John 1.
- Hoover Co. Ltd., The (1).
- Howard & Co. Ltd., M. J. 1.
- Holub Industries, Inc. 1.
- Joy Manufacturing Co. (Canada) Ltd. (1).
- Joy Manufacturing Co. 1.

- Leonard Electric Ltd. 1.
- Lucas-Rotax Ltd. (1).
- MEL Sales Ltd. 1.
- McLean Engineering Laboratories 1.
- Measurement Engineering Ltd. 1.
- Northern Radio Mfg. Co. Ltd. 1.
- Peerless Electric Co., The 1.
- Rotating Components, Inc. 1.
- Rotron Manufacturing Co. 1.
- Rousseau Controls Ltd. 1.
- Smith Ltd., Irving 1.
- Terry Machinery Co. Ltd. 1.
- Torrington Mfg. Co. of Canada Ltd., The (1).
- Waterloo Electronics Supply Co. Ltd. 1.
- Whittaker, E. E. 1.

## Boards

- Capacitor or Resistor ..... 1
- Etched Circuit, Copper Clad 2
- Plug ..... 3
- Accurate Electronics Corp. 1-2-3.
- Alpha Aracon Radio Co. Ltd. 1-3.
- Andersen & Co. Ltd., A. A. 2.
- Associated Electronic Components Ltd. 1.
- Ball Associates, C. A. (2).
- Bayly Engineering Ltd. (1).
- Burr-Brown Research Corp. 2-3.
- Burroughs Corp., ElectroData Div. 3.
- C. G. Electronics Corp. 2.
- Cambridge Thermionic of Canada, Ltd. (3).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Westinghouse Co. Ltd. (1)-(2).
- Cinch Manufacturing Co. 1-2.
- Continental-Diamond Fibre of Canada Ltd. (2).
- Dale Products, Inc. 2.
- Electro Instruments, Inc. 2.
- Electro Sonic Supply Co. Ltd. 1-3.
- Erie Resistor of Canada Ltd. 2.
- Ferranti Packard Electric Ltd. (2).
- Gould Sales Co., E. S. 2.
- Hackbusch Electronics Ltd. 2-3.
- Heenan Ltd., P. J. 2.
- Herring & Co. Ltd., John 2.
- Hummel, William M. 1-3.
- Lake Engineering Co. Ltd. 1-2.
- MEL Sales Ltd. 2.
- National Fibre Co. of Canada Ltd. (2).
- Norrich Plastics Corp., Div. Norrich Screw Machine Products 1-3.
- Oki & Willadsen Ltd. (1)-(2)-(3).
- Polytronics Co. (2).
- Powertronic Equipment Ltd. (3).
- Precision Metal Products Co. 1.
- Radio Trade Supply Ltd. 1-2.
- Rogers Electronic Tubes & Components (1).
- Shamban & Co., W. S. 2.
- Smith Ltd., Irving 3.
- Spaulding Fibre of Canada Ltd. (2)-(3).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. (2).
- Telegraph Condenser Co. Ltd., The 2.
- Titania Electric Corp. of Canada Ltd. 1.
- United-Carr Fastener Co. of Canada Ltd. (2).
- United Insulator Div. of The Telegraph Condenser Co. Ltd. 1.
- Varah Ltd., L. A. 2.
- Whiteley Electrical Radio Co. Ltd. 2.

## Booms, Microphone

- Booms, Microphone ..... 1
- Alpha Aracon Radio Co. Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Atlas Sound Corp. 1.
- Barvic Engineering Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Caldwell A. V. Equipment Co. Ltd. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Canadian Marconi Co. 1.
- Clark Ltd., Alex L. 1.
- Collins Radio Co. of Canada Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- D & B Sound and Signals Inc. 1.

- E.M.I.-Cossor Electronics Ltd. (1).
- Electronic Materials International Ltd. (1).
- Electronic Research & Development Co. Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Industrial & Institutional Communications Ltd. 1.
- National Sound Services Ltd. 1.
- Payette Radio Ltd. 1.
- RCA Victor Co. Ltd. (1).
- Radio Trade Supply Ltd. 1.
- Smyth Electronic Components Ltd. 1.
- Varah Ltd., L. A. 1.
- Western Agencies Ltd. 1.

## Boosters, Television

- Boosters, Television ..... 1
- Active Radio & TV Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Amos of Exeter Ltd. 1.
- Barvic Engineering Ltd. 1.
- Beama Engineering Ltd. (1).
- Benco Television Associates Ltd. (1).
- Bern and Company Ltd., Lee 1.
- Blonder-Tongue Laboratories, Inc. 1.
- CBC Electronics Co., Inc. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. (1).
- Crawford Radio, The 1.
- Diamond Power Specialty Corp., Electronics Div. 1.
- Electroline Television Equipment Inc. 1.
- Electro Sonic Supply Co. Ltd. 1.
- General Sound & Theatre Equipment Ltd. 1.
- Hackbusch Electronics Ltd. 1.
- Jerrold Electronics (Canada) Ltd. (1).
- Payette Radio Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Simpson Mfg. Co. Inc., Mark 1.
- Telegquipment Mfg. Co. Ltd. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Westbury Electronics (Canada) Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Boxes, Metal, Plastic or Waterproof

- Boxes, Metal, Plastic, or Waterproof ..... 1
- Addison Industries Ltd. (1).
- Alpha Aracon Radio Co. Ltd. 1.
- Andersen & Co. Ltd., A. A. 1.
- Avtek Systems Engineering Ltd. (1).
- Barvic Engineering Ltd. 1.
- Bishop Sons & Co. Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Clover Industries Inc. 1.
- Continental-Diamond Fibre of Canada Ltd. (1).
- Crawford Radio, The 1.
- Davies Molding Co., Harry 1.
- Dominion Aluminum Fabricating Ltd. (1).
- Dominion Electric Manufacturing Co. Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1.
- Emerson Plastics Corp. 1.
- Fleet Manufacturing Ltd. (1).
- Hammond Mfg. Co. Ltd. (1).
- Hathaway, Kraemer Ltd. (1).
- Hummel, William M. 1.
- Jerrold Electronics (Canada) Ltd. (1).
- Long Sault Woodcraft Ltd. (1).
- Measurement Engineering Ltd. (1).
- Mitchell Electronics, J. C. E. 1.
- Musmart of Canada, Ltd. 1.
- National Sound Services Ltd. (1).
- Norrich Plastics Corp., Div. Norrich Screw Machine Products 1.
- Payette Radio Ltd. 1.
- Pic Design Corp. 1.
- Pioneer Industries Inc. 1.
- Powertronic Equipment Ltd. (1).
- Premier Metal Products Co. 1.
- Radio Trade Supply Ltd. 1.
- Ross & Sons Ltd., Frank T. 1.
- Scientific-Atlanta, Inc. 1.
- Skydyne, Inc. 1.
- Spaulding Fibre of Canada Ltd. (1).

- Staver Co., Inc., The 1.
- Stratton & Co. Ltd. 1.
- T.M.C. (Canada) Ltd. (1).
- Thompson Ltd., Chas. L. 1.
- Waldom Electronics Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.

## Breadboard Kits, Electronic

- Breadboard Kits, Electronic ..... 1
- Alpha Aracon Radio Co. Ltd. 1.
- Bayly Engineering Ltd. 1.
- Beckman Instruments, Inc., Hellpot Div. 1.
- Bern and Company Ltd., Lee 1.
- Burgess, Norris 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Curtiss Wright Corp. — Electronics Div. 1.
- Daystrom, Ltd. 1.
- Deskin Sales Co., A. 1.
- Electromechanical Products 1.
- Electro Sonic Supply Co. Ltd. 1.
- Hellpot Div. of Beckman Instruments Inc. (1).
- Lake Engineering Co. Ltd. 1.
- Manis Associates Reg'd, Ben (1).
- Payette Radio Ltd. 1.
- Peschel Electronics, Inc. 1.
- Philbrick Researches, Inc., George A. 1.
- Philco Corp. of Canada Ltd. (1).
- Pic Design Corp. 1.
- Precision Metal Products Co. 1.
- Radio Trade Supply Ltd. 1.
- Reeves Instrument Corp. 1.
- Servo Corp. of America 1.
- Stark Electronic Sales Co. 1.
- Superex Electronics Corp. 1.
- Whittaker, E. E. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Bridges

- Capacitance ..... 1
- Impedance ..... 2
- Inductance ..... 3
- Megohm & Resistance ..... 4
- Temperature ..... 5
- VHF ..... 6
- Wheatstone ..... 7
- Acton Laboratories, Inc. 2.
- Aerovox Canada Ltd. 1.
- Ahearn and Soper Co. Ltd. 1-2-3-4-7.
- Alpha Aracon Radio Co. Ltd. 1-2-3-4-7.
- Amos of Exeter Ltd. 1-2.
- Associated Research, Inc. 4.
- Atlas Instrument Corp. Ltd. 2-5.
- Automatic Telephone & Electric Co. Ltd. 2.
- Bach-Simpson Ltd. 1-2-3-4-5.
- Barber-Colman of Canada Ltd. (7).
- Barnes Development Co. 1-4.
- Barron, William T. 1.
- Beechey Enterprises 1-2-3-4-7.
- Bern and Company Ltd., Lee 1-2-3.
- Boonton Electronics Corp. 1-3.
- Boonton Radio Corp. 2-6.
- Brian Engineering Ltd. 1.
- A/S Bruel & Kjaer 1-2-3-4.
- Cambridge Instrument Co., Ltd. 1-2-3-4-7.
- Canadian Electronics Ltd. 1-2.
- Canadian Marconi Co. 1-2-3-6.
- Canadian Research Institute (1)-(4)-(5)-(7).
- Clark Ltd., Alex L. 2.
- Clough-Brengle Co., The 1-2-3-4.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7.
- Crawford Radio, The 1.
- Daystrom, Ltd. 2-5-7.
- Domac Technical Sales Ltd. 2.
- E.M.I.-Cossor Electronics Ltd. (1)-(2)-(3)-(4)-7.
- Electro Instruments, Inc. 1-2-3-4.
- Electrodesign 1-2-3-4-7.
- Electromechanical Products 4-5-7.
- Electronic Instrument Co., Inc. 1.
- Electro Sonic Supply Co. Ltd. 1-2-3-4-5.
- Ellis Industries, The J. W. 1-2-3-4-5-7.
- Evershed and Vignoles Ltd. 4-5-7.

- FXR Inc. 6.
- Flelden Electronics Ltd. 1-3-5.
- Fisher Scientific Co. Ltd. 7.
- General Radio Co. 1-2-3-4-6-7.
- Glendon Instrument Co. Ltd., The 1-2-3-4-5-6-7.
- Gray Ltd., H. Roy 1-3.
- Hackbusch Electronics Ltd. 1-2-3.
- Harris Transducer Corp., Sub. of General Instrument Corp. 2.
- Herring & Co. Ltd., John 1-4-7.
- Hewlett-Packard Co. 2-6.
- Honeywell Controls Ltd. (4)-(5)-(7).
- Industrial Instruments, Inc. 1-2-3-4-7.
- Kelvin & Hughes Ltd. 2-3-5-7.
- Dipl. Ing. Ulrich Knick 4.
- Lisle Instrument Systems 4-7.
- MEL Sales Ltd. 1-2-3.
- Measurement Engineering Ltd. (5).
- Merritt Co., Ron 1-4.
- Muirhead Instruments Ltd. 1-2-3-4-7.
- Muirhead & Co. Ltd. 1-2-3-4-7.
- Narda Microwave Corp., The 2.
- Nichols Ltd., R. H. 1-2-3-4-5-7.
- Northern Electric Co. Ltd. 7.
- Paco Electronics Co., Inc. 1.
- Peacock Brothers Ltd. 1-5-7.
- Philips Electronics Industries Ltd. (1)-(3)-(4).
- Phillips Electrical Co. Ltd. 1.
- Polytronics Co. (5)-(7).
- Pye & Co. Ltd., W. G. 7.
- R-O-R Associates Ltd. 1-2-4.
- Radiometer 1-2-3-4.
- Radionics Ltd. 1-3-4-7.
- Radio Trade Supply Ltd. 1-2-3-4-7.
- Railway & Power Engineering Corp. Ltd. 1-2-3-4-5-7.
- Rank Cintel Ltd. 1-2-3-4.
- Rimco, Inc. 1-2-3-4-7.
- Rosemount Engineering Corp. 5.
- Ruhstrat, Gebr. 4-7.
- Rutherford Agencies 1.
- Shallockross Mfg. Co. 4-7.
- Smith Ltd., Irving 1-4.
- Smyth Electronic Components Ltd. 1-2-3.
- Southwestern Industrial Electronics Co. 1-2-3-7.
- Spivey, Inc., James S. 1-3-4.
- Sprague International Ltd. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1-2-3.
- Tasso Agencies, Emile 1.
- Tattall Measuring and Nuclear Systems 7.
- Tech Laboratories, Inc. 2-3-6-7.
- Tecneek Associates 1-4-7.
- Thermo Electric (Canada) Ltd. (5).
- Thermovolt Instruments Ltd. 4-5-7.
- Thompson Ltd., Chas. L. 1.
- Tilton Ltd., John R. 1-2-3.
- Tinsley Instruments (Canada) Ltd. (1)-(2)-(3)-(4)-(5)-(7).
- Titania Electric Corp. of Canada Ltd. 1.
- Triad Instruments & Controls Ltd. (5).
- Varah Ltd., L. A. 1-2-3-4.
- Vector Labs, Inc. (5)-(7).
- Western Agencies Ltd. 1.
- Whittaker, E. E. 4-5-7.
- Wholesale Radio & Electronics Ltd. 1-2-3-4.

## Broadcast Input Control Equipment

- Broadcast Input Control Equipment ..... 1
- Ahearn and Soper Co. Ltd. 1.
- Audio Instrument Co., Inc. 1.
- Automatic Telephone & Electric Co. Ltd. 1.
- Brown Boveri (Canada) Ltd. (1).
- Canadian Electronics Ltd. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. (1).
- Canadian Marconi Co. 1.
- Collins Radio Co. of Canada Ltd. (1).
- E.M.I.-Cossor Electronics Ltd. (1).
- Electrolabs 1.
- Electromechanical Products 1.
- Engineered Sound Systems Ltd. (1).
- General Sound & Theatre Equipment Ltd. 1.

Hackbusch Electronics Ltd. 1.  
 Marconi's Wireless Telegraph Co. Ltd. 1.  
 McCurdy Radio Industries Ltd. (1).  
 Northern Electric Co. Ltd. (1).  
 Pfeiffer Electronic Laboratories 1.  
 Philco Corp. of Canada Ltd. 1.  
 Philips Electronics Industries Ltd. (1).  
 Pye Canada Ltd., Transmission Div. (1).  
 RCA Victor Co. Ltd. (1).  
 Redifon Ltd. 1.  
 Sarkes Tarzian, Inc. 1.  
 Soundmaster Ltd. (1).  
 Varah Ltd., L. A. 1.  
 Westronic Engineering Sales A Div. of L. A. Varah Ltd. (1).  
 Wholesale Radio & Electronics Ltd. 1.

Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.  
 United Insulator Div. of The Telegraph Condenser Co. Ltd. 1-2.  
 Welwyn Electrical Laboratories Ltd. 1.  
 Whittaker, E. E. 1-2.

Shamban & Co., W. S. 2.  
 Skydyne, Inc. 1-2.  
 Spartan of Canada Ltd. (1).  
 Standard Telephones & Cables Mfg. Co. (Canada) Ltd. (1).  
 Stratton & Co. Ltd. 1.  
 Tele-Radio Systems Ltd. (1).  
 Tenatronics Ltd. 1.  
 Thompson Ltd., Chas. L. 1.  
 United Aircraft Products, Inc. 1.  
 University Loudspeakers, Inc. 3.  
 Varah Ltd., L. A. 1.  
 Waldom Electronics Inc. 2.  
 Western Agencies Ltd. 1.  
 Whiteley Electrical Radio Co. Ltd. 1-3.  
 Wholesale Radio & Electronics Ltd. 1.

Radio Engineering Products (1).  
 Ram Electronics, Inc. 1.  
 Raytheon Canada Ltd. (1).  
 Research Instrumentation Ltd. (1).  
 Robertshaw-Fulton Controls Co. Aeronautical & Instrument Div. 1.  
 Sinclair Radio Labs. Ltd. (1).  
 Smith Ltd., Irving 1.  
 Smyth Electronic Components Ltd. 1.  
 Spivey, Inc., James S. 1.  
 Switchcraft, Inc. 1.  
 T.M.C. (Canada) Ltd. (1).  
 Tele-Radio Systems Ltd. 1.  
 Telex, Inc. 1.  
 Tensolite Insulated Wire Co., Inc. 1.  
 Thomas Electronics, Inc. 1.  
 Thompson Ltd., Chas. L. 1.  
 Topping Electronics Ltd., R. V. (1).  
 Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1.  
 Westbury Electronics (Canada) Ltd. 1.  
 Westbury Electronics, Inc. 1.  
 Western Agencies Ltd. 1.  
 Whiteley Electrical Radio Co. Ltd. 1.  
 Willard Spenser Co. 1.

**Cabinets**

|               |   |
|---------------|---|
| Metal .....   | 1 |
| Plastic ..... | 2 |
| Wood .....    | 3 |

Addison Industries Ltd. (1)-(3).  
 Alpha Aracon Radio Co. Ltd. 1-2-3.  
 Amalgamated Electric Corp. Ltd. (1).  
 Andersen & Co. Ltd., A. A. (2).  
 Argos Products Company, Inc. 3.  
 Armstrong Ltd., A. T. R. 1-2.  
 Atmosphere Control Co. Inc. 1.  
 Ball Associates, C. A. (1).  
 Barvic Engineering Ltd. (1)-2-(3).  
 Bern and Company Ltd., Lee 1-3.  
 Bishop Sons & Co. Ltd. (1).  
 Burgess, Norris 3.  
 Canada Metal Co., Ltd. (1).  
 Canadian Aviation Electronics Ltd. (1).  
 Canavia Engineering & Sales Co. 1.  
 Canadian General Electric Co., Ltd., Electronic Equipment & Tube Dept. (1).  
 Canadian Electrical Supply Co. Ltd. 1.  
 Churchill Lighting Corp. 1.  
 Clairstone Sound Corp. Ltd. (3).  
 Collins Radio Co. of Canada Ltd. (1).  
 Conway Electronic Enterprises Reg'd 1.  
 Crawford Radio, The 1-3.  
 D & B Sound and Signals Inc. 3.  
 Davis Automatic Controls Ltd. 1.  
 Dewhurst & Partner Ltd. 1.  
 Dominion Aluminum Fabricating Ltd. (1).  
 Dominion Electric Manufacturing Co. Ltd. (1).  
 Dominion Electrohome Industries Ltd. (3).  
 E.M.I. Electronics Ltd. 1.  
 Elder Electronics 1.  
 Electrical Mfg. Co. Ltd. (1).  
 Electro Sonic Supply Co. Ltd. 1-2-3.  
 "El-Mech" (1).  
 Engineered Sound Systems Ltd. (3).  
 Erie Resistors Corp. 2.  
 Erwood Inc. 1.  
 Finkler Ltd., Len 1.  
 Fleet Manufacturing Ltd. (1)-(2).  
 Found Bros. Aviation Ltd. (1).  
 General Communications Ltd. Ltd. (1).  
 General Sound & Theatre Equipment Ltd. 1.  
 Hackbusch Electronics Ltd. (1)-2-3.  
 Hammond Mfg. Co. Ltd. (1).  
 Hartley Products Co. 3.  
 Hathaway, Kraemer Ltd. (2).  
 Industrial & Institutional Communications Ltd. 1-2-3.  
 Kahnert Sales Ltd., R. C. 1-3.  
 Long Sault Woodcraft Ltd. (2).  
 MEL Sales Ltd. 1.  
 Machinery Electrification Inc. 1.  
 Mack Co. Ltd., R. 2-3.  
 MacQuarrie Sales, J. J. (3).  
 Measurement Engineering Ltd. (1).  
 Merritt Co., Ron 3.  
 Mitchell Electronics, J. C. E. 1.  
 Moore Bros. Machinery Co. Ltd. 1.  
 Musmart of Canada, Ltd. 1.  
 National Sound Services Ltd. (1)-(3).  
 Oxford Components, Div. Oxford Electric Corp. 3.  
 P. B. R. Manufacturing Co. 1.  
 Payette Radio Ltd. 1-2.  
 Pioneer Industries Inc. 1-2.  
 Powertronic Equipment Ltd. (1).  
 Premier Metal Products Co. 1.  
 RCA Victor Co. Ltd. (1)-(3).  
 Rascal Engineering Ltd. 1.  
 Radio Trade Supply Ltd. 1-2-3.  
 Rank Cintel Ltd. 1.  
 Raytheon Canada Ltd. (1).  
 S.I.D.A.M. Ltd. (3).

**Cable Assemblies**

Cable Assemblies ..... 1  
 Addison Industries Ltd. (1).  
 Airflite Components Co. 1.  
 Airtron Canada Ltd. (1).  
 Alpha Aracon Radio Co. Ltd. 1.  
 Alpha Wire Corp. 1.  
 Amcan Electrical Harness, Ltd. (1).  
 Amphenol Canada Ltd. (1).  
 Aviation Electric Ltd. (1).  
 Avtek Systems Engineering Ltd. (1).  
 Barron, William T. 1.  
 Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (1).  
 Bendix Aviation Corp., Scintilla Div. 1.  
 Birnbach Radio Co., Inc. 1.  
 Bliss Electronic Corp. 1.  
 Brand & Co., Inc., William 1.  
 Burgess, Norris 1.  
 Burndy Canada Ltd. (1).  
 CBC Electronics Co., Inc. 1.  
 California Technical Industries Div. of Textron Inc. 1.  
 Campbell Mfg. Co. Ltd. (1).  
 Canadian Applied Research Ltd. (1).  
 Canadian Aviation Electronics Ltd. (1).  
 Canadian Electrical Supply Co. Ltd. 1.  
 Canadian Westinghouse Co. Ltd. (1).  
 Cannon Electric Canada Ltd. (1).  
 Cohen Ltd., William 1.  
 Columbia Wire & Supply Co. 1.  
 Co-Operative Industries, Inc. 1.  
 Cords (Canada) Ltd. (1).  
 D & B Sound and Signals Inc. (1).  
 Dale Products, Inc. 1.  
 Delta Aircraft Equipment Ltd. 1.  
 Eagle Signal Co. 1.  
 Eastern Specialty Co. 1.  
 Electrolite Television Equipment Inc. 1.  
 Electronic Components Ltd. (1).  
 Electronic Controls Ltd. (1).  
 Electronic Materials International Ltd. (1).  
 Electro Sonic Supply Co. Ltd. 1.  
 Ericsson Telephone Sales of Canada Ltd. (1).  
 Evershed-Powertronic Ltd. (1).  
 General Cement Mfg. Co. — Div. of Textron Inc. 1.  
 General Radio Co. 1.  
 Hackbusch Electronics Ltd. 1.  
 Hoover Electronics Co. 1.  
 Howard & Co. Ltd., M. J. 1.  
 Hummel, William M. 1.  
 Joy Manufacturing Co. (Canada) Ltd. (1).  
 Lab-Tronics, Inc. 1.  
 Lake Engineering Co. Ltd. 1.  
 Lenkurt Electric Co. of Canada Ltd. (1).  
 Lomas, E. G. 1.  
 MEL Sales Ltd. 1.  
 MacQuarrie Sales, J. J. 1.  
 Magnetic Shield Div. — Perfection Mica Co. 1.  
 Manis Associates Reg'd, Ben (1).  
 Measurement Engineering Ltd. (1).  
 Methode Mfg. Corp. 1.  
 Mitchell Electronics, J. C. E. 1.  
 Murphy Radio Ltd. 1.  
 National Sound Services Ltd. (1).  
 Nichols Ltd., R. H. (1).  
 Norrick Plastics Corp., Div. Norrick Screw Machine Products 1.  
 Northern Radio Mfg. Co. Ltd. 1.  
 Phalo Plastics Corp. 1.  
 Philips Electronics Industries Ltd. (1).

**Cable Clamps and Clips**

Cable Clamps & Clips ..... 1  
 Airtron Inc., A Div. of Litton Industries 1.  
 Alpha Aracon Radio Co. Ltd. 1.  
 Amaton Electronic Hardware Co. 1.  
 Associated Electronic Components Ltd. 1.  
 Automatic Electric Sales (Canada) Ltd. 1.  
 Aviation Electric Ltd. (1).  
 Beatty Bros. Ltd. 1.  
 Birnbach Radio Co., Inc. 1.  
 Brian Engineering Ltd. 1.  
 Burndy Canada Ltd. (1).  
 Canadian Electrical Supply Co. Ltd. 1.  
 Canadian Electronics Ltd. 1.  
 Cannon Electric Canada Ltd. (1).  
 Cooper & Co. Ltd., W. H. 1.  
 Crawford Radio, The 1.  
 Deskin Sales Co., A. 1.  
 Deutsch Co. 1.  
 Dominion Fasteners, Ltd. (1).  
 Dominion Machinery & Equipment Co. Ltd. 1.  
 Electronic Components Ltd. (1).  
 Electro Sonic Supply Co. Ltd. 1.  
 Electrovert Ltd. (1).  
 Ericsson Telephone Sales of Canada Ltd. (1).  
 Etlin Co. Ltd., H. B. (1).  
 Evershed and Vignoles Ltd. 1.  
 Finkler Ltd., Len 1.  
 General Cement Mfg. Co. — Div. of Textron Inc. 1.  
 Goodrich Canada Ltd., B. F. (1).  
 Hellermann (Canada) Ltd. (1).  
 Higginson Equipment Sales Ltd. 1.  
 Holub Industries, Inc. 1.  
 MacQuarrie Sales, J. J. 1.  
 M. M. Newman Corp. 1.  
 Oki & Willadsen Ltd. 1.  
 Payette Radio Ltd. 1.  
 Philips Electronics Industries Ltd. (1).  
 Phillips Electrical Co. Ltd. 1.  
 Radio Trade Supply Ltd. 1.  
 Railway & Power Engineering Corp. Ltd. 1.  
 Simmonds & Sons Ltd., A. C. 1.  
 Smith Ltd., Irving 1.  
 Tinnerman Products, Inc. 1.  
 Varah Ltd., L. A. 1.  
 Waldom Electronics Inc. 1.  
 Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1.  
 Waterloo Electronics Supply Co. Ltd. 1.  
 Western Agencies Ltd. 1.

**Cable**

|                         |   |
|-------------------------|---|
| Coaxial Flexible .....  | 1 |
| Coaxial Rigid .....     | 2 |
| Insulated .....         | 3 |
| Low Capacitance .....   | 4 |
| Microphone .....        | 5 |
| Shielded .....          | 6 |
| Transmission Line ..... | 7 |
| UHF .....               | 8 |

Active Radio & TV Ltd. 1-2-5.  
 Adams Engineering Ltd. 1-2-7.  
 Ahern and Soper Co. Ltd. 3-7-8.

**Brushes**

|                           |   |
|---------------------------|---|
| Carbon and Graphite ..... | 1 |
| Metal-Graphite .....      | 2 |

Canadian Electronics Ltd. 1.  
 Electronic Components Ltd. (1)-(2).  
 Electrovert Ltd. 1.  
 Flier-Smith Machinery Co. Ltd. 1.  
 General Radio Co. (Canadian Branch Office) (1).  
 Pitt Distributing Co. Ltd. 1-2.  
 Ross & Sons Ltd., Frank R. 1-2.  
 Smith Ltd., Irving 1.

**Bulbs, Miniature Lamp**

Bulbs, Miniature Lamp ..... 1  
 Alpha Aracon Radio Co. Ltd. 1.  
 Associated Electrical Industries (Canada) Ltd. (1).  
 Aviation Electric Pacific Ltd. 1.  
 Barvic Engineering Ltd. 1.  
 Bern and Company Ltd., Lee 1.  
 Burgess Battery Co., Div. of Serval (Canada) Ltd. 1.  
 Canadian Electrical Supply Co. Ltd. 1.  
 Canadian Electronics Ltd. 1.  
 Chicago Miniature Lamp Works 1.  
 Conway Electronic Enterprises Reg'd 1.  
 Crawford Radio, The 1.  
 Electromechanical Products 1.  
 Electro Sonic Supply Co. Ltd. 1.  
 Hackbusch Electronics Ltd. 1.  
 Lake Engineering Co. Ltd. 1.  
 Lomas, E. G. 1.  
 Mack Co. Ltd., R. 1.  
 Oki & Willadsen Ltd. 1.  
 Payette Radio Ltd. 1.  
 Pfeiffer Electronic Laboratories 1.  
 Pitt Distributing Co. Ltd. 1.  
 Radio Trade Supply Ltd. 1.  
 Railway & Power Engineering Corp. Ltd. 1.  
 Ray-O-Vac Ltd. 1.  
 Varah Ltd., L. A. 1.  
 Waterloo Electronics Supply Co. Ltd. 1.  
 Western Agencies Ltd. 1.  
 Whittaker, E. E. 1.

**Bushings**

|                           |   |
|---------------------------|---|
| Hermetically Sealed ..... | 1 |
| Nonmetallic .....         | 2 |

A.P.M. Corp. (Automatic & Precision Mfg. Corp.) 1.  
 Andersen & Co. Ltd., A. A. 2.  
 Astral Electric Co. Ltd. 1.  
 Continental-Diamond Fibre of Canada Ltd. (2).  
 Cord (Canada) Ltd. (2).  
 Eagle Electric Mfg. Co. Inc. 2.  
 Electrical Industries, Div. of Philips Electronics, Inc. 1.  
 Electro Sonic Supply Co. Ltd. 2.  
 Electrovert Ltd. 1-2.  
 Hummel, William M. 1-2.  
 Kerr-Machin Associates 2.  
 Lake Engineering Co. Ltd. 1-2.  
 National Fibre Co. of Canada Ltd. (2).  
 Norrick Plastics Corp., Div. Norrick Screw Machine Products 1-2.  
 Polypenco, Inc. 2.  
 Quality Hermetics Ltd. (1).  
 Radio Trade Supply Ltd. 2.  
 Smith & Stone Ltd. (2).  
 Smith Ltd., Irving 2.  
 Spaulding Fibre of Canada Ltd. (2).

Airflite Components Co. 3-4-6.  
 Alford Manufacturing Co. 2.  
 Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-6-7-8.  
 Alpha Wire Corp. 3-4-5-6.  
 Aluminum Co. of Canada, Ltd. (ALCAN) (7).  
 Amalgamated Electric Corp. Ltd. (1)-(3)-(6).  
 Amphenol Canada Ltd. (1)-(2)-(5)-(6)-(8).  
 Andrew Antenna Corp. Ltd. (1)-(2)-(7)-(8).  
 Barron, William T. 1-2-3-4-5-6-7-8.  
 Barvic Engineering Ltd. 1-2-4-5-6-8.  
 Benco Television Associates Ltd. (1).  
 Bern and Company Ltd., Lee 1-5-6-7.  
 Birnbach Radio Co., Inc. 1-3-4-5-6-7-8.  
 Brand & Co., Inc., William 1-2-3-4-5-6-7-8.  
 Buckland Co., Robert J. 7.  
 Canada Wire and Cable Co. Ltd. (1)-(2)-(3)-(4)-(5)-(6)-(7)-(8).  
 Canadian Electrical Supply Co. Ltd. 1-2-3-4-5-6-7-8.  
 Canadian Electronics Ltd. 1-3-4-5-6-7-8.  
 Clark Ltd., Alex L. 5.  
 Collins Radio Co. of Canada Ltd. 1-7.  
 Columbia Wire & Supply Co. 1-3-4-5-6-7-8.  
 Consolidated Wire and Associated Cos. 1-3-4-5-6-7-8.  
 Co-Operative Industries, Inc. 1-6.  
 Cords (Canada) Ltd. (3).  
 Crawford Radio, The 1-2-3-4-5-6-7-8.  
 Dayrand Ltd. 1-2-7-8.  
 Delta Aircraft Equipment Ltd. 1-3-4-6.  
 Dominion Machinery & Equipment Co. Ltd. 1-2-3-6-7.  
 Electrolabs 1-2-3-4-5-6-7.  
 Electroline Television Equipment Inc. 1.  
 Electronic Components Ltd. (3).  
 Electro Sonic Supply Co. Ltd. 1-3-4-5-6-7-8.  
 Ericsson Telephones Sales of Canada Ltd. (3)-(6).  
 Federal Wire & Cable Co. Ltd., Div. of H. K. Porter Company (Canada) Ltd. (1).  
 (1)-(2)-(3)-(4)-(5)-(6)-(7)-(8).  
 General Cement Mfg. Co. — Div. of Textron Inc. 5.  
 General Radio Co. (Canadian Branch Office) (1).  
 General Radio Co. 1-6.  
 General Sound & Theatre Equipment Ltd. 3-5-6.  
 General Wire & Cable Co. (1)-(2)-(3)-(4)-(5)-(6)-(7)-(8).  
 Glendon Co. Ltd., The 1-5-6.  
 Hackbusch Electronics Ltd. 1-5-6-7.  
 Hart Electronics Ltd. 1.  
 Jerrold Electronics (Canada) Ltd. (1).  
 Lab-Tronics, Inc. 1-3-4-5-6.  
 Lake Engineering Co. Ltd. 1-4-7.  
 Mack Co. Ltd., R. 5.  
 Magnetic Shield Div. — Perfection Mica Co. 3-4-6.  
 Manis Associates Reg'd, Ben (3)-(6)-(7).  
 Mechron Engineering Products Ltd. 1-3-5-6.  
 Merritt Co., Ron 1-7.  
 Mohawk Wire & Cable Corp. 1-3-4-5-6-7-8.  
 Musimart of Canada, Ltd. 1-3-4-5-6-7.  
 Narda Microwave Corp., The 7.  
 Northern Electric Co. Ltd. 1-2-3-4-5-6-7-8.  
 Payette Radio Ltd. 1-3-5-6-7-8.  
 Peffer Sound Systems Ltd. 3-5-6.  
 Permannold Ltd. 1-2-3-5-6-7.  
 Phalo Plastics Corp. 1-3-4-5-6-7-8.  
 Phillips Electrical Co. Ltd. (1)-(2)-(3)-(4)-(5)-(6)-(7)-(8).  
 Pirelli Cables, Conduits Ltd. (3)-(6)-(7).  
 Powerlite Devices Ltd. 2.  
 Pye Canada Ltd., Transmission Div. 1-2-3-4-5-6-7.  
 RCA Victor Co. Ltd. 1-2-3-5-6-7.  
 Radio Trade Supply Ltd. 1-2-3-4-5-6-7-8.  
 Royal Electric Co. (Quebec) Ltd. (1)-(3).  
 Rutherford Agencies 1-3-4-5-6-7-8.  
 Siemens Edison Swan (Canada) Ltd. 3-6.  
 Smith Ltd., Irving 1-3.

Smyth Electronic Components Ltd. 1-3-4-5-6.  
 Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.  
 Standard Wire & Cable Ltd. (3)-(6)-(7).  
 Switchcraft, Inc. 5-6.  
 T.M.C. (Canada) Ltd. 1-6-7.  
 Telerad Mfg. Corp. 2.  
 Tele-Radio Systems Ltd. 1-2-3-5-6-7-8.  
 Tenatronics Ltd. 1.  
 Tensolite Insulated Wire Co., Inc. 1-3-4-5-6-7-8.  
 Thompson Ltd., Chas. L. 1-3-4-5-6-7-8.  
 Titania Electric Corp. of Canada Ltd. 4.  
 Varah Ltd., L. A. 1-2-3-4-5-6-7-8.  
 Walseco Electronics Mfg. Co. — Div. of Textron Inc. 5.  
 Waterloo Electronics Supply Co. Ltd. 1-3-4-5-6-7.  
 Westbury Electronics (Canada) Ltd. 1.  
 Western Agencies Ltd. 1-2-3-4-5-6-7-8.  
 White Radio Ltd. 1-3-4-5-6-7-8.  
 Wholesale Radio & Electronics Ltd. 1-3-4-5-6-7-8.  
 Willard Spenser Co. 8.

Daystrom, Ltd. 1.  
 Electrodesign 1.  
 Electromechanical Products 1.  
 FXR Inc. 1.  
 Hewlett-Packard Co. 1.  
 Lomas, E. G. 1.  
 Microwave Associates, Inc. 1.  
 Mitchell Electronics, J. C. E. 1.  
 Polytechnic Research & Development Co., Inc. 1.  
 Research Instrumentation Ltd. (1).  
 Sierra Electronic Corp. 1.  
 Sinclair Radio Labs. Ltd. (1).

|                           |    |
|---------------------------|----|
| Feed Through .....        | 6  |
| Fixed Composition .....   | 7  |
| Gas Filled .....          | 8  |
| Glass Dielectric .....    | 9  |
| High Voltage .....        | 10 |
| Metallizer Mylar .....    | 11 |
| Metallized Paper .....    | 12 |
| Mica .....                | 13 |
| Oil Filled .....          | 14 |
| Paper .....               | 15 |
| Plastic .....             | 16 |
| Power Factor .....        | 17 |
| Precision Air .....       | 18 |
| Pulse Forming Network ... | 19 |
| Silicone Filled .....     | 20 |
| Silvered Mica .....       | 21 |
| Tantalum .....            | 22 |
| Vacuum .....              | 23 |

**Cameras**

|                       |   |
|-----------------------|---|
| Oscilloscope .....    | 1 |
| Radar Recording ..... | 2 |
| Television .....      | 3 |
| X-Ray .....           | 4 |

ARVA Inc. (3).  
 Atlas Instrument Corp. Ltd. 1.  
 Bayly Engineering Ltd. 1.  
 Benco Television Associates Ltd. 3.  
 Blonder-Tongue Laboratories, Inc. 3.  
 Blunt Ltd., L. G. 3.  
 Canadian Applied Research Ltd. (2).  
 Canadian Electronics Ltd. 1-3.  
 Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. (3).  
 Canadian Pratt and Whitney Aircraft Co., Ltd. 3.  
 Chisholm Industries Ltd. 3.  
 Conway Electronic Enterprises Reg'd 1-3-4.  
 Cossor Instruments Ltd. 1.  
 Decca Radar (Canada) Ltd. 2.  
 Diamond Power Specialty Corp., Electronics Div. 3.  
 E.M.I.-Cossor Electronics Ltd. (1)-(2).  
 E.M.I. Electronics Ltd. 1-3.  
 Electrodesign 1.  
 Electromechanical Products 1.  
 Electronic Tube Corp. 1.  
 Garlick Films Ltd. 1.  
 General Sound & Theatre Equipment Ltd. 3.  
 Hewlett-Packard Co. 1.  
 Langham Thompson Ltd., J. 1.  
 Marconi's Wireless Telegraph Co. Ltd. 3.  
 Nagard Ltd. 1.  
 Pacific Communications Services Ltd. 3.  
 Philco Corp. of Canada Ltd. 3.  
 Phillips Electronics Industries Ltd. (1)-(3)-(4).  
 Pye Canada Ltd., Transmission Div. (3).  
 RCA Victor Co. Ltd. (3).  
 Radionics Ltd. 3.  
 Rank Cintel Ltd. 1-2.  
 Sarks Tarzian, Inc. 3.  
 Shackman & Sons, D. 1.  
 Southern Instruments Ltd. 1.  
 Southwestern Industrial Electronics Co. 1.  
 Tequipment Mfg. Co. Ltd. 3.  
 Tele-Radio Systems Ltd. 3.  
 Thompson Products Ltd. 3.  
 Waterloo Electronics Supply Ltd. 1.  
 Western Agencies Ltd. 3.  
 Whittaker, E. E. 1.

Active Radio & TV Ltd. 3-4-14-15.  
 Adams Engineering Ltd. 1-3-4-5-6-7-10-11-12-13-14-15-16-17-21.  
 Aeromotive Engineering Products Ltd. 6-9-10-11-16-20.  
 Aerovox Canada Ltd. (1)-2-(3)-(4)-5-(6)-(7)-(10)-(11)-(12)-(13)-(14)-(15)-(16)-(17)-(21)-22.  
 Ahearn and Soper Co. Ltd. 2-4-6-10-11-13-18-22-23.  
 Airborne Accessories Corp. 6-10-11-12-13.  
 Aircraft Appliances & Equipment Ltd. 6-11-19.  
 Aircraft-Marine Products of Canada, Ltd. (15)-(19).  
 Allen-Bradley Canada Ltd. 1.  
 Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-6-7-9-10-11-12-13-14-15-16-17-18-21-22-23.  
 Amalgamated Electric Corp. Ltd. (16).  
 Ampere Electronic Corp. 23.  
 Armstrong Ltd., A. T. R. (1)-(15)-(16).  
 Associated Electronic Components Ltd. 1-2-3-4-5-6-10-12-13-14-15-16-17-20.  
 Astral Electric Co., Ltd. 3-4.  
 Astron Corp. 1-3-4-6-7-10-11-12-14-15-16-20-22.  
 Automatic Coil Mfg. Co. (1)-6.  
 Automatic Telephone & Electric Co. Ltd. 12-13-15.  
 Barron, William T. 1-2-3-4-5-6-7-10-11-12-13-14-15-16-17-18-19-21-22-23.  
 Bayly Engineering Ltd. (19).  
 Bendix Aviation Corp., Scintilla Div. 5-10-13-17-19.  
 Bern and Company, Ltd., Lee 1-2-3-4-6-7-13-14-15-16-21.  
 Berselli Agencies, William (1)-(3)-(4)-(10)-(15)-(16)-(17).  
 Boyd Ltd., Winnett 11.  
 Bradford Components, Inc. 1.  
 Brown Boveri (Canada) Ltd. (10)-(13)-(17).  
 Buckland Co., Robert J. 1.  
 Cambridge Instrument Co., Ltd. 18.  
 Cambridge Thermionic of Canada, Ltd. (1).  
 Canadian Electrical Supply Co. Ltd. 1-2-3-4-5-6-7-10-12-13-14-15-16-18-21-22.  
 Canadian Electronics Ltd. 1-2-3-4-5-6-7-9-11-12-13-14-15-16-17-20-21-22.  
 Canadian Research Institute (2).  
 Canadian Stackpole Ltd. (7).  
 Capacitors of Canada Ltd. (15).  
 Centralab Canada Ltd. (1)-(6)-(10).  
 Centralab Div. of Globe Union Inc. 1-6-10.  
 Cohen Ltd., William 3-4-8-10-11-12-14-22.  
 Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23.  
 Cornell-Dubilier Electric Corp. 1-2-3-4-5-6-7-10-11-12-13-14-15-16-17-19-20-21-22.  
 Crawford Radio, The 1-3-4-6-7-10-12-13-14-15-16-21-23.  
 Daly Capacitors Ltd. (3).  
 Daveco Agencies Ltd. 3-4-13-15-21.  
 Desser E-E Ltd. 1-13.  
 Dubilier Condenser Co. (1925) Ltd. 1-3-4-5-6-8-10-13-14-15-16-17-19-21.  
 Eastern Jewel Corp. 3.  
 Eclipse Electronics Co. (6)-(12)-(14)-(15)-(18).  
 Electra Manufacturing Co. 1.  
 Electrodesign 1-3-4-6-11-12-13-15-22.  
 Electrolabs 1-7-10-17.  
 Electromechanical Products 5-10-11-12-15-16.  
 Electron Products Co. (A Div. of Preco Inc.) 6-10-11-12-14-15-16-17-20.

**Calibrators**

|                   |   |
|-------------------|---|
| Crystal .....     | 1 |
| Frequency .....   | 2 |
| Radar Range ..... | 3 |
| Sweep .....       | 4 |

Ahearn and Soper Co. Ltd. 2.  
 Alpha Aracon Radio Co. Ltd. 1.  
 Buckland Co., Robert J. 1.  
 Canadian Aviation Electronics Ltd. (3).  
 Canadian Electrical Supply Co. Ltd. 1-2-4.  
 Canadian Marconi Co. 1.  
 Control Electronics Co., Inc. 1-2-3.  
 Conway Electronic Enterprises Reg'd 1-2-3-4.  
 Crawford Radio, The 1-4.  
 Daystrom, Ltd. 1-2.  
 Decca Radar (Canada) Ltd. (3).  
 E.M.I.-Cossor Electronics Ltd. 2-4.  
 Electrodesign 2.  
 Electromechanical Products 1-2.  
 Electro Sonic Supply Co. Ltd. 1-2-4.  
 Frequency Standards 2.  
 General Communication Co. 2.  
 General Radio Co. (Canadian Branch Office) (1).  
 General Radio Co. 1-2.  
 Gray Ltd., H. Roy 1.  
 Hackbusch Electronics Ltd. 2-4.  
 Intronics Ltd. 1-2.  
 Johnson Co., E. F. 1.  
 Kay Electric Co. 2-3-4.  
 Lake Engineering Co. Ltd. 1-2.  
 Lomas, E. G. 1-2-3.  
 MEL Sales Ltd. 1-4.  
 Marconi's Wireless Telegraph Co. Ltd. 1-3.  
 Measurement Engineering Ltd. (1)-(2)-(3).  
 Measurements Corp., A McGraw-Edison Div. 1.  
 Merritt Co., Ron 2.  
 Mitchell Electronics, J. C. E. 2.  
 Norrman Laboratories, Ernst 2.  
 Polytechnic Research & Development Co., Inc. 2.  
 RCA Victor Co. Ltd. (2)-(4).  
 Radio Frequency Laboratories, Inc. 1.  
 Radio Trade Supply Ltd. 1-2-4.  
 Smyth Electronic Components Ltd. 1-2-3-4.  
 Spivey, Inc., James S. 1-2.  
 T.M.C. (Canada) Ltd. (1)-(2).  
 Tel-Instrument Electronics Corp. 3.  
 Tenatronics Ltd. 1.  
 Topping Electronics Ltd., F. V. (2).  
 Vector Labs, Inc. (2).  
 Waterloo Electronics Supply Co. Ltd. 1.  
 White Radio Ltd. 1.  
 Whittaker, E. E. 3.  
 Willard Spenser Co. 3.

**Calorimeters, Microwave**

Airtron Inc., A Div. of Litton Industries 1.  
 Beechey Enterprises 1.  
 Bendix Aviation Corp., Scintilla Div. 1.  
 Chemalloy Electronics Corp. 1.  
 Conway Electronic Enterprises Reg'd 1.

**Cans**

Bishop Sons & Co. Ltd. (1).  
 Clark Ltd., Alex L. 1.  
 Electro Sonic Supply Co. Ltd. 1.  
 Essex Electronics of Canada Ltd. 1.  
 Garlick Films Ltd. 1.  
 Glendon Co. Ltd., The 1.  
 Hammond Mfg. Co. Ltd. (1).  
 Hummel, William M. 1.  
 Magnetic Shield Div. — Perfection Mica Co. 1.  
 Measurement Engineering Ltd. (1).  
 Neosid (Canada) Ltd. 1.  
 Norrich Plastics Corp., Div. Norrich Screw Machine Products 1.  
 Siemens Edison Swan (Canada) Ltd. 1.  
 Staver Co., Inc., The 1.  
 United-Carr Fastener Co. of Canada Ltd. (1).

**Capacitors, Fixed**

|                                  |   |
|----------------------------------|---|
| Ceramic .....                    | 1 |
| Decade .....                     | 2 |
| Electrolytic .....               | 3 |
| Electrolytic, Subminiature ..... | 4 |
| Energy Storage .....             | 5 |

- Electro Sonic Supply Co. Ltd. 1-2-3-4-5-6-7-10-11-12-13-14-15-16-17-21-22.
- Enfo Inc. 4-16.
- Ericsson Telephone Sales of Canada Ltd. (1)-(3)-(12).
- Erie Resistor of Canada Ltd. (1)-(6)-(9)-(21).
- Erie Resistor Corp. 1-3-6-7-13-21.
- Filtron Co., Inc. 5-8-10-11-12-14-15-16-17-19-20.
- Finkler Ltd., Len 3-4-13-15-21-22.
- Geerz & Holm Canada Ltd. 15-16.
- General Radio Co. (Canadian Branch Office) (2)-(7)-(13)-(15)-(18).
- General Radio Co. 2-13-16-18-21.
- Gould Sales Co., E. S. 1-6-11-12-15-16.
- Hackbusch Electronics Ltd. 15.
- Heenan Ltd., P. J. 1-3-6-10-13-14-15-21.
- Herring & Co. Ltd., John 1-2-6-19.
- Howard & Co. Ltd., M. J. 1-3-4-5-6-10-11-12-13-14-15-16-17-21-22.
- Hummel, William M. 1-6.
- International Telephone & Telegraph Corp., Components Div. 3-22.
- Jeffers Electronics Div., Speer Carbon Co. 7.
- Johnson Matthey & Mallory Ltd. (3)-(4)-(21)-(22).
- Kahmert Sales Ltd., R. C. 3-4-5-11-13-14-15-21-22.
- Kerr-Machin Associates 1-7-12-15.
- Lake Engineering Co. Ltd. 1-2-5-6-7-9-10-11-12-13-14-15-16-17-19-20-22.
- London Electrical Mfg. Co. Ltd. 1-2-6-7-9-10-13-18-21.
- MEL Sales Ltd. 18.
- Mack Co. Ltd., R. 3-4-13-14-15.
- Mallory & Co. Inc., P. R. 1-2-3-4-5-6-14-15-16-22.
- McIntyre Agencies 1-2-3-4-6-7-10-11-12-13-14-15-16-18-21-22.
- McVity & Co., J. R. G. (1)-(3)-(4)-(22).
- Micafil Ltd. 10-17-18.
- Micarta Fabricators Ltd. (1)-(2)-(3)-(4)-(5)-(6)-(7)-(10)-(11)-(12)-(13)-(14)-(15)-(16)-(17)-(19)-(20)-(22).
- Mitchell Electronics, J. C. E. 3-4.
- Mucon Corp. 1.
- Muirhead Instruments Ltd. 1-2-13-18.
- Muirhead & Co. Ltd. 2-13-15-18.
- New York Coil Co. 15-16.
- Ohmite Mfg. Co. 3-4-22.
- Onondaga Pottery Co., Electronics Div. 1.
- Payette Radio Ltd. 1-2-3-4-6-7-10-11-12-13-14-15-16-21-22-23.
- Philips Electronics Industries Ltd. (10).
- Phillips Electrical Co. Ltd. 1-3-4-5-7-10-12-13-14-15-17-18-19-23.
- Plastic Capacitors, Inc. 2-5-10-11-12-14-15-16-17-19-20.
- Plessey Co. of Canada Ltd. (1)-(3)-(4)-(22).
- Pointon Ltd., Charles W. 1-3-4-10-11-12-14-15-16-22.
- Pyramid Electric Co. 3-4-10-12-14-15-22.
- Radiation Research Corp. 5.
- Radio Trade Supply Ltd. 1-2-3-4-5-6-7-10-11-12-13-14-15-16-17-21-22-23.
- Railway & Power Engineering Corp. Ltd. 2-18-21.
- Randall (Canada) Ltd., Douglas 11-12-14-15-19.
- Robinson Co., C. M. 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-20-21-22-23.
- Rogers Electronic Tubes & Components (1)-(3)-(4)-(6)-(7)-(11)-(12)-(13)-(14)-(15)-(18)-(19)-(21)-(22).
- Rutherford Agencies 1-2-3-4-5-6-7-10-11-12-13-14-15-16-17-18-19-20-21-22.
- Sangamo Electric Co. 3-4-5-6-10-13-14-15-16-17-21.
- Shamban & Co., W. S. 16.
- Siemens Edison Swan (Canada) Ltd. 23.
- Simmonds & Sons Ltd., A. C. (3)-(4)-(22).
- Smyth Electronic Components Ltd. 1-6-13-14-15-16-17-21.
- Solar Mfg. Corp. 1-6-10.
- Southern Electronics Corp. 2-10-11-16.
- Sprague International Ltd. 1-3-4-5-6-10-11-12-13-14-15-16-17-19-20-21-22.
- Stability Capacitors Ltd. 1-6-13-21.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1-3-4-7-12-13-14-15-17-21-22-23.
- Suflex Ltd. 16.
- Taylor-Leslie Mining & Engineering Corp. Ltd. (3)-(22).
- Tecneek Associates 2.
- Telegraph Condenser Co. (Canada) Ltd., The 1-2-3-4-5-6-10-11-13-14-15-16-17-19-21-(22).
- Telegraph Condenser Co. Ltd., The 1-2-3-4-5-6-7-10-11-12-13-14-15-16-17-18-19-21-22.
- Telephone Mfg. Co. Ltd. 11-12-13-14-15-18-17-21.
- Tequipment Mfg. Co. Ltd. 3-13-15-21.
- Texas Instruments Incorporated 4-22.
- Texas Instruments Incorporated, Semiconductor-Components Div. 22.
- Thompson Ltd., Chas. L. 1-2-3-4-5-6-7-10-11-12-13-14-15-18-17-16-21-22.
- Tilton Ltd., John R. 1-2-3-4-5-6-7-9-10-11-12-13-14-15-16-17-18-19-21-22.
- Titania Electric Corp. of Canada Ltd. (1)-(5).
- Tregaskiss Sales Co., William 1-3-4-5-6-7-9-10-12-13-14-15-17-19.
- United Electronic Mfg. Corp. 3.
- United Insulator Div. of The Telegraph Condenser Co. Ltd. 1-6-10.
- Varah Ltd., L. A. 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-20-21-22-23.
- Vitramon, Inc. 1-6-7-9-19.
- Waterloo Electronics Supply Co. Ltd. 1-2-3-4-5-6-7-10-11-12-13-14-15-16-21.
- Western Agencies Ltd. 1-3-4-6-7-9-10-11-12-13-14-15-18-21.
- Whittaker, E. E. 2-4-5-6-7-10-11-12-14-15-16-17-19-22.
- Wholesale Radio & Electronics Ltd. 1-2-3-4-6-7-10-11-12-13-14-15-16-21-22-23.
- National Radio Co. Inc. 1.
- Payette Radio Ltd. 1-2-3-6-7.
- Pfeiffer Electronic Laboratories 1-3.
- Plessey Co. of Canada Ltd. (1)-(2)-(6)-(7).
- Pointon Ltd., Charles W. 1-6-7.
- Radio Condenser Co. Ltd. (6)-(7).
- Radio Trade Supply Ltd. 1-2-3-4-5-6-7.
- Rogers Electronic Tubes & Components (1)-(2)-(3)-(4)-(5)-(6)-(7).
- Rutherford Agencies 1-2-6-7.
- Sarkes Tarzian, Inc. 1.
- Simmonds & Sons Ltd., A. C. (1)-(7).
- Smyth Electronic Components Ltd. 1.
- Solar Mfg. Corp. 2.
- Stratton & Co. Ltd. 1-6-7.
- Telegraph Condenser Co. Ltd., The 2.
- Tequipment Mfg. Co. Ltd. 1.
- Tenatronics Ltd. 1-6-7.
- Thompson Ltd., Chas. L. 1-2-6-7.
- Tilton Ltd., John R. 4.
- Tregaskiss Sales Co., Wm. 2-3.
- United Insulator Div. of The Telegraph Condenser Co. Ltd. 2.
- Varah Ltd., L. A. 1-2-3-4-5-6-7.
- Waterloo Electronics Supply Co. Ltd. 1-2-3-6-7.
- Western Agencies Ltd. 1-2.
- White Radio Ltd. 1-(3).
- Wholesale Radio & Electronics Ltd. 1-2-3-6-7.
- Bern and Company Ltd., Lee 1-2-3.
- Bishop Sons & Co. Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1-3.
- Canadian Electronics Ltd. 1-2-3.
- Canavia Engineering & Sales Co. 1.
- Churchill Lighting Corp. 1.
- Continental-Diamond Fibre of Canada Ltd. (1).
- Conway Electronic Enterprises Reg'd 1-2.
- Crawford Radio, The 1-2-3.
- Davies Molding Co., Harry 1.
- Dayrand Ltd. 1.
- Daystrom, Ltd. (1)-(2).
- E.M.I. Electronics Ltd. 1.
- Electronic Enterprises Ltd. (3).
- Electro Sonic Supply Co. Ltd. 1-2-3.
- Finkler Ltd., Len 1.
- Fischer & Porter (Canada) Ltd. (1).
- Found Bros. Aviation Ltd. (1).
- Hackbusch Electronics Ltd. 3.
- Hammond Mfg. Co. Ltd. (1).
- Holman Luggage Ltd. (1)-(2)-(3).
- MEL Sales Ltd. 1.
- Mack Co. Ltd., R. 1-2.
- MacQuarrie Sales, J. J. (1)-(3).
- Measurement Engineering Ltd. (1).
- Mitchell Electronics, J. C. E. 1.
- Payette Radio Ltd. 1.
- Premier Metal Products Co. 1.
- Radio Trade Supply Ltd. 1-2-3.
- Research Instrumentation Ltd. (1).
- Robinson Co., C. M. 1.
- S.I.D.A.M. (1).
- Simpson Electric Co. 1-2.
- Skydyne, Inc. 1.
- Smith Ltd., Irving 1-2.
- Stratton & Co. Ltd. 1.
- Tenatronics Ltd. 1-3.
- Varah Ltd., L. A. 1-2-3.
- Wadom Electronics Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1-3.
- Whiteley Electrical Radio Co. Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1-2.

### Cartridges

- Cartridges ..... 1
- Alpha Aracon Radio Co. Ltd. 1.
- Armstrong Ltd., A. T. R. (1).
- Barvic Engineering Ltd. 1.
- Belanger, Omer 1.
- Bern and Company Ltd., Lee 1.
- Canadian Astatic Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian General Electric Co. Ltd., Electronic Tube Section (Radiovalve Co. Ltd.) 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Clark Ltd., Alex L. 1.
- Crawford Radio, The 1.
- Daveco Agencies Ltd. 1.
- Dayrand Ltd. 1.
- Desser E-E Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Engineered Sound Systems Ltd. 1.
- Erie Resistor of Canada Ltd. 1.
- Erie Resistor Corp. 1.
- Finkler Ltd., Len 1.
- Glendon Co. Ltd., The 1.
- Hackbusch Electronics Ltd. 1.
- Kahmert Sales Ltd., R. C. 1.
- Lake Engineering Co. Ltd. 1.
- Mack Co. Ltd., R. 1.
- Merritt Co., Ron 1.
- Musmart of Canada, Ltd. 1.
- Payette Radio Ltd. 1.
- Peacock Brothers Ltd. 1.
- Peffer Sound Systems Ltd. 1.
- Pickering and Company, Inc. 1.
- Plessey Co. of Canada Ltd. (1).
- Pointon Ltd., Charles W. 1.
- Radio Trade Supply Ltd. 1.
- Robinson Co., C. M. 1.
- Rogers Electronic Tubes & Components 1.
- Seabreeze Sales Ltd. 1.
- Simmonds & Sons Ltd., A. C. (1).
- Smyth Electronic Components Ltd. (1).
- Thompson Ltd., Chas. L. 1.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

### Capacitors, Variable

- Trimmer-Air ..... 1
- Trimmer-Ceramic ..... 2
- Trimmer-Mica ..... 3
- Trimmer Glass or Quartz ..... 4
- Trimmer-Vacuum ..... 5
- Tuning-Receiving ..... 6
- Tuning-Transmitter ..... 7

- Ahern and Soper Co. Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-6-7.
- Associated Electronic Components Ltd. 1-2-3-6-7.
- Atlas Radio Corp. Ltd. 1-2-3.
- Automatic Telephone & Electric Co. Ltd. 1-2-3.
- Barron, William T. 1-6.
- Bern and Company Ltd., Lee 1-6-7.
- Berselli Agencies, William (1).
- Cambridge Thermionic of Canada, Ltd. (2)-(4).
- Canadian Electrical Supply Co. Ltd. 1-6-7.
- Canadian Electronics Ltd. 1-2-3-4-5-6-7.
- Canadian Marconi Co., Electronic Tube & Components Div. 1-2-3-6-7.
- Centralab Canada Ltd. (2).
- Centralab Div. of Globe Union Inc. 2.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7.
- Crawford Radio, The 1-2-3-6-7.
- Dubliner Condenser Co. (1925) Ltd. 2.
- Electrodesign 2-3-6.
- Electro Sonic Supply Co. Ltd. 1-2-3-4-6-7.
- English Electric Valve Co. Ltd. 5.
- Erie Resistor of Canada Ltd. (2)-4.
- Erie Resistor Corp. 2-4.
- Finkler Ltd., Len 1.
- General Radio Co. (Canadian Branch Office) (1).
- Gray Ltd., H. Roy 6-7.
- Hammond Mfg. Co. Ltd. (7).
- Heenan Ltd., P. J. 2.
- Instrudon Corp. 7.
- International Rectifier Corp. 6.
- JFD Electronics Corp. 2-4-6.
- Jackson Brothers (London) Ltd. 1-6-7.
- Johnson Co., E. F. 1-7.
- Lake Engineering Co. Ltd. 2-4-6.
- Mack Co. Ltd., R. 1-6-7.
- Marsland Engineering Ltd. (1)-(4)-(6).
- Mitchell Electronics, J. C. E. 1-2-3-4-7.

### Cavities, Microwave

- Cavities, Microwave ..... 1
- Airborne Instruments Lab., A Div. of Cutler-Hammer, Inc. 1.
- Aircorn Inc. 1.
- Airtron Canada Ltd. (1).
- Airtron Inc., A. Div. of Litton Industries 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Andrew Antenna Corp. Ltd. (1).
- Beaconing Optical & Precision Materials Co. Ltd. (BOP Ltd.) (1).
- Canadian Marconi Co. (1).
- Canadian Westinghouse Co. Ltd. (1).
- Collins Radio Co. of Canada Ltd. (1).
- Conway Electronic Enterprises Reg'd 1.
- Dayrand Ltd. 1.
- Delta Aircraft Equipment Ltd. 1.
- DeMornay-Bonardi, Inc. 1.
- Douglas Microwave Co., Inc. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- E.M.I. Electronics Ltd. 1.
- Empire Devices Products Corp. 1.
- FXR Inc. 1.
- Frequency Standards 1.
- Intronics Ltd. 1.
- Lomas, E. G. 1.
- MEL Sales Ltd. 1.
- Marsland Engineering Ltd. (1).
- Microwave Systems 1.
- Mitchell Electronics, J. C. E. 1.
- Narda Microwave Corp., The 1.
- Polarad Electronics Corp. 1.
- Polytechnic Research & Development Co. Inc. 1.
- RCA Victor Co. Ltd. (1).
- R-O-R Associates Ltd. 1.
- Radionics Ltd. 1.
- Raytheon Canada Ltd. (1).
- Scott & Co. (Electrical Engineers) Ltd., James 1.
- Sheppard, R. D. B. 1.
- Sinclair Radio Labs. Ltd. (1).
- Smyth Electronic Components Ltd. 1.
- Telerad Mfg. Corp. 1.
- Varah Ltd., L. A. 1.

### Cells

- Photoelectric ..... 1

|                |   |
|----------------|---|
| Solar .....    | 2 |
| Standard ..... | 3 |

- Ahearn and Soper Co. Ltd. 1-2.
- Alpha Aracon Radio Co. Ltd. 1-2-3.
- Associated Electrical Industries (Canada) Ltd. (1).
- Atlas Radio Corp. Ltd. 1.
- Bern and Company Ltd., Lee 1-2.
- Best Co., John 1.
- Cambridge Instrument Co., Ltd. 3.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1-2.
- Constellation Components Co. 3.
- Conway Electronic Enterprises Reg'd 1-2-3.
- Crawford Associates, Allan 3.
- Daystrom, Ltd. 1-3.
- Dynapar Corp. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- E.M.I. Electronics Ltd. 1.
- Electronics Corp. of America (Canada) Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1-2.
- Ellis Industries, The J. W. 1-2-3.
- Evans Electro Selenium Ltd. 1.
- Ferroxcube Corp. of America 1.
- General Sound & Theatre Equipment Ltd. 1.
- Hackbusch Electronics Ltd. 1.
- Herring & Co. Ltd., John 1.
- Honeywell Controls Ltd. (3).
- Hughes Prod'cts/Semiconductor Div., Hughes Aircraft Co. 2.
- Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd. 1.
- International Rectifier Corp. 1-2-3.
- Lisle Instrument Systems 1.
- MacIvor Electronics Ltd. 1.
- Martin Engineering Inc. 1.
- Measurement Engineering Ltd. (1).
- Mulrhead Instruments Ltd. 3.
- National Semiconductors Ltd. (1).
- Nichols Ltd., R. H. 3.
- Payette Radio Ltd. 1-2-3.
- Polytronics Co. 1-(3).
- Pye & Co. Ltd., W. G. 3.
- Radionics Ltd. 3.
- Radio Trade Supply Ltd. 1-2-3.
- Rank Cintel Ltd. 1.
- Rogers Electronic Tubes & Components (1).
- Siemens Edison Swan (Canada) Ltd. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Tecneek Associates 1.
- Varah Ltd., L. A. 1-3.
- Vickers Inc., Electric Products Div. 1-2.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1-2.
- Wholesale Radio & Electronics Ltd. 1-2-3.

### Cements, Radio

|                      |   |
|----------------------|---|
| Cements, Radio ..... | 1 |
|----------------------|---|

- Active Radio & TV Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Andersen & Co. Ltd., A. A. 1.
- Atlas Radio Corp. Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Crawford Radio, The 1.
- Electro Sonic Supply Co. Ltd. 1.
- Finkler Ltd., Len 1.
- Gould Sales Co., E. S. 1.
- Payette Radio Ltd. 1.
- Pointon Ltd., Charles W. 1.
- Radio Trade Supply Ltd. 1.
- Sauerelsen Cements Co. 1.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

### Chambers, Ionization

|                            |   |
|----------------------------|---|
| Chambers, Ionization ..... | 1 |
|----------------------------|---|

- Atlas-Werke AG 1.
- Baldwin Industrial Controls 1.
- Conway Electronic Enterprises Reg'd 1.
- Crawford Associates, Allan 1.
- E.M.I.-Cossor Electronics Ltd. 1.
- Electrodesign 1.
- Electromechanical Products 1.
- Electronic Associates Ltd. (1).
- Found Bros. Aviation Ltd. (1).

- Glendon Instrument Co. Ltd., The 1.
- Landsverk Electrometer Co. 1.
- Measurement Engineering Ltd. (1).
- Mechron Engineering Products Ltd. 1.
- Nuclear-Chicago Corp. 1.
- Ohmart Corp., The 1.
- Philips Electronics Industries Ltd. (1).
- Plessey Co. of Canada Ltd. (1).
- Radionics Ltd. 1.
- Rogers Electronic Tubes & Components (1).
- Stark Electronic Sales Co. 1.

### Changers, Record

|                        |   |
|------------------------|---|
| Changers, Record ..... | 1 |
|------------------------|---|

- Collaro Ltd. 1.
- Glaser-Steers Corp. 1.
- Musimart of Canada Ltd. 1.

### Chassis, Metal

|                      |   |
|----------------------|---|
| Chassis, Metal ..... | 1 |
|----------------------|---|

- Addison Industries Ltd. (1).
- Alpha Aracon Radio Co. Ltd. 1.
- Barvic Engineering Ltd. (1).
- Bayly Engineering Ltd. (1).
- Beama Engineering Ltd. (1).
- Benco Television Associates Ltd. (1).
- Bern and Company Ltd., Lee 1.
- Bishop Sons & Co. Ltd. (1).
- Burgess, Norris 1.
- Canadian Aviation Electronics Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canavia Engineering & Sales Co. 1.
- Chisholm Industries Ltd. (1).
- Churchill Lighting Corp. 1.
- Crawford Radio, The 1.
- Dominion Aluminum Fabricating Ltd. (1).
- E.M.I. Electronics Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- "El-Mech" (1).
- Engineered Sound Systems Ltd. (1).
- Erwood Inc. 1.
- Found Bros. Aviation Ltd. (1).
- General Sound & Theatre Equipment Ltd. 1.
- Hammond Mfg. Co. Ltd. (1).
- Hamner Electronics Co., Inc. 1.
- IE Manufacturing 1.
- MEL Sales Ltd. 1.
- Mack Co. Ltd., R. 1.
- Measurement Engineering Ltd. (1).
- Mitchell Electronics, J. C. E. 1.
- Musimart of Canada, Ltd. 1.
- P.B.R. Manufacturing Co. 1.
- Payette Radio Ltd. 1.
- Pioneer Industries Inc. 1.
- Premier Metal Products Co. 1.
- RCA Victor Co. Ltd. (1).
- Racial Engineering Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Raytheon Canada Ltd. (1).
- Rutherford Agencies 1.
- St. Johns Metal Stamping Co. Ltd. (1).
- Smith Co. Ltd., W. M. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. (1).
- Standard Television Products Ltd. (1).
- T.M.C. (Canada) Ltd. (1).
- Tenatronics Ltd. 1.
- United Aircraft Products, Inc. 1.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Whiteley Electrical Radio Co. Ltd. 1.
- Whittaker, E. E. 1.
- Wholesale Radio & Electronics Ltd. 1.

### Chassis Slides

|                      |   |
|----------------------|---|
| Chassis Slides ..... | 1 |
|----------------------|---|

- Airfite Components Co. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Bishop Sons & Co. Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canavia Engineering & Sales Co. 1.
- Chisholm Industries Ltd. (1).
- Crawford Radio, The 1.
- Dayrand Ltd. 1.
- Eider Electronics 1.
- Electrodesign 1.
- Electro Sonic Supply Co. Ltd. 1.

- General Communications Ltd. 1.
- Grant Pulley & Hardware Corp. 1.
- Hammond Mfg. Co. Ltd. (1).
- Measurement Engineering Ltd. (1).
- Mitchell Electronics, J. C. E. 1.
- Payette Radio Ltd. 1.
- Pioneer Industries Inc. 1.
- Racial Engineering Ltd. 1.
- Radio Frequency Laboratories, Inc. 1.
- Radio Trade Supply Ltd. 1.
- Smith Co. Ltd., W. H. 1.
- T.M.C. (Canada) Ltd. (1).
- Tenatronics Ltd. 1.
- Thomas Co., K. M. (1).
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Whittaker, E. E. 1.

### Chemicals

|                      |   |
|----------------------|---|
| Electronic .....     | 1 |
| Electroplating ..... | 2 |
| Etching .....        | 3 |
| Luminescent .....    | 4 |
| Tube .....           | 5 |

- Active Radio & TV Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1-2-4.
- Baker Chemical Co., J. T. 1-3.
- Bern and Company Ltd., Lee 1.
- Canadian Electronics Ltd. 1-3.
- Canadian Industries Ltd. (3).
- Crawford Radio, The 1.
- Du Pont of Canada Ltd. 2.
- E.M.I. Electronics Ltd. 4.
- Electro Sonic Supply Co. Ltd. 1-3.
- Engelhard Industries of Canada Ltd. (2).
- Finkler Ltd., Len 1.
- Fisher Scientific Co. Ltd. (1)-(2)-(3)-(4)-(5).
- General Cement Mfg. Co. — Div. of Textron Inc. 1.
- Hunt Co. (Canada) Ltd., Philip A. 3.
- Johnson Matthey & Mallory Ltd. (2).
- MacQuarrie Sales, J. J. 1.
- Miller Mfg. Co., M. A. 1.
- Mitchell Electronics, J. C. E. 1.
- Payette Radio Ltd. 1-3.
- Pointon Ltd., Charles W. 1.
- Radell Ltd. 4-5.
- Radionics Ltd. 4.
- Radio Trade Supply Ltd. 1-3.
- St. Lawrence Chemical Co. Ltd. 1-5.
- Smyth Electronic Components Ltd. 2-3.
- Superex Electronics Corp. 1.
- Teletquipment Mfg. Co. Ltd. 1.
- United States Radium Corp. 4.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1-3.
- Wholesale Radio & Electronics Ltd. 1-5.

### Choppers, DC-AC

|                       |   |
|-----------------------|---|
| Choppers, DC-AC ..... | 1 |
|-----------------------|---|

- Airpax Electronics Inc. 1.
- ARVA Inc. (1).
- Aviation Electric Pacific Ltd. 1.
- Baird-Atomic, Inc. 1.
- Barber-Colman of Canada Ltd. (1).
- Bristol Co. of Canada Ltd., The 1.
- Canadian Applied Research Ltd. 1.
- Constellation Components Co. 1.
- Conway Electronic Enterprises Reg'd 1.
- Curtiss Wright Corp. — Electronics Div. 1.
- Desser E-E Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Eteico Canada Ltd. 1.
- Ferrotran Electronics Co., Inc. 1.
- Herring & Co. Ltd., John 1.
- Honeywell Controls Ltd. (1).
- Hoover Electronics Co. 1.
- Kidde & Co. of Canada Ltd., Walter (1).
- Leonard Electric Ltd. 1.
- Microwave Systems 1.
- Simmonds & Sons Ltd., A. C. (1).
- Southwestern Industrial Electronics Co. 1.
- Tecneek Associates 1.
- Teletquipment Mfg. Co. Ltd. 1.
- Tinsley Instruments (Canada) Ltd. (1).
- Vector Labs. Inc. (1).

### Chronoscopes

|                    |   |
|--------------------|---|
| Chronoscopes ..... | 1 |
|--------------------|---|

- Bepco Canada Ltd. (1).
- Electronic Associates Ltd. (1).
- Ellis Industries, The J. W. 1.
- Rank Cintel Ltd. 1.

### Circuits

|               |   |
|---------------|---|
| Plug-in ..... | 1 |
| Potted .....  | 2 |
| Printed ..... | 3 |

- Accurate Electronics Corp. 3.
- Aerovox Canada Ltd. 3.
- Alpha Aracon Radio Co. Ltd. 1-3.
- Andersen & Co. Ltd., A. A. 3.
- Associated Electronic Components Ltd. 1-3.
- Autotronics Control (1).
- Ball Associates, C. A. (3).
- Bendix Aviation, Computer Div. 3.
- Brady Co. of Canada Ltd., W. H. (3).
- Burgess, Norris 3.
- Burr-Brown Research Corp. 1-3.
- Burroughs Corp., ElectroData Div. 1.
- C.G. Electronics Corp. 1-2-3.
- Cambridge Thermionic of Canada, Ltd. (3).
- Canadian Aviation Electronics Ltd. (1)-(2)-(3).
- Canadian Electrical Supply Co. Ltd. 3.
- Canadian Electronics Ltd. 3.
- Canadian Pratt and Whitney Aircraft Co. Ltd. 3.
- Centralab Canada Ltd. (3).
- Centralab Div. of Globe Union Inc. 1-3.
- Central Dynamics Ltd. (1)-(2).
- Cinch Manufacturing Co. 3.
- Croname (Canada) Ltd. (3).
- Dale Products, Inc. 1-2-3.
- Desser E-E Ltd. 3.
- E.M.I.-Cossor Electronics Ltd. 3.
- Electroalab Printed Electronics Corp. 1-2-3.
- Electromechanical Products 1-3.
- Electronic Associates Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1-2-3.
- Enfo Inc. 3.
- Erie Resistor Corp. 1-3.
- Ferranti Packard Electric Ltd. (1)-(3).
- Ferrotran Electronics Co., Inc. 1-2.
- Garde Manufacturing Co. 3.
- Garrett Mfg. Corp. of Canada, Ltd., The (1)-(2).
- Hackbusch Electronics Ltd. 3.
- Heenan Ltd., P. J. 3.
- Herring & Co. Ltd. 1-2-3.
- Hummel, William M. 2.
- Jeffers Electronics Div. 1.
- Kelk Ltd., George (1)-(2)-(3).
- Lake Engineering Co. Ltd. 3.
- Lifton Industries, U.S. Engineering Co. Div. 3.
- Lomas, E. G. 1.
- Lucas-Rotax Ltd. (2).
- MEL Sales Ltd. 3.
- Methode Mfg. Corp. 3.
- Micarta Fabricators Ltd. (1)-(2)-(3).
- Microwave Systems 1.
- Murphy Radio Ltd. 1-2-3.
- Norrick Plastics Corp., Div. Norrick Screw Machine Products 2.
- Okl & Willadsen Ltd. (1)-(2)-(3).
- Onondaga Pottery Co., Electronics Div. 1-2-3.
- Philbrick Researches, Inc., George A. 1-3.
- Polyphase Instrument Co. 2.
- Polytronics Co. (3).
- Precision Dials Ltd. (3).
- RCA Victor Co. Ltd. (1)-(2)-(3).
- Radiation, Inc. 3.
- Radionics Ltd. 1.
- Radio Trade Supply Ltd. 1-3.
- Randall (Canada) Ltd., Douglas (1)-(2).
- Rank Cintel Ltd. 3.
- Rogers Electronic Tubes & Components (1)-(2)-(3).
- Servomechanisms (Canada) Ltd. (1).
- Shambam & Co., W. S. 3.
- Spaulding Fibre of Canada Ltd. (3).
- Sperry Gyroscope of Canada Ltd. (2)-(3).
- Sprague International Ltd. 3.
- Standard Telephones & Cable Mfg. Co. (Canada) Ltd. (3).
- Telegraph Condenser Co. Ltd. 3.
- Telex, Inc. 1-2-3.
- Tempo Instrument Inc. 2.

- Thompson Ltd., Chas. L. 3.
- Titania Electric Corp. of Canada Ltd. 1-2-3.
- United-Carr Fastener Co. of Canada Ltd. (1)-(2)-(3).
- Varah Ltd., L. A. 1-3.
- Venner Electronics Ltd. 1-2.
- Waterloo Electronics Supply Co. Ltd. 3.
- Westbury Electronics, Inc. 2.
- Western Agencies Ltd. 3.
- Whiteley Electrical Radio Co. Ltd. 2-3.
- White Radio Ltd. 3.
- Wholesale Radio & Electronics Ltd. 3.
- Willard Spenser Co. 1-2.

## Cleaners, Ultrasonic

- Cleaners, Ultrasonic ..... 1
- American Time Products, Inc. 1.
- Aviation Electric Pacific Ltd. 1.
- Bendix Aviation Corp., Bendix-Pacific Div. 1.
- Blackstone Corp. 1.
- Branson Instruments, Inc. and Branson Ultrasonic Corp. 1.
- Canadian Electronics Ltd. 1.
- Cohen Ltd., William 1.
- Conway Electronic Enterprises Reg'd 1.
- Deskin Sales Co., A. 1.
- E.M.I.-Cossor Electronics Ltd. 1.
- Elder Electronics 1.
- Electrodesign 1.
- Electrolabs 1.
- Electromechanical Products 1.
- General Communications Ltd. 1.
- Harris Transducer Corp., Sub. of General Instrument Corp. 1.
- MEL Sales Ltd. 1.
- Measurement Engineering Ltd. 1.
- New Hermes Engraving Machine Corp. 1.
- Radionics Ltd. 1.
- Raytheon Canada Ltd. (1).
- Titania Electric Corp. of Canada Ltd. 1.
- TransSonic Ltd. (1).

## Clips

- Fuse ..... 1
- Grid ..... 2
- Test ..... 3
- Alpha Aracon Radio Co. Ltd. 1-2-3.
- Amatom Electronic Hardware Co. 1.
- Astral Electric Co. Ltd. 1.
- Atlas Radio Corp. Ltd. 3.
- Bern and Company Ltd., Lee 1-2-3.
- Bulgin & Co. Ltd., A. F. 1-2.
- Burgess, Norris 1.
- Cambridge Thermionic of Canada, Ltd. (3).
- Canadian Electrical Supply Co. Ltd. 1-2-3.
- Canadian Electronics Ltd. 1-2-3.
- Canadian Marconi Co., Electronic Tube & Components Div. 2.
- Connector Corp. 1.
- Cooper & Co. Ltd., W. H. 3.
- Crawford Radio, The 1-2-3.
- Daveco Agencies Ltd. 3.
- Desser E-E Ltd. 1.
- Eagle Electric Mfg. Co. Inc. 1.
- Electrodesign 3.
- Electronic Components Ltd. (1)-(3).
- Electro Sonic Supply Co. Ltd. 1-2-3.
- Englsh Electric Co. Ltd., The 1.
- Filler-Smith Machinery Co. Ltd. 1.
- Finkler Ltd., Len 3.
- General Cement Mfg. Co. — Div. of Textron Inc. 1-2.
- Gould Sales Co., E. S. 1-2.
- Gray Ltd., H. Roy 2-3.
- Grayhill, Inc. 3.
- Great Lakes Electrical Specialties Ltd. 1.
- Kulka Electric Corp. 1-2.
- Lake Engineering Co. Ltd. 3.
- Mueller Electric Co. 3.
- Payette Radio Ltd. 1-2-3.
- Pfeiffer Electronic Laboratories 1-2-3.
- Pitt Distributing Co. Ltd. 1.
- Radio Trade Supply Ltd. 1-2-3.
- Raytheon Canada Ltd. (1).
- Smith Ltd., Irving 1-2-3.
- Teletquipment Mfg. Co. Ltd. 2.
- United-Carr Fastener Co. of Canada Ltd. 1-2.
- Varah Ltd., L. A. 1-2-3.
- Verd-A-Ray Electric Products Ltd. 1.

- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1-2.
- Waterloo Electronics Supply Co. Ltd. 1-2-3.
- Western Agencies Ltd. 1-2-3.
- White Radio Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1-2-3.

## Cloths

- Speaker Grille ..... 1
- Woven Wire ..... 2
- Alpha Aracon Radio Co. Ltd. 1-2.
- Atlas Radio Corp. Ltd. 1.
- Barvic Engineering Ltd. 1-2.
- Bern and Company Ltd., Lee 1.
- Canadian Electrical Supply Co. Ltd. 1-2.
- Canadian Electronics Ltd. 1-2.
- Clark Ltd., Alex L. 1.
- Cohen Ltd., William 1.
- Crawford Radio, The 1.
- Electro Sonic Supply Co. Ltd. 1-2.
- Finkler Ltd., Len 1.
- General Cement Mfg. Co. — Div. of Textron Inc. 1-2.
- Gould Sales Co., E. S. 1.
- Kahnert Sales Ltd., R. C. 1.
- MacQuarrie Sales, J. J. 1.
- Metal Textile Corp., A Div. of General Cable Corp. 2.
- Payette Radio Ltd. 1.
- Peffer Sound Systems Ltd. 1.
- Pointen Ltd., Charles W. 1.
- Radio Trade Supply Ltd. 1.
- Varah Ltd., L. A. 1.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1-2.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1-2.

## Clutches, Magnetic

- Clutches, Magnetic ..... 1
- Actuator Products Corp. 1.
- Aeromotive Engineering Products Ltd. 1.
- Ahearn and Soper Co. Ltd. 1.
- Andrews & Associates, A. W. 1.
- Aviation Electric Ltd. (1).
- Beckman Instruments, Inc., Helipot Div. 1.
- Bendix Aviation Corp., Bendix-Pacific Div. 1.
- Bowmar Instrument Corp. 1.
- Canavia Engineering & Sales Co. 1.
- Constellation Components Co. 1.
- Electrodesign 1.
- Found Bros. Aviation Ltd. (1).
- French Sales Ltd., Phillip 1.
- Helipot Div. of Beckman Instruments Inc. (1).
- Leonard Electric Ltd. 1.
- Lucas-Rotax Ltd. (1).
- MEL Sales Ltd. 1.
- Magtrol, Inc. 1.
- Marsland Engineering Ltd. (1).
- R-O-R Associates Ltd. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Randall (Canada) Ltd., Douglas 1.
- Reeves Instrument Corp. 1.
- Servomechanisms (Canada) Ltd. 1.
- Smith Ltd., Irving 1.
- Technology Instrument Corp. 1.
- Tecneek Associates 1.
- Vickers Inc., Electric Products Div. 1.
- Whittaker, E. E. 1.

## Coatings

- Conductive ..... 1
- Protective ..... 2
- Andersen & Co. Ltd., A. A. 1-2.
- Atmosphere Control Co. Inc. 2.
- Borden Chemical Co., A Div. of The Borden Co. 2.
- Crawford Radio, The 1-2.
- Dow Corning Silicones Ltd. (2).
- Electric Chain Co. of Canada Ltd., The (2).
- Electro Sonic Supply Co. Ltd. 1-2.
- Emerson & Cuming, Inc. 1-2.
- Foster & Sons Ltd., Anthony 2.
- Garrett Mfg. Corp. of Canada, Ltd., The 1.
- Grafo Colloids Corp. 1.
- Hammond Mfg. Co. Ltd. (2).
- Howard & Co. Ltd., M. J. 1-2.
- Hummel, William M. 1-2.
- Long Sault Woodcraft Ltd. (2).
- Magnachem Ltd. 2.

- Minnesota Mining & Mfg. of Canada Ltd. (2).
- Morningstar-Paisley, Inc. 2.
- Murphy Radio Ltd. 2.
- Norrlich Plastics Corp., Div. Norrich Screw Machine Products 1-2.
- Polypenco, Inc. 2.
- Radio Trade Supply Ltd. 1-2.
- Railway & Power Engineering Corp. Ltd. 2.
- Raybestos-Manhattan, Inc. 2.
- Ross & Sons Ltd., Frank R. 2.
- Sauerelsen Cements Co. 2.
- Sonneborn Ltd. (2).
- Titania Electric Corp. of Canada Ltd. 2.
- Waldom Electronics Inc. 2.
- Wholesale Radio & Electronics Ltd. 2.

## Coils

- Antenna ..... 1
- Choke ..... 2
- Deflection ..... 3
- Filter Choke ..... 4
- Flyback ..... 5
- Foil Wound ..... 6
- Magnet ..... 7
- Metallized Glass ..... 8
- Motor and Generator Field ..... 9
- Printed Circuit ..... 10
- Relay ..... 11
- R-F Choke ..... 12
- R-F Choke, Heavywire ..... 13
- R-F Receiving ..... 14
- Solenoid ..... 15
- Speaker (Voice Coil) ..... 16
- Television Focusing ..... 17
- Television Width Control ..... 18
- Toroidal ..... 19
- Variable ..... 20
- Acromag, Inc. 19.
- Ahearn and Soper Co. Ltd. 12.
- Airpax Electronics Inc. 2-4-19.
- Aladdin Electronics 2-12-19.
- Allied Control Company, Inc. 7-11-15.
- Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-7-11-12-13-14-15-17-18-19-20.
- American Superior Electric Co., Ltd. (19)-20.
- Amos of Exeter Ltd. 2-4-15.
- Armstrong Ltd., A. T. R. (1)-(2)-(4)-(6)-(10)-(12)-(13)-(14)-(18)-(19).
- Arnold Magnetics Corp. 4-10-19.
- Associated Electronic Components Ltd. 1-2-3-4-5-11-12-14-15-17-20.
- Astral Electric Co. Ltd. 4-12-13.
- Atlas Radio Corp. Ltd. 1-2-3-4-12-13-14-15-20.
- Automatic Coil Mfg. Co. (1)-(2)-(3)-(5)-(12)-(14)-(18).
- Automatic Coil Co. Inc. 1-2-7-10-11-12-13-14-15-18-20.
- Avtek Systems Engineering Ltd. (1)-(14).
- Bayly Engineering Ltd. (19).
- Bern and Company Ltd., Lee 1-2-3-4-5-17-18-20.
- Bradford Components, Inc. 2-4-12-13.
- Burnell & Co., Inc. 19-20.
- C.G. Electronics Corp. 10-19.
- Cambridge Thermionic of Canada, Ltd. (1)-(2)-(12).
- Canadian Electrical Supply Co. Ltd. 1-2-3-4-5-12-14-15-17-18.
- Canadian Electronics Ltd. 1-2-3-4-5-6-7-10-11-12-13-14.
- Canadian Marconi Co., Electronic Tube & Components Div. 2-12.
- Cohen Ltd., William 1-2-12.
- Coil Winders, Inc. 1-2-3-4-5-6-7-11-12-13-14-15-19-20.
- Connector Corp. 11.
- Constellation Components Co. 2.
- Control Electronics Co., Inc. 19.
- Conway Electronic Enterprises Reg'd 2-4-5-6-7-9-10-11-12-13-14-15-18-19.
- Crawford Radio, The 1-2-3-4-5-11-12-14-15-20.
- D & B Sound and Signals Inc. 2.
- A/S Danavox 2.
- Delevan Electronics Corp. 2-10-12-15-20.
- E.M.I.-Cossor Electronics Ltd. (1).
- E.M.I. Electronics Ltd. 17-18.
- Eastern Jewel Corp. 1.
- Electronic Controls Ltd. (2)-(4)-(7)-(15).
- Electro Sonic Supply Co. Ltd. 1-2-3-4-5-7-10-11-12-13-14-15-16-17-18-19-20.
- Ericsson Telephone Sales of Canada Ltd. (11).
- Erle Resistor Corp. 19.
- Essex Electronics of Canada Ltd. (1)-(2)-(6)-(10)-(12)-(19).

- Etelco Canada Ltd. 11.
- Ferrotron Electronics Co., Inc., 2-15-20.
- Frost (Canada) Ltd., L. H. (2)-(7)-(11)-(15).
- General Instrument — F. W. Sickles of Canada Ltd. (1)-(2)-(3)-(4)-(5)-(7)-(10)-(12)-(13)-(14)-(15)-(17)-(18)-(19)-(20).
- Glendon Co. Ltd., The 2-3-4-5.
- Gomard Electronics Ltd. (3)-(4)-(5)-(6).
- Goodmans Industries Ltd. 16.
- Gould Sales Co., E. S. 10-12.
- Gray Ltd., H. Roy 2-12.
- Hackbusch Electronics Ltd. 2-3-4-5-12-19.
- Hammond Mfg. Co. Ltd. (7)-(12)-(15)-(19).
- Hart Mfg. Co., The 11.
- Herring & Co. Ltd., John 10-11-15.
- Howard & Co. Ltd., M. J. 12.
- IRC Resistors, Div. of Renfrew Electric Co. Ltd. (12).
- Industrial & Institutional Communications Ltd. 15.
- JFD Electronics Corp. 8-20.
- Jeffers Electronics Div., Speer Carbon Co. 2-12-15.
- Jensen Speakers, Div. of Renfrew Electric Co. Ltd. (2)-(4)-(11)-(12)-(16).
- Johnson Co., E. F. 1-2-12-20.
- Kahnert Sales Ltd., R. C. 3-5-17-18-19.
- Kelvin Electric Co. 2-4-10-19.
- Kidde & Co. of Canada Ltd., Walter (19).
- Lake Engineering Co. Ltd. 1-2-6-8-10-11-12-13-14-15-18-19-20.
- Lenkurt Electric Co. of Canada Ltd. (19).
- Litton Industries, U.S. Engineering Co. Div. 10.
- Lomas, E. G. 1-2-3-4-7-10-11-12-13-14-15-19-20.
- Lucas-Rotax Ltd. (7)-(9)-(11)-(15)-(19).
- Mack Co. Ltd., R. 1-19.
- MacQuarrie Sales, J. J. 19.
- Magnetic Coil Co. (7)-(11)-(15).
- Maurey Instrument Corp. 19.
- McIntyre Agencies 1-2-4-12-13-15-19.
- Measurement Engineering Ltd. 15-19.
- Merritt Co., Ron 1-2-3-4-5-12-13-14-17-18-20.
- Mitchell Electronics, J. C. E. 1-2-4-12-14-15-18.
- Muirhead Instruments Ltd. (3).
- Murphy Radio Ltd. 1-2-3-4-5-10-12-13-14-17-18-19-20.
- National Radio Co. Inc. 2-4-19.
- National Sound Services Ltd. 19.
- New York Coil Co. 2-4-7-11-12-13-14-15-16.
- North Hills Electric Co., Inc. 1-2-10-12-13-14-19-20.
- Ohmrite Mfg. Co. 2-12-13.
- Oki & Willadsen Ltd. (10).
- Osborne Electric Co. Ltd. (2)-(4)-(7)-(9)-(11)-(13)-(15)-(17)-(19)-(20).
- Painton & Co. Ltd. 12.
- Partridge Transformers Ltd. 2-4.
- Payette Radio Ltd. 1-2-3-4-5.
- Pfeiffer Electronic Laboratories 12.
- Phillips Control Corp. 7-11-15.
- Pickering and Co., Inc. 7-15.
- Plessey Co. of Can. Ltd. (1)-(2)-(3)-(4)-(5)-(7)-(10)-(11)-(12)-(13)-(14)-(15)-(16)-(17)-(18)-(19)-(20).
- Pointon Ltd., Charles W. 1-2-3-4-5-6-7-12-13-14-17-18.
- Polyphase Instrument Co. 19.
- Polytronics Co. (10).
- RCA Victor Co. Ltd. (1)-(2)-(4)-(5)-(7)-(12)-(13)-(14)-(15)-(16)-(17)-(18)-(19)-(20).
- Radio Trade Supply Ltd. 1-2-3-4-5-7-11-12-13-14-15-16-17-18-19-20.
- Ram Electronics, Inc. 1-2-3-4-5-10-12-18.
- Randall (Canada) Ltd., Douglas (2)-(4)-(6)-(7)-(10)-(11)-(15)-(19).
- Raypar, Inc. 1-2-3-4-5-7-12-13-14-15-18-19.
- Robinson Co., C. M. 1-2-3-4-5-10-12-17-18.
- Rogers Electronic Tubes & Components 2-(3)-(4)-(5)-(12)-(19)-(20).
- Rank Cintel Ltd. 3-17.
- Sealelectric Switch & Relay Corp. 11.
- Servomechanisms (Canada) Ltd. 19.
- Shamban & Co., W. S. 10.
- Sheppard, R. D. B. 7.
- Siemens Edison Swan (Canada) Ltd. 11.
- Sinclair Radio Labs. Ltd. (1).
- Smallwood Ltd., S. G. (1)-(2)-(5)-(10)-(12)-(13)-(14)-(15)-(18)-(20).

- Southwestern Industrial Electronics Co. 19.
- Sperry Gyroscope Co. of Canada Ltd. (19).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. (2)-(4)-(11)-(19).
- Standard Television Products Ltd. (2)-(4)-(7)-(11)-(15)-(19).
- Stanwyck Coil Products Ltd. (1)-(2)-(7)-(10)-(12)-(13)-(14)-(18).
- Stratton & Co. Ltd. 12.
- Superelex Electronics Corp. 1-2-10-12-13-14-18-20.
- T.M.C. (Canada) Ltd. (1)-(4)-(19).
- Telephone Mfg. Co. Ltd. 4-11-19.
- Telegquipment Mfg. Co. Ltd. 2-3-5-18.
- Telex, Inc. 2-10-19.
- Tenatronics Ltd. 1-12.
- Thompson Ltd., Chas. L. 11.
- Tilton Ltd., John R. 1-2-12-14-19-20.
- Triad Transformer Corp. 2-4-17-19.
- United-Carr Fastener Co. of Canada Ltd. (10).
- University Loudspeakers, Inc. 16.
- Varah Ltd., L. A. 1-2-4-11-12-13-14-15.
- Vari-L. Co., Inc. 19-20.
- Waldom Electronics Inc. 16.
- Waterloo Electronics Supply Co. Ltd. 1-2-3-4-5-7-10-11-12-13-14-15-17-18-20.
- Westbury Electronics (Canada) Ltd. 1-12-15-19.
- Westbury Electronics, Inc. 2-4-11-19.
- Western Agencies Ltd. 1-2-3-4-5-6-10-11-12-14-15-16-17-18-19-20.
- Whiteley Electrical Radio Co. Ltd. 2-3-4-12-14-16-18-19.
- Whittaker, E. E. 11.
- Wholesale Radio & Electronics Ltd. 1-2-3-4-5-7-10-11-12-14-15-16-17-18-19.
- Wind Turbine Co. of Canada Ltd., The (1)-(2)-(13).

## Colorimeters

### Colorimeters ..... 1

- Beckman Instruments Inc. (1).
- Bepco Canada Ltd. (1).
- Canadian Research Institute (1).
- Conway Electronic Enterprises Reg'd 1.
- Daystrom, Ltd. 1.
- Electrodesign 1.
- Electrolabs 1.
- Ellis Industries, The J. W. 1.
- Evans Electro Selenium Ltd. 1.
- Fisher Scientific Co. Ltd. (1).
- Glendon Instrument Co. Ltd., The 1.
- Honeywell Controls Ltd. (1).
- Research Instrumentation Ltd. (1).
- Tecneek Associates 1.
- Thermovolt Instruments Ltd. 1.
- Varian Associates of Canada Ltd. 1.

## Communication Systems

- Aircraft ..... 1
- Airport Traffic Control ..... 2
- Facsimile ..... 3
- Induction ..... 4
- Marine Radio-Telephone ..... 5
- Microwave ..... 6
- Multiplex Wireline and Radio ..... 7
- Portable Installation ..... 8
- Railroad ..... 9
- Single Sideband ..... 10
- Teletyped ..... 11
- Twinplex ..... 12
- Vehicular ..... 13

- Aeronautical Electronics, Inc. 5-9-13.
- Ahearn and Soper Co. Ltd. 2-3-5-7-8-10-11-12-13.
- Airpax Electronics Inc. 8.
- Amalgamated Electric Corp. Ltd. (7)-(9)-(10).
- Amplivox (Canada) Ltd. (1)-(2).
- Amplivox Exports Ltd. 8.
- Automatic Electric Sales (Canada) Ltd. 6-9-11.
- Automatic Electric (Canada) Ltd. (9).
- Automatic Electric International, Inc. 9.
- Aviation Electric Ltd. 1-5.
- Aviation Electric Pacific Ltd. 1-8-9.
- Avtek Systems Engineering Ltd. (1)-(8)-(10).
- Barvic Engineering Ltd. 5-13.
- Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (1)-(2)-(6)-(8)-(10)-(13).

- Beama Engineering Ltd. (7).
- Beatty Bros. Ltd. (8).
- Belanger, Omer 8.
- Benco Television Associates Ltd. (6).
- Bendix Aviation Corp., Bendix-Pacific Div. 5.
- Blunt Ltd., L. G. 6.
- Bogen-Presto Co. 7-8.
- Brown Boveri (Canada) Ltd. (6)-(7).
- Buckland Co., Robert J. 5-10.
- Budelman Electronics Corp. 6-7.
- C. G. Electronics Corp. 6.
- Canadian Electronics Ltd. 5-6-8-10-13.
- Canadian Line Materials (2).
- Canadian Marconi Co. (1)-(5)-(10)-(13).
- Centronix Inc. 1-5-6-8.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. (2)-(3)-(5)-(6)-(7)-(8)-(9)-(13).
- Canadian Motorola Electronics Ltd. (6)-(7)-(8)-(9)-(10)-(13).
- Canadian Westinghouse Co. Ltd. (6)-(7).
- Chisholm Industries Ltd. (5).
- Collins Radio Co. of Canada Ltd. (1)-(2)-(5)-(6)-(7)-(8)-(9)-(10)-(13).
- Computing Devices of Canada Ltd. 1-9.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9-10-11-12-13.
- Crawford Radio, The 10.
- Creed & Co. Ltd. 3-11.
- Daystrom, Ltd. 5-10.
- Decca Radar (Canada) Ltd. 3-6.
- Diamond Power Specialty Corp., Electronics Div. 2.
- Domac Technical Sales Ltd. 7-12.
- E.M.I.-Cossor Electronics Ltd. (1)-(2)-(5)-(8)-(13).
- Electrodesign 11.
- Electrolabs 13.
- Electronic Materiels International Ltd. (1)-(2)-(13).
- Electronic Research & Development Co. Ltd. 7-10-(13).
- Electro Sonic Supply Co. Ltd. 10-13.
- Ellis Industries, The J. W. 5.
- Engineered Sound Systems Ltd. 5-13.
- Ericsson Telephone Sales of Canada Ltd. (2)-(6)-(10).
- Foster & Sons Ltd., Anthony 1.
- Geertz & Holm Canada Ltd. 1.
- General Precision Laboratory Inc. 2.
- General Sound & Theatre Equipment Ltd. 2-9.
- Hackbusch Electronics Ltd. 7.
- Hart Electronics Ltd. 1-5-8-9-10-13.
- Instronics Ltd. 2-7-9-10-13.
- Instrument Laboratories 8.
- International Systems Ltd. (5)-(10)-(13).
- Johnson Co., E. F. 10-13.
- Kaar Engineering Corp. 1-2-5-13.
- Lenkurt Electric Co. of Canada Ltd. (6)-(7)-(9)-(10)-(13).
- Lynch Carrier Systems Inc. 7.
- MEL Sales Ltd. 6.
- Manson Laboratories, Inc. 6.
- Marconi's Wireless Telegraph Co. Ltd. 1-2-3-5-8-10-11-13.
- Measurement Engineering Ltd. (2)-(5)-(8).
- Microwave Systems 2-6-7-9-11.
- Moore Associates, Inc. 7-9-11.
- Muirhead Instruments Ltd. 1-3-8.
- Muirhead & Co. Ltd. 3.
- Multi-Products Co. 5.
- Multitone of Canada Ltd. (4).
- Multitone Electric Co. Ltd. 4-8-13.
- Murphy Radio Ltd. 1-2-5-8-13.
- National Sound Services Ltd. (8)-(9).
- Northern Electric Co. Ltd. (6)-11.
- Northern Radio Co., Inc. 3-7-9-11-12.
- Northern Radio Mfg. Co. Ltd. (3)-(7)-(11)-(12).
- Pacific Communications Services Ltd. 6-7-9-9-10-13.
- Peacock Brothers Ltd. 11.
- Philo Corp. of Canada Ltd. 6.
- Phillips Electronics Industries Ltd. (2)-5-6-(7)-(8)-(9)-(10)-(13).
- Plessey Co. of Canada Ltd. (1)-(2)-(3)-(8)-(10)-(11)-(13).
- Prince and Roberts 9.
- RCA Victor Co. Ltd. (1)-(5)-(7)-(10)-(13).
- Racal Engineering Ltd. 10-12.
- Radiation, Inc. 6.
- Radio Engineering Products (7).
- Radionics Ltd. 6-10.
- Radio Specialty Mfg. Co. 8.
- Railway & Power Engineering Corp. Ltd. 1.

- Raytheon Canada Ltd. (5)-(6)-(8).
- Redifon Canada, A Div. of Redifusion, Inc. 2-5-7-8-10-11-12-13.
- Redifon Ltd. 2-5-7-8-10-12-13.
- Research Instrumentation Ltd. (5)-(8).
- Sarkes Tarzian, Inc. 6.
- Servo Corp. of America 2.
- Siemens Edison Swan (Canada) Ltd. 5.
- Sierra Electronic Corp. 6.
- Simpson Mfg. Inc., Mark 1.
- Sinclair Radio Labs. Ltd. (1)-(6)-(9)-(13).
- Sonar Radio Corp. 5.
- Southwestern Industrial Electronics Co. 11.
- Spillsbury & Tindall Ltd. (2)-(5)-(8)-(13).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 3-5-6-7-9-10-11-12-13.
- T.M.C. (Canada) Ltd. (2)-(3)-(5)-(7)-(8)-(10)-(11)-(13).
- Talk-A-Phone Co. 8.
- Telerad Mfg. Corp. 6.
- Tele-Radio Systems Ltd. 1-2-5-6-7-8-9-10-11-13.
- Texas Instruments Incorporated 1.
- Thermionic Products (Electronics) Ltd. 2.
- Topping Electronics Ltd., F. V. (2)-(5).
- Volcaline Co. of America, Inc. 5-8.
- Whitley Electrical Radio Co. Ltd. 2-4.
- Willard Spenser Co. 1-3-4-5-6-7.

## Commutators, Switching

### Commutators, Switching .... 1

- Avionics Ltd. (1).
- Bendix Aviation Corp., Bendix-Pacific Div. 1.
- Cubic Corp. 1.
- Electro Instruments, Inc. 1.
- Electromechanical Products 1.
- Herring & Co. Ltd., John 1.
- MEL Sales Ltd. 1.
- Moore Associates, Inc. 1.
- Phillips Electronics Industries Ltd. (1).
- Plessey Co. of Canada Ltd. (1).
- Radiation, Inc. 1.
- Smith Ltd., Irving 1.
- Tech Laboratories, Inc. 1.
- United-Carr Fastener Co. of Canada Ltd. (1).
- Vector Labs. Inc. (1).

## Comparators

- Automatic Resistance ..... 1
- Capacitance ..... 2
- Dielectric ..... 3
- Inductance ..... 4
- Q ..... 5
- Voltage ..... 6

- Bach-Simpson Ltd. 2-5.
- Barnes Development Co. 1-2.
- Bayly Engineering Ltd. 5.
- Bergen Laboratories Inc. 6.
- Bliss Electronic Corp. 1-2.
- A/S Bruel & Kjaer 2-3-4.
- Canadian Research Institute (1)-(2)-(4)-(6).
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6.
- Daystrom, Ltd. 6.
- E.M.I.-Cossor Electronics Ltd. 1-2-4-5-6.
- Electro Instruments, Inc. 1-2-3-4-6.
- Electromechanical Products 1-2-6.
- Fielden Electronics Ltd. 2.
- Franklin Electronics Inc. 2.
- General Radio Co. 1-2-3-4-5.
- Hackbusch Electronics Ltd. 1-2-3-4-5-6.
- Herring & Co. Ltd., John 2.
- Industrial Instruments, Inc. 1-2-4-5-6.
- Industrial Test Equipment Co. 1-2-4.
- Instronics Ltd. 1-6.
- Kepco, Inc. 6.
- MEL Sales Ltd. 2-4.
- Merritt Co., Ron 1-2-4.
- Micarta Fabricators Ltd. (2).
- Moore Associates, Inc. 6.
- Non-Linear Systems Inc. 1-6.
- Optimized Devices, Inc. 1-2-6.
- Phillips Electronics Industries Ltd. (4).
- R-O-R Associates Ltd. 1-2-4-6.
- Radionics Ltd. 1-2-4.
- Smyth Electronic Components Ltd. 5.
- Tecneek Associates 1-2-4.

- Tinsley Instruments (Canada) Ltd. (8).
- Titania Electric Corp. of Canada Ltd. 2.
- Trio Laboratories, Inc. 6.

## Compasses, Electronic Gyro

### Compasses, Electronic Gyro 1

- Aviation Electric Ltd. 1.
- Aviation Electric Pacific Ltd. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Collins Radio Co. of Canada Ltd. (1).
- Ferranti Packard Electric Ltd. (1).
- Kelvin & Hughes Ltd. 1.
- RCA Victor Co. Ltd. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Randall (Canada) Ltd., Douglas 1.
- Sperry Gyroscope Co. of Canada Ltd. (1).

## Compounds

### Cleaning ..... 1 Potting ..... 2

- Atlas Radio Corp. Ltd. 1.
- Aviation Electric Ltd. 1.
- Aviation Electric Pacific Ltd. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Dow Corning Silicones Co. Ltd. (2).
- Electro Sonic Supply Co. Ltd. 1-2.
- Emerson & Cuming, Inc. 1-2.
- General Communications Ltd. 1.
- Gould Sales Co. E. S. 1.
- Howard & Co. Ltd., M. J. 2.
- Hummel, William M. 2.
- Lomas, E. G. 2.
- Minnesota Mining & Mfg. of Canada Ltd. (2).
- Norrlich Plastics Corp., Div. Norrich Screw Machine Products 2.
- Painton & Co. Ltd. 1.
- Radio Trade Supply Ltd. 1-2.
- Sauerlesen Cements Co. 2.
- Smith Ltd., Irving 1.
- Sonneborn Ltd. (1).
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.

## Computers

### Analog ..... 1 Digital ..... 2

- Advanced Electronics Mfg. Corp. 2.
- Airmec Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Aviation Electric Ltd. 1-2.
- Beckman Instruments Inc. (1)-(2).
- Beckman/Berkeley Div. 1.
- Bendix Aviation, Computer Div. 2.
- Bepco Canada Ltd. (1).
- Bowmar Instrument Corp. 2.
- Bristol Co. of Canada Ltd., The (1).
- Burr-Brown Research Corp. 1.
- Burroughs Adding Machine Co. of Canada Ltd. (2).
- Burroughs Adding Machine of Canada Ltd., Computer Systems Div. (2).
- Burroughs Corp., ElectroData Div. 2.
- Canadian Applied Research Ltd. (1).
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1-2.
- Canadian Marconi Co. (2).
- Canadian Pratt and Whitney Aircraft Co. Ltd. 2.
- Canadian Research Institute (1)-(2).
- Canadian Westinghouse Co. Ltd. (1)-(2).
- Centronix Inc. 1-2.
- Computing Devices of Canada Ltd. (1)-(2).
- Conway Electronic Enterprises Reg'd 1-2.
- Curtiss Wright Corp. — Electronics Div. 1-2.
- Daystrom, Ltd. 1-2.
- Daystrom Instrument, Div. of Daystrom, Inc. 1-2.
- Di/An Controls, Inc. 2.
- E.M.I.-Cossor Electronics Ltd. (1)-(2).
- E.M.I. Electronics Ltd. 1-2.
- Electro Instruments, Inc. 2.



English Electric Co. Ltd., The 1-2.  
 Epsco, Inc. 2.  
 Evershed-Powertronic Ltd. (1).  
 Evershed and Vignoles Ltd. 1.  
 Feedback Controls, Inc. 1.  
 Ferranti Packard Electric Ltd. (1)-(2).  
 Garrett Mfg. Corp. of Canada, Ltd., The (1).  
 General Communications Ltd. 1-2.  
 Gilmore Industries, Inc. 1-2.  
 Hermes Electronics Co. (New name for Hycon-Eastern Inc.) 2.  
 Higginson Equipment Sales Ltd. 2.  
 Honeywell Controls Ltd. (1)-(2).  
 Intronics Ltd. 1-2.  
 International Business Machines Co. Ltd. (2).  
 International Computers & Tabulators Ltd. 2.  
 Librascope, Inc. 1-2.  
 Philbrick Researchers, Inc., George A. 1.  
 Philco Corp. of Canada Ltd. 2.  
 R-O-R Associates Ltd. 1.  
 Radiation, Inc. 1-2.  
 Randall (Canada) Ltd., Douglas 1.  
 Reeves Instrument Corp. 1.  
 Sangamo Electric Co. 1-2.  
 Servomechanisms (Canada) Ltd. (1).  
 Siemens Edison Swan (Canada) Ltd. 1-2.  
 Southwestern Industrial Electronics Co. 1-2.  
 Sperry Gyroscope Co. of Canada Ltd. (1)-(2).  
 Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 2.  
 Tempo Instrument Inc. 2.

## Cones, Speaker

Cones, Speaker ..... 1

Altec Lansing Corp. 1.  
 Atlas Radio Corp. Ltd. 1.  
 Barvic Engineering Ltd. 1.  
 Belanger, Omer 1.  
 Bern and Company Ltd., Lee 1.  
 D & B Sound and Signals Inc. 1.  
 E.M.I.-Cossor Electronics Ltd. 1.  
 Electro Sonic Supply Co. Ltd. 1.  
 Goodmans Industries Ltd. 1.  
 Plessey Co. of Canada Ltd. (1).  
 Radio Trade Supply Ltd. 1.  
 Tenatronics Ltd. 1.  
 Waldom Electronics Inc. 1.  
 Western Agencies Ltd. 1.  
 Whiteley Electrical Radio Co. Ltd. 1.

## Connectors

Anode ..... 1  
 Audio and Microphone ..... 2  
 Antennae ..... 3  
 Coaxial Cable ..... 4  
 Diode ..... 5  
 Hermetically Sealed and Pressurized ..... 6  
 Interlock ..... 7  
 Miniature ..... 8  
 Phone ..... 9  
 Power ..... 10  
 Printed Circuit ..... 11  
 R-F ..... 12  
 Solderless ..... 13  
 Subminiature ..... 14  
 Waterproof ..... 15

A.P.M. Corp. (Automatic & Precision Mfg. Corp.) 10.  
 Accurate Electronics Corp. 1-2-3-5-7-8-9-10-11-12-13-14.  
 Ahearn and Soper Co. Ltd. 7-11.  
 Aircom Inc. 12.  
 Aircraft-Marine Products of Canada, Ltd. (4)-(8)-(11)-(13).  
 Airfile Components Co. 5.  
 Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15.  
 American Electronics Co. 2-9-12.  
 Amphol Canada Ltd. (1)-(2)-(3)-(4)-(6)-(7)-(8)-(9)-(10)-(12)-(13)-(14)-(15).  
 Amphol-Borg Electronics Corp., Industrial Products - Danbury Knudsen Div. 4-12.  
 Andrew Antenna Corp. Ltd. (12).  
 Associated Electronic Components Ltd. 14.  
 Astral Electric Co. Ltd. 2-3-4-7-8-9-11-12-13-14-15.  
 Atlas Radio Corp. Ltd. 2-3-8-9-11-12-13-15.  
 Aviation Electric Ltd. 6-8-12-13-14-15.  
 Aviation Electric Pacific Ltd. 6-8-14-15.

Aviquipo of Canada Ltd. 8.  
 Barron, William T. 8-9.  
 Barvic Engineering Ltd. 2-3-4-13-14-15.  
 Bayly Engineering Ltd. (4).  
 Belling & Lee Ltd. 2-3-4-5-7-8-9-11-12-13-14-15.  
 Benco Television Associates Ltd. (4)-(12)-(13).  
 Bendix Aviation Corp., Scintilla Div. 3-4-6-8-10-13-14-15.  
 Bern and Company Ltd., Lee 1-2-3-4-8-9-10-13-14-15.  
 Birnbach Radio Co., Inc. 1-2-9-11-13.  
 Blonder-Tongue Laboratories, Inc. 4-12-13.  
 Boyd Ltd., Winnett 6-8-11.  
 Brian Engineering Ltd. 6-8-10-15.  
 Buckland Co., Robert J. 4.  
 Bulgin & Co. Ltd., A. F. 1-8-9-10.  
 Burgess, Norris 2-3-5-9.  
 Burndy Canada Ltd. (4)-(6)-(8)-(10)-(11)-(12)-(13)-(15).  
 Cambridge Thermionic of Canada, Ltd. (5)-(8)-(11)-(13).  
 Campbell Mfg. Co. Ltd. (2).  
 Canadian Electrical Supply Co. Ltd. 1-2-3-4-5-6-7-8-9-10-13-14-15.  
 Canadian Electronics Ltd. 1-2-3-4-8-9-10-11.  
 Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 3-4.  
 Cannon Electric Canada Ltd. (2)-(3)-(4)-(6)-(7)-(8)-(10)-(11)-(12)-(13)-(14)-(15).  
 Cinch Manufacturing Co. 1-2-3-8-9-10-11-13-14.  
 Cohen Ltd., William 1-2-4-9.  
 Collins Radio Co. of Canada Ltd. 2.  
 Connector Corp. 1-3-5-7-8-9-11.  
 Cords (Canada) Ltd. (1)-(7)-(9).  
 Consolidated Electronic Equipment Co. Ltd. (13).  
 Crawford Radio, The 1-2-3-4-5-8-9-10-12-13-14.  
 D & B Sound and Signals Inc. 2-13.  
 Dage Electric Company, Inc. 4-6-8-12.  
 A/S Danavox 4.  
 Dayrand Ltd. 3-4-12.  
 DeJur-Amsco Corp., Electronic Sales Div. 4-6-8-10-11-13-14-15.  
 Deskin Sales Co., A. 4-8-12-13.  
 Desser E-E Ltd. 12.  
 Deutsch Co., The 4-6-8-10-13-14-15.  
 Eagle Electric Mfg. Co. Inc. 7-10-13.  
 Elco Corp. 2-4-8-10-11-13-14.  
 Electrical Industries, Div. of Philips Electronics, Inc. 6.  
 Electrocraft, Inc. 2.  
 Electrodesign 13.  
 Electrolabs 7-8-9.  
 Electronic Materiels International Ltd. 2-3-9-10-14-15.  
 Electronic Components Ltd. (13).  
 Electro Sonic Supply Co. Ltd. 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15.  
 Enfo Inc. 8-11-14.  
 Engineered Sound Systems Ltd. 2.  
 Ethlin Co. Ltd., H. B. (13).  
 Flier-Smith Machinery Co. Ltd. 13.  
 Finkler Ltd., Len 2-4-9-12.  
 Garde Manufacturing Co. 11.  
 Gasaccumulator Co. (Canada) Ltd. 13.  
 Geertz & Holm Canada Ltd. 13.  
 General Cement Mfg. Co. - Div. of Textron Inc. 2-9-13.  
 General Radio Co. (Canadian Branch Office) (4).  
 General Radio Co. 4.  
 Glendon Co. Ltd., The 1-3-4-6-8-9.  
 Gorn Electronics Div. & Aircraft Controls Co. Div., Gorn Electric Co. Inc. 8-11-14.  
 Gray Ltd., H. Roy 1-12.  
 Hackbusch Electronics Ltd. 2.  
 Heenan Ltd., P. J. 11.  
 Hellermann (Canada) Ltd. (6)-(13).  
 Herring & Co. Ltd., John 8-14.  
 Howard & Co. Ltd., M. J. 2-3-4-6-8-10-11-12-13-14-15.  
 Hummel, William M. 2-3-8-9-11-14.  
 Isco of Canada Ltd. (13).  
 Industrial Electronic Hardware Mfg. Co. 1-3-7-9-11.  
 Jerrold Electronics (Canada) Ltd. (4)-(12)-(13).  
 Johnson Co., E. F. 13.  
 Joy Manufacturing Co. (Canada) Ltd. (4)-(10)-(15).  
 Kahert Sales Ltd., R. C. 2.  
 Kulka Electronic Corp. 7-10-11.  
 Lab-Tronics, Inc. 2-9.

Lake Engineering Co. Ltd. 2-4-5-6-8-14.  
 Liquidometer of Canada Ltd. (4)-(6)-(8).  
 Liquidometer Corp., The 4-6-8.  
 Lomas, E. G. 3-4-5-8-11-12-13-14.  
 Mack Co. Ltd., R. 8-9-13-14.  
 MacQuarrie Sales, J. J. 2-6-8-11-13-14-15.  
 Manis Associates Reg'd, Ben (4)-(12).  
 Marconi's Wireless Telegraph Co. Ltd. 4.  
 Merritt Co., Ron 4-8-12-13.  
 Methode Mfg. Corp. 6-8-11-13-14.  
 Mitchell Electronics, J. C. E. 1-4.  
 Mosley Electronics, Inc. 3-4-13.  
 Norrick Plastics Corp., Div. Norrick Screw Machine Products 2-3-9-11-14.  
 Nugent Electronics Co. 3-4-8-14.  
 Oki & Willadsen Ltd. 8-9-11-14.  
 Painton & Co. Ltd. 8-11.  
 Payette Radio Ltd. 2-3-4-8-9-12-13.  
 Pfeiffer Electronic Laboratories 4-8-9-11-13.  
 Phillips Electrical Co. Ltd. 4.  
 Pitt Distributing Co. Ltd. 8-13.  
 Plessey Co. of Canada Ltd. (2)-(3)-(4)-(5)-(6)-(7)-(8)-(9)-(10)-(11)-(12)-(13)-(14)-(15).  
 Powertronic Equipment Ltd. (10).  
 Quality Hermetics Ltd. (6).  
 Radio Engineering Products (15).  
 Radio Merchandise Sales, Inc. 3.  
 Radio Trade Supply Ltd. 1-2-3-4-5-7-8-9-10-11-12-13-14-15.  
 Railway & Power Engineering Corp. Ltd. 6-8-11-14-15.  
 Randall (Canada) Ltd., Douglas 8-13-14.  
 Raypar, Inc. 1.  
 Shamban & Co., W. S. 11.  
 SIDO Ltd. (2)-(3)-(8)-(13).  
 Siemens Edison Swan (Canada) Ltd. 1-2-5-7-8-11.  
 Simmonds Aerocrosses of Canada Ltd. 4-8-14.  
 Smith & Stone Ltd. (13).  
 Smith Ltd., Irving 4-13.  
 Smyth Electronic Components Ltd. 2.  
 Stark Electronic Sales Co. 4-6-7-11-12.  
 Superior Electric Co., The 10.  
 Switchcraft, Inc. 2-8-9.  
 Telegquipment Mfg. Co. Ltd. 4-13.  
 Tele-Radio Systems Ltd. 3-4-6-10.  
 Tenatronics Ltd. 1-3-4.  
 Thompson Ltd., Chas. L. 2-4.  
 Tilton Ltd., John R. 3-4-7-8-14.  
 Titania Electric Corp. of Canada Ltd. 8.  
 Trimm, Inc. 2-4.  
 United-Carr Fastener Co. of Canada Ltd. (1)-(2)-4-(9)-(10)-(11)-(13).  
 Varah Ltd., L. A. 2-3-4-8-9-10-11-12-13-14-15.  
 Waldom Electronics Inc. 1-7-9-13.  
 Walisco Electronics Mfg. Co. - Div. of Textron Inc. 2-9-13.  
 Waterloo Electronics Supply Co. Ltd. 1-2-3-4-5-7-8-9-10-12-13-14-15.  
 Watkins Co. Ltd., W. R. 7-8-13-14.  
 Westbury Electronics (Canada) Ltd. 4-12-13-14.  
 Westbury Electronics, Inc. 4-8-13.  
 Western Agencies Ltd. 1-2-3-4-5-7-8-9-10-11-12-13-14-15.  
 Whiteley Electrical Radio Co. Ltd. 1.  
 Whittaker, E. E. 2-4-6-7-8-10-11-13-14-15.  
 Wholesale Radio & Electronics Ltd. 1-2-3-4-5-7-8-9-10-12-13-14-15.  
 Winchester Electronics Inc. 4-5-6-8-10-11-13-14-15.

Brian Engineering Ltd. 1.  
 Brown Boveri (Canada) Ltd. (1).  
 Constellation Components Co. 1.  
 Davis Automatic Controls Ltd. 1.  
 Dewhurst & Partner Ltd. 1.  
 Electro Sonic Supply Co. Ltd. 1.  
 General Radio Co. (Canadian Branch Office) (1).  
 Johnson Co., E. F. 1.  
 Londex Ltd. 1.  
 Mechron Engineering Products Ltd. 1.  
 Plessey Co. of Canada Ltd. (1).  
 Radio Trade Supply Ltd. 1.  
 Railway & Power Engineering Corp. Ltd. 1.  
 Resistoflex Corp. 1.  
 Showalter, R. J. 1.  
 Simmonds & Sons Ltd., A. C. (1).  
 Tecneek Associates 1.  
 Varah Ltd., L. A. 1.  
 Ward Leonard of Canada Ltd. (1).  
 Zenith Electric Co. 1.

## Contacts, Electrical

Contacts, Electrical ..... 1

Alpha Aracon Radio Co. Ltd. 1.  
 American Superior Electric Co. Ltd. (1).  
 Burndy Canada Ltd. (1).  
 Cannon Electric Canada Ltd. (1).  
 Cords Canada Ltd. (1).  
 Electro Sonic Supply Co. Ltd. 1.  
 Engelhard Industries of Canada Ltd. (1).  
 Gasaccumulator Co. (Canada) Ltd. 1.  
 Glendon Co. Ltd., The 1.  
 Herring & Co. Ltd., John 1.  
 Johnson Matthey & Mallory Ltd. (1).  
 Pitt Distributing Co. Ltd. 1.  
 Railway & Power Engineering Corp. Ltd. 1.  
 Whittaker, E. E. 1.  
 Wholesale Radio & Electronics Ltd. 1.  
 Y. W. Small Parts Ltd. (1).

## Controls

Alarm System ..... 2

Counting and Sorting ..... 1  
 Dimension ..... 3  
 Electric DC Motor ..... 4  
 Electronic AC Motor Speed ..... 5  
 Frequency ..... 6  
 Humidity ..... 7  
 Illumination ..... 8  
 Inspection ..... 9  
 Photoelectric ..... 10  
 Printing ..... 11  
 Radio Remote ..... 12  
 Servo ..... 13  
 Smoke and Combustion - Electronic ..... 14  
 Sound System ..... 15  
 Specific Gravity ..... 16  
 Strain ..... 17  
 Thyatron ..... 18  
 Timing ..... 19  
 Traffic ..... 20  
 Vacuum ..... 21  
 Volume and Tone ..... 22  
 Weight ..... 23  
 Welding ..... 24

Aeromotive Engineering Products Ltd. (1)-(2)-(9)-(10)-(13)-(20)-(23).  
 Ahearn and Soper Co. Ltd. 1-4-5-6-12-19-20.  
 Aircraft Appliances & Equipment Ltd. 4-5-6-13.  
 Airfile Components Co. 19.  
 Airmec Ltd. 2-4-10-14.  
 Airpax Electronics Inc. 1-5-6-13-14.  
 Allen-Bradley Canada Ltd. (4)-(5)-(19).  
 Alpha Aracon Radio Co. Ltd. 2-8-10-12-22.  
 Amalgamated Electric Corp. Ltd. (4)-(5)-(20).  
 American Superior Electric Co. Ltd. (5)-(8)-(24).  
 Armstrong Ltd., A. T. R. (19).  
 ARVA Inc. (10)-(21).  
 Associated Electrical Industries (Canada) Ltd. (4)-(5)-(6)-(10)-(13)-(18)-(19)-(24).  
 Astral Electric Co., Ltd. 19.  
 Automatic Electric Sales (Canada) Ltd. 19.  
 Automatic Switch Co. 4-5.  
 Autotron Inc., 2-8-10-14.  
 Autotronics Control (1).  
 Aviation Electric Ltd. 13.  
 Aviation Electric Pacific Ltd. 13.  
 Avtek Systems Engineering Ltd. (6)-(12).

## Contactors

Contactors ..... 1

Aeromotive Engineering Products Ltd. 1.  
 Ahearn and Soper Co. Ltd. 1.  
 Aircraft Appliance & Equipment Ltd. 1.  
 Allen-Bradley Canada Ltd. (1).  
 Alpha-Aracon Radio Co. Ltd. 1.  
 Arrow Hart & Hegeman (Canada) Ltd. (1).  
 Associated Electrical Industries (Canada) Ltd. (1).  
 Automatic Switch Co. 1.

- Bach-Simpson Ltd. (6).
- Bailey Meter Co. Ltd. (1)-(14)-(16)-(23).
- Baird-Atomic, Inc. 2.
- Barber-Colman of Canada Ltd. (7)-(14).
- Barber-Colman Co. 1-7-14.
- Barron, William T. 14.
- Barvic Engineering Ltd. (1)-(15)-(22).
- Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (2)-(10)-(12).
- Beatty Bros. Ltd. 10.
- Beckman Instruments Inc. (13).
- Beckman/Berkeley Div. 2-6.
- Beckman Instruments, Inc., Heliport Div. 13.
- Bendix Aviation Corp., Bendix-Pacific Div. 4-13.
- Bendix Aviation Corp., Scintilla Div. 1.
- Becco Canada Ltd. (1)-(2)-(3)-(4)-(5)-(6)-(7)-(8)-(9)-(10)-(11)-(12)-(13)-(14)-(15)-(16)-(17)-(18)-(19)-23-24.
- Bergen Laboratories Inc. 1-19.
- Bern and Company Ltd., Lee 22.
- Best Co., John (2)-(9)-(10)-(11)-(19).
- Bowmar Instrument Corp. 2-6-13-16.
- Branson Instruments, Inc. and Branson Ultrasonic Corp. 3-9.
- Brian Engineering Ltd. 21.
- Bristol Co. of Canada Ltd., The (1)-(7)-(14)-(16)-(17)-(19)-(21)-(23).
- Bristol Motor Div., Vocaline Co. of America 19.
- Brown Boveri (Canada) Ltd. (4)-(6)-(18).
- Burgess, Norris 15-22.
- Burlec Sales Ltd. 19.
- C.G. Electronics Corp. 12.
- CIS-CAN Chemical & Industrial Sales Ltd. 1-7-14-16-17-21.
- Canadian Applied Research Ltd. 19.
- Canadian Communication Systems 15-16.
- Canadian Electrical Supply Co. Ltd. 10-18.
- Canadian Electronics Ltd. 1-2-6-10-12-15-18.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 12-20.
- Canadian Line Materials 10.
- Canadian Marconi Co. (1)-(12).
- Canadian Motorola Electronics Ltd. (1)-(12)-(20).
- Canadian Pratt and Whitney Aircraft Co. Ltd. 3-13.
- Canadian Research Institute (1)-(2)-(7)-(8)-(9)-(10)-(11)-14-17-19.
- Canadian Westinghouse Co. Ltd. (1)-(4)-(13).
- Canavia Engineering & Sales Co. 7-13-17-19.
- Centralab Canada Ltd. (22).
- Central Dynamics Ltd. (1)-(2)-(10)-(12)-(13)-(14)-(19)-(20).
- Centronix Inc. 1.
- CERL-DALE, Limited (formerly Canadian Electric Resistors Ltd.) 22.
- Clarostat Mfg. Co., Inc. 15-22.
- Computer-Measurements Co., Div. of Pacific Industries 2-6-19.
- Consolidated Controls Corp. 1-2-13-21.
- Constellation Components Co. 7-13.
- Control Electronics Co., Inc. 13.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23.
- Crawford Associates, Allan I.
- Crawford Radio, The 22.
- Curtiss Wright Corp., Electronics Div. 1-9-23.
- D & B Sound and Signals Inc. 1-15-19.
- Davis Automatic Controls Ltd. 1-4-14-19.
- Dayrand Ltd. 7.
- Daystrom, Ltd. 4-6-7-8-10-13-23.
- Daystrom Pacific, Div. of Daystrom, Inc. 19.
- Daytronic Corp. 1-3-9-17-23.
- Delta Aircraft Equipment Ltd. 1-7-13-17-19-23.
- Diamond Power Specialty Corp., Electronics Div. 20.
- Di/An Controls, Inc. 2-11-19-24.
- Digtran Co., A Div. of Endeavor Corp. 11-13-19-23.
- Dominion Electrohome Industries Ltd. 1-10-14-19-23.
- Dominion Machinery & Equipment Co. Ltd. 1-15-24.
- Dynapar Corp. 1-2-3-4-5-6-9-10-11-19-23-24.
- E.M.I.-Cossor Electronics Ltd. (2)-(6)-(8)-(9)-(10)-11-15-(23).
- Eagle Signal Co. 2-19-20.
- Eastern Jewel Corp. 22.
- Edwards High Vacuum (Canada) Ltd. (21).
- Elder Electronics 2-10-19.
- Electric Switch Corp. 19.
- Electrodesign 1-2-3-6-10-17-19.
- Electrolabs 6-8-10-19.
- Electromechanical Products 2-3-5-6-13-16-17-19-23.
- Electronic Associates Ltd. (1)-(2)-(9)-(10)-(12)-(19).
- Electronic Controls Ltd. (2)-(4)-(5)-(14)-(21).
- Electronic Materials International Ltd. (12)-(15).
- Electronic Research & Development Co. Ltd. (1)-(12)-(15).
- Electronics Corp. of America (Canada) Ltd. 1-2-8-10-(14).
- Electro Products Laboratories, Inc. 2.
- Electro-Sonic Laboratories, Inc. 15.
- Electro Sonic Supply Co. Ltd. 1-2-3-4-5-6-8-9-11-12-15-19-22.
- Ellis Industries, The J. W. 1-2-7-10-19-21.
- English Electric Co. Ltd., The 4-5-24.
- Epaco, Inc. 1.
- Ericsson Telephone Sales of Canada Ltd. (10).
- Evans Electroelenium Ltd. 10.
- Evershed-Powerticon Ltd. (1)-(12)-(16).
- Evershed and Vignoles Ltd. 1-3-4-5-13-14-16-23.
- Farmer Electric Products Co. Inc. 10-19.
- Fenwal Inc. 1.
- Ferranti Packard Electric Ltd. 2.
- Fielden Electronics Ltd. 1-7-13-14.
- Flier-Smith Machinery Co. Ltd. 10.
- Fischer & Porter (Canada) Ltd. (1)-(7)-(16).
- Fischer & Porter Co. 1.
- Fisher-Pierce Co., The 10.
- Fisher Scientific Co. Ltd. 10-19-(21)-(23).
- Found Bros. Aviation Ltd. (2)-(3)-(13)-(17)-(19)-(20).
- Fraser Ltd., George M. 1-10.
- Frequency Standards 6.
- Frost (Canada) Ltd., L. H. (1).
- Garrett Mfg. Corp. of Canada, Ltd., The (4)-(5)-(6)-(12)-(13).
- General Communication Co. 16.
- General Communications Ltd. (1).
- General Controls Co. (Canadian) Ltd. 1-2-4-7-13-19-20-21.
- General Radio Co. 4-5-8.
- Gilmore Industries, Inc. 1-13-16-17-23.
- Glendon Instrument Co. Ltd., The 10-17.
- Hackbusch Electronics Ltd. 1-6-7-12-15-22.
- Hammond Mfg. Co. Ltd. (5).
- Hastings-Raydist, Inc. 21.
- Haydon Co., The A. W. 4-19.
- Heenan Ltd., P. J. 22.
- Herring & Co. Ltd., John 2-4-5-10-14-19.
- Higginson Equipment Sales Ltd. 2-4-10-11-21.
- Honeywell Controls Ltd. (1)-(6)-(7)-(13)-(14)-(16)-(17)-(19)-(21).
- Hughes Products 18-21-24.
- Hughes & Phillips, Inc. 10.
- Industrial Electronic Engineers, Inc. 23.
- Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd. (1)-(8)-(10)-(22).
- Ingraham Canadian Clock Co. Ltd. (19).
- Instronics Ltd. 2-6-12-23.
- International Business Machines Co. Ltd. (1)-(2)-(19).
- International Systems Ltd. (12).
- Kelk Ltd., George (3)-(9)-(10)-(13)-(17)-(23).
- Kelvin & Hughes (Canada) Ltd. 13.
- Kelvin & Hughes Ltd. 1-10-13-14.
- Kidde & Co. of Canada Ltd., Walter (1)-(13)-(14).
- Kingston Electronics, Div. of Kingston Industries, Inc. 4-13-18.
- Kinney Mfg. Div., The New York Air Brake Co. 21.
- Langham Thompson Ltd., J. 4-5.
- Lenkurt Electric Co. of Canada Ltd. (1)-(12).
- Leonard Electric Ltd. 6-13-19.
- Lisle Instrument Systems 2-3-5-10-(14)-17-19-23-24.
- Londex Ltd. 1-2-10-14-19.
- Lucas-Rotax Ltd. (4)-(5)-(6)-(13).
- MEL Sales Ltd. 5-6-13.
- Machinery Electrification Inc. 4-10-13-18-19.
- MacIvor Electronics Ltd. 2-8-10-15-19.
- Magtrol, Inc. 13.
- Marconi's Wireless Telegraph Co. Ltd. 12.
- Martin Engineering Inc. 1-2-8-10-14-19.
- McPhar Geophysics Ltd. (14).
- Measurement Engineering Ltd. (1)-(2)-(3)-(6)-(7)-(8)-(9)-(10)-(11)-(12)-(13)-(14)-(16)-(17)-(18)-(19)-(20)-(21)-(23)-(24).
- Mercold Corp., The 1.
- Meredith & Co. Ltd., C. C. (22).
- Micro Balancing, Inc. 10.
- Microwave Systems 12-13-17.
- Montgomery Mfg. Co. 15-19.
- Moore Associates, Inc. 1-12-20.
- Muirhead Instruments Ltd. (13).
- Muirhead & Co. Ltd. 5-13.
- Multi-Products Co. 12.
- Multifone Electric Co. Ltd. 1-15.
- Murphy Radio Ltd. 12.
- NRC Equipment Corp. 21.
- National Sound Services Ltd. (15).
- Nichols Ltd., R. H. (12).
- Norrman Laboratories, Ernst 6-19.
- Northern Electric Co. Ltd. 4-(20).
- Ohmite Mfg. Co. 22.
- Optimized Devices, Inc. 1-2.
- Peacock Brothers Ltd. 17-21.
- Peffer Sound Systems Ltd. (15).
- Peschel Electronics, Inc. 9-18.
- Pfeiffer Electronics Laboratories 22.
- Philips Electronics Industries Ltd. (2)-(4)-(12)-(17)-(21).
- Photomation, Inc. (formerly Ess Instrument Co.) 2-9-10-14-18.
- Polytronics Co. (10)-(14).
- Powertronics Equipment Ltd. (1)-(4).
- Prince and Roberts 1-14-15.
- RCA Victor Co. Ltd. (2)-(3)-(9)-(12)-(15).
- Radionics Ltd. 2-3-9-21-23.
- Radio Trade Supply Ltd. 10-15-19-22.
- Railway & Power Engineering Corp. Ltd. 4-5-6.
- Randall (Canada) Ltd., Douglas 1-2-3-5-7-13-14.
- Rank Cintel Ltd. 1-10-11.
- Raytheon Canada Ltd. (13).
- Reeves Instrument Corp. 13.
- Research Instrumentation Ltd. (10)-(15).
- Robertshaw-Fulton Controls Co. Aeronautical & Instrument Div. 1.
- Robotron Corp. 10-18-24.
- Rogers Electronic Tubes & Components 2-(22).
- Rousseau Controls Ltd. 19.
- Sangamo Electric Co. 20.
- Schomandl K.C. 6.
- Scott & Co. (Electrical Engineers) Ltd., James 2-20.
- Servo Corp. of America 13.
- Servomechanisms (Canada) Ltd. (2)-(10)-(13).
- Shand & Jurs Co. 1.
- Showalter, R. J. 1-4-5.
- Siemens Edison Swan (Canada) Ltd. 1-2-4-6-8-10-13-14-18-19-24.
- Simmonds Aerocessories, Inc. 1.
- Simpson Mfg. Co. Inc., Mark 10-15-22.
- Smith Co. Ltd., W. M. 17.
- Smyth Electronic Components Ltd. 15.
- Soia Electric (Canada) Ltd. (8).
- Spectrol Electronics Corp. 13.
- Spivey, Inc., James S. 12.
- Standard Electric Time Co. of Canada Ltd. (1).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 7.
- Superior Electric Co., The 8.
- T.M.C. (Canada) Ltd. (6).
- Tattall Measuring and Nuclear Systems 17-23.
- Taylor Instrument Companies of Canada Ltd. (7)-(21).
- Taylor-Leslie Mining & Engineering Corp. Ltd. 10.
- Tecneek Associates 1-2-10-13-14-17-19.
- Tele-Radio Systems Ltd. (1)-4-12-20.
- Telex, Inc. 2.
- Tempo Instrument Inc. 6-13-19.
- Texas Instruments Incorporated 1.
- Thermovolt Instruments Ltd. (6)-(7)-13-(21).
- Thompson Ltd., Chas. L. 15.
- Tilton Ltd., John R. 1-15.
- Topping Electronics Ltd., F. V. (6)-(15)-(19).
- Tregaskiss Sales Co., William 4-5-6-13-18-19-24.
- Triad Instruments & Control Ltd. (4)-(10)-(13)-(18).
- Varah Ltd., L. A. 22.
- Vector Labs, Inc. (1)-(2)-(3)-(6)-(8)-(9)-(10)-(11)-(13)-(14)-(15)-(16)-(18)-(19)-(23).
- Vecco Vacuum Corp. 21.
- Venner Electronics Ltd. 19.
- Vickers Inc., Electric Product Div. 6-8-10-13-24.
- Vocaline Co. of America, Inc. 19.
- Ward Leonard Electric Co. 4-8.
- Waterloo Electronics Supply Co. Ltd. 19-22.
- Weltronic Co. 4-5-18-19-24.
- Western Agencies Ltd. 1.
- West Instrument Corp. 1.
- Whittaker, E. E. 1-2-7-8-9.
- Wholesale Radio & Electronic Ltd. 1-2-4-5-10-15-18-19-22.
- Wickman Ltd., A. C. 2-3-23.
- Willard Spenser Co. 12-13.

### Converters

|                                   |    |
|-----------------------------------|----|
| Analog to Digital .....           | 1  |
| Card to Tape .....                | 2  |
| Code .....                        | 3  |
| Computing .....                   | 4  |
| DC to DC .....                    | 5  |
| Digital to Analog .....           | 6  |
| Facsimile .....                   | 7  |
| Frequency .....                   | 8  |
| Frequent Shift Keying .....       | 9  |
| High Frequency .....              | 10 |
| Low Frequency .....               | 11 |
| Power Frequency, Electronic ..... | 12 |
| Power Frequency, Rotary .....     | 13 |
| Power Frequency, Vibrator .....   | 14 |
| Single Sideband Receiver .....    | 15 |
| Television UHF to VHF .....       | 16 |

- Aeromotive Engineering Products Ltd. (1)-(4)-(6).
- Ahern and Soper Co. Ltd. 15-16.
- Aircraft Appliances & Equipment Ltd. 13-14.
- Airpax Electronics Inc. 1-5-6-8-11-12-14.
- Alpha Aracon Radio Co. Ltd. 11-12-13-14-16.
- American Electronics Co. 10.
- American Television & Radio Co. 14.
- ARVA Inc. (1)-(6)-(8).
- Associated Electrical Industries (Canada) Ltd. (8)-(13).
- Atlas Instrument Corp. Ltd. 1-8.
- Atlas Radio Corp. Ltd. 5.
- Aviation Electric Ltd. 1-4-5-8.
- Aviation Electric Pacific Ltd. 12-13.
- Avtek Systems Engineering Ltd. (5).
- Bailey Meter Co. Ltd. (1).
- Barron, William T. 5-14.
- Baily Engineering Ltd. 5-11-12.
- Beckman/Berkeley Division 1-6-8.
- Beckman Instruments Inc. (1)-(6).
- Beckman Instruments, Inc., Beckman Systems Div. 1.
- Benco Television Associates Ltd. (16).
- Bendix Aviation, Computer Div. 4.
- Becco Canada Ltd. (12).
- Bern and Company Ltd., Lee 5.
- Blonder-Tongue Laboratories, Inc. 8-10-11-16.
- Bristol Co. of Canada Ltd., The 1.
- Brown Boveri (Canada) Ltd. (13).
- Buckland Co., Robert J. 8-10-15-16.
- Burlec Sales Ltd. 5.
- Burroughs Adding Machine Co. of Canada Ltd. (2)-(4).
- Burroughs Adding Machine Co. of Canada Ltd., Computer Systems Div. (4).
- Burroughs Corp., ElectroData Div. 2-3-4.
- C.G. Electronics Corp. 1-2-5-6.
- Cambridge Instrument Co., Ltd. 1.
- Canadian Applied Research Ltd. 1-6.
- Canadian Electrical Supply Co. Ltd. 16.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. (18).
- Canadian Marconi Co. 15.
- Canadian Motorola Electronic Ltd. (5)-(9).
- Canadian Pratt and Whitney Aircraft Co. Ltd. 1-2-6.
- Canadian Research Institute (8).
- Canadian Westinghouse Co. Ltd. (1)-(6)-(7)-(9).

Carter Motor Co. 5-8-13.  
 Central Dynamics Ltd. (1)-(4)-(6).  
 Centronix Inc. 1-6.  
 Collins Radio Co. of Canada Ltd. (9).  
 Computing Devices of Canada Ltd. 1-6.  
 Computer-Measurements Co., Div. of Pacific Industries 1.  
 Consolidated Controls Corp. 1.  
 Constellation Components Co. 5-12.  
 Control Electronics Co., Inc. 8-10-12.  
 Conway Electronic Enterprises Reg'd 2-3-4-5-8-10-11-12-13-14-15-16.  
 Cornell-Dubilier Electric Corp. 5-14.  
 Crawford Associates, Allan 1-6.  
 Crawford Radio, The 10-15.  
 Cubic Corp. 1.  
 Daystrom, Ltd. 1-15.  
 Di/An Controls, Inc. 2-3-4.  
 Digitran Co., A Div. of Endeveco Corp. 1-6.  
 Domac Technical Sales Ltd. 7-8-9.  
 Dorsett Laboratories, Inc. 5.  
 Dymec, A Div. of Hewlett-Packard 1.  
 Dynapar Corp. 1-3-13.  
 E.M.I.-Cossor Electronics Ltd. (1)-(2)-(3)-(4)-(6)-(8)-(10)-(11)-16.  
 E.M.I. Electronics Ltd. 1.  
 Electrodesign 1-2-3-5-8.  
 Electro Instruments, Inc. 1-2-3-4-6-8.  
 Electroline Television Equipment Inc. 16.  
 Electrochemical Products 1-3-4-5-6-12.  
 Electronic Associates Ltd. (1)-(3)-(6).  
 Electronic Controls Ltd. (5)-(12).  
 Electronic Research Associates, Inc. 5-9-12.  
 Electronics International Co. 12.  
 Electro Sonic Supply Co. Ltd. 5-8-10-11-15-16.  
 Engineered Magnetics Div., Gulton Industries Inc. 5.  
 English Electric Co. Ltd., The 1-6.  
 Epsco, Inc. 1-2-4-8-10-11.  
 Evershed-Powertonic Ltd. (1)-(3).  
 Evershed and Vignoles Ltd. 1.  
 Ferrotran Electronics Co., Inc. 5-10.  
 Fischer & Porter (Canada) Ltd. (1)-(6).  
 Fischer & Porter Co. 1.  
 Franklin Electronics Inc. 1-3.  
 Fraser Ltd., George M. 5.  
 Garrett Mfg. Corp. of Canada, Ltd., The (6)-(12).  
 General Communication Co. 8.  
 Gilmore Industries, Inc. 1.  
 Guardian Electric Mfg. Co. 5-8-12.  
 Hackbusch Electronics Ltd. 12-13-14.  
 Hammond Mfg. Co. Ltd. (5).  
 Hart Electronics Ltd. 13-15.  
 Herring & Co. Ltd., John 5.  
 Hewlett-Packard Co. 1-3.  
 Hermes Electronics Co. (New name for Hycon-Eastern Inc.) 3-4.  
 Hoover Co. Ltd., The 1-(5)-8.  
 Hoover Electronics Co. 1-6.  
 Hummel, William M. 5.  
 Industrial Development Engineering Associates, Inc. 16.  
 Industrial Electronic Engineers, Inc. 1.  
 Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd. (5)-(8)-(10)-(11)-(13).  
 Industrial Test Equipment Co 8-11-12.  
 Instronics Ltd. 1-8-9-10-11-12-15.  
 International Business Machines Co. Ltd. (2).  
 International Systems Ltd. 15.  
 Jerrold Electronics (Canada) Ltd. (15)-(16).  
 Johnson Co., E. F. 8.  
 Kahnert Sales Ltd., R. C. 14-15.  
 Kato Engineering Co. 5-10-11-12-13.  
 Katolight Corp. 13.  
 Kelk Ltd., George (1).  
 Kidde & Co. of Canada Ltd., Walter (1)-(5)-(6)-(8)-(12).  
 Kin Tel, A. Div. of Cohu Electronics, Inc. 1.  
 LEL, Inc. 10.  
 Leonard Electric Ltd. 5.  
 Librascope, Inc. 1.  
 Liquidometer of Canada Ltd. (8).

Liquidometer Corp., The 8.  
 Lisle Instrument Systems 14.  
 Lomas, E. G. 5-8.  
 Lucas-Rotax Ltd. (5).  
 MEL Sales Ltd. 8-12.  
 MacQuarrie Sales, J. J. 5.  
 Marconi's Wireless Telegraph Co. Ltd. 9.  
 Measurement Engineering Ltd. (8)-(9)-(10)-(11)-(12)-(13).  
 Microwave Systems 1-8-9.  
 Mitchell Electronics, J. C. E. 5-8-12.  
 Muirhead & Co. Ltd. 7.  
 Non-Linear Systems Inc. 1.  
 Norrman Laboratories, Ernst 8-11.  
 Northern Radio Mfg. Co. Ltd. Ltd. (7)-(9).  
 Northern Radio Co., Inc. 7-9.  
 Norwood Controls, Unit of Detroit Controls 1.  
 Ohio Crankshaft Co., The — Tocco Div. 12-13.  
 Parsons Co., The Ralph M. — Electronics Div. 5.  
 Perkin Engineering Corp. 5.  
 Phillips Electronics Industries Ltd. (15)-16.  
 Plessey Co. of Canada Ltd. (13)-(14).  
 Pointon Ltd., Charles W. 5-8.  
 Power Sources, Inc. 5-8-11-12.  
 Powertronic Equipment Ltd. (11)-(13).  
 Pylon Electronic Development Co., Ltd. (5)-(12).  
 RCA Victor Co. Ltd. (8)-(9)-(15)-(18).  
 R-O-R Associates Ltd. 3-4-6.  
 Racial Engineering Ltd. 15.  
 Radiation, Inc. 1-4-6.  
 Radio Frequency Laboratories, Inc. 8-12.  
 Radionics Ltd. 1-2-5-6-8.  
 Radio Trade Supply Ltd. 5-8-10-15-16.  
 Randall (Canada) Ltd., Douglas 4-12.  
 Raypar, Inc. 5.  
 Redifon Ltd. 9-15.  
 Rutherford Agencies 5-14.  
 Servomechanisms (Canada) Ltd. 1-6.  
 Showalter, R. J. 13.  
 Simpson Mfg. Co. Inc., Mark 14.  
 Sorensen & Co., Inc. 5.  
 Southwestern Industrial Electronics Co. 1-5.  
 Spectrol Electronics Corp. 5-8-12.  
 Standard Television Products Ltd. (14).  
 T.M.C. (Canada) Ltd. (7)-(8)-(9)-(10)-(11)-(15).  
 Teleguipment Mfg. Co. Ltd. 14-16.  
 Tele-Radio Systems Ltd. 5-8.  
 Telex, Inc. 1-4.  
 Tel-Instrument Electronics Corp. 8-12.  
 Tempo Instrument Inc. 5-8.  
 Thompson Ltd., Chas. L. 10-11-13-14.  
 Titania Electric Corp. of Canada Ltd. 5-6.  
 Topping Electronics Ltd., F. V. (5)-(8).  
 Triad Instruments & Controls Ltd. (11)-(12).  
 Tullamore Electronics Corp., (A Sub. of The Victoreen Instrument Co.) 1.  
 Varah Ltd., L. A. 5-12-13-14.  
 Vickers Inc., Electric Products Div. 8-12.  
 Westbury Electronics (Canada) Ltd. 8-16.  
 Western Agencies Ltd. 16.  
 White Radio Ltd. 15.  
 Whittaker, E. E. 12.  
 Willard Spenser Co. 10-11-12-13.

### Cooling Units

Blower or Fan ..... 1

Aeromotive Engineering Products Ltd. 1.  
 Aircraft Appliances & Equipment Ltd. 1.  
 Alpha Aracon Radio Co. Ltd. 1.  
 Fasco Industries, Inc. 1.  
 Bayly Engineering Ltd. (1).  
 Bendix Aviation Corp., Bendix-Pacific Div. 1.  
 Bern and Company Ltd., Lee 1.  
 Canadian Electronics Ltd. 1.  
 Dayrand Ltd. 1.  
 Delta Aircraft Equipment Ltd. 1.  
 Domac Technical Sales Ltd. 1.  
 Dominion Electrohome Industries Ltd. (1).  
 Elder Electronics 1.  
 Electro Sonic Supply Co. Ltd. 1.  
 Herring & Co. Ltd., John 1.

Hoover Co. Ltd., The (1).  
 Howard & Co. Ltd., M. J. 1.  
 Joy Manufacturing Co. (Canada) Ltd. (1).  
 Joy Manufacturing Co. 1.  
 McLean Engineering Laboratories 1.  
 Measurement Engineering Ltd. 1.  
 Northern Radio Mfg. Co. Ltd. 1.  
 Railway & Power Engineering Corp. 1.  
 Randall (Canada) Ltd. 1.  
 Rotating Components, Inc. 1.  
 Smith, Ltd., Irving 1.  
 Tregaskiss Sales Co., William 1.  
 Waterloo Electronics Supply Co. Ltd. 1.  
 Western Agencies Ltd. 1.  
 Whittaker, E. E. 1.

### Cord Sets

Cord Sets ..... 1

Alpha Aracon Radio Co. Ltd. 1.  
 Barron, William T. 1.  
 Barvic Engineering Ltd. 1.  
 Bern and Company Ltd., Lee 1.  
 Birnbach Radio Co., Inc. 1.  
 Campbell Mfg. Co. Ltd. (1).  
 Canadian Electrical Supply Co. Ltd. 1.  
 Canadian Electronics Ltd. 1.  
 Cohen Ltd., William 1.  
 Columbia Wire & Supply Co. 1.  
 Connector Corp. 1.  
 Consolidated Wire and Associated Cos. 1.  
 Cords (Canada) Ltd. (1).  
 Crawford Radio, The 1.  
 Dessler E-E Ltd. 1.  
 Eagle Electric Mfg. Co. Inc. 1.  
 Electronic Components Ltd. (1).  
 Electro Sonic Supply Co. Ltd. 1.  
 Fleck Mfg. Ltd. (1).  
 General Wire & Cable Co. (1).  
 Hackbusch Electronics Ltd. 1.  
 Herring & Co. Ltd., John 1.  
 Lab-Tronics, Inc. 1.  
 Lenkurt Electric Co. of Canada Ltd. (1).  
 Payette Radio Ltd. 1.  
 Phillips Electrical Co. Ltd. 1.  
 Pointon Ltd., Charles W. 1.  
 Radio Trade Supply Ltd. 1.  
 Royal Electric Co. (Quebec) Ltd. (1).  
 Smith & Stone Ltd. (1).  
 Smyth Electronic Components Ltd. 1.  
 Tele-Radio Systems Ltd. 1.  
 Thompson Ltd., Chas. L. 1.  
 Trimm, Inc. 1.  
 Verd-A-Ray Electric Products Ltd. (1).  
 Waterloo Electronics Supply Co. Ltd. 1.  
 Western Agencies Ltd. 1.  
 White Radio Ltd. 1.  
 Wholesale Radio & Electronics Ltd. 1.

### Cords

Dial Cords and Cables ..... 1  
 Lacing ..... 2  
 Line ..... 3  
 Line Resistance ..... 4

Active Radio & TV Ltd. 3.  
 Alpha Aracon Radio Co. Ltd. 1-2-3.  
 Alpha Wire Corp. 2-3.  
 Amplivox (Canada) Ltd. (3).  
 Andrews & Associates, A. W. 2.  
 Barvic Engineering Ltd. 1-2-3-4.  
 Bern and Company Ltd., Lee 1-2-3.  
 Borden Chemical Co. — Resinite Dept. 2.  
 CBC Electronics Co., Inc. 1.  
 Canada Wire and Cable Co. Ltd. (1).  
 Canadian Electrical Supply Co. Ltd. 1-4.  
 Canadian Electronics Ltd. 1-2-4.  
 Columbia Wire & Supply Co. 3-4.  
 Consolidated Wire and Associated Cos. 1-3-4.  
 Crawford Radio, The 1-3.  
 A/S Danavox 1.  
 Dessler E-E Ltd. 3.  
 Eagle Electric Mfg. Co. Inc. 3.  
 Electrolabs 1.  
 Electro Sonic Supply Co. Ltd. 1-2-3.  
 Ericsson Telephone Sales of Canada Ltd. (1).  
 Finkler Ltd., Len 2.  
 General Cement Mfg. Co. — Div. of Tectron Inc. 1-2.  
 General Wire & Cable Co. (3).  
 Gudebrod Bros. Silk Co., Inc. 1-2.

Hackbusch Electronics Ltd. 2.  
 Hellermann (Canada) Ltd. (2).  
 M. M. Newman Corp. 2.  
 Payette Radio Ltd. 1-3.  
 Phalo Plastics Corp. 3.  
 Phillips Electrical Co. Ltd. (1).  
 Pointon Ltd., Charles W. 1.  
 Prince and Roberts 1.  
 Radio Trade Supply Ltd. 1-2-3-4.  
 Royal Electric Co. (Quebec) Ltd. (3).  
 Ruggles Co. Ltd., H. P. 1-2.  
 Siemens Edison Swan (Canada) Ltd. 1.  
 Smyth Electronic Components Ltd. 1-2-3.  
 Suflex Ltd. 1-2.  
 Telephone Mfg. Co. Ltd. 1.  
 Tele-Radio Systems Ltd. 3.  
 Walsco Electronics Mfg. Co. — Div. of Tectron Inc. 1-2.  
 Waterloo Electronics Supply Co. Ltd. 1-2-3.  
 Western Agencies Ltd. 1-2-3-4.  
 Whittaker, E. E. 1-2.  
 Wholesale Radio & Electronics Ltd. 1-3-4.

### Cores

Ceramic ..... 1  
 Ferrite ..... 2  
 High Permeability Magnetic ..... 3  
 Iron ..... 4  
 Powdered ..... 5

Aerovox Canada Ltd. 2-5.  
 Ahearn and Soper Co. Ltd. 2-3-4-5.  
 Allen-Bradley Canada Ltd. 2.  
 Arnold Engineering Co., The 3-4-5.  
 Automatic Telephone & Electric Co. Ltd. 2-4.  
 Bayly Engineering Ltd. 1-3-4-5.  
 Bern and Company Ltd., Lee 2.  
 Cambridge Thermionic of Canada, Ltd. (5).  
 Canadian Electrical Supply Co. Ltd. 2.  
 Canadian Stackpole Ltd. (2).  
 Canadian Westinghouse Co. Ltd. 3.  
 Collins Radio Co. of Canada Ltd. (2).  
 Control, A Div. of Magnetics Inc. 3-5.  
 Crawford Radio, The 2.  
 Custom Components, Inc. 2-4-5.  
 E.M.I.-Cossor Electronics Ltd. (3).  
 Electro Sonic Supply Co. Ltd. 1-2-3-4-5.  
 El-Met-Parts Ltd. (3)-(4).  
 English Electric Co. Ltd., The 3.  
 Erie Resistor Corp. 1-2.  
 Ferroxcube Corp. of America 2.  
 Fraser Ltd., George M. 1-2-3-5.  
 Glendon Co. Ltd., The 2-4-5.  
 Gould Sales Co., E. S. 4.  
 Howard & Co. Ltd., M. J. 2-4-5.  
 Kerr-Machin Associates 1.  
 LCB Mfg. Co. Ltd. (1)-(2)-(3)-(4)-(5).  
 Lake Engineering Co. Ltd. 1-2-3-5.  
 Lenkurt Electric Co. of Canada Ltd. (5).  
 Lomas, E. G. 2-3-5.  
 Magnetics Inc. 3-5.  
 Micarta Fabricators Ltd. (2).  
 Mitchell Electronics, J. C. E. 1-2.  
 National Radio Co. Inc. 1.  
 Neostid (Canada) Ltd. (3)-(4)-(5).  
 Plessey Co. of Canada Ltd. (1)-(2)-(3)-(5).  
 Polypenco, Inc. 3-5.  
 Radionics Ltd. 2-3.  
 Radio Trade Supply Ltd. 1-4.  
 Raytheon Canada Ltd. (2).  
 Rogers Electronic Tubes & Components 2.  
 Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 2-3-4-5.  
 Steward Mfg. Co., D. M. 1-2.  
 Superex Electronics Corp. 1-2.  
 Sylvania Electric (Canada) Ltd. 2.  
 Telephone Mfg. Co. Ltd. 5.  
 Titania Electric Corp. of Canada Ltd. 1.  
 United Insulator Div. of The Telegraph Condenser Co. Ltd. 1.  
 Varah Ltd., L. A. 1-2-3.  
 Wholesale Radio & Electronics Ltd. 1.

### Counters

Electronic ..... 1  
 Gelger ..... 2  
 Photoelectric ..... 3  
 Revolution ..... 4

- Aeromotive Engineering Products Ltd. 1-3-4.
- Ahearn and Soper Co. Ltd. 1.
- Airmec Ltd. 1-2-3.
- Airpax Electronics Inc. 4.
- Alpha Aracon Radio Co. Ltd. 2-4.
- Andrews & Associates, A. W. 4.
- ARVA Inc. (1)-(2)-(4).
- Associated Electrical Industries (Canada) Ltd. (1).
- Atlas Instrument Corp. Ltd. 1.
- Aviation Electric Ltd. 4.
- Baird-Atomic, Inc. 1-2.
- Bailey Meter Co. Ltd. (4).
- Beaconsing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (1)-(3).
- Beckman Instruments Inc. (1).
- Beckman Instruments, Inc. Beckman Systems Div. 1.
- Bendix Aviation Corp., Bendix-Pacific Div. 1.
- Bepeco Canada Ltd. (1)-(2)-(4).
- Best Co., John (3).
- Bowmar Instrument Corp. 1-4.
- Braun-Knecht-Helmann Co., Glass Engineering Dept. 2.
- Burroughs Corp. — Electronic Tube Div. 1.
- Canadian Electrical Supply Co. Ltd. 2.
- Canadian Electronics Ltd. 3.
- Canadian Marconi Co. 1.
- Canadian Research Institute (1)-(2)-(3).
- Canadian Westinghouse Co. Ltd. (1).
- Canavia Engineering & Sales Co. 1-4.
- Central Dynamics Ltd. (3).
- Computer-Measurements Co. 1.
- Conway Electronic Enterprises Reg'd 1-2-3-4.
- Crawford Associates, Allan 1-2-3.
- Davis Automatic Controls Ltd. 4.
- Di/An Controls, Inc. 1.
- Digitran Co., A Div. of Endevo Corp. 4.
- Domac Technical Sales Ltd. 1.
- Dominion Electrohome Industries Ltd. 1-4.
- Durant Manufacturing Co. 1-3-4.
- Dymec, A Div. of Hewlett-Packard 1.
- Dynapar Corp. 1-3-4.
- E.M.I.-Cossor Electronics Ltd. (1)-2-3.
- E.M.I. Electronics Ltd. 2.
- Eagle Signal Co. 4.
- Elder Electronics 1-3.
- Electrodesign 1-2-4.
- Electro Instruments, Inc. 1.
- Electrolabs 1-3-4.
- Electromechanical Products 1-2.
- Electronic Associates Ltd. (1)-(2)-(3)-(4).
- Electronic Controls Ltd. (1).
- Electronics Corp. of America (Canada) Ltd. 3.
- Electro Sonic Supply Co. Ltd. 1-4.
- Ellis Industries, The J. W. 3-4.
- Epasco, Inc. 1.
- Erie Pacific, Div. of Erie Resistor Corp. 1-4.
- Erie Resistor Corp. 1.
- Found Bros. Aviation Ltd. (1)-(4).
- General Controls Co. (Canadian) Ltd. 1-4.
- Gilmore Industries, Inc. 4.
- Glendon Instrument Co. Ltd., The 1.
- Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd. (3).
- Instronics Ltd. 1-4.
- Hamner Electronics Co., Inc. 1.
- Herring & Co. Ltd., John 1-3-4.
- Hewlett-Packard Co. 1-3.
- Higginson Equipment Sales Ltd. 3-4.
- Honeywell Controls Ltd. (1).
- Kerr-Machin Associates 4.
- Landsverk Electrometer Co. 2.
- Langham Thompson Ltd., J. 1-4.
- Leonard Electric Ltd. 1-3-4.
- Lisle Instrument Systems 1-3-4.
- Londex Ltd. 1-3.
- MEL Sales Ltd. 1.
- Machinery Electrification Inc. 1.
- MacIvor Electronics Ltd. 3.
- Martin Engineering Inc. 1-3.
- Measurement Engineering Ltd. (1)-(2)-(3)-(4).
- Mechtron Engineering Products Ltd. 2.
- Moore Bros. Machinery Co. Ltd. 4.
- Northern Radio Mfg. Co. Ltd. (1).

- Nuclear-Chicago Corp. 2.
- Nuclear Corp. of America, Instrument & Research Div. 2.
- Philips Electronics Industries Ltd. (1)-(2).
- Photomation, Inc. (formerly Ess Instrument Co.) 3.
- R-O-R Associates Ltd. 1-3.
- Racal Engineering Ltd. 1-4.
- Radiation Counter Laboratories, Inc. 2.
- Radionics Ltd. 1-2-4.
- Radio Trade Supply Ltd. 3.
- Rank Cintel Ltd. 1-3-4.
- Research Instrumentation Ltd. 2-3.
- Servomechanisms (Canada) Ltd. (3)-4.
- Siemens Edison Swan (Canada) Ltd. 1-3.
- Smyth Electronic Components Ltd. 1.
- Stelma, Inc. 1.
- Tecneek Associates 1-3-4.
- Tellurometer Canada Ltd. 2.
- Tempo Instrument Inc. 1.
- Thompson Ltd., Chas. L. 4.
- Tullamore Electronics Corp. (A Sub. of The Victoreen Instrument Co.) 1.
- Vector Labs, Inc. (1)-(3).
- Veeder-Root of Canada Ltd. 1-3-4.
- Venner Electronics Ltd. 1.
- Wainbee Tools, Ltd. 1-3-4.
- Weltronic Co. 1.
- Western Agencies Ltd. 2-3.
- Wholesale Radio & Electronics Ltd. 1-3.
- Willard Spenser Co. 1.

**Couplings**

- Microwave Shaft — Reducers and Extensions 2
- Adams Engineering Ltd. 1.
- Aircrom Inc. 1.
- Airtron Canada Ltd. (1).
- Airtron Inc., A Div. of Litton Industries 1.
- Amatam Electronic Hardware Co. 2.
- Beaconsing Optical & Precision Materials Co. Ltd. (B O P Ltd.) 2.
- Bendix Aviation Corp., Scintilla Div. 1.
- Bern and Company Ltd., Lee 2
- Canadian Electrical Supply Co. Ltd. 2.
- Central Electronic Manufacturers 1.
- Dayrand Ltd. 1.
- Delta Aircraft Equipment Ltd. 1.
- DeMornay-Bonardi, Inc. 1.
- Douglas Microwave Co., Inc. 1.
- Electroline Television Equipment Inc. 1.
- Electro Sonic Supply Co. Ltd. 2.
- FXR Inc. 1.
- Frequency Standards 1.
- Roy Gray Ltd., H. Roy 2.
- Hewlett-Packard Co. 1.
- Instronics Ltd. 1.
- Jackson Brothers (London) Ltd. 2.
- Lomas, E. G. 1.
- MEL Sales Ltd. 1-2.
- Mack Co. Ltd., R. 2.
- MacQuarrie Sales, J. J. 2.
- Microwave Associates, Inc. 1.
- Microwave Systems 1.
- Mitchell Electronics, J. C. E. 1.
- Narda Microwave Corp., The 1.
- Pfeiffer Electronic Laboratories 2.
- Plo Design Corp. 2.
- Polytechnic Research & Development Co., Inc. 1.
- Radionics Ltd. 1.
- Radio Trade Supply Ltd. 2.
- Servomechanisms (Canada) Ltd. 2.
- Sinclair Radio Labs. Ltd. (1).
- Smith Ltd., Irving 2.
- Smyth Electronic Components Ltd. 1.
- Stratton & Co. Ltd. 2.
- Telerad Mfg. Corp. 1.
- Transco Products, Inc. 1.
- Varah Ltd., L. A. 1-2.
- Western Agencies Ltd. 2.
- Wholesale Radio & Electronics Ltd. 2.

**Crosses, Microwave**

- Crosses, Microwave 1
- Aircrom Inc. 1.
- Airtron Canada Ltd. (1).
- Airtron Inc., A Div. of Litton Industries 1.

- Bayly Engineering Ltd. 1.
- Beaconsing Optical & Precision Materials Co. Ltd. (B O P Ltd.) 1.
- Conway Electronic Enterprises Reg'd 1.
- Dayrand Ltd. 1.
- Douglas Microwave Co., Inc. 1.
- FXR Inc. 1.
- MEL Sales Ltd. 1.
- Microwave Systems 1.
- Mitchell Electronics, J. C. E. 1.
- Radionics Ltd. 1.
- Sinclair Radio Labs. Ltd. (1).
- Telerad Mfg. Corp. 1.

**Crystal Cartridges**

- Crystal Cartridges 1
- Alpha Aracon Radio Co. Ltd. 1
- Barvic Engineering Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Canadian Astatic Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Crawford Radio, The 1.
- Davco Agencies Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Geertz & Holm Canada Ltd. 1.
- General Sound & Theatre Equipment Ltd. 1.
- Glendon Co. Ltd., The 1.
- Hackbusch Electronics Ltd. 1.
- Kahmert Sales Ltd., R. C. 1.
- Lake Engineering Co. Ltd. 1.
- Mack Co. Ltd., R. 1.
- McIntyre Agencies 1.
- Merritt Co., Ron 1.
- Payette Radio Ltd. 1.
- Pointon Ltd., Charles W. 1.
- R-O-R Associates Ltd. 1.
- Radionics Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Robinson Co., C. M. 1.
- Simmonds & Sons Ltd., A. C. (1).
- Smyth Electronic Components Ltd. 1.
- Tilton Ltd., John R. 1.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

**Crystal Mounts**

- Crystal Mounts 1
- Aircrom Inc. 1.
- Airtron Canada Ltd. (1).
- Airtron Inc., A Div. of Litton Industries 1.
- Alpha Aracon Radio Co. Ltd. 1.
- American Electronic Laboratories, Inc. 1.
- Atlas Instrument Corp. Ltd. 1.
- Barvic Engineering Ltd. 1.
- Buckland Co., Robert J. 1.
- Bulova Watch Co., Electronics Div. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Crawford Radio, The 1.
- DeMornay-Bonardi, Inc. 1.
- Douglas Microwave Co., Inc. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Engel & Gibbs Ltd. 1.
- FXR Inc. 1.
- Frequency Standards 1.
- Gould Sales Co., E. S. 1.
- Hewlett-Packard Co. 1.
- Kahmert Sales Ltd., R. C. 1.
- Lomas, E. G. 1.
- MEL Sales Ltd. 1.
- Mack Co. Ltd., R. 1.
- Microwave Systems 1.
- Narda Microwave Corp., The 1.
- Polytechnic Research & Development Co., Inc. 1.
- Quality Hermetics Ltd. (1).
- Radionics Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Sinclair Radio Labs. Ltd. (1).
- Sperry Gyroscope Co. of Canada Ltd. 1.
- Tilton Ltd., John R. 1.
- Trad Electronics Corp. 1.
- Varah Ltd., L. A. 1.
- Waldom Electronics Inc. 1.
- Western Agencies Ltd. 1.

**Crystals**

- Quartz — Frequency Control 1
- Raw 2
- Rochelle Salts — Transducer 3

- Sapphire Unfinished 4
- Alpha Aracon Radio Co. Ltd. 1-3.
- Automatic Telephone & Electric Co. Ltd. 1.
- Beechey Enterprises 1.
- Bern and Company Ltd., Lee 1.
- Buckland Co., Robert J. 1.
- Bulova Watch Co., Electronics Div. 1-5.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1-4.
- Collins Radio Co. of Canada Ltd. 1.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5.
- Crawford Radio, The 1.
- Croven Ltd. (1)-(2).
- E.M.I.-Cossor Electronics Ltd. (3).
- Electro Sonic Supply Co. Ltd. 1.
- General Radio Co. (Canadian Branch Office) (1).
- Hackbusch Electronics Ltd. 1-4.
- Hermes Electronics Co. (New name for Hycon-Eastern Inc.) 1.
- Kahmert Sales Ltd., R. C. 1.
- Lake Engineering Co. Ltd. 1-2.
- Linde Co., Div. of Union Carbide Canada Ltd. (4).
- Manis Associates Reg'd, Ben (1).
- Marconi's Wireless Telegraph Co. Ltd. 1.
- Monitor Products Co. 1.
- Pacific Communications Services Ltd. 1.
- Payette Radio Ltd. 1.
- Phillips Electronics Industries Ltd. (1).
- Radio Trade Supply Ltd. 1.
- Robinson Co., C. M. 1.
- Rogers Electronic Tubes & Components (1).
- Schomandl KG 1.
- Semi-Elements, Inc. 2-3-4-5.
- Snelgrove Co. Ltd., C. R. (1).
- Spillsbury & Tindall Ltd. (1).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Tele-Radio Systems Ltd. 1.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.

**Decade Boxes**

- Decade Boxes 1
- Capacitance 1
- Inductance 2
- Resistance 3
- Aerovox Canada Ltd. 1-2-3.
- Ahearn and Soper Co. Ltd. 1-2-3.
- Alpha Aracon Radio Co. Ltd. 1-2-3.
- Associated Electronic Components Ltd. 1.
- Barnes Development Co. 3.
- Barron, William T. 1.
- Beechey Enterprises 1-3.
- Burgess, Norris 1-2-3.
- Cambridge Instrument Co., Ltd. 3.
- Canadian Electrical Supply Co. Ltd. 1-2-3.
- Canadian Electronics Ltd. 1-3.
- Canadian Marconi Co., Electronic Tube & Components Div. 3.
- Canadian Research Institute (1)-(3).
- Clarostat Mfg. Co., Inc. 3.
- Conway Electronic Enterprises Reg'd 1-2-3.
- Cornell-Dubilier Electric Corp. 1-3.
- Dawe Instruments Ltd. 2.
- Daystrom, Ltd. 1-3.
- Digitran Co., A Div. of Endevo Corp. 3.
- E.M.I.-Cossor Electronics Ltd. 1-2-3.
- Electrodesign 1-2-3.
- Electronic Instrument Co., Inc. 1-3.
- Electro Sonic Supply Co. Ltd. 1-2-3.
- Ellis Industries, The J. W. 1-2-3.
- General Radio Co. (Canadian Branch Office) (1)-(2)-(3).
- General Radio Co. 1-2-3.
- Glendon Instrument Co. Ltd., The 3.
- Herring & Co. Ltd., John 1-3.
- Hewlett-Packard Co. 3.
- Howard & Co. Ltd., M. J. 1-2-3.
- IRC Resistors, Div. of Renfrew Electric Co. Ltd. (3).
- Industrial Instruments, Inc. 1-3.
- International Resistance Co. 3.

- Lake Engineering Co. Ltd. 1.
- Liquidometer of Canada Ltd. (1).
- Liquidometer Corp., The 1.
- Lisle Instrument Systems 3.
- MacQuarrie Sales, J. J. 3.
- McIntyre Agencies 1.
- Merritt Co., Ron 1-3.
- Muirhead Instruments Ltd. (1)-(2)-(3).
- Muirhead & Co. Ltd. 1-2-3.
- Nichols Ltd., R. H. 2-3.
- Ohmite Mfg. Co. 3.
- Payette Radio Ltd. 1-2-3.
- Polytronics Co. (3).
- Pye & Co. Ltd., W. C. 3.
- Radionics Ltd. 3.
- Radio Trade Supply Ltd. 1-2-3.
- Railway & Power Engineering Corp. Ltd. 1-2-3.
- Rinco, Inc. 1-3.
- Ruhstrat, Gebr. 3.
- Rutherford Agencies 1-3.
- Shallcross Mfg. Co. 3.
- Tech Laboratories, Inc. 3.
- Tecneek Associates 1-2-3.
- Telegraph Condenser Co. Ltd., The 1.
- Telex, Inc. 3.
- Thermovolt Instruments Ltd. 1-2-3.
- Thompson Ltd., Chas. L. 1-2-3.
- Tilton Ltd., John R. 1-3.
- Tinsley Instruments (Canada) Ltd. (1)-(2)-(3).
- Varah Ltd., L. A. 1-2-3.
- Waterloo Electronics Supply Co. Ltd. 1-2-3.
- Western Agencies Ltd. 1-2-3.
- Whittaker, E. E. 3.
- Wholesale Radio & Electronics Ltd. 1-2-3.

### Decalcomanias

#### Decalcomanias ..... 1

- Atlas Radio Corp. Ltd. 1.
- Brady Co. of Canada Ltd., W. H. (1).
- Canada Decalcomania Co. Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Crawford Radio, The 1.
- Electro Sonic Supply Co. Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Rutherford Agencies 1.
- Western Agencies Ltd. 1.

### Delay Line Cores, Metallized

#### Delay Line Cores, Metallized ..... 1

- Conway Electronic Enterprises Reg'd 1.
- JDF Electronics Corp. 1.
- Micarta Fabricators Ltd. (1).

### Delay Lines

- Color TV ..... 2
- Digital ..... 2
- Distributed - Constant Fixed 3
- Distributed - Constant Variable ..... 4
- Lumped - Constant Fixed ..... 5
- Lumped - Constant Variable 6

- Aircraft Appliances & Equipment Ltd. 3-4-5-6.
- Aircraft-Marine Products of Canada Ltd. (3)-(5).
- Armstrong Ltd., A. T. R. (3)-(5).
- Bayly Engineering Ltd. (5).
- Beckman Instruments, Inc., Helipot Div. 4.
- Burnell & Co., Inc. 5.
- Control Electronics Co., Inc. 1-2-3-4-5-6.
- Conway Electronic Enterprises Reg'd 3.
- Cornell-Dublier Electric Corp., 3-4-5-6.
- Curtiss Wright Corp. — Electronics Div. 2.
- Desklin Sales Co., A. 5-6.
- Di/An Controls, Inc. 2.
- E.M.I.-Cossor Electronics Ltd. (3)-(4).
- E.M.I. Electronics Ltd. 1.
- ESC Corp. 1-2-3-4-5-6.
- Electrodesign 4-5-6.
- Electroline Television Equipment Inc. 1-2-3-4-5-6.
- Essex Electronics of Canada Ltd. (2)-(3)-(5).
- Filtron Co., Inc. 2-3-4-5-6.
- General Instrument — F. W. Sickles of Canada Ltd. (3)-(4)-(5)-(6).

- General Radio Co. (Canadian Branch Office) (4).
- General Radio Co. 4.
- Gray Ltd., H. Roy 1-3-5.
- Herring & Co. Ltd., John 1-2-3-5.
- Intronics Ltd. 2.
- JDF Electronics Corp. 1-2-3-5.
- Kay Electric Co. 5.
- Lake Engineering Co. Ltd. 3-5.
- Litton Industries, U.S. Engineering Co. Div. 5.
- Lomas, E. G. 5-6.
- MacQuarrie Sales, J. J. 5.
- Marconi's Wireless Telegraph Co. Ltd. 3.
- Micarta Fabricators Ltd. (2).
- Nagard Ltd. 5.
- Parsons Co., The Ralph M. — Electronics Div. 5-6.
- Pfeiffer Electronic Laboratories 5.
- Polyphase Instrument Co. 5.
- RCA Victor Co. Ltd. 1.
- R-O-R Associates Ltd. 4.
- Rank Cintel Ltd. 3-5.
- Robinson Co., C. M. 1-2-3-4-5-6.
- Shallcross Mfg. Co. 1-3-4-5-6.
- T.M.C. (Canada) Ltd. (3)-(5).
- Tecneek Associates 3-4-5-6.
- Telegraph Condenser Co. Ltd., The 2.
- Tilton Ltd., John R. 1-2-3-4-5-6.
- Titania Electric Corp. of Canada Ltd. 5.
- Valor Instruments, Inc. 5-6.
- Whittaker, E. E. 2-3-4-5-6.

### Depth Sounders

#### Depth Sounders ..... 1

- Alpha Aracon Radio Co. Ltd. 1.
- Astral Electric Co., Ltd. 1.
- Aviation Electric Ltd. 1.
- Bendix Aviation Corp., Bendix-Pacific Div. 1.
- British Ferrograph Recorder Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Marconi Co. 1.
- Canadian Marconi Co., Electronic Tube & Components Div. 1.
- Conway Electronic Enterprises Reg'd 1.
- Daystrom, Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- Electrodesign 1.
- Electro Sonic Supply Co. Ltd. 1.
- Hart Electronics Ltd. 1.
- International Systems Ltd. 1.
- Kelvin & Hughes (Canada) Ltd. 1.
- Kelvin & Hughes Ltd. 1.
- RCA Victor Co. Ltd. 1.
- Raytheon Canada Ltd. (1).
- Sonar Radio Corp. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Tilton Ltd., John R. 1.
- Transonic Ltd. (1).

### Detectors

- Crystal ..... 2
- Explosive Gas ..... 2
- Fire — Electronic ..... 3
- Flaw and Defect — Electronic ..... 4
- Leak ..... 5
- Metal, Electronic ..... 6
- Null ..... 7
- Smoke — Electronic ..... 8
- Standing Wave ..... 9
- Vibration ..... 10

- Aeromotive Engineering Products Ltd. 5.
- Ahearn and Soper Co. Ltd. 10
- Airmecc Ltd. 8.
- Airpax Electronics Inc. 7.
- Alpha Aracon Radio Co. Ltd. 1-7.
- Associated Electrical Industries (Canada) Ltd. (5).
- Atlas Instrument Corp. Ltd. 1-9.
- Atlas-Werke AG 5.
- Bailey Meter Co. Ltd. (8).
- Barvic Engineering Ltd. 1-3-4.
- Beckman Instruments Inc. (2)-(5).
- Beckman/Scientific & Process Instruments Div. 5.
- Bepco Canada Ltd. (4)-(7)-(8).
- Boonton Electronics Corp. 7.
- Branson Instruments, Inc. and Branson Ultrasonic Corp. 4.
- A/S Bruel & Kjaer 9-10.
- Bubova Watch Co., Electronics Div. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 8.

- Canadian Marconi Co. 9.
- Canadian Research Institute 5-(6)-(7)-(10).
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9-10.
- Crawford Radio, The 1-9.
- Daystrom, Ltd. 2.
- DeMornay-Bonardi, Inc. 9.
- Douglas Microwave Co., Inc. 1.
- E.M.I.-Cossor Electronics Ltd. 4-7-10.
- Edwards High Vacuum (Canada) Ltd. (5).
- Electrodesign 4-5-7-10.
- Electrolabs 10.
- Electroline Television Equipment Inc. 4.
- Electromechanical Products 1-10.
- Electronic Associates Ltd. (6).
- Electro Products Laboratories, Inc. 6.
- Electro Sonic Supply Co. Ltd. 1-2.
- Ellis Industries, The J. W. 7.
- Erwood Inc. 10.
- Evershed and Vignoles Ltd. 5.
- FXR Inc. 9.
- Fenwal Inc. 3.
- Filer-Smith Machinery Co. Ltd. 3-8.
- Finkler Ltd., Len 1.
- Fisher Scientific Co. Ltd. (5).
- General Radio Co. (Canadian Branch Office) (7)-(9)-(10).
- General Radio Co. 1-7-9-10.
- Glendon Instrument Co. Ltd., The 7-10.
- Hackbusch Electronics Ltd. 1.
- Hastings-Raydist, Inc. 5.
- Herring & Co. Ltd., John 3-7-8.
- Hewlett-Packard Co. 1-7-9.
- Honeywell Controls Ltd. (7).
- Industrial Test Equipment Co. 7.
- Intronics Ltd. 1.
- Iron Fireman Mfg. Co., Electronics Div. 3.
- Johnson-Williams, Inc. 2.
- Kelvin & Hughes (Canada) Ltd. 4-6-8.
- Kelvin & Hughes Ltd. 4-8.
- Keith Mercer Co. Ltd. 4-5-10.
- Kidde & Co. of Canada Ltd., Walter (2)-(3)-(8).
- Kin Tel, A Div. of Cohu Electronics, Inc. 7.
- Lisle Instrument Systems 4-6-(8).
- Lomas, E. G. 1-9.
- MEL Sales Ltd. 1-9-10.
- Magnachem Ltd. 4.
- Martin Engineering Inc. 8.
- McPhar Geophysics Ltd. (8).
- Measurement Engineering Ltd. (3)-(6)-(7)-(8).
- Muirhead & Co. Ltd. 7.
- Murphy Radio Ltd. 4.
- NRC Equipment Corp. 5.
- Narda Microwave Corp., The 1.
- Payette Radio Ltd. 1.
- Peschel Electronics, Inc. 4.
- Phillips Electronics Industries Ltd. (5)-(10).
- Photomation, Inc. (formerly Ess Instrument Co.) 8.
- Polytechnic Research & Development Co., Inc. 9.
- Polytronics Co. (8).
- RCA Victor Co. Ltd. (6).
- R-O-R Associates Ltd. 10.
- Radiometer 7.
- Radionics Ltd. 1-3-4-5-6-8-9-10.
- Radio Trade Supply Ltd. 1.
- Rank Cintel Ltd. 6.
- Raytheon Canada Ltd. (2).
- Research Instrumentation Ltd. (2).
- Servo Corp. of America 3.
- Siemens Edison Swan (Canada) Ltd. 1-5-8-10.
- Sinclair Radio Labs. Ltd. (1)-(9).
- Smyth Electronic Components Ltd. 1.
- Sorensen & Co. Inc. 4.
- T.M.C. (Canada) Ltd. (9).
- Tatnal Measuring and Nuclear Systems 4-6.
- Tecneek Associates 5-7-8.
- Tel-Instrument Electronics Corp. 10.
- Telonic Engineering Corp. 1.
- Telonic Industries, Inc. 1.
- Titania Electric Corp. of Canada Ltd. 4.
- Transonic Ltd. (4)-(10).
- Triad Instruments & Controls Ltd. (7).
- Vector Labs. Inc. (2)-(7)-(8).
- Veeco Vacuum Corp. 5.
- Waterloo Electronics Supply Co. Ltd. 1.
- Westbury Electronics (Canada) Ltd. 1.
- Westbury Electronics, Inc. 3.
- Wholesale Radio & Electronics Ltd. 1.

### Dial Crystals

#### Dial Crystals ..... 1

- Alpha Aracon Radio Co. Ltd. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Electro Sonic Supply Co. Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Western Agencies Ltd. 1.

### Dial Lights

#### Dial Lights ..... 1

- Aeronautical Electric Co. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Associated Electronic Components Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Aviation Electric Pacific Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Brian Engineering Ltd. 1.
- Bulglin & Co. Ltd., A. F. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Westinghouse Co. Ltd., Lamp Div. (1).
- Chicago Miniature Lamp Works 1.
- Cohen Ltd., William 1.
- Cords (Canada) Ltd. (1).
- Crawford Radio, The 1.
- Desklin Sales Co., A. 1.
- Drake Manufacturing Co. 1.
- Eagle Electric Mfg. Co. Inc. 1.
- Electro Sonic Supply Co. Ltd. 1.
- General Cement Mfg. Co. — Div. of Tectron Inc. 1.
- Hackbusch Electronics Ltd. 1.
- Johnson Co., E. F. 1.
- Kulka Electric Corp. 1.
- Lake Engineering Co. Ltd. 1.
- Leonard Electric Ltd. 1.
- Lomas, E. G. 1.
- Marco Industries Co. 1.
- Micarta Fabricators Ltd. (1).
- Oki & Willadsen Ltd. 1.
- Oxford Components, Div. Oxford Electric Corp. 1.
- Payette Radio Ltd. 1.
- Pfeiffer Electronic Laboratories 1.
- Pitt Distributing Co. Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Simmonds & Sons Ltd., A. C. (1).
- United-Carr Fastener Co. of Canada Ltd. (1).
- Varah Ltd., L. A. 1.
- Walco Electronics Mfg. Co. — Div. of Tectron Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Whittaker, E. E. 1.
- Wholesale Radio & Electronics Ltd. 1.

### Dials

#### Instrument ..... 1 Precision ..... 2

- Alpha Aracon Radio Co. Ltd. 1-2.
- Amphenol-Borg Electronics Corp., Borg Equipment Div. 1-2.
- Atlas Radio Corp. Ltd. 1.
- Aviation Electric Ltd. (1)-(2).
- Bach-Simpson Ltd. (1)-(2).
- Ball Associates, C. A. (1).
- Beacons Optical & Precision Materials Co. Ltd. (B O P Ltd.) (2).
- Beckman Instruments Inc. (1)-(2).
- Beckman Instruments, Inc., Helipot Div. 1-2.
- Bern and Company Ltd., Lee 1.
- Brady Co. of Canada Ltd., W. H. (1)-(2).
- Canadian Applied Research Ltd. (1)-(2).
- Canadian Charts & Supplies Ltd. (1)-(2).
- Canadian Electrical Supply Co. Ltd. 1-2.
- Canadian Electronics Ltd. 1-2.
- Canadian Research Institute (1)-(2).
- Constellation Components Co. 1-2.
- Conway Electronic Enterprises Reg'd 1-2.
- Crawford Radio, The 1.
- Electromechanical Products 2.

- Electro Sonic Supply Co. Ltd. 1.
- Erie Resistor Corp. 1.
- French Sales Ltd., Phillip 1-2.
- General Radio Co. (Canadian Branch Office) (2).
- General Radio Co. 1-2.
- Gray Ltd., H. Roy 1-2.
- Hathaway, Kraemer Ltd. (1).
- Honeywell Controls Ltd. (1).
- IRC Resistors, Div. of Renfrew Electric Co. Ltd. (2).
- Ingraham Canadian Clock Co. Ltd. (1).
- International Resistance Co. 2.
- Johnson Co., E. F. 1-2.
- Oki & Willadsen Ltd. (1)-(2).
- Painton & Co. Ltd. 1.
- Payette Radio Ltd. 1-2.
- Pfeiffer Electronic Laboratories 1.
- Pic Design Corp. 1-2.
- Precision Dials Ltd. (1)-(2).
- Prince and Roberts 2.
- Radelin Ltd. 1-2.
- Radio Trade Supply Ltd. 1.
- Reeves Instruments Corp. 2.
- Servomechanisms (Canada) Ltd. 2.
- Sifam Electrical Instrument Co. Ltd. 1.
- Simmonds & Sons Ltd., A. C. (2).
- Spectrol Electronics Corp. 1-2.
- Sperry Gyroscope Co. of Canada Ltd. (1).
- Taylor Instrument Cos. of Canada Ltd. (1).
- Theta Instrument Corp. 1-2.
- United States Radium Corp. 1-2.
- Varah Ltd., L. A. 1-2.
- Wadom Electronics Inc. 1-2.
- Waterloo Electronics Supply Co. Ltd. 1-2.
- Whittaker, E. E. 1-2.
- Wholesale Radio & Electronics Ltd. 1-2.

## Diathermy Accessories

### Diathermy Accessories ..... 1

- Barvic Engineering Ltd. 1.
- Birnbach Radio Co., Inc. 1.
- Canadian Research Institute (1).
- Conway Electronic Enterprises Reg'd 1.
- Electro Sonic Supply Co. Ltd. 1.
- Raytheon Canada Ltd. (1).

## Dies

### Dies ..... 1

- Acromark Co., The 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Amaton Electronic Hardware Co. 1.
- Aviation Electric Ltd. (1).
- Best Co., John (1).
- Etlin Co. Ltd., H. B. (1).
- Hope Machinery Co. 1.
- I.E. Manufacturing 1.
- Ingraham Canadian Clock Co. Ltd. (1).
- Kerr-Machin Associates 1.
- Landsverk Electrometer Co. 1.
- Mohawk Business Machines Corp. 1.
- Moore Bros. Machinery Co. Ltd. 1.
- Tasso Agencies, Emile 1.
- Tenatronics Ltd. (1).

## Diodes

- Germanium ..... 1
- Microwave Mixer ..... 2
- Selenium ..... 3
- Silicon ..... 4

- Abbey Electronics Ltd. 4.
- Active Radio & TV Ltd. 1.
- Adams Engineering Ltd. 1-4.
- Aeromotive Engineering Products Ltd. 4.
- Ahearn and Soper Co. Ltd. 1-2-3-4.
- Alpha Aracon Radio Co. Ltd. 1-2-3-4.
- Amperex Electronic Corp. 1-4.
- Armstrong Ltd., A. T. R. (4).
- Associated Electrical Industries (Canada) Ltd. (1)-(4).
- Associated Electronic Components Ltd. 4.
- Atlas Radio Corp. Ltd. 1-3-4.
- Bendix Aviation Corp. 1-4.
- Bern and Company Ltd., Lee 1-3-4.
- Bomac Laboratories, Inc. 4.
- CBS Electronics, A Div. of Columbia Broadcasting System, Inc. 1-4.
- Canadian Electrical Supply Co. Ltd. 1-3-4.
- Canadian Electronics Ltd. 1-3-4.

- Canadian Line Materials (3).
- Canadian Marconi Co., Electronic Tube & Components Div. 1-2-3-4.
- Canadian Westinghouse Co. Ltd., Electronic Tube Div. 1-2-3-4.
- Clark Ltd., Alex L. 4.
- Cleveite Transistor Products 1-4.
- Conway Electronic Enterprises Reg'd 1-2-3-4.
- Cornell-Dubilier Electric Corp. 1.
- Crawford Radio, The 1-3-4.
- Desser E-E Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1-2-3-4.
- English Electric Valve Co. Ltd. 1.
- Erie Resistor Corp. 1.
- Finney Co., The 1-4.
- General Transistor Corp. 1.
- Glendon Co. Ltd., The 1-4.
- Hackbusch Electronics Ltd. 1-2-3-4.
- Hughes Products 1-4.
- Hughes Products/Semiconductor Div., Hughes Aircraft Co. 1-4.
- IRC Resistors, Div. of Renfrew Electric Co. Ltd. (3).
- Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd. 3.
- International Rectifier of Canada Ltd. (3)-(4).
- International Rectifier Corp. 3-4.
- International Resistance Co. 3.
- International Telephone & Telegraph Corp. Components Div. 3-4.
- Kemtron Electron Products Inc. 1-2-4.
- Lake Engineering Co. Ltd. 1-2-3-4.
- Lansdale Tube Co., Div. of Philco Corp. 1-2-4.
- Lomas, E. G. 2-4.
- MEL Sales Ltd. 2.
- McVity & Co., J. R. G. (4).
- Microwave Associates, Inc. 2-4.
- Mitchell Electronics, J. C. E. 1-2-3-4.
- Narda Microwave Corp., The 2.
- Ohmite Mfg. Co. 1.
- Pacific Semiconductors, Inc. 4.
- Payette Radio Ltd. 1-3-4.
- Pointon Ltd., Charles W. 1.
- R-O-R Associates Ltd. 1-2-4.
- Radionics Ltd. 8.
- Radio Receptor Co., Inc., Sub-General Instrument Corp. 1-3-4.
- Radio Trade Supply Ltd. 1-3-4.
- Randall (Canada) Ltd., Douglas 4.
- Raytheon Canada Ltd. (1)-(2)-(3)-(4).
- Robinson Co., C. M. 1-4.
- Rogers Electronic Tubes & Components (1)-(2)-(4).
- Semi-Elements, Inc. 1-4.
- Siemens Edison Swan (Canada) Ltd. 1-4.
- Simmonds & Sons Ltd., A. C. (1).
- Smyth Electronic Components Ltd. 1-3.
- Sperry Gyroscope Co. of Canada Ltd. 4.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1-3-4.
- Sylvania Electric (Canada) Ltd. 1-2-3-4.
- Syntron (Canada) Ltd. (3)-(4).
- Taylor-Leslie Mining & Engineering Corp. Ltd. 1-(4).
- Tequipment Mfg. Co. Ltd. 1-3-4.
- Tenatronics Ltd. 3-4.
- Texas Instruments Incorporated 4.
- Texas Instruments Incorporated, Semiconductor-Components Div. 4.
- Thompson Ltd., Chas. L. 1-4.
- Tilton Ltd., John R. 1-2-3-4.
- Transco Products, Inc. 2.
- Varah Ltd., L. A. 1-2-3-4.
- Waterloo Electronics Supply Co. Ltd. 1-3-4.
- Western Agencies Ltd. 1-3-4.
- Whittaker, E. E. 4.
- Wholesale Radio & Electronics Ltd. 1-2-3-4.

## Diplexers

### Diplexers ..... 1

- Aircorn Inc. 1.
- Airtron Canada Ltd. (1).
- Airtron Inc., A Div. of Litton Industries 1.
- Alford Manufacturing Co. 1.

- Andrew Antenna Corp. Ltd. (1).
- Astral Electric Co., Ltd. 1.
- Automatic Telephone & Electric Co. Ltd. 1.
- Blonder-Tongue Laboratories, Inc. 1.
- Bomac Laboratories, Inc. 1.
- Brown Boveri (Canada) Ltd. (1).
- Budelman Electronics Corp. 1.
- Collins Radio Co. of Canada Ltd. (1).
- Dayrand Ltd. 1.
- Delta Aircraft Equipment Ltd. 1.
- Douglas Microwave Co., Inc. 1.
- FXR Inc. 1.
- Frequency Standards 1.
- Hermes Electronics Co. (New name for Hycon-Eastern Inc.) 1.
- JFD Electronics Corp. 1.
- Kaar Engineering Corp. 1.
- Microwave Systems 1.
- Mitchell Electronics, J. C. E. 1.
- Pacific Communications Services Ltd. 1.
- RCA Victor Co. Ltd. (1).
- Sinclair Radio Labs. (1).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Tele-Radio Systems Ltd. 1.
- Transco Products, Inc. 1.

## Direction Finders

### Direction Finders ..... 1

- Ahearn and Soper Co. Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Aviation Electric Ltd. 1.
- Aviation Electric Pacific Ltd. 1.
- Beacons Optical & Precision Materials Co. Ltd. (B O P Ltd.) (1).
- Bowmar Instrument Corp. 1.
- Canadian Marconi Co. (1).
- Canadian Marconi Co., Electronic Tube & Components Div. 1.
- Collins Radio Co. of Canada Ltd. (1).
- Control Electronics Co., Inc. 1.
- Daystrom, Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Hart Electronics Ltd. 1.
- MEL Sales Ltd. 1.
- Marconi's Wireless Telegraph Co. Ltd. 1.
- National Radio Co. Inc. 1.
- RCA Victor Co. Ltd. (1).
- Railway & Power Engineering Corp. Ltd. 1.
- Raytheon Canada Ltd. (1).
- Servo Corp. of America 1.
- Sonar Radio Corp. 1.
- Sperry Gyroscope Co. of Canada Ltd. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Tele-Radio Systems Ltd. 1.
- Tilton Ltd., John R. 1.

## Discs, Blank Recording

### Discs, Blank Recording ..... 1

- Alpha Aracon Radio Co. Ltd. 1.
- Armstrong Ltd., A. T. R. (1).
- Audio Devices, Inc. 1.
- Bern and Company Ltd., Lee 1.
- Bogen-Fresto Co. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Clark Ltd., Alex L. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Merritt Co., Ron 1.
- Payette Radio Ltd. 1.
- Pointon Ltd., Charles W. 1.
- Texas Instruments Incorporated 1.
- Thompson Ltd., Chas. L. 1.
- Tilton Ltd., John R. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Dividers, Voltage

### Dividers, Voltage ..... 1

- Bach-Simpson Ltd. 1.
- Canadian Electronics Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Crawford Radio, The 1.
- Daystrom, Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. 1.
- General Instruments, Inc. 1.
- Electro Sonic Supply Co. Ltd. 1.
- General Radio Co. (Canadian Branch Office) (1).
- General Radio Co. 1.
- Glendon Instrument Co. Ltd., The 1.

- Helipot Div. of Beckman Instruments Inc. (1).
- Herring & Co. Ltd., John 1.
- Industrial Instruments, Inc. 1.
- Kelvin Electric Co. 1.
- Micafil Ltd. 1.
- Muirhead Instruments Ltd. (1).
- Muirhead & Co. Ltd. 1.
- Ohmite Mfg. Co. 1.
- Payette Radio Ltd. 1.
- Philbrick Researches, Inc., George A. 1.
- Polytronics Co. (1).
- R-O-R Associates Ltd. 1.
- Radionics Ltd. 1.
- Rinco, Inc. 1.
- Shallcross Mfg. Co. 1.
- Smith Ltd., Irving 1.
- Thompson Ltd., Chas. L. 1.
- Tinsley Instruments (Canada) Ltd. (1).
- Waterloo Electronics Supply Co. Ltd. 1.
- Whittaker, E. E. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Dosimeters

### Dosimeters ..... 1

- Ahearn and Soper Company Ltd. 1.
- ARVA Inc. (1).
- Baird-Atomic, Inc. 1.
- Baldwin Industrial Controls 1.
- Beckman Instruments Inc. (1).
- Canadian Research Institute 1.
- Computing Devices of Canada Ltd. (1).
- Conway Electronic Enterprises Reg'd 1.
- Crawford Associates, Allan 1.
- E.M.I.-Cossor Electronics Ltd. 1.
- Electrodesign 1.
- Electromechanical Products 1.
- Ferranti Packard Electric Ltd. 1.
- Fleming Radio (Developments) Ltd. 1.
- Glendon Instrument Co. Ltd., The 1.
- Landsverk Electrometer Co. 1.
- Mechtron Engineering Products Ltd. 1.
- Murphy Radio Ltd. 1.
- Nuclear-Chicago Corp. 1.
- Phillips Electronics Industries Ltd. (1).
- Radionics Ltd. 1.
- Rank Cintel Ltd. 1.
- Scott & Co. (Electrical Engineers) Ltd., James 1.

## Duplexers, Microwave

### Duplexers, Microwave ..... 1

- Ahearn and Soper Company Ltd. 1.
- Aircorn Inc. 1.
- Airtron Canada Ltd. (1).
- Airtron Inc., A Div. of Litton Industries 1.
- Andrew Antenna Corp. Ltd. (1).
- Beacons Optical & Precision Materials Co. Ltd. (B O P Ltd.) 1.
- Bomac Laboratories, Inc. 1.
- Brown Boveri (Canada) Ltd. (1).
- Budelman Electronics Corp. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Canadian Marconi Co. (1).
- Canadian Motorola Electronics Ltd. (1).
- Canadian Westinghouse Co. Ltd. (1).
- Central Electronic Manufacturers 1.
- Collins Radio Co. of Canada Ltd. (1).
- Dayrand Ltd. 1.
- Delta Aircraft Equipment Ltd. 1.
- Douglas Microwave Co., Inc. 1.
- FXR Inc. 1.
- Kennedy & Co., D. S. 1.
- Lomas, E. G. 1.
- MEL Sales Ltd. 1.
- Microwave Associates, Inc. 1.
- Microwave Systems 1.
- Mitchell Electronics, J. C. E. 1.
- Narda Microwave Corp., The 1.
- Philco Corp. of Canada Ltd. 1.
- RCA Victor Co. Ltd. (1).
- R-O-R Associates Ltd. 1.
- Radionics Ltd. 1.
- Sinclair Radio Labs. Ltd. (1).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Telerad Mfg. Corp. 1.
- Tele-Radio Systems Ltd. 1.
- Varian Associates of Canada Ltd. (1).

## Electrocardiographs

### Electrocardiographs ..... 1

- Atlas-Werke AG 1.
- Cambridge Instrument Co., Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Electronic Associates Ltd. (1).
- Electrodesign 1.
- Levinthal Electronic Products, Inc. 1.
- Philips Electronics Industries Ltd. (1).
- Raytheon Canada Ltd. (1).
- S.I.D.A.M. Ltd. 1.
- Sanborn Company 1.
- Siemens Edison Swan (Canada) Ltd. 1.
- Tenatronics Ltd. 1.
- Wickman Ltd., A. C. 1.

## Electroencephalographs

### Electroencephalographs ..... 1

- Barvic Engineering Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Electrodesign 1.
- Electronic Associates Ltd. (1).
- Levinthal Electronic Products, Inc. 1.
- S.I.D.A.M. Ltd. 1.
- Sanborn Company 1.
- Siemens Edison Swan (Canada) Ltd. 1.
- Tenatronics Ltd. 1.
- Wickman Ltd., A. C. 1.

## Electrometers

### Electrometers ..... 1

- Baldwin Industrial Controls 1.
- Barber-Colman of Canada Ltd. (1).
- Beckman Instruments Inc. (1).
- Cambridge Instrument Co., Ltd. 1.
- Canadian Research Institute (1).
- Conway Electronic Enterprises Reg'd 1.
- Curtiss Wright Corp. — Electronics Div. 1.
- Electrodesign 1.
- Electrolabs 1.
- Ellis Industries, The J. W. 1.
- General Radio Co. (Canadian Branch Office) (1).
- General Radio Co. 1.
- Glendon Instrument Co. Ltd., The 1.
- Landsverk Electrometer Co. 1.
- Nichols Ltd., R. H. 1.
- Nuclear-Chicago Corp. 1.
- Radionics Ltd. 1.
- Smith Ltd., Irving 1.

## Electro-Surgical Equipment

### Electro-Surgical Equipment 1

- American Electronic Laboratories, Inc. 1.
- Barvic Engineering Ltd. 1.
- Beckman Instruments Inc. (1).
- Canadian Research Institute (1).
- Chicago Miniature Lamp Works 1.
- Electrodesign 1.
- E.M.I. Electronics Ltd. 1.
- Kelvin & Hughes (Canada) Ltd. 1.
- Levinthal Electronic Products, Inc. 1.
- MEL Sales Ltd. 1.
- Measurement Engineering Ltd. (1).
- Mechron Engineering Products Ltd. 1.
- Multitone of Canada Ltd. (1).
- Murphy Radio Ltd. 1.
- Rosemount Engineering Company 1.
- S.I.D.A.M. Ltd. 1.
- Tenatronics Ltd. 1.
- Titanla Electric Corp. of Canada Ltd. 1.

## Elements

### Heating ..... 1 Heating Crystal Oven ..... 2

- Associated Electronic Components Ltd. 1.
- Astral Electric Co., Ltd. 1.
- Ball Associates, C. A. (1).
- Blue M. Electric Co. 1.
- Buckland Co., Robert J. 2.
- Bulova Watch Co., Electronics Div. 2.

- Canadian Chromalox Co. Ltd. (1).

- Canadian Marconi Co., Electronic Tube & Components Div. 1.
- Conway Electronic Enterprises Reg'd 2.
- Eagle Electric Mfg. Co. Inc. 1.
- Electrodesign 1-2.
- Electro Sonic Supply Co. Ltd. 2.
- Fisher Scientific Co. Ltd. 1.
- Garrett Mfg. Corp. of Canada, Ltd., The 1-2.
- Hackbusch Electronics Ltd. 2.
- Hayes, Inc., C. I. 1.
- Manis Associates Reg'd, Ben (2).
- Payette Radio Ltd. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Safety Heat Elements, Inc. 1.
- Smith Ltd., Irving 1-2.
- Stanwyck Coil Products Ltd. (1).
- T.M.C. (Canada) Ltd. 2.
- Ungar Electric Tool Co. of Canada (1).
- Varah Ltd., L. A. 2.
- Wall Mfg. Co., P. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.

## Encapsulation Services

### Encapsulation Services ..... 1

- Avionics Ltd. (1).
- CBC Electronics Co., Inc. 1.
- C.G. Electronics Corp. 1.
- Canadian Applied Research Ltd. (1).
- Cannon Electric Canada Ltd. (1).
- Centronix Inc. 1.
- Clarostat Mfg. Co., Inc. 1.
- Consolidated Electronic Equipment Co. Ltd. (1).
- Cords (Canada) Ltd. (1).
- Dale Products, Inc. 1.
- E.M.I. Electronics Ltd. 1.
- ESC Corp. 1.
- Edwards High Vacuum (Canada) Ltd. (1).
- Emerson & Cuming, Inc. 1.
- Hammond Mfg. Co. Ltd. (1).
- Herring & Co. Ltd., John 1.
- Howard & Co. Ltd., M. J. 1.
- Hughes Products 1.
- Hull Corp. 1.
- Hummel, William M. 1.
- Hysol (Canada) Ltd. (1).
- Lake Engineering Co. Ltd. 1.
- Langham Thompson Ltd., J. 1.
- Murphy Radio Ltd. 1.
- New York Coll Co. 1.
- Norrish Plastics Corp., Div. Norrish Screw Machine Products 1.
- Scott & Co. (Electrical Engineers) Ltd., James 1.
- Tatnall Measuring and Nuclear Systems 1.
- Whiteley Electrical Radio Co. Ltd. 1.

## Engraving and Profiling Services

### Engraving and Profiling Services ..... 1

- Avtek Systems Engineering Ltd. (1).
- Bayly Engineering Ltd. (1).
- Canadian Charts & Supplies Ltd. (1).
- Canadian Research Institute (1).
- Empire Engineering Co. (1).
- Engelhard Industries of Canada Ltd. (1).
- Hathaway, Kraemer Ltd. (1).
- MacQuarrie Sales, J. J. 1.
- New Hermes Engraving Machine Corp. 1.
- Nichols Ltd., R. H. (1).
- Okl & Willadsen Ltd. (1).
- Powertron Equipment Ltd. (1).
- Precision Metal Products Co. 1.
- Trimmm, Inc. 1.

## Environmental Test Equipment

### Environmental Test Equipment ..... 1

- Beechey Enterprises 1.
- Cincinnati Sub Zero Products 1.
- Conrad Inc. 1.
- Goodmans Industries Ltd. 1.
- International Radiant Corp. 1.
- Tenney Engineering, Inc. 1.

## Eyelets

### Eyelets ..... 1

- Airflite Components Co. 1.
- Amatom Electronic Hardware Co. 1.
- Burgess, Norris 1.
- Cambridge Thermionic of Canada, Ltd. (1).
- Cords (Canada) Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Lomas, E. G. 1.
- United-Carr Fastener Co. of Canada Ltd. (1).
- United Shoe Machinery Co. of Canada Ltd. (1).
- Varah Ltd., L. A. 1.
- Waterbury Pressed Metal Co., The 1.
- Western Agencies Ltd. 1.

## Faceplates

### Faceplates ..... 1

- Avtek Systems Engineering Ltd. (1).
- Brady Co. of Canada Ltd., W. H. (1).
- Canadian Electronics Ltd. 1.
- Consolidated Electronic Equipment Co. Ltd. (1).
- Erie Resistor Corp. 1.
- United States Radium Corp. 1.
- Waldom Electronics Inc. 1.

## Fasteners

### Fasteners ..... 1

- A.P.M. Corp. (Automatic & Precision Mfg. Corp.) 1.
- Aeromotive Engineering Products Ltd. 1.
- Airflite Components Co. 1.
- Amatom Electronic Hardware Co. 1.
- Armstrong Ltd., A. T. R. 1.
- Bern and Company Ltd., Lee 1.
- Campbell & Co. Ltd., A. J. 1.
- Canadian Electronics Ltd. 1.
- Dimco-Gray Co. 1.
- Dominion Fasteners, Ltd. (1).
- Dzus Fastener Company, Inc. 1.
- Elastic Stop Nut Corp. of America 1.
- Foster & Sons Ltd., Anthony 1.
- French Sales Ltd., Philip 1.
- Harper Co., The H. M. 1.
- Heil-Coll Corp. 1.
- Huck Manufacturing Co. 1.
- IE Manufacturing 1.
- Linread Canada Ltd. (1).
- Lion Fastener Co., South Chester Corp. 1.
- Metal & Wood Fastening Devices Co. 1.
- Palnut Co., The 1.
- Radio Trade Supply Ltd. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Rawplig Products (Canada) Ltd. (1).
- SIDO Ltd. (1).
- Siemens Edison Swan (Canada) Ltd. 1.
- Simmonds Aeroaccessories, Inc. 1.
- Simmons Fastener Corp. 1.
- Southco Div., South Chester Corp. 1.
- Tinnerman Products, Inc. 1.
- United-Carr Fastener Co. of Canada Ltd. (1).
- United Shoe Machinery Co. of Canada Ltd. (1).
- Waldom Electronics Inc. 1.
- Waterbury Pressed Metal Co., The 1.
- Watkins Co. Ltd., W. R. 1.
- Willard Spenser Co. 1.
- Y.W. Small Parts Ltd. (1).

## Felts

### Felts ..... 1

- Brady Co. of Canada Ltd., W. H. (1).
- Canadian Electronics Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Felters Co., The 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Shamban & Co., W. S. 1.
- Varah Ltd., L. A. 1.

## Ferrites

### Ferrites ..... 1

- Aerovox Canada Ltd. 1.
- Ahearn and Soper Co. Ltd. 1.
- Airtron Canada Ltd. (1).
- Airtron Inc., A Div. of Litton Industries 1.
- Allen-Bradley Canada Ltd. 1.

- Bern and Company Ltd., Lee 1.
- Canadian Stackpole Ltd. (1).
- Collins Radio Co. of Canada Ltd. (1).
- Crucible Steel Co. of America 1.
- Custom Components, Inc. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Ferroxcube Corp. of America 1.
- Fraser Ltd., George M. 1.
- Glendon Co. Ltd., The 1.
- Lake Engineering Co. Ltd. 1.
- Lomas, E. G. 1.
- Magnetic Shield Div. — Perfection Mica Co. 1.
- Microwave Systems 1.
- Mitchell Electronics, J. C. E. 1.
- Plessey Co. of Canada Ltd. (1).
- Polytechnic Research & Development Co., Inc. 1.
- RCA Victor Co. Ltd. (1).
- Raytheon Canada Ltd. (1).
- Rogers Electronic Tubes & Components (1).
- Siemens Edison Swan (Canada) Ltd. 1.
- Sperry Gyroscope Co. of Canada Ltd. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Steward Mfg. Co., D. M. 1.
- Superelex Electronics Corp. 1.
- Sylvania Electric (Canada) Ltd. 1.
- Thompson Ltd., Chas. L. 1.

## Films, Capacitor

### Films, Capacitor ..... 1

- Aerovox Canada Ltd. (1).
- Aircraft-Marine Products of Canada, Ltd. (1).
- Clark & Co. (Manchester) Ltd., H. 1.
- Du Pont of Canada Ltd. 1.
- Electromechanical Products 1.
- Magnetic Shield Div. — Perfection Mica Co. 1.
- Shamban & Co., W. S. 1.
- Telegraph Condenser Co. Ltd., The 1.
- Telegraph Mfg. Co. Ltd. 1.
- Whittaker, E. E. 1.

## Filters

### Antenna ..... 1

- Band Elimination ..... 2
- Band Pass ..... 3
- Continuously Variable ..... 4
- Crystal ..... 5
- High Pass ..... 6
- Lighting (for radio towers) 7
- Low Pass ..... 8
- Microwave ..... 9
- Needle Scratch ..... 10
- Radio Interference ..... 11
- Aerovox Canada Ltd. (11).
- Ahearn and Soper Co. Ltd. 1-3-4-7.
- Airborne Accessories Corp. 11.
- Aircraft Appliances & Equipment Ltd. 1-2-3-6-7-8-9-11.
- Airtron Canada Ltd. (9).
- Airtron Inc., A Div. of Litton Industries 1-2-3-6-8-9.
- Alford Manufacturing Co. 8.
- Allen-Bradley Canada Ltd. 8-11.
- Allison Laboratories, Inc. 2-3-4-8.
- Alpha Aracon Radio Co. Ltd. 1-5-6-8-10-11.
- American Electronics Co. 1-2-3-6-8-11.
- Amphenol Canada Ltd. (1)-(6)-(8)-(11).
- Andrew Antenna Corp. Ltd. (1).
- Astral Electric Co., Ltd. 11.
- Astron Corp. 3-6-8-11.
- Atlas Instrument Corp. Ltd. 3.
- Atlas Radio Corp. Ltd. 1-3-10-11.
- Automatic Telephone & Electric Co. Ltd. 2.
- Baird-Atomic, Inc. 3-11.
- Barron, William T. 3-8-11.
- Bayly Engineering Ltd. (2)-(3)-(6)-(8).
- Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (1)-(6)-(8)-(9).
- Beechey Enterprises 1-3-5-6-7.
- Benco Television Associates Ltd. (1)-(3).
- Bendix Aviation Corp., Bendix-Pacific Div. 3-8-11.
- Bern and Company Ltd., Lee 6-8-10-11.
- Blonder-Tongue Laboratories, Inc. 1-2-3-6-8.
- Bomac Laboratories, Inc. 9.
- Brown Boveri (Canada) Ltd. (1)-(2)-(3)-(4)-(6)-(8)-(9).
- A/S Bruel & Kjaer 3.

- Budelman Electronics Corp. 2-3-6-8.
- Bulova Watch Co., Electronics Div. 2-3-5-6-8.
- Burgess, Norris 6-8-11.
- Burnell & Co., Inc. 1-2-3-5-6-8.
- Cambridge Thermionic of Canada, Ltd. (3).
- Canadian Electrical Supply Co. Ltd. 1-3-6-10-11.
- Canadian Electronics Ltd. 3-4-6-10-11.
- Canadian General Electric Co., Ltd., Electronic Equipment & Tube Dept. 2-5-7-8.
- Canadian Westinghouse Co. Ltd. (9).
- Centralab Div. of Globe Union Inc. 10.
- Chicago Miniature Lamp Works 7.
- Cohen Ltd., William 6-8-11.
- Coil Winders, Inc. 1-2-3-6-8.
- Collins Radio Co. of Canada Ltd. (1)-(3)-(7)-(8)-(9).
- Control Electronics Co., Inc. 2-3.
- Cornell-Dubilier Electric Corp. 1-2-3-6-8-11.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9-10-11.
- Crawford Radio, The 6-8.
- Dayrand Ltd. 1-2-3-4-6-8-9.
- Delta Aircraft Equipment Ltd. 1-2-3-6-9.
- DeMornay-Bonardi, Inc. 3-9.
- Deskin Sales Co., A. 1.
- Domac Technical Sales Ltd. 3.
- Douglas Microwave Co., Inc. 8-9.
- E.M.I.-Cossor Electronics Ltd. 3-4-6-8.
- ESC Corp. 3-6-8.
- Eclipse Electronics Co. (11).
- Electrodesign 2-3-4-6-8.
- Electrolabs 3-6-8.
- Electroline Television Equipment Inc. 1-2-3-6-8-9.
- Electromechanical Products 1.
- Electron Products Co. (A Div. of Preco Inc.) 11.
- Electronic Research & Development Co. Ltd. (1)-(2)-(3)-(7)-(8).
- Electro Sonic Supply Co. Ltd. 1-2-3-5-6-7-8-10-11.
- Empire Devices Products Corp. 2-3-8-9.
- Epsco, Inc. 3-6-8.
- Ericsson Telephone Sales of Canada Ltd. (3)-(6)-(8).
- Erie Resistor of Canada Ltd. (8).
- FXR Inc. 1-2-3-4-6-9.
- Filtrom Company, Inc. 8-11.
- Frequency Standards 1-2-3-6-8-9.
- Garrett Mfg. Corp. of Canada, Ltd., The (1).
- General Instrument — F. W. Sickles of Canada Ltd. (1)-(2)-(3).
- General Radio Co. (Canadian Branch Office) (6)-(8).
- General Radio Co. 2-6-8.
- Gould Sales Co., E. S. 2-3-6-8-11.
- Hackbusch Electronics Ltd. 2-3-5-6-8.
- Hammond Mfg. Co. Ltd. (8).
- Hermes Electronics Co. (New name for Hycon-Eastern Inc.) 2-3-5.
- Hewlett-Packard Co. 9.
- Howard & Co. Ltd., M. J. 3-6-8-11.
- Hughes Products 5.
- Hughes & Phillips, Inc. 7.
- Industrial Development Engineering Associates, Inc. 6.
- JFD Electronics Corp. 1-2-3-4-6-8-11.
- Jerrold Electronics (Canada) Ltd. (3)-(4).
- Johnson Co., E. F. 1-7-8.
- Kelvin Electric Co. 2-3-6-8.
- Kennedy & Co., D. S. 2-3-6-8-9.
- Kidde & Co. of Canada Ltd., Walter (6)-(8).
- Lake Engineering Co. Ltd. 2-3-5-6-8.
- Lenkurt Electric Co. of Canada Ltd. (2)-(3)-(5)-(6)-(8)-(9).
- Librascope, Inc. 1.
- Lomas, E. G. 3-9.
- Lynch Carrier Systems Inc. 2-3-5-6-8.
- MEL Sales Ltd. 1-2-3-4-6-8-9.
- Mack Co. Ltd., R. 8.
- MacQuarrie Sales, J. J. 2-3-6-8.
- McIntyre Agencies 11.
- Measurement Engineering Ltd. (3).
- Merritt Co., Ron 1-2-11.

- Micarta Fabricators Ltd. (6)-(8)-(11).
- Microwave Systems 2-3-6-8-9.
- Mitchell Electronics, J. C. E. 9.
- Narda Microwave Corp., The 3-6-8-9.
- National Sound Services Ltd. 2-3-6-8.
- Northern Radio Mfg. Co. Ltd. (2)-(3).
- Parsons Co., The Ralph M. — Electronics Div. 3.
- Payette Radio Ltd. 5-6-11.
- Pointon Ltd., Charles W. 1-2-3-11.
- Polarad Electronics Corp. 9.
- Polyphase Instrument Co. 2-3-6-8.
- Polytechnic Research & Development Co., Inc. 9.
- RCA Victor Co. Ltd. (1)-(2)-(3)-(7)-(9).
- R-O-R Associates Ltd. 5.
- Radio Engineering Products (2)-(3)-(6)-(8).
- Radionics Ltd. 3-9.
- Radio Trade Supply Ltd. 1-2-3-4-6-8-10-11.
- Rank Cintel Ltd. 3-6-8.
- Robinson Co., C. M. 11.
- Rogers Electronic Tubes & Components (1)-(2)-(3)-(4)-(5)-(6)-(8).
- Rutherford Agencies 11.
- Sinclair Radio Labs. Ltd. (1)-(2)-(3)-(4)-(6)-(7)-(8)-(9)-(11).
- Snelgrove Co. Ltd., C. R. (5).
- Sonar Radio Corp. 8.
- Spencer-Kennedy Laboratories, Inc. 1-2-3-4-6-8.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 2-3-6-8-9-11.
- Standard Television Products Ltd. (3)-(6)-(10).
- Stratton & Co. Ltd. 11.
- Suprex Electronics Corp. 1-6-8-11.
- T.M.C. (Canada) Ltd. (1)-(2)-(3)-(5)-(6)-(8).
- Tech Laboratories, Inc. 5.
- Telerad Mfg. Corp. 9.
- Tele-Radio Systems Ltd. 1-2-3-6-8-9.
- Telonic Engineering Corp. 2-3-6-8-9.
- Telonic Industries, Inc. 3-6-8.
- Tenatronics Ltd. 6-8.
- Thompson Ltd., Chas. L. 11.
- Titania Electric Corp. of Canada Ltd. 3.
- Tilton Ltd., John R. 11.
- Triad Instruments & Controls Ltd. (3)-(6)-(8).
- Varah Ltd., L. A. 1-4-11.
- Waterloo Electronics Supply Co. Ltd. 5-8-11.
- Westbury Electronics (Canada) Ltd. 1-3.
- Westbury Electronics, Inc. 6-8.
- Western Agencies Ltd. 1-2-3-4-5-6-8-10-11.
- Whittaker, E. E. 3-4-6-8.
- Wholesale Radio & Electronics Ltd. 1-3-5-6-8-10-11.
- Wind Turbine Co. of Canada Ltd., The (1)-(7).

### Flux, Brazing and Soldering

- Active Radio & TV Ltd. 1.
- All-State Welding Alloys of Canada Ltd. (1).
- Bern and Company Ltd., Lee 1.
- Blackstone Corp. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Industries Ltd. (1).
- Canadian Liquid Air Co. (1).
- Canavia Engineering & Sales Co. 1.
- Eagle Electric Mfg. Co. Inc. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Electrovert Ltd. 1.
- Engelhard Industries of Canada Ltd. (1).
- Found Bros. Aviation Ltd. (1).
- Gulley Co. Ltd. 1.
- Handy & Harman of Canada Ltd. (1).
- Johnson Mfg. Co., Inc. 1.
- Johnson Matthey & Mallory Ltd. (1).
- Kester Solder Co. of Canada Ltd. (1).
- Linde Co., Div. of Union Carbide Canada Ltd. (1).
- Microwave Systems 1.
- Moore Bros. Machinery Co. Ltd. 1.
- Payette Radio Ltd. 1.

- Perdeck Solder Products Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Ross & Sons Ltd., Frank T. 1.
- Western Agencies Ltd. 1.

### Fluxmeters

- Ahearn and Soper Co. Ltd. 1.
- Bayly Engineering Ltd. (1).
- Cambridge Instrument Co. Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Daystrom, Ltd. 1.
- Ellis Industries, The J. W. 1.
- P. Gossen & Co. G.m.b.H. 1.
- MEL Sales Ltd. 1.
- Nichols Ltd., R. H. 1.
- Ruhrstrat, Gebr. 1.
- Tecneek Associates 1.

### Forks, Electrically Driven Tuning

- American Time Products, Inc. 1.
- Bepco Canada Ltd. (1).
- Conway Electronic Enterprises Reg'd 1.
- Garrett Mfg. Corp. of Canada, Ltd., The (1).
- General Radio Co. (Canadian Branch Office) (1).
- General Radio Co. 1.
- Industrial Test Equipment Co. 1.
- Lomas, E. G. 1.
- MEL Sales Ltd. 1.
- Microwave Systems 1.
- Muirhead Instruments Ltd. 1.
- Muirhead & Co. Ltd. 1.
- Nichols Ltd., R. H. 1.
- S.I.D.A.M. Ltd. 1.
- Tinsley Instruments (Canada) Ltd. (1).
- Willard Spenser Co. 1.

### Forms

- Alpha Aracon Radio Co. Ltd. 1.
- Andersen & Co. Ltd., A. A. 1.
- Associated Electronic Components Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Cambridge Thermionic of Canada, Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1-2.
- Canadian Marconi Co., Electronic Tube & Components Div. 1.
- Canadian Stackpole Ltd. (2).
- Clarke & Co. (Manchester) Ltd., H. 1.
- Continental-Diamond Fibre of Canada Ltd. (1).
- Crawford Radio, The 1.
- Electro Sonic Supply Co. Ltd. 1.
- Emerson Plastics Corp. 1-2.
- Garde Manufacturing Co. 1.
- Glendon Co. Ltd., The 1.
- Gould Sales Co., E. S. 1.
- Grayhill, Inc. 1.
- Howard & Co. Ltd., M. J. 1.
- Hummel, William M. 1-2.
- Johnson Co., E. F. 1.
- Kerr-Machin Associates 1-2.
- National Fibre Co. of Canada Ltd. (1).
- National Radio Co. Inc. 1.
- Neosid (Canada) Ltd. (1).
- Norrish Plastics Corp., Div. Norrich Screw Machine Products 1-2.
- Oki & Willadsen Ltd. (1).
- Payette Radio Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Spaulding Fibre of Canada Ltd. (1).
- Stanwyck Coil Products Ltd. (1).
- Steward Mfg. Co., D. M. 1-2.
- Suprex Electronics Corp. 1.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Whiteley Electrical Radio Co. Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

### Frequency Calibration Services

- Bayly Engineering Ltd. (1).
- Canadian Aviation Electronics Ltd. (1).
- Canadian Research Institute (1).
- Conway Electronic Enterprises Reg'd 1.
- Frequency Standards 1.
- MEL Sales Ltd. 1.
- Polytron Research & Development Co., Inc. 1.
- R-O-R Associates Ltd. 1.
- Snelgrove Co. Ltd., C. R. (1).
- Vector Labs. Inc. (1).

### Furnaces

- Alpha Aracon Radio Co. Ltd. 1.
- Associated Electrical Industries (Canada) Ltd. (1).
- Blue M Electric Co. 1.
- Boyd Ltd., Winnett 3.
- Brown Boveri (Canada) Ltd. (1)-(2).
- Catterton-Smith Ltd., R. M. 1.
- Conway Electronic Enterprises Reg'd 1.
- Despatch Oven Co. 1.
- Dominion Electrohome Industries Ltd. 2.
- Edwards High Vacuum (Canada) Ltd. (3).
- Elder Electronics 2.
- Fisher Scientific Co. Ltd. 1-2.
- Hayes, Inc., C. I. 1-3.
- Higginson Equipment Sales Ltd. 1-3.
- Hull Corp. 3.
- Industron Corp. 2.
- International Radiant Corp. 3.
- Kinney Mfg. Div., The New York Air Brake Co. 3.
- Lindberg Engineering Co. 1-2-3.
- Moore Bros. Machinery Co. Ltd. 1.
- NRC Equipment Corp. 3.
- Ohio Crankshaft Co., The — Tocco Div. 2.
- Peacock Brothers Ltd. 1.
- Philips Electronics Industries Ltd. (2)-(3).
- Powertronic Equipment Ltd. (2).
- Reeve Electronics, Inc. 2.
- Ruhrstrat, Gebr. 1-3.
- S.I.D.A.M. Ltd. 1.
- Tecneek Associates 1-3.
- Thermovolt Instruments Ltd. 1.

### Fuse Holders

- Accurate Electronics Corp. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Amatom Electronic Hardware Co. 1.
- Associated Electronic Components Ltd. 1.
- Astral Electric Co., Ltd. 1.
- Automatic Telephone & Electric Co. Ltd. 1.
- Barvic Engineering Ltd. 1.
- Belling & Lee Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Birnback Radio Co., Inc. 1.
- Bulgin & Co. Ltd., A. F. 1.
- Burgess, Norris 1.
- Bussmann Mfg. Div., McGraw-Edison Co. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Cinch Manufacturing Co. 1.
- Cohen Ltd., William 1.
- Crawford Radio, The 1.
- Desser E-E Ltd. 1.
- Eagle Electric Mfg. Co. Inc. 1.
- Electrolabs 1.
- Electronic Components Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1.
- English Electric Co. Ltd., The 1.
- Garde Manufacturing Co. 1.
- Gould Sales Co., E. S. 1.
- Great Lakes Electrical Specialties Ltd. 1.
- Hummel, William M. 1.
- Isco of Canada Ltd. (1).
- Industrial Electronic Hardware Mfg. Co. 1.
- Kulka Electric Corp. 1.
- Payette Radio Ltd. 1.
- Pfeiffer Electronic Laboratories 1.
- Pitt Distributing Co. Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Raytheon Canada Ltd. (1).
- Smith Ltd., Irving 1.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.



- White Radio Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

### Fuses

- Fuses ..... 1
- Astral Electric Co. Ltd. 1.
  - Barvic Engineering Ltd. 1.
  - Belling & Lee Ltd. 1.
  - Bern and Company Ltd., Lee 1.
  - Bulgin & Co. Ltd., A. F. 1.
  - Burgess, Norris 1.
  - Bussmann Mfg. Div., McGraw-Edison Co. 1.
  - Canadian Electrical Supply Co. Ltd. 1.
  - Canadian Electronics Ltd. 1.
  - Cohen Ltd., William 1.
  - Cooper & Co. Ltd., W. H. 1.
  - Crawford Radio, The 1.
  - Desser E-E Ltd. 1.
  - Eagle Electric Mfg. Co. Inc. 1.
  - Electronic Components Ltd. (1).
  - Electro Sonic Supply Co. Ltd. 1.
  - English Electric Co. Ltd., The 1.
  - Ericsson Telephone Sales of Canada Ltd. (1).
  - Great Lakes Electrical Specialties Ltd. 1.
  - Hackbusch Electronics Ltd. 1.
  - Northern Electric Co. Ltd. 1.
  - Payette Radio Ltd. 1.
  - Pfeiffer Electronic Laboratories 1.
  - Pitt Distributing Co. Ltd. 1.
  - Radio Trade Supply Ltd. 1.
  - Smith & Stone Ltd. (1).
  - Smith Ltd., Irving 1.
  - Telegraph Condenser Co. Ltd. 1.
  - Tilton Ltd., John R. 1.
  - Trico Fuse Mfg. Co. 1.
  - United Insulator Div. of The Telegraph Condenser Co. Ltd. 1.
  - Varah Ltd., L. A. 1.
  - Waterloo Electronics Supply Co. Ltd. 1.
  - Western Agencies Ltd. 1.
  - Wholesale Radio & Electronics Ltd. 1.

### Gauges

- Comparator ..... 1  
 Ionization ..... 2  
 Pressure — Electronic ..... 3  
 Spring Tension ..... 4  
 Strain ..... 5  
 Thickness — Electronic ..... 6  
 Vacuum ..... 7
- Aeromotive Engineering Products Ltd. 1.
  - Associated Electronic Components Ltd. 4.
  - Atlantic Research Corp. 3.
  - Atlas-Werke AG 3-7.
  - Aviation Electric Ltd. 7.
  - Bailey Meter Co. Ltd. (3)-(7).
  - Baldwin Industrial Controls 1-2-6.
  - Boyd Ltd., Winnett 7.
  - Branson Instruments, Inc. and Branson Ultrasonic Corp. 6.
  - Bristol Co. of Canada Ltd., The (3)-(5)-(6)-(7).
  - British Rotherm Co. Ltd., The 7.
  - Canadian Electronics Ltd. 3.
  - Canadian Liquid Air Co. 7.
  - Canavia Engineering & Sales Co. 4.
  - Carriere and MacFeeters Ltd. 3-7.
  - Central Electronic Manufacturers 2-7.
  - Central Scientific Co. of Canada, Ltd. (2)-(7).
  - Consolidated Controls Corp. 7.
  - Cooper & Co. Ltd., W. H. 7.
  - Conway Electronic Enterprises Reg'd 2-3-5-6.
  - Curtis Wright Corp. — Electronics Div. 2-6.
  - Dawe Instruments Ltd. 6.
  - Daystrom, Ltd. 6.
  - Dayton Corp. 4-5-6.
  - Delta Aircraft Equipment Ltd. 3-5.
  - Dominion Electrohome Industries Ltd. 6.
  - E.M.I.-Cossor Electronics Ltd. 6.
  - Edwards High Vacuum (Canada) Ltd. (2)-(7).
  - Electrodesign 2-5-6.
  - Electromechanical Products 2-3-6.
  - Electronic Associates Ltd. (6)-(7).
  - Ellis Industries, The J. W. 1-4-5.
  - Ericsson Telephone Sales of Canada Ltd. (4).
  - Evershed-Powertronic Ltd. (3).
  - Farnell Instruments Ltd. 5.

- Fielden Electronics Ltd. 1-3-5-6-7.
- Fischer & Porter (Canada) Ltd. (3)-(7).
- Fisher Scientific Co. Ltd. 2-7.
- Found Bros. Aviation Ltd. (4).
- General Controls Co. (Canadian) Ltd. 3-7.
- General Radio Co. (Canadian Branch Office) 1.
- Glendon Instrument Co. Ltd., The 5.
- Guardian Electric Mfg. Co. 4.
- Hamilton Watch Co. 1.
- Hastings-Raydist, Inc. 3-7.
- Herring & Co. Ltd., John 5.
- Higginson Equipment Sales Ltd. 3-7.
- Hildon Corp. Ltd. 1-5-6.
- Honeywell Controls Ltd. (3)-(6)-(7).
- Hughes Products 2-3-7.
- Hull Corp. 7.
- Instronics Ltd. 3-5.
- Isotope Developments Ltd. 6.
- Keith Mercer Co. Ltd. 2-7.
- Kelvin & Hughes Ltd. 3-5-6.
- Kinney Mfg. Div., The New York Air Brake Co. 2-7.
- Langham Thompson Ltd., J. 5.
- Lisle Instrument Systems 3-5-6.
- Mack Co. Ltd., R. 2.
- Magnachem Ltd. 6.
- Measurement Engineering Ltd. (3)-(5)-(6).
- NRC Equipment Corp. 2-7.
- Norwood Controls, Unit of Detroit Controls 3-7.
- Nuclear Corp. of America, Instrument & Research Div. 2.
- Ohmart Corp., The 6.
- Peacock Brothers Ltd. 3-5-7.
- Phillips Electronics Industries Ltd. (2)-(3)-(5)-(6)-(7).
- Pye & Co. Ltd., W. G. 7.
- RCA Victor Co. Ltd. (1).
- Radiation Counter Laboratories, Radionics Ltd. 2-3-6-7.
- Robertshaw-Fulton Controls Co. Inc. 6.
- Aeronautical & Instrument Div. 6.
- Rousseau Controls Ltd. 7.
- Sanborn Co. 3.
- Sheffield Corp., The 1-3.
- Siemens Edison Swan (Canada) Ltd. 2-4.
- Sierra Electronics Corp. 2-7.
- Southern Instruments Ltd. 3.
- Tatnall Measuring and Nuclear Systems 3-5.
- Tecneek Associates 5-6-7.
- Thermovolt Instruments Ltd. 3-7.
- Titania Electric Corp. of Canada Ltd. 3-5.
- Transonic Ltd. (3)-(5)-(6).
- Ultradyme, Inc. 3-7.
- Unit Process Assemblies, Inc. 6.
- Veeco Vacuum Corp. 2-7.
- Waterloo Electronics Supply Co. Ltd. 3.
- Western Agencies Ltd. 7.
- Wickman Ltd., A. C. 3-5-6.

### Galvanometers

- Galvanometers ..... 1
- Ahearn and Soper Co. Ltd. 1.
  - Alpha Aracon Radio Co. Ltd. 1.
  - ARVA Inc. (1).
  - Associated Electronic Components Ltd. 1.
  - Atlas Instrument Corp. Ltd. 1.
  - Bach-Simpson Ltd. (1).
  - Baldwin Industrial Controls 1.
  - Cambridge Instrument Co., Ltd. 1.
  - Canadian Research Institute (1).
  - Centronix Inc. 1.
  - Clark Ltd., Alex L. 1.
  - Conway Electronic Enterprises Reg'd 1.
  - Crawford, Associates, Allan 1.
  - Daystrom, Ltd. 1.
  - Electronic Components Ltd. 1.
  - Electrodesign 1.
  - Electro Sonic Supply Co. Ltd. 1.
  - Ellis Industries, The J. W. 1.
  - Evans Electro Selenium Ltd. 1.
  - Garrett Mfg. Corp. of Canada, Ltd., The 1.
  - Glendon Instrument Co. Ltd., The 1.
  - P. Gossen & Co. G.m.b.H. 1.
  - Greibach Instruments Corp. 1.
  - Hamilton Watch Co. 1.
  - Helland Div., Minneapolis-Honeywell 1.
  - Herring & Co. Ltd., John 1.
  - Honeywell Controls Ltd. (1).
  - Kelvin & Hughes Ltd. 1.
  - Kin Tel, A Div. of Cohu Electronics, Inc. 1.
  - MEL Sales Ltd. 1.

- Nichols Ltd., R. H. 1.
- Northern Electric Co. Ltd. 1.
- Payette Radio Ltd. 1.
- Philips Electronics Industries Ltd. (1).
- Photon Instrument Co. 1.
- Precision Apparatus Co., Inc. 1.
- Pye & Co. Ltd., W. G. 1.
- Radiometer 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Robinson Co., C. M. 1.
- Ruhstrat, Gebr. 1.
- S.I.D.A.M. Ltd. 1.
- Sanborn Co. 1.
- Shallcross Mfg. Co. 1.
- Sifam Electrical Instrument Co. Ltd. 1.
- Simpson Electric Co. 1.
- Southwestern Industrial Electronics Co. 1.
- Tecneek Associates 1.
- Tellurometer Canada Ltd. 1.
- Texas Instruments Incorporated 1.
- Thermovolt Instruments Ltd. 1.
- Tinsley Instruments (Canada) Ltd. (1).
- Waterloo Electronics Supply Co. Ltd. 1.
- Whittaker, E. E. 1.
- Wholesale Radio & Electronics Ltd. 1.
- Wickman Ltd., A. C. 1.

### Gases

- Nitrogen ..... 1  
 Rare ..... 2
- Canadian Liquid Air Co. (1)-(2).
  - Fisher Scientific Co. Ltd. 1-2.
  - Linde Co., Div. of Union Carbide Canada Ltd. (1)-(2).

### Gaskets

- Gaskets ..... 1
- Airflite Components Co. 1.
  - Airtron Inc., A Div. of Litton Industries 1.
  - Andersen & Co. Ltd., A. A. 1.
  - Aviation Electric Ltd. (1).
  - Brady Co. of Canada Ltd., W. H. (1).
  - Canadian Johns-Manville Co. Ltd. (1).
  - Connecticut Hard Rubber Co., The 1.
  - Continental-Diamond Fibre of Canada Ltd. (1).
  - Emerson Plastics Corp. 1.
  - Enfo Inc. 1.
  - Exact Engineering & Manufacturing, Inc. 1.
  - Filer-Smith Machinery Co. Ltd. 1.
  - Garlock Packing Co. of Canada Ltd., The (1).
  - Garlock Packing Co., The 1.
  - Metal Textile Corp., A Div. of General Cable Corp. 1.
  - National Fibre Co. of Canada Ltd. (1).
  - Oki & Willadsen Ltd. (1).
  - Polypenco, Inc. 1.
  - Raybestos-Manhattan, Inc. Manhattan Rubber Div. 1.
  - Shamban & Co. 1.
  - Spaulding Fibre of Canada Ltd. (1).
  - Staver Co., Inc., The 1.
  - United Aircraft Products, Inc. 1.
  - Watkins Co. Ltd., W. R. 1.
  - Western Agencies Ltd. 1.

### Gears, Precision

- Gears, Precision ..... 1
- Actuator Products Corp. 1.
  - Airflite Components Co. 1.
  - Aviation Electric Ltd. (1).
  - Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (1).
  - Beckman Instruments, Inc., Hellpot Div. 1.
  - Bowmar Instrument Corp. 1.
  - Canadian Aviation Electronics Ltd. (1).
  - Computing Devices of Canada Ltd. (1).
  - Daystrom Instrument, Div. of Daystrom, Inc. 1.
  - Deutsch Co., The 1.
  - Dynamic Gear Co., Inc. 1.
  - French Sales Ltd., Philip 1.
  - Hellpot Div. of Beckman Instruments Inc. (1).
  - Herring & Co. Ltd., John 1.
  - MacQuarrie Sales, J. J. 1.
  - Marsland Engineering Ltd. (1).
  - National Fibre Co. of Canada Ltd. (1).
  - Peacock Brothers Ltd. 1.

- Pic Design Corp. 1.
- R-O-R Associates Ltd. 1.
- Randall (Canada) Ltd. 1.
- Servomechanisms (Canada) Ltd. 1.
- SICO Ltd. (1).
- U.S. Gear Corp. 1.
- Waldom Electronics Inc. 1.
- Whittaker, E. E. 1.

### Generators, Electronic

- AM-FM ..... 1  
 Harmonic Frequency ..... 2  
 Microwave ..... 3  
 Picture Signal ..... 4  
 Pulse ..... 5  
 Signal, A-F ..... 6  
 Signal, F-M ..... 7  
 Signal, R-F ..... 8  
 Signal, Single Sideband ..... 9  
 Signal, Sweeping ..... 10  
 Square Wave ..... 11  
 Ultrasonic ..... 12  
 Variable Frequency ..... 13  
 Waveform ..... 14
- Ahearn and Soper Co. Ltd. 1-2-5-6-7-8-10-11.
  - Airborne Instruments Lab., A Div. of Cutler-Hammer, Inc. 3-13.
  - Aircom Inc. 8.
  - Airmecc Ltd. 1-6-7-8.
  - Alpha Aracon Radio Co. Ltd. 1-2-3-4-6-7-9-10-11-12-13-14.
  - American Electronic Laboratories, Inc. 5-11.
  - Atlas Instrument Corp. Ltd. 3-4-5-6-8-10-11-12-13-14.
  - Atlas Radio Corp. Ltd. 1-6-7-8-10-11.
  - Aviation Electric Pacific Ltd. 3.
  - Bach-Simpson Ltd. 1-5-6-7-8-10.
  - Bayly Engineering Ltd. 6-7-8-10.
  - Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (3).
  - Bepco Canada Ltd. (12).
  - Blackstone Corp. 12.
  - Boonton Radio Corp. 1-7-8-10-13.
  - Branson Instruments, Inc. and Branson Ultrasonic Corp. 12.
  - A/S Bruel & Kjaer 6-12-13.
  - Burgess, Norris 1-2-5-6-7-8-10-13-14.
  - Burr-Brown Research Corp. 6-11-12-13.
  - Canadian Aviation Electronics Ltd. (5)-(6)-(8)-(10).
  - Canadian Electrical Supply Co. Ltd. 1-2-4-6-7-8-10-11.
  - Canadian Electronics Ltd. 6-7-8.
  - Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 5-10.
  - Canadian Marconi Co. 1-3-5-6-7-8-10-11-12-13.
  - Canadian Marconi Co., Electronic Tube & Components Div. 7-10.
  - Canadian Motorola Electronics Ltd. 1-7-8.
  - Canadian Research Institute (6)-(8)-(12)-(13).
  - Canadian Westinghouse Co. Ltd. (5)-(6)-(7)-(8)-(10)-(11)-(13)-(14).
  - Clough-Brengle Co., The 6-8-10-13.
  - Collins Radio Co. of Canada Ltd. 1-(2)-(3)-(13).
  - Control Electronics Co., Inc. 3-5.
  - Conway Electronic Enterprise Reg'd 1-2-3-4-5-6-7-8-9-10-11-12-13-14.
  - Cossor Instruments Ltd. 7-8-11.
  - Crawford Associates, Allan 3.
  - Cubic Corp. 5.
  - Dave Instruments Ltd. 5-12.
  - Daystrom, Ltd. 2-6-7-8-9-10-13.
  - Decca Radar (Canada) Ltd. (5).
  - Domac Technical Sales Ltd. 3-11.
  - Dymec, A Div. of Hewlett-Packard 3-13.
  - Dynapar Corp. 5.
  - E.M.I.-Cossor Electronics Ltd. (1)-(2)-(4)-(5)-6-7-8-10-11-12-13-14.
  - E.M.I. Electronics Ltd. 5-11.
  - Elder Electronics 12.
  - Electrodesign 5-6-7-8-10-12-14.
  - Electro Labs 5-12.
  - Electroline Television Equipment Inc. 3-6-7-8-10-11-13-14.
  - Electromechanical Products 3-5-6-8-11-12-13.
  - Electronic Instrument Co., Inc. 8-11.
  - Electronic Materiel International Ltd. (1).
  - Electronics International Co. 13.

Electro Sonic Supply Co. Ltd. 1-2-4-6-7-8-9-10-11-13.  
Empire Devices Products Corp. 3-5-9-13.  
FXR Inc. 3.  
Finkler Ltd., Len 1.  
Fleming Radio (Developments) Ltd. 5.  
General Communication Co. 3-8.  
General Communications Ltd. 12.  
General Radio Co. (Canadian Branch Office) (1)-(5)-(11)-(13).  
General Radio Co. 2-3-5-6-8-11-12-13-14.  
Glendon Instrument Co. Ltd., The 2-3-4-8-13-14.  
Goodmans Industries Ltd. 6-10-13.  
Gray Ltd., H. Roy 7-8-11.  
Hackbusch Electronics Ltd. 2-6-8-10-13.  
Hammer Electronics Co., Inc. 5.  
Harris Transducer Corp., Sub. of General Instrument Corp. 12.  
Hewlett-Packard Co. 1-5-6-8-10-11-13-14.  
Industrial Test Equipment Co. 6-13.  
Instronics Ltd. 1-2-3-5-6-7-8-10-11-12-13.  
Jackson Electrical Instrument Co., The 6-7-8-10.  
Jerrold Electronics (Canada) Ltd. (10).  
Kato Engineering Co. 13.  
Kay Electric Co. 1-3-4-5-6-7-8-10-12-13.  
Kelvin & Hughes (Canada) Ltd. 12.  
Kelvin & Hughes Ltd. 12.  
Lampkin Laboratories, Inc. 13.  
Levinthal Electronic Products, Inc. 3.  
Lomas, E. G. 2-6.  
MEL Sales Ltd. 2-3-4-5-6-7-8-10-11-12-13-14.  
Manson Laboratories, Inc. 2-3-5-8.  
Marconi's Wireless Telegraph Co. Ltd. 3-4-9-10-11-14.  
Measurement Engineering Ltd. (1)-(6)-(11)-(12)-(13).  
Measurements Corp., A McGraw-Edison Div. 5-7-8-11.  
Mechron Engineering Products Ltd. 5-6-11-13.  
Merritt Co., Ron 6-7-8-10-11-13-14.  
Micrometrical Mfg. Co. 6-7.  
Microwave Systems 3-6-11-13.  
Muirhead Instruments Ltd. 2-13-14.  
Muirhead & Co. Ltd. 6-11-13.  
Murphy Radio Ltd. 5.  
Nagard Ltd. 5-11.  
Northern Radio Co., Inc. 11-13.  
Northern Radio Mfg. Co. Ltd. (1)-(11).  
Paco Electronics Co., Inc. 8.  
Payette Radio Ltd. 6-7-8-11.  
Philbrick Researchers, Inc., George A. 11-14.  
Phillips Electronics Industries Ltd. (1)-(3)-(5)-(6)-(7)-(8)-(11).  
Polara Electronics Corp. 3-5-9-10.  
Polytechnic Research & Development Co., Inc. 1.  
Precision Apparatus Co., Inc. 1-6-7-8-10-11.  
Pye Canada Ltd., Transmission Div. (4).  
RCA Victor Co. Ltd. (1)-(3)-(4)-(6)-(7)-(8)-(10)-(13).  
R-O-R Associates Ltd. 1-3-5-6-7-8-11-13.  
Radiation, Inc. 7-8.  
Radiometer 1-6-7-10-13.  
Radio Trade Supply Ltd. 1-3-4-5-6-7-8-9-10-11-13-14.  
Rank Cintel Ltd. 5-6-10-11-13-14.  
Research Instrumentation Ltd. (5)-(11)-(12)-(13)-(14).  
Ribet-Desjardins 5-12-13.  
Rutherford Electronics Co. 5.  
Schomandl KG 2-3-13.  
Scientific-Atlanta, Inc. 3.  
Sierra Electronic Corp. 3-7-13.  
Simpson Electric Co. 1-5-7-8-10-13.  
Sinclair Radio Labs. Ltd. (3).  
Smyth Electronic Components Ltd. 1-3-6-7-8-11.  
Spencer-Kennedy Laboratories, Inc. 5.  
Stark Electronic Sales Co. (1)-(4)-(6)-(7)-(8)-10-11-14.  
Stelma, Inc. 11.  
T.M.C. (Canada) Ltd. (9)-(13).  
Tatnall Measuring and Nuclear Systems 12.  
Tecneek Associates 1.  
Tektronix Inc. (11)-(13)-(14).  
Tektronix Inc. (Portland, Oregon) 5-11-14.

Telerad Mfg. Corp. 3.  
Tel-Instrument Electronics Corp. 1-4-7-8-10-13.  
Telonic Engineering Corp. 3-10-13.  
Telonic Industries Inc. 1-3-5-8-10-13.  
Tilton Ltd., John R. 1-6-7-8-10-11-13.  
Titanla Electric Corp. of Canada Ltd. 12.  
Topping Electronics Ltd., F. V. (1)-(2).  
Trad Electronics Corp. 8.  
TranSonic Ltd. (5)-(12).  
Triplett Electrical Instrument Co., The 7-8-10.  
Tullamore Electronics Corp. (A Sub. of The Victoreen Instrument Co.) 5.  
United Insulator Div. of The Telegraph Condenser Co. Ltd. 12.  
Varah Ltd., L. A. 1-6-7-8-11-13.  
Western Agencies Ltd. 1-6-7-8-10-11.  
Wholesale Radio & Electronics Ltd. 1-4-6-7-8-10-11.  
Willard Spenser Co. 3-5-6-7-8-9-10.

### Generators

|                   |   |
|-------------------|---|
| Hand Driven ..... | 1 |
| Motor .....       | 3 |

Acme Electric Corp. Ltd. 1-2-3.  
Ahearn and Soper Co. Ltd. 1-3.  
Aircraft Appliances & Equipment Ltd. 1-2-3.  
Alpha Aracon Radio Co. Ltd. 1.  
Amalgamated Electric Corp. Ltd. (3).  
Atlas Polar Co. Ltd. (1)-(3).  
Automatic Electric Sales (Canada) Ltd. 1.  
Aviation Electric Ltd. 1-2-3.  
Aviation Electric Pacific Ltd. 1.  
Aviquip of Canada Ltd. 1-3.  
Brian Engineering Ltd. 1-3.  
Brown Boveri (Canada) Ltd. (3).  
Burlac Sales Ltd. 1-3.  
Canadian Fairbanks-Morse Co. Ltd. (1).  
Canadian Liquid Air Co. 1-3.  
Canadian Lister-Blackstone Ltd. (1)-(3).  
Consolidated Diesel Electric Corp. of Canada Ltd. 1-3.  
Conway Electronic Enterprises Reg'd 1-2-3.  
Crothers Ltd., Geo. W. (1).  
Deutz Diesels (Canada) Ltd. (1).  
Dominion Machinery & Equipment Co. Ltd. 1-2-3.  
E.C.C. Canada Ltd. 1-3.  
Electro Sonic Supply Co. Ltd. 1-3.  
English Electric Co. Ltd., The 1-3.  
Evershed and Vignoles Ltd. 2-3.  
Garrett Mfg. Corp. of Canada, Ltd., The (1).  
General Motors Diesel Ltd. (1).  
Hackbusch Electronics Ltd. 2-3.  
Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd. 1-(3).  
Kato Engineering Co. 3.  
Katolight Corp. 1-3.  
Leland Electric Canada Ltd. (3).  
Lucas-Rotax Ltd. (1)-(3).  
McPhar Geophysics Ltd. (1).  
Measurement Engineering Ltd. (2).  
Mechron Engineering Products Ltd. 1.  
Muirhead Instruments Ltd. 3.  
Ohio Crankshaft Co., The — Tocco Div. 3.  
Onan & Son, Inc., D. W. 1.  
Oster Mfg. Co., John — Avionic Div. 3.  
Payette Radio Ltd. 3.  
Powertronic Equipment Ltd. (1)-(3).  
Redifon Ltd. 2.  
Rotating Components Inc. 3.  
Servomechanisms (Canada) Ltd. 3.  
Showalter, R. J. 1-3.  
Terry Machinery Co. Ltd. (1)-(3).  
Thompson Ltd., Chas. L. 1-3.

### Glass Parts

|                   |   |
|-------------------|---|
| Glass Parts ..... | 1 |
|-------------------|---|

Braun-Knecht-Helmemann Co., Glass Engineering Dept. 1.  
Electronic Associates Ltd. (1).  
Fischer & Porter Co. 1.  
Fisher Scientific Co. Ltd. (1).  
Hummel, William M. 1.  
JFD Electronics Corp. 1.

Lake Engineering Co. Ltd. 1.  
National Fibre Co. of Canada Ltd. (1).  
Norrich Plastics Corp., Div. Norrich Screw Machine Products 1.  
Quality Hermetics Ltd. (1).  
Research Instrumentation Ltd. (1).  
Rogers Electronic Tubes & Components (1).

### Graphite, Colloidal

Graphite, Colloidal ..... 1  
Grafo Colloids Corp. 1.

### Grilles

|                      |   |
|----------------------|---|
| Metal .....          | 1 |
| Molded Plastic ..... | 2 |
| Speaker .....        | 3 |

Alpha Aracon Radio Co. Ltd. 1-3.  
Altec Lansing Corp. 3.  
Ball Associates, C. A. (1).  
Barber-Colman of Canada Ltd. (1).  
Barvic Engineering Ltd. (1)-(2)-(3).  
Bern and Company Ltd., Lee 1-3.  
Bishop Sons & Co. Ltd. (1)-(3).  
Canadian Electrical Supply Co. Ltd. 3.  
Canadian Electronics Ltd. 1-2-3.  
Clark Ltd., Alex. L. 3.  
Cohen Ltd., William 3.  
Crawford Radio, The 3.  
Croname (Canada) Ltd. (1)-(3).  
Dominion Aluminum Fabricating Ltd. (1).  
Elder Electronics 1.  
Electro Sonic Supply Co. Ltd. 1-2-3.  
Erie Resistor Corp. 2.  
Finkler Ltd., Len 2.  
General Cement Mfg. Co. — Div. of Textron Inc. 3.  
General Sound & Theatre Equipment Ltd. 3.  
Hackbusch Electronics Ltd. 1.  
Hammond Mfg. Co. Ltd. (1)-(3).  
Hathaway, Kraemer Ltd. (2)-(3).  
Industrial & Institutional Communications Ltd. 3.  
Kahnert Sales Ltd., R. C. 1-3.  
MacQuarrie Sales, J. J. 3.  
National Sound Services Ltd. (3).  
Oxford Components, Div. Oxford Electric Corp. 1-3.  
Payette Radio Ltd. 1-3.  
Peffer Sound Systems Ltd. (1)-(3).  
Pitt Distributing Co. Ltd. 1-3.  
Plastigilde Ltd. 1.  
Premier Metal Products Co. 1-3.  
Radio Trade Supply Ltd. 1-2-3.  
Railway & Power Engineering Corp. 1.  
Ruggles Co. Ltd., H. P. 2.  
Tenatronics Ltd. 1-(3).  
Thompson Ltd., Chas. L. 1-3.  
Varah Ltd., L. A. 1-3.  
Walsco Electronics Mfg. Co. — Div. of Textron Inc. 3.  
Waterloo Electronics Supply Co. Ltd. 1-2-3.  
Western Agencies Ltd. 1-2-3.  
Wholesale Radio & Electronics Ltd. 3.

### Grommets

Grommets ..... 1

Alpha Aracon Radio Co. Ltd. 1.  
Amatom Electronic Hardware Co. 1.  
Andersen & Co. Ltd., A. A. (1).  
Armet Industries Ltd., Rubber & Plastics Div. (1).  
Aviation Electric Ltd. 1.  
Bern and Company Ltd., Lee 1.  
Canadian Electrical Supply Co. Ltd. 1.  
Canadian Electronics Ltd. 1.  
Continental-Diamond Fibre of Canada Ltd. (1).  
Crawford Radio, The 1.  
Deskin Sales Co., A. I. Deutsch Co., The 1.  
Eagle Electric Mfg. Co. Inc. 1.  
Electro Sonic Supply Co. Ltd. 1.  
Enfo Inc. 1.  
General Cement Mfg. Co. — Div. of Textron Inc. 1.  
Hathaway, Kraemer Ltd. (1).  
Hellermann (Canada) Ltd. (1).  
Hummel, William M. 1.  
Lord Manufacturing Co. 1.  
MacQuarrie Sales, J. J. 1.

National Fibre Co. of Canada Ltd. (1).  
Norrich Plastics Corp., Div. Norrich Screw Machine Products 1.  
Payette Radio Ltd. 1.  
Radio Trade Supply Ltd. 1.  
Railway & Power Engineering Corp. Ltd. 1.  
Rousseau Controls Ltd. 1.  
Spaulding Fibre of Canada Ltd. (1).  
United-Carr Fastener Co. of Canada Ltd. (1).  
United Shoe Machinery Co. of Canada Ltd. (1).  
Varah Ltd., L. A. 1.  
Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1.  
Waterloo Electronics Supply Co. Ltd. 1.  
Western Agencies Ltd. 1.  
Wholesale Radio & Electronics Ltd. 1.

### Gun Mounts, Cathode Ray Tube Gun

Gun Mounts, Cathode Ray Tube Gun ..... 1

Bayly Engineering Ltd. 1.  
Canadian Electronics Ltd. 1.  
Canadian General Electric Co. Ltd., Electronic Tube Section (Radiovalve Co. Ltd.) (1).  
Canadian Westinghouse Co. Ltd., Electronic Tube Div. (1).  
Electronic Tube Corp. 1.  
Siemens Edison Swan (Canada) Ltd. 1.  
Thomas Electronics, Inc. 1.

### Guns, Soldering

Guns, Soldering ..... 1

Alpha Aracon Radio Co. Ltd. 1.  
Atlas Radio Corp. Ltd. 1.  
Bern and Company Ltd., Lee 1.  
Best Co., John 1.  
Canadian Electrical Supply Co. Ltd. 1.  
Canadian Electronics Ltd. 1.  
Canadian Marconi Co., Electronic Tube & Components Div. 1.  
Crawford Radio, The 1.  
Eagle Electric Mfg. Co. Inc. 1.  
Electro Sonic Supply Co. Ltd. 1.  
Payette Radio Ltd. 1.  
Pfeiffer Electronic Laboratories 1.  
Radio Trade Supply Ltd. 1.  
Simmonds & Sons Ltd., A. C. (1).  
Varah Ltd., L. A. 1.  
Wall Mfg. Co., P. 1.  
Waterloo Electronics Supply Co. Ltd. 1.  
Wen Products, Inc. 1.  
Western Agencies Ltd. 1.  
Wholesale Radio & Electronics Ltd. 1.

### Gyros

Displacement ..... 1  
Integrating ..... 2

Aviation Electric Ltd. 1-2.  
Canadian Aviation Electronics Ltd. (2).  
Canadian Pratt and Whitney Aircraft Co. Ltd. 1-2.  
Collins Radio Co. of Canada Ltd. 2.  
Daystrom, Ltd. 1-2.  
Daystrom Pacific, Div. of Daystrom, Inc. 1.  
Humphrey, Inc. 1-2.  
Leonard Electric Ltd. 2.  
Muirhead & Co. Ltd. 1.  
Railway & Power Engineering Corp. Ltd. 1-2.  
Reeves Instrument Corp. 2.  
Sheppard, R. D. B. 1.  
Sperry Gyroscope Co. of Canada Ltd. (1)-2.

### Gyroscopes

Gyroscopes ..... 1

Aviation Electric Ltd. (1).  
Aviation Electric Pacific Ltd. 1.  
Canadian Pratt and Whitney Aircraft Co. Ltd. 1.  
Daystrom, Ltd. 1.  
Daystrom Pacific, Div. of Daystrom, Inc. 1.  
English Electric Co. Ltd., The 1.  
Honeywell Controls Ltd. (1).  
Humphrey, Inc. 1.

Iron Fireman Mfg. Co.,  
Electronics Div. 1.  
Kelvin & Hughes Ltd. 1.  
Muirhead & Co. Ltd. 1.  
Railway & Power Engineering  
Corp. Ltd. 1.  
Randall (Canada) Ltd., Douglas  
S.I.D.A.M. Ltd. 1.  
Sperry Gyroscope Co. of  
Canada Ltd. (1).

## Hardware, Electronic

Hardware, Electronic ..... 1

- Active Radio & TV Ltd. 1.
- Airfite Components Co. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Atomom Electronic Hardware Co. 1.
- Associated Electronic Components Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Beckman Instruments, Inc., Hellipot Div. 1.
- Bern and Company Ltd., Lee 1.
- Birnbach Radio Co., Inc. 1.
- Bliss Electronic Corp. 1.
- Burgess, Norris 1.
- Cambridge Thermionic of Canada, Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Research Institute (1).
- Churchill Lighting Corp. 1.
- Connector Corp. 1.
- Consolidated Electronic Equipment Co. Ltd. (1).
- Crawford Radio, The 1.
- Deskin Sales Co., A. 1.
- Desser E-E Ltd. 1.
- Electrodesign 1.
- Electrolabs 1.
- Electromechanical Products 1.
- Electro Sonic Supply Co. Ltd. 1.
- Finkler Ltd., Len 1.
- Garde Manufacturing Co. 1.
- Garrett Mfg. Corp. of Canada, Ltd., The (1).
- General Cement Mfg. Co. — Div. of Textron Inc. 1.
- Gould Sales Co., E. S. 1.
- Grant Pulley & Hardware Corp. 1.
- Grayhill, Inc. 1.
- Hoover Electronics Co. 1.
- Hummel, William M. 1.
- Kerr-Machin Associates 1.
- Kulka Electric Corp. 1.
- Litton Industries, U.S. Engineering Co. Div. 1.
- Lomas, E. G. 1.
- MacQuarrie Sales, J. J. 1.
- Mitchell Electronics, J. C. E. 1.
- National Radio Co. Inc. 1.
- Norrich Plastics Corp., Div. Norrich Screw Machine Products 1.
- Payette Radio Ltd. 1.
- Pfeiffer Electronic Laboratories 1.
- Precision Metal Products Co. 1.
- Radio Trade Supply Ltd. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Rogers Electronic Tubes & Components (1).
- Smith Ltd., Irving 1.
- Staver Co., Inc., The 1.
- United-Carr Fastener Co. of Canada Ltd. (1).
- United Insulator Div. of The Telegraph Condenser Co. Ltd. 1.
- Varah Ltd., L. A. 1.
- Waldom Electronics Inc. 1.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1.
- Waterbury Pressed Metal Co., The 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.
- Willard Spenser Co. 1.
- Y. W. Small Parts Ltd. (1).

## Harnesses, Wire

Harnesses, Wire ..... 1

- Addison Industries Ltd. (1).
- Aircraft-Marine Products of Canada Ltd. (1).
- Airfite Components Co. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Alpha Wire Corp. 1.
- Amcan Electrical Harness, Ltd. (1).
- Amphenol Canada Ltd. (1).
- Avtek Systems Engineering Ltd. (1).
- Barron, William T. 1.

Bendix Aviation Corp.,  
Scintilla Div. 1.  
Birnbach Radio Co., Inc. 1.  
CBC Electronics Co., Inc. 1.  
• Canadian Electronics Ltd. 1.  
• Cannon Electric Canada Ltd. (1).

- Cohen Ltd., William 1.
- Columbia Wire & Supply Co. 1.
- Co-Operative Industries, Inc. 1.
- Cords (Canada) Ltd. (1).
- Delta Aircraft Equipment Ltd. 1.
- Electronic Components Ltd. (1).
- Electronic Controls Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1.
- Electrovert Ltd. (1).
- Evershed-Powertron Ltd. (1).
- Fleck Mfg. Ltd. (1).
- Hackbusch Electronics Ltd. 1.
- Hoover Electronics Co. 1.
- Industrial Electronic Hardware Mfg. Co. 1.
- Lab-Tronics, Inc. 1.
- MEL Sales Ltd. 1.
- MacQuarrie Sales, J. J. 1.
- Marsland Engineering Ltd. (1).
- Measurement Engineering Ltd. (1).
- Methode Mfg. Corp. 1.
- National Sound Services Ltd. (1).
- Nichols Ltd., R. H. (1).
- Phalo Plastics Corp. 1.
- Plessey Co. of Canada Ltd. (1).
- Randall (Canada) Ltd., Douglas 1.
- Raypar, Inc. 1.
- Smyth Electronic Components Ltd. 1.
- Stark Electronic Sales Co. (1).
- Tenatronics Ltd. (1).
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.

## Headphones and Headsets

Headphones and Headsets 1

- Active Radio & TV Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Ampex American Corp. (1).
- Amplivox (Canada) Ltd. (1).
- Amplivox Exports Ltd. 1.
- Associated Electronic Components Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Automatic Electric Sales (Canada) Ltd. 1.
- Aviation Electric Pacific Ltd. 1.
- Barvic Engineering Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Caldwell A/V Equipment Co. Ltd. 1.
- Campbell Mfg. Co. Ltd. (1).
- Canadian Communication Systems 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Cohen Ltd., William 1.
- Conway Electronic Enterprises Reg'd 1.
- Crawford Radio, The 1.
- A/S Danavox 1.
- Daveco Agencies Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. 1.
- Electrolabs 1.
- Electronic Materials International Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Engineered Sound Systems Ltd. 1.
- Ericsson Telephone Sales of Canada Ltd. (1).
- Foster & Sons Ltd., Anthony 1.
- General Sound & Theatre Equipment Ltd. 1.
- Hackbusch Electronics Ltd. 1.
- Lustraphone Ltd. 1.
- Mechtron Engineering Products Ltd. 1.
- Melody Master Mfg. Co. 1.
- Multitone Electric Co. Ltd. 1.
- Payette Radio Ltd. 1.
- Peffer Sound Systems Ltd. 1.
- Pointon Ltd., Charles W. 1.
- Prince and Roberts 1.
- Pye & Co. Ltd., W. G. 1.
- Radio Trade Supply Ltd. 1.
- Sperry Gyroscope Ottawa Ltd. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Superex Electronics Corp. 1.
- Trimm, Inc. 1.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.

Whiteley Electrical Radio  
Co. Ltd. 1.  
• Wholesale Radio & Electronics  
Ltd. 1.

## Heads

Magnetic Film ..... 1  
Recording ..... 2  
Tape Recording ..... 3

- Active Radio & TV Ltd. 3.
- Alpha Aracon Radio Co. Ltd. 1-2-3.
- Ampex American Corp. (3).
- Astral Electric Co., Ltd. 3.
- Atlas Radio Corp. Ltd. 2-3.
- Barvic Engineering Ltd. 2-3.
- Bern and Company Ltd., Lee 3.
- Bogen-Presto Co. 2-3.
- Burgess, Norris 3.
- Caldwell A/V Equipment Co. Ltd. 1-2-3.
- Canadian Electrical Supply Co. Ltd. 2-3.
- Canadian Electronics Ltd. 3.
- Canadian Marconi Co., Electronic Tube & Components Div. 3.
- Clark Ltd., Alex L. 1-3.
- Collins Radio Co. of Canada Ltd. 1-2-3.
- Crawford Radio, The 3.
- E.M.I.-Cossor Electronics Ltd. (1)-(2)-(3).
- E.M.I. Electronics Ltd. 3.
- Electronic Materials International Ltd. 1-2-3.
- Electro Sonic Supply Co. Ltd. 2-3.
- Engineered Sound Systems Ltd. 2-3.
- General Transistor Western Corp. 1-2-3.
- Gould Sales Co., E. S. 3.
- Gray Ltd., H. Roy 2.
- Honeywell Controls Ltd. (3).
- Intronics Ltd. 1-3.
- Kelvin & Hughes Ltd. 1-2.
- Librascope, Inc. 2.
- Nortronics Co., Inc. 1-2-3.
- Payette Radio Ltd. 2-3.
- Pickering and Company, Inc. 3.
- Radio Trade Supply Ltd. 2-3.
- Randall (Canada) Ltd., Douglas 3.
- Robinson Co., C. M. 3.
- Shure Bros., Inc. 2-3.
- Simmonds & Sons Ltd. (2)-(3).
- Southwestern Industrial Electronics Co. 2-3.
- Thermionic Products (Electronics) Ltd. 3.
- Thompson Ltd., Chas. L. 1-2-3.
- Tilton Ltd., John R. 2.
- Varah Ltd., L. A. 2-3.
- Waterloo Electronics Supply Co. Ltd. 2-3.
- Western Agencies Ltd. 2-3.
- Wholesale Radio & Electronics Ltd. 2-3.

## Heat Treating — Service

Heat Treating — Service ..... 1

- Aviation Electric Ltd. (1).
- El-Met-Parts Ltd. (1).
- Hayes, Inc., C. I. 1.
- Johnson Matthey & Mallory Ltd. (1).
- Mitchell Electronics, J. C. E. 1.
- Peacock Brothers Ltd. (1).
- United Shoe Machinery Co. of Canada Ltd. (1).

## Heating

Electronic Dielectric ..... 1  
Electronic Induction ..... 2

- Associated Electrical Industries (Canada) Ltd. (2).
- Brown Boveri (Canada) Ltd. (1)-(2).
- Canadian Research Institute (1)-(2).
- Dominion Electrohome Industries Ltd. 1-2.
- Dominion Electrohome Industries Ltd., Technical Products Div. 1-2.
- Elder Electronics 1-2.
- Electrodesign 1-2.
- English Electric Co. Ltd., The 2.
- General Electrodynamics Corp. 1-2.
- Hayes, Inc., C. I. 1-2.
- Industron Corp. 1-2.
- Lindberg Engineering Co. 2.
- Lindsay Antenna & Specialty Products Ltd. (2).
- Nichols Ltd., R. H. (1).
- Northern Radio Mfg. Co. Ltd. 1-2.

Ohio Crankshaft Co., The —  
Tocco Div. 2.  
• Philips Electronics Industries Ltd. (1)-(2).

- Powertronic Equipment Ltd. (1)-(2).
- Radio Frequency Co., Inc. 1-2.
- Radio Heater Ltd. 1-2.
- Redifon Ltd. 1-2.
- Reeve Electronics, Inc. 1-2.
- Robotron Corp. 1-2.
- Sherman Industrial Electronics 1-2.
- Siemens Edison Swan (Canada) Ltd. 1-2.

## HOLDERS, Crystal

Holders, Crystal ..... 1

- Accurate Electronics Corp. 1.
- Alrcorn Inc. 1.
- Airtron Inc., A Div. of Litton Industries 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Buckland Co., Robert J. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Cohen Ltd., William 1.
- DeMornay-Bonardi, Inc. 1.
- Desser E-E Ltd. 1.
- Electromechanical Products 1.
- Electro Sonic Supply Co. Ltd. 1.
- FXR, Inc. 1.
- Gould Sales Co., E. S. 1.
- Gray Ltd., H. Roy 1.
- Grayhill, Inc. 1.
- Johnson Co., E. F. 1.
- Lake Engineering Co. Ltd. 1.
- Lomas, E. G. 1.
- Mack Co. Ltd., R. 1.
- Manis Associates Reg'd, Ben (1).
- Merritt Co., Ron 1.
- Microwave Associates, Inc. 1.
- Microwave Systems 1.
- Mosley Electronics, Inc. 1.
- Payette Radio Ltd. 1.
- Pfeiffer Electronic Laboratories 1.
- Polytechnic Research & Development Co., Inc. 1.
- Quality Hermetics Ltd. (1).
- Radionics Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Robinson Co., C. M. 1.
- Simmonds & Sons Ltd., A. C. (1).
- Sinclair Radio Labs. Ltd. (1).
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Whiteley Electrical Radio Co. Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Horns

Microwave ..... 1  
Speaker Projector ..... 2

- Adams Engineering Ltd. 1.
- Airborne Instruments Lab., A Div. of Cutler-Hammer, Inc. 1.
- Alrcorn Inc. 1.
- Airtron Canada Ltd. (1).
- Airtron Inc., A Div. of Litton Industries 1.
- Altec Lansing Corp. 2.
- American Electronic Laboratories, Inc. 1.
- Andrew Antenna Corp. Ltd. (1).
- Atlas Radio Corp. Ltd. 2.
- Atlas Sound Corp. 2.
- Barvic Engineering Ltd. 2.
- Bern and Company Ltd., Lee 2.
- Buckland Co., Robert J. 2.
- Canadian Communication Systems 2.
- Canadian Electrical Supply Co. Ltd. 2.
- Canadian Electronics Ltd. 2.
- Canadian Westinghouse Co. Ltd. (1).
- Central Electronic Manufacturers 1.
- Conway Electronic Enterprises Reg'd 1.
- D & B Sound and Signals Inc. 2.
- Daveco Agencies Ltd. 2.
- Dayrand Ltd. 1.
- Daystrom, Ltd. 2.
- DeMornay-Bonardi, Inc. 1.
- Dominion Aluminum Fabricating Ltd. (1).
- Dominion Machinery & Equipment Co. Ltd. 2.
- Douglas Microwave Co., Inc. 1.
- E.M.I.-Cossor Electronics Ltd. 2.
- Electro Sonic Supply Co. Ltd. 2.

- Engineered Sound Systems Ltd. 2.
- Executone Communication Systems Ltd. (2).
- FXR Inc. 1.
- Goodmans Industries Ltd. 2.
- Hackbusch Electronics Ltd. 2.
- Instronics Ltd. 1.
- Kahnert Sales Ltd., R. C. 2.
- Kennedy & Co., D. S. 1.
- Lomas, E. G. 1.
- MEL Sales Ltd. 1.
- Mack Co. Ltd., R. 2.
- Microwave Associates, Inc. 1.
- Microwave Systems 1.
- Mitchell Electronics, J. C. E. 1.
- Narda Microwave Corp., The 1.
- Payette Radio Ltd. 2.
- Peffer Sound Systems Ltd. 2.
- Polarad Electronics Corp. 1.
- RCA Victor Co. Ltd. (1).
- Racon Electric Co. Inc. 1-2.
- Radionics Ltd. 1.
- Raytheon Canada Ltd. (1).
- Sinclair Radio Labs. Ltd. (1).
- Thompson Ltd., Chas. L. 2.
- Tilton Ltd., John R. 2.
- Transco Products, Inc. 1.
- Varah Ltd., L. A. 1-2.
- Waterloo Electronics Supply Co. Ltd. 2.
- Western Agencies Ltd. 2.
- Whiteley Electrical Radio Co. Ltd. 2.

### Housings

|                  |   |
|------------------|---|
| Antenna .....    | 1 |
| Instrument ..... | 2 |
| Speaker .....    | 3 |

- Addison Industries Ltd. (3).
- Alpha Aracon Radio Co. Ltd. 2-3.
- Altec Lansing Corp. 3.
- Atlas Radio Corp. Ltd. 3.
- Aviation Electric Ltd. (1)-(2).
- Avtek Systems Engineering Ltd. (3).
- Barvic Engineering Ltd. 1-3.
- Benco Television Associates Ltd. (1).
- Blonder-Tongue Laboratories, Inc. 2.
- Burgess, Norris 3.
- Canadian Electrical Supply Co. Ltd. 2-3.
- Canadian Electronics Ltd. 2-3.
- Churchill Lighting Corp. 2.
- Conway Electronic Enterprises Reg'd 2-3.
- D & B Sound and Signals Inc. (3).
- Dayrand Ltd. 2.
- Daystrom, Ltd. 2-3.
- Elder Electronics 2.
- Electro Sonic Supply Co. Ltd. 2-3.
- Engineered Sound Systems Ltd. 3.
- Gray Ltd., H. Roy 3.
- Hackbusch Electronics Ltd. 3.
- Hammond Mfg. Co. Ltd. (2)-(3).
- Hartley Products Co. 3.
- Hummel, William M. 1.
- MEL Sales Ltd. 2.
- MacQuarrie Sales, J. J. 2-(3).
- National Sound Services Ltd. (3).
- Norrich Plastics Corp., Div. Norrich Screw Machine Products 1.
- Oxford Components, Div. Oxford Electric Corp. 3.
- Peffer Sound Systems Ltd. (3).
- RCA Victor Co. Ltd. (3).
- Racal Engineering Ltd. 2.
- Racon Electric Co. Inc. 3.
- Radio Trade Supply Ltd. 2-3.
- Reproducers and Amplifiers Ltd. 3.
- Sinclair Radio Labs. Ltd. (1)-(2).
- Smyth Electronic Components Ltd. 3.
- Thermovolt Instruments Ltd. 2.
- Tilton Ltd., John R. 3.
- Varah Ltd., L. A. 3.
- Waldom Electronics Inc. 2.
- Waterloo Electronics Supply Co. Ltd. 3.
- Western Agencies Ltd. 1-2-3.
- Whiteley Electrical Radio Co. Ltd. 3.

### Hybrid Junctions, Microwave

|                         |   |
|-------------------------|---|
| Hybrid Junctions, ..... | 1 |
| Microwave .....         | 1 |

- Aircrom Inc. 1.
- Airtron Canada Ltd. (1).
- Airtron Inc., A Div. of Litton Industries 1.
- Alford Manufacturing Co. 1.

- Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) 1.
- Bomac Laboratories, Inc. 1.
- Brown Boveri (Canada) Ltd. (1).
- Central Electronic Manufacturers 1.
- Collins Radio Co. of Canada Ltd. (1).
- Dayrand Ltd. 1.
- Delta Aircraft Equipment Ltd. 1.
- DeMornay-Bonardi, Inc. 1.
- Douglas Microwave Co., Inc. 1.
- FXR Inc. 1.
- Frequency Standards 1.
- Hewlett-Packard Co. 1.
- Lomas, E. G. 1.
- MEL Sales Ltd. 1.
- Microwave Associates, Inc. 1.
- Microwave Systems 1.
- Mitchell Electronics, J. C. E. 1.
- Narda Microwave Corp., The 1.
- Polytechnic Research & Development Co., Inc. 1.
- RCA Victor Co. Ltd. (1).
- R-O-R Associates Ltd. 1.
- Radionics Ltd. 1.
- Sinclair Radio Labs. Ltd. (1).
- Telerad Mfg. Corp. 1.
- Tele-Radio Systems Ltd. 1.
- Transco Products, Inc. 1.
- Varah Ltd., L. A. 1.

### Ignition Systems, Electronic

|                                    |   |
|------------------------------------|---|
| Ignition Systems, Electronic ..... | 1 |
|------------------------------------|---|

- Aviation Electric Ltd. 1.
- Bendix Aviation Corp., Scintilla Div. 1.
- Conway Electronic Enterprises Reg'd 1.
- Dayrand Ltd. (1).
- Lucas-Rotax Ltd. (1).

### Indicators

|   |    |
|---|----|
| Position .....                          | 1  |
| Dielectric Constant .....               | 2  |
| Frequency .....                         | 3  |
| Humidity — Electronic .....             | 4  |
| Illumination .....                      | 5  |
| Null .....                              | 6  |
| Null-Balance, Potentiometer Type .....  | 7  |
| Power Level — Electronic .....          | 8  |
| Smoke and Combustion — Electronic ..... | 9  |
| Sound Level .....                       | 10 |
| Temperature .....                       | 11 |
| Timing .....                            | 12 |
| Torque .....                            | 13 |
| Vacuum .....                            | 14 |

- Acton Laboratories, Inc. 1.
- Aeromotive Engineering Products Ltd. 7-11-12.
- Ahearn and Soper Co. Ltd. 2-3-6-7-10.
- Airborne Instruments Lab., A Div. of Cutler-Hammer, Inc. 8.
- Airpax Electronics Inc. 3-6-7.
- Alpha Aracon Radio Co. Ltd. 3-6-10.
- Amalgamated Electric Corp. Ltd. (9).
- Antlab Inc. 1.
- ARVA Inc. (1).
- Associated Electronic Components Ltd. 3-6.
- Atlantic Research Corp. 10.
- Atlas Instrument Corp. Ltd. 6.
- Atmosphere Control Co. Inc. 4.
- Aviation Electric Ltd. (1)-6-7-11-13-14.
- Aviation Electric Pacific Ltd. 1-11.
- Bach-Simpson Ltd. (3)-(6)-(8)-(10)-(11).
- Bailey Meter Co. Ltd. (9)-(11)-(14).
- Barber-Colman of Canada Ltd. (4)-(7)-(11).
- Barber-Colman Co. 4-7-9-11.
- Barvic Engineering Ltd. 10.
- Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (1).
- Beckman/Berkeley Div. 3-12.
- Bendix Aviation Corp., Bendix-Pacific Div. 1.
- Bepco Canada Ltd. (1)-(4)-(5)-(6)-(7)-(8)-(9)-(11)-(12)-(13).
- Bowmar Instrument Corp. 1-4-11-12.
- Brian Engineering Ltd. 11-14.
- Bristol Co. of Canada Ltd., The (1)-(4)-(7)-(9)-(11)-(14).
- British Rotherm Co. Ltd., The 11-14.
- A/S Bruel & Kjaer 3-10.

- Buckland Co., Robert J. 3.
- Burlec Sales Ltd. 12.
- Cambridge Instrument Co., Ltd. 7-11-14.
- Canadian Electronics Ltd. 3-10-11.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9-10-11-12-13-14.
- Canadian Marconi Co. 8.
- Canadian Pratt and Whitney Aircraft Co. Ltd. 1-13.
- Canadian Westinghouse Co. Ltd. (1).
- Canavia Engineering & Sales Co. 1-13.
- Carriere and MacPeeters Ltd. 11.
- Colvin Laboratories, Inc. 7.
- Consolidated Controls Corp. 1-3.
- Crawford Associates, Allan 3-6-7-12.
- Davis Automatic Controls Ltd. 11-12.
- Dawe Instruments Ltd. 10.
- Dayrand Ltd. 4.
- Daystrom, Ltd. 1-3-4-5-6-7-8-11.
- Daystrom Pacific, Div. of Daystrom, Inc. 7-11.
- Daytronic Corp. 1-13.
- DeJur-Amsco Corp., Electronic Sales Div. 5-8-10-11-12.
- Delta Aircraft Equipment Ltd. 1-4-11-12-13.
- Desser E-E Ltd. 7-10.
- Dominion Electrohome Industries Ltd. 8.
- Dynapar Corp. 1-3-12-13-14.
- E.M.I.-Cossor Electronics Ltd. 10.
- Edwards High Vacuum (Canada) Ltd. (14).
- Electrodesign 1-3-6-7-10-11.
- Electrolabs 3-5.
- Electromechanical Products 1-3-11-12-13.
- Electronic Associates Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1-2-3-8-10-12.
- Electronics Corp. of America (Canada) Ltd. (9).
- Ellis Industries, The J. W. 1-3-6-11-12.
- English Electric Co. Ltd., The 3-11.
- Erie Pacific, Div. of Erie Resistor Corp. 3-12.
- Erwood Inc. 10.
- Evans Electro Selenium Ltd. 5.
- Evershed and Vignoles Ltd. 1-7-8-11.
- Fenwal Inc. 11.
- Feiden Electronics Ltd. 1-2-4-7-9-11.
- Flier-Smith Machinery Co. Ltd. 7.
- Fischer & Porter (Canada) Ltd. (11)-(14).
- Fischer & Porter Co. 11.
- Fisher Scientific Co. Ltd. (11)-12-14.
- Found Bros. Aviation Ltd. (1)-(12)-(13).
- Garrett Mfg. Corp. of Canada, Ltd., The (1)-(3)-(6)-(7)-(11).
- General Controls Co. (Canadian) Ltd. 1-11-12-14.
- General Radio Co. (Canadian Branch Office) (2)-(6)-(8)-(10).
- General Radio Co. 3-6-10.
- Gilmore Industries, Inc. 3-7-10-13.
- Glendon Instrument Co. Ltd., The 11.
- P. Gossen & Co. G.m.b.H. 5-11.
- Hackbusch Electronics Ltd. 1-3-6-7-8-10-12.
- Hastings-Raydist, Inc. 1-14.
- Haydon Co., The A. W. 12.
- Hellpot Div. of Beckman Instruments Inc. (3).
- Herring & Co. Ltd., John 5-6-7-8-9-12.
- Hewlett-Packard Co. 6.
- Honeywell Controls Ltd. (4)-(6)-(7)-(8)-(9)-(11)-(14).
- Hughes Products 14.
- Impact-O-Graph Corp., The 1.
- Industrial Test Equipment Co. 6.
- Instronics Ltd. 3-6.
- Kahnert Sales Ltd., R. C. 3-12.
- Kelvin & Hughes (Canada) Ltd. 9-11.
- Kelvin & Hughes Ltd. 9-11.
- Dipl. Ing. Ulrich Knick 6.
- Kulka Electric Corp. 5.
- Langham Thompson Ltd., J. 3-12.
- Leonard Electric Ltd. 3-5.
- Liquidometer of Canada Ltd. (1).
- Liquidometer Corp., The 1.
- Lisle Instrument Systems 1-(9)-12.

- Londex Ltd. 9-12.
- MEL Sales Ltd. 3-7.
- Machinery Electrification Inc. 8.
- Mack Co. Ltd., R. 10.
- Magtrol, Inc. 13.
- Martin Engineering Inc. 9.
- McPhar Geophysics Ltd. (9).
- Measurement Engineering Ltd. (1)-(2)-(3)-(4)-(7)-(9)-(11)-(14).
- Mechtron Engineering Products Ltd. 11.
- Merritt Co., Ron 3.
- Micarta Fabricators Ltd. (5).
- Micrometrical Mfg. Co. 3.
- Microwave Systems 1-7.
- Muirhead & Co. Ltd. 1-6-7.
- NRC Equipment Corp. 14.
- Nichols Ltd., R. H. 11.
- Northern Radio Mfg. Co. Ltd. (3)-(10).
- Norwood Controls, Unit of Detroit Controls 7-11-14.
- Payette Radio Ltd. 3.
- Peacock Brothers Ltd. 13-14.
- Penn Keystone Corp. 1.
- Phillips Electronics Industries Ltd. (7)-(11)-(14).
- Photomat, Inc. (formerly Ess Instrument Co.) 9.
- Polytronics Co. 9.
- Prince and Roberts 9.
- Pye & Co. Ltd., W. G. 7-11.
- R-O-R Associates Ltd. 3-10.
- Radiometer 6.
- Radionics Ltd. 1-7-9-11-14.
- Railway & Power Engineering Corp. Ltd. 1-7-11.
- Rank Cintel Ltd. 3-12.
- Raytheon Canada Ltd. (1).
- Record Electrical Co. Ltd., The 1-3.
- Ross & Sons Ltd., Frank T. 3.
- Rousseau Controls Ltd. 11.
- Rubstrat, Gebr. 8-11.
- Sanborn Co. 3-10.
- Schomandl KG 3.
- Scott & Co. (Electrical Engineers) Ltd., James 1.
- Shallcross Mfg. Co. 6.
- Showalter, R. J. 1-14.
- Siemens Edison Swan (Canada) Ltd. 3-9-11.
- Sierra Electronic Corp. 14.
- Sifax Electrical Instrument Co. Ltd. 11.
- Simmonds Aerocessories of Canada Ltd. (2).
- Simmonds Aerocessories, Inc. 2.
- Simpson Electric Co. 6-8-11.
- Stark Electronic Sales Co. 3-10.
- Sturtevant Co., P. A. 13.
- T.M.C. (Canada) Ltd. (3).
- Tatnall Measuring and Nuclear Systems 7-11-13.
- Taylor Instrument Cos. of Canada Ltd. (4)-(11)-(14).
- Tech Laboratories, Inc. 5.
- Tecneek Associates 3-4-5-6-7-9-10-11-12-14.
- Tele-Radio Systems Ltd. 3.
- Tellurometer Canada Ltd. 4.
- Thermo Electric (Canada) Ltd. (7)-(11).
- Thermovolt Instruments Ltd. 4-7-6-(11)-14.
- Theta Instrument Corp. 1-7.
- Tinsley Instruments (Canada) Ltd. (6)-(7).
- Titania Electric Corp. of Canada Ltd. 11.
- Tregaskies Sales Co., William 12.
- Triad Instruments & Controls Ltd. (7)-(11).
- United Aircraft Products, Inc. 11.
- Varah Ltd., L. A. 10.
- Varian Associates of Canada Ltd. (7).
- Vector Labs. Inc. (1)-(3)-(5)-(6)-(7)-(9)-(11)-(12)-(13).
- Veeco Vacuum Corp. 14.
- Western Agencies Ltd. 11-14.
- West Instrument Corp. 7-11.
- Westronic Engineering Sales (A Div. of L. A. Varah Ltd.) 1-3.
- Wholesale Radio & Electronics Ltd. 3-10-12.

### Infrared Equipment

|                          |   |
|--------------------------|---|
| Infrared Equipment ..... | 1 |
|--------------------------|---|

- Associated Electronic Components Ltd. 1.
- Aviation Electric Ltd. 1.
- Baird-Atomic, Inc. 1.
- Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (1).
- Beckman/Scientific & Process Instruments Div. 1.
- Canadian Pratt and Whitney Aircraft Co. Ltd. 1.

- Conway Electronic Enterprises Reg'd 1.
- DeVilbiss (Canada) Ltd. (1).
- E.M.I. Electronics Ltd. 1.
- Electrodesign 1.
- Libroscope, Inc. 1.
- MEL Sales Ltd. 1.
- Mechron Engineering Products Ltd. 1.
- Northern Electric Co. Ltd. 1.
- Philips Electronics Industries Ltd. (1).
- Plessey Co. of Canada Ltd. (1).
- Radionics Ltd. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Servo Corp. of America 1.
- Servomechanisms (Canada) Ltd. 1.
- Sinclair Radio Labs. Ltd. (1).
- Tellurometer Canada Ltd. 1.
- Texas Instruments Incorporated 1.

### Instrument Parts, Precision

#### Instrument Parts, Precision

- Airfiltre Components Co. 1.
- Aviation Electric Ltd. (1).
- Aviation Electric Pacific Ltd. 1.
- Bach-Simpson Ltd. (1).
- Barnes Development Co. 1.
- Bowmar Instrument Corp. 1.
- Canadian Applied Research Ltd. (1).
- Canadian Aviation Electronics Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Pratt and Whitney Aircraft Co. Ltd. 1.
- Canadian Research Institute (1).
- Canavia Engineering & Sales Co. 1.
- Computing Devices of Canada Ltd. (1).
- Daystrom, Ltd. 1.
- Deskin Sales Co., A. 1.
- Eastern Specialty Co. 1.
- Emerson Plastics Corp. 1.
- Exact Engineering & Manufacturing, Inc. 1.
- Fisher Scientific Co. Ltd. 1.
- French Sales Ltd., Phillip 1.
- Hamilton Watch Co. 1.
- Hummel, William M. 1.
- International Systems Ltd. 1.
- Kelvin & Hughes (Canada) Ltd. 1.
- Kelvin & Hughes Ltd. 1.
- MEL Sales Ltd. 1.
- Muirhead Instruments Ltd. (1).
- Norrish Plastics Corp., Div. Norrish Screw Machine Products 1.
- Machine Products 1.
- Oki & Willadsen Ltd. (1).
- Oster Mfg. Co., John - Avionic Div. 1.
- Pic Design Corp. 1.
- Radio Trade Supply Ltd. 1.
- Reeves Instrument Corp. 1.
- Servomechanisms (Canada) Ltd. 1.
- Smith Ltd., Irving 1.
- Thermovolt Instruments Ltd. (1).
- Tinsley Instruments (Canada) Ltd. (1).
- Whiteley Electrical Radio Co. Ltd. 1.
- Whittaker, E. E. 1.
- Y. W. Small Parts Ltd. (1).

### Instruments

- Graphic Recording ..... 1
- Panel ..... 2
- Ultrasonic ..... 3
- Ahearn and Soper Co. Ltd. 1-2.
- Airborne Instruments Lab., A Div. of Cutler-Hammer, Inc. 1.
- ARVA Inc. (1).
- Atlantic Research Corp. 3.
- Atlas Instrument Corp. Ltd. 1.
- Balley Meter Co. Ltd. (1)-(2).
- Barber-Colman of Canada Ltd. (1).
- Barber-Colman Co. 1-2.
- Beckman Instruments Inc. (2).
- Beckman Instruments, Inc., Helipol Div. 12.
- Bepco Canada Ltd. (1)-(2).
- Branson Instruments, Inc. and Branson Ultrasonic Corp. 3.
- Brian Engineering Ltd. 1.
- Bristol Co. of Canada Ltd., The (1).
- A/S Bruel & Kjaer 1.
- Brush Instruments 1.

- Burr-Brown Research Corp. 3.
- Cambridge Instrument Co., Ltd. 1.
- Canadian Applied Research Ltd. (1)-(2).
- Canadian Charts & Supplies Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 2.
- Canadian Electronics Ltd. 2.
- Canadian Research Institute (1)-(2).
- Conway Electronic Enterprises Reg'd 1-2-3.
- Crawford Associates, Allan 1.
- Dawe Instruments Ltd. 3.
- Daystrom, Ltd. 1-2.
- DeJur-Amesco Corp., Electronic Sales Div. 2.
- Dynapar Corp. 2.
- E.C.C. Canada Ltd. 1-2.
- E.M.I.-Cossor Electronics Ltd. 1-3.
- E.M.I. Electronics Ltd. 1.
- Elder Electronics 1.
- Electrodesign 1-2-3.
- Electro Instruments, Inc. 1.
- Electrolabs 3.
- Electromechanical Products 2-3.
- Electronic Components Ltd. 2.
- Electro Sonic Supply Co. Ltd. 2.
- Ellis Industries, The J. W. 1-2.
- Emerson Plastics Corp. 2.
- English Electric Co. Ltd., The 2.
- Epsco, Inc. 1.
- Erle Resistor Corp. 2.
- Evershed and Vignoles Ltd. 1-2.
- Fielden Electronics Ltd. 1-2.
- Filer-Smith Machinery Co. Ltd. 1-2.
- Fischer & Porter (Canada) Ltd. (2).
- Fraser Ltd., George M. 1-2.
- General Communications Ltd. 1.
- General Controls Co. (Canadian) Ltd. 1.
- General Radio Co. (Canadian Branch Office) (1).
- General Radio Co. 1.
- Gilmore Industries, Inc. 1.
- P. Gossen & Co. G.m.b.H. 2.
- Harris Transducer Corp., Sub. of General Instrument Corp. 3.
- Helland Div., Minneapolis-Honeywell 1.
- Honeywell Controls Ltd. (1)-(2).
- Hobson & Associates, W. 1.
- Instronics Ltd. 1.
- International Systems Ltd. 1.
- Kelk Ltd., George (1).
- Kelvin & Hughes (Canada) Ltd. 1-2-3.
- Kelvin & Hughes Ltd. 1-2-3.
- Lisle Instrument Systems 1.
- MEL Sales Ltd. 2.
- Magnachem Ltd. 3.
- Measurement Engineering Ltd. 1-2-3.
- Metronix, Inc. 2.
- Microwave Systems 1.
- Nichols Ltd., R. H. 1-2.
- Northern Electric Co. Ltd. 2.
- Peacock Brothers Ltd. 2.
- Photron Instrument Co. 1.
- Plewes Co., John S. 2.
- Precision Apparatus Co., Inc. 2.
- R-O-R Associates Ltd. 1.
- Radionics Ltd. 1.
- Record Electrical Co. Ltd., The 1-2.
- S.I.D.A.M. Ltd. 3.
- Sanborn Co. 1.
- Showalter, R. J. 1-2.
- Sifam Electrical Instrument Co. Ltd. 2.
- Simpson Electric Co. 2.
- Smith Ltd., Irving 2.
- Tatnal Measuring and Nuclear Systems 3.
- Taylor Instrument Cos. of Canada Ltd. (2).
- Tecneek Associates 1-2.
- Texas Instruments Incorporated 1.
- Thermovolt Instruments Ltd. (2).
- Titania Electric Corp. of Canada Ltd. 3.
- Triplett Electrical Instrument Co., The 2.
- Varah Ltd., L. A. 2.
- Varian Associates of Canada Ltd. (1).
- Vector Labs. Inc. (1)-(2).
- Western Agencies Ltd. 2.
- West Instrument Corp. 1.

### Insulating Materials

- Asbestos ..... 1
- Asphalt & Pitch ..... 2
- Coil Dopes ..... 3
- Enamel ..... 4

- Fabric ..... 5
- Fibre ..... 6
- Mica ..... 7
- Nylon ..... 8
- Paper ..... 9
- Plastics ..... 10
- Porcelain ..... 11
- Resins ..... 12
- Rubber ..... 13
- Sealite ..... 14
- Varnish ..... 15
- Waxes ..... 16

- Alpha Aracon Radio Co. Ltd. 3-4-5-15-16.
- Amatom Electronic Hardware Co. 6-8-10.
- Andersen & Co. Ltd., A. A. 6-7-8-10.
- Armet Industries Ltd., Rubber & Plastics Div. (13).
- Armstrong Ltd., A. T. R. (1)-(5)-(9).
- Bentley-Harris Mfg. Co. 13-15.
- Birnbach Radio Co., Inc. 11-14.
- Borden Chemical Co. - Resinite Dept. 10.
- Canadian Electrical Supply Co. Ltd. 3-5.
- Canadian Electronics Ltd. 7-10.
- Canadian Industries Ltd. (10)-(12).
- Canadian Johns-Manville Co. Ltd. (1)-(2)-(9).
- Canadian Resins & Chemicals, Div. of Shawinigan Chemicals Ltd. (10)-(12).
- Centralab Div. of Globe Union Inc. 14.
- Clark & Co. (Manchester) Ltd., H. 7-9-10.
- Connecticut Hard Rubber Co. 13.
- Continental-Diamond Fibre of Canada Ltd. (6)-(7)-(10).
- Crane Packing Co., Ltd. (10).
- Dixon Corp., 10.
- Dow Corning Silicones Ltd. (4)-(10)-(12)-(13)-(15).
- Du Pont of Canada Ltd. (8)-(10)-(12).
- E.C.C. Canada Ltd. 1-5-9-15.
- Electro Sonic Supply Co. Ltd. 3-4-5-6-9-10-11-12-13-14-15.
- Electro-Technical Products Div., Sun Chemical Corp. 1-5-6-8-9-10-12-15.
- Electrovert Ltd. 7-12.
- Emerson & Cuming, Inc. 7-10-12.
- Enfo Inc. 10.
- Erle Resistor Corp. 10-14.
- Felters Co., The 5.
- Filer-Smith Machinery Co. Ltd. 5-6-7-9-10-15.
- Gasaccumulator Co. (Canada) Ltd. 8.
- General Electric Co. 10.
- Gilchrist Ltd., Andrew 5-6-7-9-10-12-15.
- Glastic Corp., The 10.
- Hathaway, Kraemer Ltd. (10).
- Howard & Co. Ltd., M. J. 10-12.
- Hummel, William M. 8-9-10-12.
- Hysol (Canada) Ltd. (10)-(12).
- Kerr-Machin Associates 11-14.
- Lake Engineering Co. Ltd. 8-10.
- Lomas, E. G. 10.
- Magnetic Shield Div. - Perfection Mica Co. 6-7-10.
- Micafil Ltd. 5-7-9-12.
- Minnesota Mining & Mfg. of Canada Ltd. (7)-(10)-(12)-(15).
- Murphy Radio Ltd. 12.
- Narrow Fabric Co., The 8.
- National Fibre Co. of Canada Ltd. (1)-(5)-(6)-(7)-(8)-(9)-(10).
- Natvar Corp. 1-5-9-10.
- M. M. Newman Corp. 10.
- Norrish Plastics Corp., Div. Norrish Screw Machine Products 8-9-10-12.
- Oki & Willadsen Ltd. 6-7-8-10.
- Payette Radio Ltd. 3.
- Polypenco, Inc. 8-10-12.
- Radio Trade Supply Ltd. 3-4-5-7-12-15.
- Railway & Power Engineering Corp. Ltd. 5-6.
- Raybestos-Manhattan, Inc., Manhattan Rubber Div. 1-10-13.
- Resistoflex Corp. 10.
- Ruggles Co. Ltd., H. P. 1-2-5-6-7-8-9-10.
- Sauereisen Cements Co. 15.
- Shamban & Co., W. S. 5-8-10.
- Shaw Co., D. T. 11-14.
- Showalter, R. J. 6-10.
- Siemens Edison Swan (Canada) Ltd. 10-13.
- Smith & Stone Ltd. (11)-(14).
- Sonneborn Ltd. (15)-(16).
- Spaulding Fibre of Canada Ltd. (1)-(5)-(6)-(8)-(9)-(10).
- Steward Mfg. Co., D. M. 14.

- Suffix Ltd. 6-10-15.
- Thompson Fiber Glass Co., H. I. 5-6-10.
- United Insulator Div. of The Telegraph Condenser Co. Ltd. 11-14.
- Varah Ltd., L. A. 3-10.
- Western Agencies Ltd. 10.
- Zippertubing Co., The 1-5-8-10.

### Insulators

- Antenna Insulators ..... 1
- Ceramic ..... 2
- Feed Through ..... 3
- Feeder Spreader ..... 4
- High Dielectric Paper ..... 5
- Standoff ..... 6
- Strain ..... 7
- TV Yoke ..... 8
- Test Clip ..... 9
- Tower ..... 10
- Transmitting Antenna ..... 11
- Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-6-7-8-9-10-11.
- Amphenol Canada Ltd. (1)-(3).
- Associated Electronic Components Ltd. 2-6.
- Astral Electric Co., Ltd. 3.
- Aviation Electric Pacific Ltd. 11.
- Barron, William T. 3.
- Beatty Bros. Ltd. 7-(10)-(11).
- Beechey Enterprises 10.
- Bern and Company Ltd., Lee 1-2-3-6-7-9.
- Birnbach Radio Co., Inc. 1-2-3-4-6-7-11.
- Buckland Co., Robert J. 1-3-11.
- Cambridge Thermionic of Canada, Ltd. (6).
- Canadian Electrical Supply Co. Ltd. 1-2-3-4-6-7-9.
- Canadian Electronics Ltd. 1-2-3-4-5-6-7-8-9-11.
- Centralab Div. of Globe Union Inc. 1-2-3-4-6-7.
- Cleveland Container Co. 5.
- Columbia Wire & Supply Co. 1-3-6.
- Cooper & Co. Ltd., W. H. 9.
- Consolidated Wire and Associated Cos. 1.
- Continental-Diamond Fibre of Canada Ltd. (6)-(7).
- Conway Electronic Enterprises Reg'd 1-2-3-4-7-10-11.
- Crane Packing Co., Ltd. (1).
- Crawford Radio, The 1-2-3-4-6-7.
- Dayrand Ltd. 1-11.
- Desser E-E Ltd. 1-6.
- Dixon Corp. 1-3-6.
- E.C.C. Canada Ltd. 5-7-10.
- E.M.I.-Cossor Electronics Ltd. (8).
- Electrodesign 2-3-6-9.
- Electronic Research & Development Co. Ltd. 10-11.
- Electro Sonic Supply Co. Ltd. 1-2-3-4-6-7-8-9-10-11.
- Emerson & Cuming, Inc. 2.
- Enfo Inc. 3-6.
- Garde Manufacturing Co. 3-6.
- Garlock Packing Co., The 3-6.
- General Cement Mfg. Co. - Div. of Textron Inc. 1-3.
- Glastic Corp. The 6.
- Glendon Co. Ltd., The 2-3-6.
- Gray Ltd., H. Roy 1-2-3-6.
- Grayhill, Inc. 1.
- Hackbusch Electronics Ltd. 9.
- Heenan Ltd., P. J. 1-2-3-6-7.
- Howard & Co. Ltd., M. J. 2.
- Hummel, William M. 1-3-5-6.
- iE Manufacturing 1-2-3-6-7-9-10.
- Jackson Brothers (London) Ltd. 6.
- Johnson Co., E. F. 1-2-3-4-6-7-11.
- Kerr-Machin Associates 2.
- Lake Engineering Co. Ltd. 3.
- Litton Industries, U.S. Engineering Co. Div. 3-6.
- Mack Co. Ltd., R. 1-2-3-6-7.
- McCarter Radio & Television Ltd. (1)-(11).
- Merritt Co., Ron 1.
- Micro-Tower Ltd. 1-4-6-7-10-11.
- Mosley Electronics, Inc. 1-11.
- Mueller Electric Co. 9.
- National Fibre Co. of Canada Ltd. (1)-(5)-(6).
- National Radio Co. Inc. 1-2-3-6.
- Norrish Plastics Corp., Div. Norrish Screw Machine Products 1-3-5-6.
- Northern Electric Co. Ltd. 10-11.
- Payette Radio Ltd. 1-3-4-6-7.
- Pfeiffer Electronic Laboratories 2-3-6-9.
- Polypenco, Inc. 6.
- Precision Metal Products Co. 2-3-6.
- Quality Hermetics Ltd. (3)-(6).
- Radio Trade Supply Ltd. 1-2-3-6-7-8-9-10-11.

- Rohn Manufacturing Co. 7-10.
- Ruggles Co. Ltd., H. P. 1-6.
- Shamban & Co., W. S. 1-6-11.
- Shaw Co., D. T. 1-3-4-6-7-10-11.
- Simmonds & Sons Ltd., A. C. (1)-(2)-(3)-(4)-(6)-(7).
- Smith & Stone Ltd. (1)-(2)-(6)-(7).
- Smyth Electronic Components Ltd. 2-3.
- Solar Mfg. Corp. 2-3-6.
- Spaulding Fibre of Canada Ltd. (1)-(5)-(6)-(7).
- Steward Mfg. Co., D. M. 1-2-3-4-5-6-7.
- Stratton & Co. Ltd. 1-2-3-6.
- T.M.C. (Canada) Ltd. 1-2-3-4-6-7-11.
- Tatnall Measuring and Nuclear Systems 7.
- Telegraph Condenser Co. Ltd., The 2-3-6.
- Telegum Mfg. Co. Ltd. 3-6.
- Tilton Ltd., John R. 1-3-6.
- Titania Electric Corp. of Canada Ltd. 1-2-3-6-11.
- United Insulator Div. of The Telegraph Condenser Co. Ltd. 1-2-3-4-6.
- Varah Ltd., L. A. 1-2-3-4-6-7-9-10-11.
- Waisco Electronics Mfg. Co. — Div. of Textron Inc. 1-3.
- Waterloo Electronics Supply Co. Ltd. 1-2-3-4-6-7-9-10-11.
- Western Agencies Ltd. 1-2-3-6-7-8-9.
- Whittaker, E. E. 3-6.
- Wholesale Radio & Electronics Ltd. 1-2-3-4-6-7-8-9.
- Wind Turbine Co. of Canada Ltd., The (1)-(3)-(4)-(6)-(10)-(11).

## Integrators, Electronic

### Integrators, Electronic ..... 1

- Aeromotive Engineering Products Ltd. (1).
- Airborne Instruments Lab., A Div. of Cutler-Hammer, Inc. 1.
- Airpax Electronics Inc. 1.
- Anlab Inc. 1.
- Aviation Electric Ltd. 1.
- Barber-Colman of Canada Ltd. (1).
- Barber-Colman Co. 1.
- Beckman/Berkeley Div. 1.
- Beckman Instruments, Inc., Hellpot Div. 1.
- Becco Canada Ltd. (1).
- Canadian Applied Research Ltd. 1.
- Computing Devices of Canada Ltd. (1).
- Daystrom, Ltd. 1.
- DI/An Controls, Inc. 1.
- Dymec, A Div. of Hewlett-Packard 1.
- Elder Electronics 1.
- Electro Instruments, Inc. 1.
- Electronic Associates Ltd. (1).
- Evershed-Powertonic Ltd. (1).
- Evershed and Vignoles Ltd. 1.
- Fischer & Porter (Canada) Ltd. (1).
- Franklin Electronics Inc. 1.
- Garrett Mfg. Corp. of Canada, Ltd., The (1).
- Honeywell Controls Ltd. (1).
- Instronics Ltd. 1.
- MEL Sales Ltd. 1.
- Microwave Systems 1.
- Peacock Brothers Ltd. 1.
- Philbrick Researches, Inc., George A. 1.
- R-O-R Associates Ltd. 1.
- Radionics Ltd. 1.
- Reeves Instrument Corp. 1.
- Servomechanisms (Canada) Ltd. 1.
- Tempo Instrument Inc. 1.
- Willard Spenser Co. 1.

## Intercommunication Systems

### Intercommunication Systems ..... 1

- Active Radio & TV Ltd. 1.
- Ahearn and Soper Co. Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Altec Lansing Corp. 1.
- Amalgamated Electric Corp. Ltd. (1).
- Associated Electrical Industries (Canada) Ltd. (1).
- Audio-Vox-Intercom Inc. (1).
- Automatic Electric (Canada) Ltd. (1).
- Automatic Electric Sales (Canada) Ltd. 1.
- Automatic Electric International, Inc. 1.

- Automatic Telephone & Electric Co. Ltd. 1.
- Autophone Ltd. 1.
- Barvic Engineering Ltd. (1).
- Bliss Electronic Corp. 1.
- Bogen-Presto Co. 1.
- Burgess, Norris 1.
- Canadian Communication Systems 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Research Institute (1).
- Cohen Ltd., William 1.
- Conway Electronic Enterprises Reg'd 1.
- Creed & Co. Ltd. 1.
- D & B Sound and Signals Inc. 1.
- Daveco Agencies Ltd. 1.
- Daystrom, Ltd. 1.
- Decca Radar (Canada) Ltd. (1).
- Diamond Power Specialty Corp., Electronics Div. 1.
- Dominion Electrohome Industries Ltd. (1).
- E.M.I.-Cossor Electronics Ltd. 1.
- Electrolabs 1.
- Electronic Associates Ltd. (1).
- Electronic Materials International Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1.
- Electro-Vox Inc. (1).
- Engineered Sound Systems Ltd. (1).
- Ericsson Telephone Sales of Canada Ltd. (1).
- Executone Communication Systems Ltd. (1).
- Finkler Ltd., Len 1.
- Geerz & Holm Canada Ltd. 1.
- General Sound & Theatre Equipment Ltd. 1.
- Hackbusch Electronics Ltd. 1.
- Hart Electronics Ltd. 1.
- Industrial & Institutional Communications Ltd. 1.
- Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 1.
- International Systems Ltd. 1.
- Kahnert Sales Ltd., R. C. 1.
- Kitchener Electronic Industries Ltd. (1).
- Lustraphone Ltd. 1.
- MacIvor Electronics Ltd. 1.
- Muirhead Instruments Ltd. 1.
- Muirhead & Co. Ltd. 1.
- Multitone of Canada Ltd. (1).
- Multitone Electric Co. Ltd. 1.
- National Sound Services Ltd. (1).
- Northern Electric Co. Ltd. (1).
- Pacific Communications Services Ltd. 1.
- Payette Radio Ltd. 1.
- Peffer Sound Systems Ltd. (1).
- Phillips Electronics Industries Ltd. (1).
- Prince and Roberts 1.
- RCA Victor Co. Ltd. (1).
- Radio Merchandise Sales, Inc. 1.
- Rauland-Borg Corp. 1.
- Redifon Ltd. 1.
- Research Instrumentation Corp. (1).
- Siemens Edison Swan (Canada) Ltd. 1.
- Simpson Mfg. Co. Inc., Mark 1.
- Southwestern Industrial Electronics Co. 1.
- Spivey, Inc., James S. 1.
- Standard Electric Time Co. of Canada Ltd. (1).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Talk-A-Phone Co. 1.
- Telecom Ltd. (1).
- Telephone Mfg. Co. Ltd. 1.
- Tele-Radio Systems Ltd. 1.
- Telex, Inc. 1.
- Texas Instruments Incorporated 1.
- Thompson Ltd., Chas. L. 1.
- Tilton Ltd., John R. 1.
- Topping Electronics Ltd., F. V. (1).
- Vocaline Co. of America, Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Inverters (DC-AC)

### Inverters (DC-AC) ..... 1

- Acme Electric Corp. Ltd. (1).
- Acme Electric Corp. 1.
- Adams Engineering Ltd. 1.
- Airborne Accessories Corp. 1.
- Aircraft Appliances & Equipment Ltd. 1.
- Airpax Electronics Inc. 1.

- Alpha Aracon Radio Co. Ltd. 1.
- American Television & Radio Co. 1.
- Armstrong Ltd., A. T. R. (1).
- ARVA Inc. (1).
- Associated Electrical Industries (Canada) Ltd. (1).
- Atlas Radio Corp. Ltd. 1.
- Aviation Electric Ltd. 1.
- Aviation Electric Pacific Ltd. 1.
- Barron, William T. 1.
- Bayly Engineering Ltd. 1.
- Becco Canada Ltd. (1).
- Bern and Company Ltd., Lee 1.
- Boyd Ltd., Winnett 1.
- Brown Boveri (Canada) Ltd. (1).
- A/S Bruel & Kjaer 1.
- Burlec Sales Ltd. 1.
- Canadian Applied Research Ltd. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Marconi Co. 1.
- Canadian Motorola Electronics Ltd. 1.
- Carriere and MacFeeters Ltd. 1.
- Carter Motor Co. 1.
- Constellation Components Co. 1.
- Control Electronics Co., Inc. 1.
- Cornell-Dubiller Electric Corp. 1.
- Conway Electronic Enterprises Reg'd 1.
- Crawford Radio, The 1.
- Cubic Corp. 1.
- Electrodesign 1.
- Electromechanical Products 1.
- Electronic Controls Ltd. (1).
- Electronic Materials International Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Etelco Canada Ltd. 1.
- Ferrotron Electronics Co., Inc. 1.
- Garrett Mfg. Corp. of Canada, Ltd., The (1).
- Hastings-Raydist, Inc. 1.
- Herring & Co. Ltd., John 1.
- Hoover Co. Ltd., The (1).
- Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd. 1.
- Kahnert Sales Ltd., R. C. 1.
- Kelk Ltd., George (1).
- Kelvin & Hughes Ltd. 1.
- Kidde & Co. of Canada Ltd., Walter (1).
- Lenkurt Electric Co. of Canada Ltd. (1).
- Leonard Electric Ltd. 1.
- Lomas, E. G. 1.
- Lucas-Rotax Ltd. (1).
- MacQuarrie Sales, J. J. 1.
- Microwave Systems 1.
- Mitchell Electronics, J. C. E. 1.
- Norram Laboratories, Ernst 1.
- Oster Mfg. Co., John — Avionic Div. 1.
- Payette Radio Ltd. 1.
- Perkin Engineering Corp. 1.
- Pointon Ltd., Charles W. 1.
- Power Sources, Inc. 1.
- Pylon Electronic Development Co., Ltd. (1).
- Radionics Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Randall (Canada) Ltd., Douglas 1.
- Raypar, Inc. 1.
- Rutherford Agencies 1.
- Sangamo Electric Co. 1.
- Sorensen & Co., Inc. 1.
- Southwestern Industrial Electronics Co. 1.
- Spectrol Electronics Corp. 1.
- Tecneek Associates 1.
- Tempo Instrument Inc. 1.
- Terado Co. 1.
- Thompson Ltd., Chas. L. 1.
- Titania Electric Corp. of Canada Ltd. 1.
- Valor Instruments, Inc. 1.
- Varah Ltd., L. A. 1.
- Vickers Inc., Electric Products Div. 1.
- Western Agencies Ltd. 1.
- Whittaker, E. E. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Ion Traps

### Ion Traps ..... 1

- Alpha Aracon Radio Co. Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Marconi Co., Electronic Tube & Components Div. 1.
- Cohen Ltd., William 1.

- Daveco Agencies Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Goodmans Industries Ltd. 1.
- Heenan Ltd., P. J. 1.
- Payette Radio Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Whiteley Electrical Radio Co. Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Iron Oxides for Ferrites

### Iron Oxides for Ferrites .... 1

- Columbian Carbon Co. — Mapico Iron Oxides Unit 1.
- Crucible Steel Co. of America 1.
- LCR Manufacturing Co. Ltd. (1).
- Mitchell Electronics, J. C. E. 1.

## Irons, Soldering

### Irons, Soldering ..... 1

- Adcola Products Ltd. (1).
- Adcola Products Ltd. (England) 1.
- Alpha Aracon Radio Co. Ltd. 1.
- American Electrical Heater Co. 1.
- Associated Electronic Components Ltd. 1.
- Astral Electric Co., Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Best Co., John 1.
- Buckland Co., Robert J. 1.
- CBC Electronics Co., Inc. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Marconi Co., Electronic Tube & Components Div. 1.
- Carter Ltd., James B. 1.
- Crawford Radio, The 1.
- Eagle Electric Mfg. Co. Inc. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Finkler Ltd., Len 1.
- Gould Sales Co., E. S. 1.
- Hexacon Electric Co. 1.
- Linde Co., Div. of Union Carbide Canada Ltd. (1).
- Luma Electric Equipment Co., The 1.
- Mechron Engineering Products Ltd. 1.
- Moore Bros. Machinery Co. Ltd. 1.
- Payette Radio Ltd. 1.
- Pfeiffer Electronic Laboratories 1.
- Prince and Roberts 1.
- Radio Trade Supply Ltd. 1.
- Simmonds & Sons Ltd. (1).
- Smith Ltd., Irving 1.
- Smyth Electronic Components Ltd. 1.
- Ungar Electric Tool Co. of Canada (1).
- Varah Ltd., L. A. 1.
- Wall Mfg. Co., P. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.
- Wolf Electric Tools Ltd. (1).

## Jack Panel Assemblies

### Jack Panel Assemblies ..... 1

- Accurate Electronics Corp. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Automatic Electric Sales (Canada) Ltd. 1.
- Autotronics Control (1).
- Avtek Systems Engineering Ltd. (1).
- Bayly Engineering Ltd. (1).
- Cambridge Thermionic of Canada, Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Collins Radio Co. of Canada Ltd. (1).
- Domac Technical Sales Ltd. 1.
- Electromechanical Products 1.
- Electro Sonic Supply Co. Ltd. 1.
- Electrocraft, Inc. 1.
- Engineered Sound Systems Ltd. 1.
- General Radio Co. (Canadian Branch Office) (1).
- General Sound & Theatre Equipment Ltd. 1.

- Hackbusch Electronics Ltd. 1.
- Herring & Co. Ltd., John 1.
- Honeywell Controls Ltd. (1).
- Lenkurt Electric Co. of Canada Ltd. (1).
- Mack Co. Ltd., R. 1.
- Microwave Systems 1.
- National Sound Services Ltd. (1).
- Nems-Clarke Co., Div. of Vitro Corp. of America 1.
- Northern Radio Mfg. Co. Ltd. (1).
- Oki & Willadsen Ltd. (1).
- Philco Corp. of Canada Ltd. 1.
- Pointon Ltd., Charles W. 1.
- Powertronic Equipment Ltd. (1).
- Radio Trade Supply Ltd. 1.
- Simpson Mfg. Co. Inc., Mark 1.
- Switchcraft, Inc. 1.
- T.M.C. (Canada) Ltd. (1).
- Thermo Electric (Canada) Ltd. (1).
- Tilton Ltd., John R. 1.
- Topping Electronics Ltd., F. V. (1).
- Trimm, Inc. 1.
- Varah Ltd., L. A. 1.
- Westronic Engineering Sales (A Div. of L. A. Varah Ltd.) 1.
- Wholesale Radio & Electronics Ltd. 1.

## Jacks

### Jacks ..... 1

- Accurate Electronics Corp. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Amatorm Electronic Hardware Co. 1.
- Astral Electric Co., Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Automatic Electric (Canada) Ltd. (1).
- Automatic Electric Sales (Canada) Ltd. 1.
- Automatic Electric International, Inc. 1.
- Automatic Telephone & Electric Co. Ltd. 1.
- Barvic Engineering Ltd. (1).
- Bayly Engineering Ltd. (1).
- Bern and Company Ltd., Lee 1.
- Bernbach Radio Co., Inc. 1.
- Bulgín & Co. Ltd., A. F. 1.
- Cambridge Thermionic of Canada, Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Cinch Manufacturing Co. 1.
- Collins Radio Co. of Canada Ltd. 1.
- Crawford Radio, The 1.
- A/S Danavox 1.
- Electrodesign 1.
- Electro Sonic Supply Co. Ltd. 1.
- Electrocraft, Inc. 1.
- Enfo Inc. 1.
- Ericsson Telephone Sales of Canada Ltd. (1).
- General Cement Mfg. Co. — Div. of Tectron Inc. 1.
- General Radio Co. (Canadian Branch Office) 1.
- General Radio Co. 1.
- Gray Ltd., H. Roy 1.
- Grayhill, Inc. 1.
- Hackbusch Electronics Ltd. 1.
- Herring & Co. Ltd., John 1.
- Higginson Equipment Sales Ltd. 1.
- Honeywell Controls Ltd. (1).
- Hummel, William M. 1.
- Johnson Co., E. F. 1.
- Kahmert Sales Ltd., R. C. 1.
- Lab-Tronics, Inc. 1.
- Litton Industries, U.S. Engineering Co. Div. 1.
- Mack Co. Ltd., R. 1.
- Mallory & Co. Inc., P. R. 1.
- Moore Bros. Machinery Co. Ltd. 1.
- National Sound Services Ltd. (1).
- Nems-Clarke Co., Div. of Vitro Corp. of America 1.
- Northern Electric Co. Ltd. (1).
- Payette Radio Ltd. 1.
- Pfeiffer Electronic Laboratories 1.
- Pointon Ltd., Charles W. 1.
- Powertronic Equipment Ltd. (1).
- Prince and Roberts 1.
- Radio Trade Supply Ltd. 1.
- Raytheon Canada Ltd. (1).
- SIDO Ltd. 1.
- Siemens Edison Swan (Canada) Ltd. 1.
- Simmonds & Sons Ltd., A. C. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Stark Electronic Sales Co. 1.
- Superex Electronics Corp. 1.
- Switchcraft, Inc. 1.

- Telephone Mfg. Co. Inc. 1.
- Telex, Inc. 1.
- Tenatronics Ltd. 1.
- Tilton Ltd., John R. 1.
- Trimm, Inc. 1.
- United-Carr Fastener Co. of Canada Ltd. (1).
- Varah Ltd., L. A. 1.
- Walsco Electronics Mfg. Co. — Div. of Tectron Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Jewels, Glass

### Jewels, Glass ..... 1

- Alpha Aracon Radio Co. Ltd. 1.
- ARVA Inc. (1).
- Avionics Ltd. 1.
- Bern & Company Ltd., Lee 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Research Institute (1).
- Cohen Ltd., William 1.
- Crawford Radio, The 1.
- Drake Manufacturing Co. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Hackbusch Electronics Ltd. 1.
- Payette Radio Ltd. 1.
- Pfeiffer Electronic Laboratories 1.
- Radio Trade Supply Ltd. 1.
- Simmonds & Sons Ltd., A. C. (1).
- Tasso Agencies, Emile 1.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Joints, Rotary — Microwave

### Joints, Rotary — Microwave ..... 1

- Ahearn and Soper Co. Ltd. 1.
- Aircom Inc. 1.
- Airtron Canada Ltd. (1).
- Airtron Inc., A Div. of Litton Industries 1.
- Bayly Engineering Ltd. 1.
- Beaconsing Optical & Precision Materials Co. Ltd. (B O P Ltd.) 1.
- Collins Radio Co. of Canada Ltd. (1).
- Conway Electronic Enterprises Reg'd 1.
- Dayrand Ltd. 1.
- DeMornay-Bonardi, Inc. 1.
- Douglas Microwave Co., Inc. 1.
- FXR Inc. 1.
- Fleet Manufacturing Ltd. (1).
- General Radio Co. (Canadian Branch Office) (1).
- General Radio Co. 1.
- Instronics Ltd. 1.
- Kennedy & Co., D. S. 1.
- Lomas, E. G. 1.
- MEL Sales Ltd. 1.
- Marsland Engineering Ltd. (1).
- Microwave Associates, Inc. 1.
- Microwave Systems 1.
- Mitchell Electronics, J. C. E. 1.
- Philco Corp. of Canada Ltd. 1.
- Radiation, Inc. 1.
- Radionics Ltd. 1.
- Reeves Instrument Corp. 1.
- Sinclair Radio Labs. Ltd. (1).
- Smyth Electronic Components Ltd. 1.
- Telerad Mfg. Corp. 1.

## Joints, Universal

### Joints, Universal ..... 1

- French Sales Ltd., Phillip 1.
- Pic Design Corp. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Keys and Coding Equipment

### Keys and Coding Equipment 1

- Alpha Aracon Radio Co. Ltd. 1.
- American Electronics Co. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Electromechanical Products 1.
- Electronic Materials International Ltd. 1.

- Hackbusch Electronics Ltd. 1.
- Measurement Engineering Ltd. (1).
- Mechron Engineering Products Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Siemens Edison Swan (Canada) Ltd. 1.
- Simmonds & Sons Ltd., A. C. (1).
- Waterloo Electronics Supply Co. Ltd. 1.

## Kits

- Computer ..... 1
- Geiger Counter ..... 2
- Receiver ..... 3
- Test Equipment ..... 4
- Transmitter ..... 5

- Alpha Aracon Radio Co. Ltd. 1-2-3-4-5.
- American Electronics Ltd. 3-5.
- Atlas Radio Corp. Ltd. 4.
- Atmosphere Control Co. Inc. 4.
- Bern & Company Ltd., Lee 4.
- Buckland Co., Robert J. 3-5.
- Burgess, Norris 3-4.
- Canadian Electrical Supply Co. Ltd. 1-2-3-4-5.
- Conway Electronic Enterprises Reg'd 2-3-4-5.
- Cossor Instruments Ltd. 4.
- Crawford Radio, The 4-5.
- Daystrom, Ltd. 1-2-3-4-5.
- Di/An Controls, Inc. 1.
- E.M.I.-Cossor Electronics Ltd. (4).
- Electronic Instrument Co., Inc. 4-5.
- Electro Sonic Supply Co. Ltd. 2-3-4-5.
- Finkler Ltd., Len 5.
- Gould Sales Co., E. S. 5.
- Hoover Electronics Co. 4.
- Industrial Test Equipment Co. 4.
- Johnson Co., E. F. 5.
- Mack Co. Ltd., R. 3.
- Merritt Co., Ron 2-3-4-5.
- Peco Electronics Co., Inc. 3-4.
- Philbrick Researches, Inc., George A. 1.
- Radiation, Inc. 4.
- Radio Trade Supply Ltd. 3-4-5.
- Stark Electronic Sales Co. (3)-(4).
- Superex Electronics Corp. 3.
- Thermovolt Instruments Ltd. (4).
- Tilton Ltd., John R. 4-5.
- Waterloo Electronics Supply Co. Ltd. 3-4-5.
- Western Agencies Ltd. 2-3-4.
- Wholesale Radio & Electronics Ltd. 3-4-5.
- Willard Spenser Co. 1-4.

## Knobs

### Knobs ..... 1

- Active Radio & TV Ltd. 1.
- Acton Laboratories, Inc. 1.
- Airfite Components Co. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Amatorm Electronic Hardware Co. 1.
- Associated Electronic Components Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Barvic Engineering Ltd. (1).
- Bern and Company Ltd., Lee 1.
- Bulgín & Co. Ltd., A. F. 1.
- Burgess, Norris 1.
- Cambridge Thermionic of Canada, Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Marconi Co., Electronic Tube & Components Div. 1.
- Consolidated Electronic Equipment Co. Ltd. (1).
- Constellation Components Co. 1.
- Crawford Radio, The 1.
- Dale Products, Inc. 1.
- Davies Molding Co., Harry 1.
- Dimco-Ray Co. 1.
- Electrodesign 1.
- Electro Sonic Supply Co. Ltd. 1.
- French Sales Ltd., Phillip 1.
- General Cement Mfg. Co. — Div. of Tectron Inc. 1.
- General Radio Co. (Canadian Branch Office) (1).
- General Radio Co. 1.
- Gray Ltd., H. Roy 1.
- Hackbusch Electronics Ltd. 1.
- Hathaway, Kraemer Ltd. (1).
- Hummel, William M. 1.
- Johnson Co., E. F. 1.
- Kerr-Machin Associates 1.

- Litton Industries, U.S. Engineering Co. Div. 1.
- Lomas, E. G. 1.
- Mack Co. Ltd., R. 1.
- Muirhead Instruments Ltd. 1.
- Muirhead & Co. Ltd. 1.
- National Radio Co. Inc. 1.
- Norrich Plastics Corp., Div. Norrich Screw Machine Products 1.
- Oki & Willadsen Ltd. (1).
- Painton & Co. Ltd. 1.
- Payette Radio Ltd. 1.
- Pfeiffer Electronic Laboratories 1.
- Pic Design Corp. 1.
- Plastiglilide Ltd. (1).
- Plessey Co. of Canada Ltd. (1).
- Pointon Ltd., Charles W. 1.
- Radio Trade Supply Ltd. 1.
- Raytheon Canada Ltd. (1).
- Rogers Electronic Tubes & Components 1.
- Stratton & Co. Ltd. 1.
- Tellex, Inc. 1.
- Tenatronics Ltd. (1).
- Thompson Ltd., Chas. L. 1.
- Tilton Ltd., John R. 1.
- Varah Ltd., L. A. 1.
- Waldom Electronics Inc. 1.
- Walsco Electronics Mfg. Co. — Div. of Tectron Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Whiteley Electrical Radio Co. Ltd. 1.
- Whittaker, E. E. 1.
- Wholesale Radio & Electronics Ltd. 1.
- Willard Spenser Co. 1.

## Laminates

### Laminates ..... 1

- Andersen & Co. Ltd., A. A. 1.
- Canadian Industries Ltd. 1.
- Clarke & Co. (Manchester) Ltd., H. 1.
- Continental-Diamond Fibre of Canada Ltd. (1).
- Dow Corning Silicones Ltd. (1).
- E.C.C. Canada Ltd. 1.
- Electro-Technical Products Div., Sun Chemical Corp. 1.
- General Electric Co. 1.
- International Resistance Co. 1.
- Long Sault Woodcraft Ltd. (1).
- National Fibre Co. of Canada Ltd. (1).
- Oki & Willadsen Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Ruggles Co. Ltd., H. P. 1.
- Spaulding Fibre of Canada Ltd. (1).
- Thompson Fiber Glass Co., H. I. 1.

## Laminations, Transformer

### Laminations, Transformer 1

- Bayly Engineering Ltd. 1.
- Canadian Marconi Co., Electronic Tube & Components Div. 1.
- Canadian Westinghouse Co. Ltd. 1.
- Control, A Div. of Magnetics Inc. 1.
- Conway Electronic Enterprises Reg'd 1.
- El-Met-Parts Ltd. (1).
- Emerson Plastics Corp. 1.
- Magnetics Inc. 1.
- Radio Trade Supply Ltd. 1.
- Smith Co. Ltd., W. M. 1.

## Leads, Test

### Leads, Test ..... 1

- Alpha Aracon Radio Co. Ltd. 1.
- Alpha Wire Corp. 1.
- Amatorm Electronic Hardware Co. 1.
- Atlas Radio Corp. Ltd. 1.
- Bach-Simpson Ltd. (1).
- Baker Chemical Co., J. T. 1.
- Bern and Company Ltd., Lee 1.
- Birnbach Radio Co., Inc. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Marconi Co., Electronic Tube & Components Div. 1.
- Canadian Research Institute (1).
- Columbia Wire & Supply Co. 1.
- Conway Electronic Enterprises Reg'd 1.
- Crawford Radio, The 1.
- Daveco Agencies Ltd. 1.

- E.M.I.-Cossor Electronics Ltd. (1).
- Electrodesign 1.
- Electrolabs 1.
- Electro Sonic Supply Co. Ltd. 1.
- Finkler Ltd., Len 1.
- General Cement Mfg. Co. — Div. of Textron Inc. 1.
- Gray Ltd., H. Roy 1.
- Hackbusch Electronics Ltd. 1.
- Lab-Tronics, Inc. 1.
- Mack Co. Ltd., R. 1.
- Manis Associates Reg'd, Ben (1).
- Paco Electronics Co., Inc. 1.
- Payette Radio Ltd. 1.
- Pfeiffer Electronic Laboratories 1.
- Pointon Ltd., Charles W. 1.
- Precision Apparatus Co., Inc. 1.
- Radio Trade Supply Ltd. 1.
- Simpson Electric Co. 1.
- Smith Ltd., Irving 1.
- Tecneek Associates 1.
- Tenatronics Ltd. 1.
- Thompson Ltd., Chas. L. 1.
- Tilton Ltd., John R. 1.
- Varah Ltd., L. A. 1.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.

**Lenses**

|                  |   |
|------------------|---|
| Microwave .....  | 1 |
| Optical .....    | 2 |
| Television ..... | 3 |

- Airtron Canada Ltd. (1).
- Airtron Inc., A Div. of Litton Industries 1.
- Barvic Engineering Ltd. 2-3.
- Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (1)-(2)-(3).
- Blunt Ltd., L. G. 3.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 3.
- Canadian Research Institute (2).
- Clark Ltd., Alex L. 3.
- Conway Electronic Enterprises Reg'd 1-2-3.
- E.M.I.-Cossor Electronics Ltd. 3.
- Electrovert Ltd. 3.
- Emerson & Cuming, Inc. 1.
- Garlick Films Ltd. 2-3.
- General Sound & Theatre Equipment Ltd. 2.
- Howard & Co. Ltd., M. J. 1.
- Kelvin & Hughes Ltd. 2.
- MEL Sales Ltd. 1-2.
- Marconi's Wireless Telegraph Co. Ltd. 3.
- Microwave Associates, Inc. 1.
- Northern Electric Co. Ltd. 3.
- Radionics Ltd. 1-3.
- Sinclair Radio Labs. Ltd. (1).
- Tecneek Associates 2.
- Tele-Radio Systems Ltd. 3.
- Thompson Products Ltd. 2-3.

**Lights**

|                             |   |
|-----------------------------|---|
| Dial, Panel and Pilot ..... | 1 |
| Photoelectric Source .....  | 2 |
| Signal .....                | 3 |
| Stroboscopic Source .....   | 4 |

- Aeronautical Electric Co. 1.
- Alpha Aracon Radio Co. Ltd. 1-2-3.
- Amatom Electronic Hardware Co. 1.
- Arcoletric (Switches) Ltd. 1-3.
- ARVA Inc. (1).
- Associated Electronic Components Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Automatic Electric (Canada) Ltd. (1).
- Automatic Electric Sales (Canada) Ltd. 1-3.
- Automatic Electric International, Inc. 1.
- Barvic Engineering Ltd. 1-4.
- Bepeco Canada Ltd. (4).
- Bern and Company Ltd., Lee 1.
- Brian Engineering Ltd. 1.
- Bulgin & Co. Ltd., A. F. 1.
- Canadian Electrical Supply Co. Ltd. 1-2.
- Canadian Electronics Ltd. 1.
- Canadian Westinghouse Co. Ltd., Lamp Div. (1)-(3).
- Chicago Miniature Lamp Works 1-2-3-4.
- Conway Electronic Enterprises Reg'd 4.
- Cords (Canada) Ltd. (1).
- Crawford Radio, The 1.
- Dominion Electrohome Industries Ltd. 2.
- E.M.I.-Cossor Electronics Ltd. 4.

- Eagle Electric Mfg. Co. Inc. 1.
- Eagle Signal Co. 3.
- Elder Electronics 2.
- Electrodesign 2.
- Electrolabs 2.
- Electro Sonic Supply Co. Ltd. 1-3.
- Emerson Plastics Corp. 1.
- General Radio Co. (Canadian Branch Office) 4.
- General Radio Co. 4.
- Hackbusch Electronics Ltd. 1-3.
- Hart Mfg. Co., The 1.
- Herring & Co. Ltd., John 2.
- Honeywell Controls Ltd. (1).
- Johnson Co., E. F. 1.
- Kulka Electric Corp. 1-3.
- Lake Engineering Co. Ltd. 1.
- Leonard Electric Ltd. 1-3.
- Liste Instrument Systems 2.
- Lomas, E. G. 1.
- MEL Sales Ltd. 4.
- Machinery Electrification Inc. 2.
- MacIvor Electronics Ltd. 2.
- Mack Co. Ltd., R. 1.
- Marco Industries Co. 1.
- Martin Engineering Inc. 2.
- Measurement Engineering Ltd. (2).
- Mechron Engineering Products Ltd. 4.
- Micarta Fabricators Ltd. (1).
- Ok! & Willadsen Ltd. 1.
- Oxford Components, Div. Oxford Electric Corp. 1.
- Payette Radio Ltd. 1-3.
- Pfeiffer Electronic Laboratories 1-3.
- Photomation, Inc. (formerly Ess Instrument Co.) 2.
- Pitt Distributing Co. 1.
- Radio Trade Supply Ltd. 1-2-3.
- Railway & Power Engineering Corp. Ltd. 1.
- Simmonds & Sons Ltd., A. C. (1).
- Simmonds Aerocessories, Inc. 1.
- Smith Ltd., Irving 1.
- Tecneek Associates 2-4.
- United-Carr Fastener Co. of Canada Ltd. (1).
- Varah Ltd., L. A. 1-2.
- Waterloo Electronics Supply Co. Ltd. 1-2-3.
- Western Agencies Ltd. 1.
- Whittaker, E. E. 1-4.
- Wholesale Radio & Electronics Ltd. 1-2-3.
- Willard Spenser Co. 1.

**Limiters, Surge**

- Alpha Aracon Radio Co. Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Electro Sonic Supply Co. Ltd. 1.
- Gould Sales Co., E. S. 1.
- International Rectifier Corp. 1.
- Lomas, E. G. 1.
- Radio Trade Supply Ltd. 1.
- Vickers Inc., Electric Products Div. 1.

**Lines, Slotted**

- Aircorn Inc. 1.
- Alford Manufacturing Co. 1.
- Bayly Engineering Ltd. 1.
- California Technical Industries Div. of Textron Inc. 1.
- Conway Electronic Enterprises Reg'd 1.
- Dayrand Ltd. 1.
- DeMornay-Bonardi, Inc. 1.
- Douglas Microwave Co., Inc. 1.
- Electrodesign 1.
- FXR Inc. 1.
- General Radio Co. (Canadian Branch Office) (1).
- General Radio Co. 1.
- Hewlett-Packard Co. 1.
- MEL Sales Ltd. 1.
- Microwave Systems 1.
- Narda Microwave Corp., The 1.
- Polytechnic Research & Development Co., Inc. 1.
- Radionics Ltd. 1.

**Links, Antenna**

- Antenna Specialists Co., The 1.
- Brown Boveri (Canada) Ltd. (1).
- Conway Electronic Enterprises Reg'd 1.
- E.M.I.-Cossor Electronics Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Radiation, Inc. 1.
- Radio Trade Supply Ltd. 1.
- Sinclair Radio Labs. Ltd. (1).
- Tele-Radio Systems Ltd. 1.

- Wind Turbine Co. of Canada Ltd., The (1).

**Locators**

- Cable & Line Fault .....
- Pipe & Cable .....
- Ahearn and Soper Co. Ltd. 1.
- Automatic Electric Sales (Canada) Ltd. 1.
- Canadian Research Institute (1)-2.
- Conway Electronic Enterprises Reg'd 1-2.
- Electrodesign 1-2.
- General Communications Ltd. 1-2.
- Hackbusch Electronics Ltd. 1.
- Herring & Co. Ltd., John 1.
- Mechron Engineering Products Ltd. 1.
- Peschel Electronics, Inc. 1-2.
- Phillips Electrical Co. Ltd. 1-2.
- Sprague International Ltd. 1.
- Tecneek Associates 1.
- Varah Ltd., L. A. 1.
- Whiteley Electrical Radio Co. Ltd. 1.

**Locks**

- Airflite Components Co. 1-2.
- Alpha Aracon Radio Co. Ltd. 1-2.
- Amatom Electronic Hardware Co. 1-2.
- Birnback Radio Co., Inc. 1-2.
- Canadian Electrical Supply Co. Ltd. 1.
- Crawford Radio, The 1-2.
- Electro Sonic Supply Co. Ltd. 1-2.
- French Sales Ltd., Philip 1.
- Gray Ltd., H. Roy 1-2.
- Jackson Brothers (London) Ltd. 2.
- Johnson Co., E. F. 1.
- Lake Engineering Co. Ltd. 1-2.
- Leonard Electric Ltd. 2.
- Litton Industries, U.S. Engineering Co. Div. 1-2.
- Mack Co. Ltd., R. 2.
- MacQuarrie Sales, J. J. 1-2.
- Mitchell Electronics, J. C. E. 1.
- National Radio Co. Inc. 1.
- Payette Radio Ltd. 2.
- Raytheon Canada Ltd. (2).
- Servomechanisms (Canada) Ltd. 2.
- Varah Ltd., L. A. 1-2.
- Waldom Electronics Inc. 1-2.
- Waterloo Electronics Supply Co. Ltd. 1-2.
- Wholesale Radio & Electronics Ltd. 1-2.

**Loran Systems**

- Canadian Marconi Co. 1.
- Electronic Materiels International Ltd. (1).
- Polarad Electronics Corp. 1.
- RCA Victor Co. Ltd. (1).
- Redifon Canada, A Div. of Rediffusion Inc. 1.

**Louvers**

- Burgess, Norris 1.
- Elder Electronics 1.
- Hathaway, Kraemer Ltd. (1).
- Midget Louver Co. 1.

**Machines**

- Bending .....
- Cleaning .....
- Coil-Winding .....
- Counting (Photoelectric) .....
- Dip Soldering .....
- Electric Soldering .....
- Electronic Balancing .....
- Electronic Dictating .....
- Electronic Transcribing .....
- Engraving & Profiling .....
- Printed Circuit Duplicating .....
- Shock Testing .....
- Tube Manufacturing .....
- Alpha Aracon Radio Co. Ltd. 3-4.
- Andrews & Associates, A. W. 3.
- Annis Co., R. B. 7.
- Arnold Magnetics Corp. 3.
- Associated American Winding Machinery, Inc. 3.
- Aviation Electric Ltd. 2.
- Barry Controls, Inc. 12.

- Bepeco Canada Ltd. (4).
- Best Co., John (1)-(4)-(6).
- Branson Instruments, Inc., and Branson Ultrasonic Corp. 2.
- Brown Boveri (Canada) Ltd. (3)-(6).
- C. G. Electronics Corp. 3.
- Canadian Pratt and Whitney Aircraft Co. Ltd. 9.
- Canadian Research Institute 10.
- Cosa Corp. of Canada Ltd. 10.
- Dawe Instruments Ltd. 7.
- E.M.I.-Cossor Electronics Ltd. (7)-(8).
- E.M.I. Electronics Ltd. 7.
- Elder Electronics 4.
- Electralab Printed Electronic Corp. 11.
- Electrodesign 3.
- Electronic Associates Ltd. (4).
- Electronic Components Ltd. (3)-(12).
- Electro Sonic Supply Co. Ltd. 3-6-8-9.
- Electrovert Ltd. 5.
- Ellis Industries, The J. W. 4.
- Empire Engineering Co. (10).
- Hope Machinery Co. 1-10-11.
- Hummel, William M. 5.
- Impact-O-Graph Corp., The 12.
- Lindsay Antenna & Specialty Products Ltd. (1).
- Liste Instrument Systems 4.
- Luma Electric Equipment Co., The 6.
- MacQuarrie Sales, J. J. 12.
- Measurement Engineering Ltd. (4).
- Micaff Ltd. 3.
- Moore Bros. Machinery Co. Ltd. 1-2-3.
- New Hermes Engraving Machine Corp. 10.
- Nichols Ltd., R. H. 3.
- Peacock Brothers Ltd. 12.
- Photomation, Inc. (formerly Ess Instrument Co.) 4.
- Preis Engraving Machine Co., H. P. 10.
- Radionics Ltd. 1-4.
- Radio Trade Supply Ltd. 11.
- Railway & Power Engineering Corp. Ltd. 1.
- Ruggles Co. Ltd., H. P. 3.
- Seely & Co. Ltd. 11.
- Servomechanisms (Canada) Ltd. (4).
- Shamban & Co., W. S. 11.
- Siemens Edison Swan (Canada) Ltd. 7.
- Smith Ltd., Irving 3-6-7.
- Tecneek Associates 4.
- Transonic Ltd. (2).
- Vector Labs, Inc. (4).
- Veeder-Root of Canada Ltd. 4.
- Waterloo Electronics Supply Co. Ltd. 3.
- Wholesale Radio & Electronics Ltd. 4-5-6.

**Magnetizers and Demagnetizers**

- American Time Products, Inc. 1.
- Ampex American Corp. (1).
- Annis Co., R. B. 1.
- Aviation Electric Ltd. 1.
- Canadian Research Institute (1).
- Clark Ltd., Alex L. 1.
- Cooper & Co. Ltd., W. H. 1.
- Crucible Steel Co. of America 1.
- Electronic Components Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1.
- Engineered Sound Systems Ltd. 1.
- Gould Sales Co., E. S. 1.
- Higginson Equipment Sales Ltd. 1.
- Indiana Steel Products Co. of Canada Ltd. (1).
- Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd. (1).
- Instronics Ltd. 1.
- Kerr-Machin Associates 1.
- Librascope, Inc. 1.
- Luma Electric Equipment Co., The 1.
- Mack Co. Ltd., R. 1.
- Mechron Engineering Products Ltd. 1.
- National Sound Services Ltd. (1).
- Polytronics Co. (1).
- Radio Frequency Laboratories, Inc. 1.
- Radio Trade Supply Ltd. 1.
- Raytheon Canada Ltd. (1).



- Research Instrumentation Ltd. (1)
- Robins Industries Corp. 1.
- Smith Ltd., Irving 1.
- Smyth Electronic Components Ltd. 1.
- Tasso Agencies, Emile 1.
- Thermionic Products (Electronics) Ltd. 1.
- Triad Instruments & Controls Ltd. (1).

## Magnetometers

### Magnetometers ..... 1

- Aviation Electric Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Kelk Ltd., George (1).
- Tasso Agencies, Emile 1.

## Magnets, Permanent

### Magnets, Permanent ..... 1

- Allen-Bradley Canada Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Arnold Engineering Co. 1.
- Bayly Engineering Ltd. 1.
- Best Co., John 1.
- Canadian Stackpole Ltd. (1).
- Crucible Steel Co. of America 1.
- Etelco Canada Ltd. 1.
- Ferroxcube Corp. of America 1.
- Glendon Co. Ltd., The 1.
- Indian Steel Products Co. of Canada Ltd. (1).
- Mitchell Electronics, J. C. E. 1.
- Murex Ltd., Powder Metallurgy Div. 1.
- Plessey Co. of Canada Ltd. (1).
- Steward Mfg. Co., D. M. 1.
- Tasso Agencies, Emile 1.
- Whiteley Electrical Radio Co. Ltd. 1.

## Markers

### Luminous ..... 1 Wire ..... 2

- Barron, William T. 2.
- Brady Co. of Canada Ltd., W. H. (2).
- Brady Co., W. H. 2.
- Brand & Co., Inc., William 2.
- Consolidated Electronic Equipment Co. Ltd. (2).
- Duramark, Inc. 2.
- Electro Sonic Supply Co. Ltd. 1-2.
- Electrovert Ltd. 2.
- Gillies Co. Inc., Duncan M. 2.
- Hellemann (Canada) Ltd. (2).
- Higginson Equipment Sales Ltd. 1.
- Radelin Ltd. 1.
- Radionics Ltd. 1.
- Radio Trade Supply Ltd. 1-2.
- Smith Ltd., Irving 1-2.
- United States Radium Corp. 1.
- Westline Products Div. of Western Lithograph Co. 1-2.
- Whittaker, E. E. 1.
- Zippertubing Co., The 2.

## Masks

### Aperture ..... 1 Television ..... 2

- Alpha Aracon Radio Co. Ltd. 2.
- Bern and Company Ltd., Lee 2.
- Birnbach Radio Co., Inc. 2.
- Erie Resistor Corp. 2.
- Hathaway, Kraemer Ltd. (2).
- Waldom Electronics Inc. 2.
- Western Agencies Ltd. 2.

## Masts, Antenna

### Masts, Antenna ..... 1

- Ahearn and Soper Co. Ltd. 1.
- Ajax Engineers Ltd. (1).
- Alpha Aracon Radio Co. Ltd. 1.
- Andrew Antenna Corp. Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Aviation Electric Ltd. 1.
- Aviation Electric Pacific Ltd. 1.
- Barvic Engineering Ltd. 1.
- Beams Engineering Ltd. (1).
- Beatty Bros. Ltd. (1).
- Beechey Enterprises 1.
- Bern and Company Ltd., Lee 1.
- Brown Boveri (Canada) Ltd. (1).
- Buckland Co., Robert J. 1.
- Canadian Bridge Works, Div. of Dominion Steel and Coal Corp. Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian General Electric Co., Ltd., Electronic Equipment & Tube Dept. (1).

- Canadian Motorola Electronics Ltd. 1.
- Colibren Manufacturing Co. Ltd. (1).
- Dale Products, Inc. 1.
- Dominion Aluminum Fabricating Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1.
- General Cement Mfg. Co. — Div. of Textron Inc. 1.
- Lindsay Antenna & Specialty Products Ltd. (1).
- MacQuarrie Sales, J. J. 1.
- McCarter Radio & Television Ltd. (1).
- Micro-Tower Ltd. (1).
- Millard Electric Ltd. (1).
- Philco Corp. of Canada Ltd. 1.
- Phillips Electrical Co. Ltd. 1.
- Pioneer Industries Inc. 1.
- RCA Victor Co. Ltd. (1).
- Radio Merchandise Sales, Inc. 1.
- Radio Trade Supply Ltd. 1.
- Sinclair Radio Labs. Ltd. (1).
- T.M.C. (Canada) Ltd. 1.
- Tilton Ltd., John R. 1.
- Varah Ltd., L. A. 1.
- Waisco Electronics Mfg. Co. — Div. of Textron Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.
- Wind Turbine Co. of Canada Ltd., The (1).

## Megaphones, Electronic

### Megaphones, Electronic ..... 1

- Active Radio & TV Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Barvic Engineering Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Burgess, Norris 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Marconi Co. 1.
- Canadian Motorola Electronics Ltd. (1).
- Conway Electronic Enterprises Reg'd 1.
- Daveco Agencies Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Hackbusch Electronics Ltd. 1.
- Industrial & Institutional Communications Ltd. 1.
- MEL Sales Ltd. 1.
- Mack Co. Ltd., R. 1.
- Marconi's Wireless Telegraph Co. Ltd. 1.
- Measurement Engineering Ltd. (1).
- National Sound Services Ltd. 1.
- Payette Radio Ltd. 1.
- RCA Victor Co. Ltd. (1).
- Varah Ltd., L. A. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Megohmmeters

### Megohmmeters ..... 1 Vacuum Tube ..... 2

- Ahearn and Soper Co. Ltd. 1-2.
- Alpha Aracon Radio Co. Ltd. 1.
- Associated Research, Inc. 1-2.
- Bach-Simpson Ltd. 1-(2).
- Baird-Atomic, Inc. 1.
- Beckman Instruments Inc. (1)-(2).
- A/S Bruel & Kjaer 2.
- Burgess, Norris 1-2.
- Canadian Electrical Supply Co. Ltd. 1-2.
- Canadian Research Institute (1)-(2).
- Conway Electronic Enterprises Reg'd 1-2.
- Cubic Corp. 1.
- Daystrom, Ltd. 1-2.
- E.M.I.-Cossor Electronics Ltd. 1.
- Electrodesign 1.
- Electro Instruments, Inc. 1.
- Electroline Television Equipment Inc. 1-2.
- Electromechanical Products 1.
- Electro Sonic Supply Co. Ltd. 1-2.
- ELLI Industries, The J. W. 1.
- Evershed and Vignoles Ltd. 1.
- General Radio Co. (Canadian Branch Office) (1).
- General Radio Co. 1-2.
- Glendon Instrument Co. Ltd., 1-2.
- Greibach Instruments Corp. 1.
- Herring & Co. Ltd., John 1.
- Industrial Instruments, Inc. 1-2.
- Instronics Ltd. 1.
- Dipl. Ing. Ulrich Knick 1.

- Lisle Instrument Systems 1.
- Philips Electronics Industries Ltd. (1)-(2).
- Polytronics Co. (1).
- Precision Apparatus Co., Inc. 2.
- Pye & Co. Ltd., W. G. 1.
- R-O-R Associates Ltd. 1-2.
- Radiometer 1-2.
- Radionics Ltd. 1-2.
- Radio Trade Supply Ltd. 1.
- Shallicross Mfg. Co. 1.
- Smith Ltd., Irving 1-2.
- Southwestern Industrial Electronics Co. 1-2.
- Stark Electronic Sales Co. 1-2.
- Tecneek Associates 1-2.
- Thermovolt Instruments Ltd. 1.
- Trio Laboratories, Inc. 2.
- Triplett Electrical Instrument Co., The 1-2.

## Memory Systems

### Memory Systems ..... 1

- Aeromotive Engineering Products Ltd. (1).
- Cambridge Thermionic of Canada, Ltd. (1).
- Canadian Motorola Electronics Ltd. 1.
- Canadian Research Institute (1).
- Computing Devices of Canada Ltd. 1.
- Consolidated Controls Corp. 1.
- Crawford Associates, Allan 1.
- Daystrom, Ltd. 1.
- Di/An Controls, Inc. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- E.M.I. Electronics Ltd. 1.
- Electronic Associates Ltd. (1).
- Erie Resistor Corp. 1.
- French Sales Ltd., Phillip 1.
- General Transistor Western Corp. 1.
- Hackbusch Electronics Ltd. 1.
- Instronics Ltd. 1.
- International Business Machines Co. Ltd. (1).
- Micarta Fabricators Ltd. (1).
- Plessey Co. of Canada Ltd. (1).
- R-O-R Associates Ltd. 1.
- Radionics Ltd. 1.
- Sperry Gyroscope Co. of Canada Ltd. (1).
- Telex, Inc. 1.

## Metal Parts

### Powdered ..... 1 Screw Machine ..... 2 Metal Stampings ..... 3 Spinnings ..... 4

- Accurate Electronics Corp. 3.
- Addison Industries Ltd. (3).
- Airflite Components Co. 2-3-4.
- Amatom Electronic Hardware Co. 2-3-4.
- Aviation Electric Ltd. (2)-(3).
- Bishop Sons & Co. Ltd. (3).
- Blackstone Corp. 2-3.
- Burgess, Norris 3.
- Cambridge Thermionic of Canada, Ltd. (2)-(3).
- Canadian Westinghouse Co. Ltd. 1.
- Chisholm Industries Ltd. (3).
- Churchill Lighting Corp. 3.
- Colibren Manufacturing Co. Ltd. (3).
- Deskin Sales Co., A. 2.
- Deutsch Co., The 2.
- Dominion Fasteners, Ltd. (3).
- Electro Sonic Supply Co. Ltd. 2.
- El-Met-Parts Ltd. (3).
- Engelhard Industries of Canada Ltd. (3)-(4).
- Erie Resistor Corp. 3.
- Erwood Inc. 2-3.
- Glendon Co. Ltd., The 1.
- Hammond Mfg. Co. Ltd. (3).
- Hathaway, Kraemer Ltd. (3).
- Hummel, William M. 2.
- Inghram Canadian Clock Co. Ltd. (2)-(3).
- Lindsay Antenna & Specialty Products Ltd. (3).
- Litton Industries, U.S. Engineering Co. Div. 2.
- MacQuarrie Sales, J. J. 4.
- Mallory & Co. Inc. P. R. 1.
- Mohawk Business Machines Corp. 3.
- Neosid (Canada) Ltd. (1).
- Norrich Plastics Corp., Div. Norrich Screw Machine Products 2.
- Plastiglilide Ltd. (2)-(3).
- Precision Metal Products Co. 2.
- Raybestos-Manhattan, Inc., Manhattan Rubber, Div. 1.
- Rogers Electronic Tubes & Components 1.

- St. Johns Metal Stamping Co. Ltd. (3).
- Shakeproof Div. of Illinois Tool Works 3.
- Smith Co. Ltd., W. M. 3.
- Staver Co. Inc., The 3.
- United-Carr Fastener Co. of Canada Ltd. (3).
- United Shoe Machinery Co. of Canada Ltd. (2)-(3).
- Waterbury Pressed Metal Co., The 3.
- Y. W. Small Parts Ltd. (2).

## Meteorological Equipment

### Meteorological Equipment ..... 1

- Aviation Electric Pacific Ltd. 1.
- Bendix Aviation Corp., Bendix-Pacific Div. 1.
- Canadian Motorola Electronics Ltd. 1.
- Canadian Research Institute (1).
- Computing Devices of Canada Ltd. 1.
- Di/An Controls, Inc. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- Electrodesign 1.
- Hackbusch Electronics Ltd. 1.
- Herring & Co. Ltd., John 1.
- Mechron Engineering Products Ltd. 1.
- Rank Cintel Ltd. 1.
- S.I.D.A.M. Ltd. 1.
- Triad Instruments & Controls Ltd. (1).
- Whiteley Electrical Radio Co. Ltd. 1.

## Meters

|                        |    |
|------------------------|----|
| Attenuation            | 1  |
| Cable Testing          | 2  |
| Conductance            | 3  |
| d'Arsonval             | 4  |
| Decibel                | 5  |
| Distortion and Noise   | 6  |
| Elapsed Time           | 7  |
| Electrometer           | 8  |
| Electronic Capacitance | 9  |
| Field Strength         | 10 |
| Flux                   | 11 |
| F-M Deviation          | 12 |
| Footcandle             | 13 |
| Frequency              | 14 |
| Grid Dip               | 15 |
| Impedance              | 16 |
| Light                  | 17 |
| Microvolt              | 18 |
| Modulation             | 19 |
| Output                 | 20 |
| Phase Angle            | 21 |
| Power Factor           | 22 |
| Power Output           | 23 |
| Q                      | 24 |
| RF Power               | 25 |
| Sound Level            | 26 |
| Thermocouple           | 27 |
| Vibration              | 28 |
| Volt-Ohm, Electronic   | 29 |
| Wave                   | 30 |
| X-Ray Intensity        | 31 |

- Acton Laboratories, Inc. 16-21-22-29.
- Adams Engineering Ltd. 1-6-19-20-23-29.
- Aeromotive Engineering Products Ltd. 1-4-7-18-27.
- Ahearn and Soper Co. Ltd. 1-2-6-9-10-11-12-14-16-18-19-20-21-22-23-24-25-26-28-29-30.
- Airborne Instruments Lab., A Div. of Cutler-Hammer, Inc. 1-5-25.
- Aircom Inc. 14.
- Aircraft Appliances & Equipment Ltd. (21).
- Airmecc Ltd. 7-12-14-19-21-29.
- Airpax Electronics Inc. 14.
- Alpha Aracon Radio Co. Ltd. 4-5-6-7-9-10-11-14-15-16-18-19-20-24-25-29-30.
- Amos of Exeter Ltd. 20-23-29. (21).
- Andrew Antenna Corp. Ltd. (21).
- ARVA Inc. (4)-(18)-(20)-(27).
- Associated Electrical Industries (Canada) Ltd. (11)-(14).
- Associated Electronic Components Ltd. 3-4-5-7-13-14-21-22-27.
- Associated Research, Inc. 2-3-29.
- Atlas Instrument Corp. Ltd. 6-12-14-25-28-29.
- Atlas Radio Corp. Ltd. 29.
- Aviation Electric Ltd. 25.
- Aviation Electric Pacific Ltd. 27.
- Bach-Simpson Ltd. (4)-(5)-6-(7)-10-12-(14)-15-16-(18)-(20)-24-(25)-(26)-(27)-(29)-30.

- Bailey Meter Co. Ltd. (27).
- Baldwin Industrial Controls 8-17-18-31.
- Barber-Colman of Canada Ltd. (4)-(8)-(27).
- Barnes Development Co. 9.
- Bayly Engineering Ltd. (6)-(11)-(20)-(23)-24.
- Beckman Instruments Inc. (8).
- Beckman/Berkeley Division 7-14.
- Beckman Instruments, Inc., Hellpot Div. 14.
- Benco Television Associates Ltd. (10).
- Bepeco Canada Ltd. (14)-(21)-(22).
- Bergen Laboratories Inc. 7-21-29.
- Bern and Company Ltd., Lee 3-10-14-15-16.
- Biddle Co., James G. 14.
- Blonder-Tongue Laboratories, Inc. 10.
- Boonton Electronics Corp. 6-15.
- Boonton Radio Corp. 16-18-19-20-24-25.
- Bristol Co. of Canada Ltd., The (27).
- Bristol Motor Div., Vocalline Co. of America 7.
- A/S Bruel & Kjaer 6-14-26-28.
- Buckland Co., Robert J. 10-14-19.
- Budelman Electronics Corp. 12-14-19.
- Burgess, Norris 9-19-20-29.
- Burlec Sales Ltd. 7-14.
- Burr-Brown Research Corp. 5-29.
- Cambridge Instrument Co., Ltd. 3-4-8-11-18-27.
- Canadian Electrical Supply Co. Ltd. 1-4-5-10-14-15-16-29.
- Canadian Electronics Ltd. 1-7-10-14-15-16-25-26.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 7-10-12-14.
- Canadian Marconi Co. 10-12-14-19-20-23-24-25-29-30.
- Canadian Motorola Electronics Ltd. 12-14-25.
- Canadian Research Institute (2)-(3)-(4)-(5)-(8)-(13)-(14)-(15)-(17)-(18)-(20)-(21)-(22)-(23)-(25)-(26)-(27)-(28)-(29).
- Canavia Engineering & Sales Co. 17.
- Clark Ltd., Alex L. 13-17.
- Clough-Brengle Co., The 5.
- Computer-Measurements Co., Div. of Pacific Industries 7-14.
- Cooper & Co. Ltd., W. H. 29.
- Consolidated Controls Corp. 14.
- Control Electronics Co., Inc. 21-23.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31.
- Cossor Instruments Ltd. 29.
- Crawford Associates, Allan 1-10-18-22-25-27-31.
- Crawford Radio, The 4-5-15-19-27-29-30.
- Daveco Agencies Ltd. 29.
- Dawe Instruments Ltd. 6-14-26-28.
- Dayrand Ltd. 16.
- Daystrom, Ltd. 1-3(4)-(5)-6-7-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-29-31.
- DeJur-Amsco Corp., Electronic Sales Div. 4-5-7-17-26.
- DeMornay-Bonardi, Inc. 14.
- Desser E-E Ltd. 5-8-16-18.
- Douglas Microwave Co., Inc. 14.
- E.C.C. Canada Ltd. 4-14-22-23.
- E.M.I.-Cossor Electronics Ltd. 6-(7)-(9)-(10)-(14)-(16)-(18)-(20)-(21)-23-24-26-28-(29).
- Eastern Specialty Co., The 21.
- Eagle Signal Co. 7.
- Electrodesign 2-4-6-7-8-13-14-17-18-21-22-26-29-31.
- Electro Instruments, Inc. 3-9-14-16-18-21-29.
- Electrolabs 8-13-14-23-28-29.
- Electroline Television Equipment Inc. 21-29.
- Electromechanical Products 7-9-10-14-16-18-19-29.
- Electronic Associates Ltd. (6)-(31).
- Electronic Instrument Co., Inc. 15-29.
- Electronic Materiels International Ltd. (20).
- Electronic Research & Development Co. Ltd. 12.
- Electro Sonic Supply Co. Ltd. 4-5-7-9-10-14-15-18-19-20-23-25-26-27-29-30.
- Ellis Industries, The J. W. 2-3-4-7-8-9-10-11-13-14-16-17-18-20-21-22-23-27.
- Empire Devices Products Corp. 1-6-10-19-25.
- English Electric Co. Ltd., The 14-21-22-23.
- Erie Pacific, Div. of Erie Resistor Corp. 7-14-29.
- Erwood Inc. 28.
- Evans Electroselectium Ltd. 17.
- Evershed-Powertronic Ltd. (9).
- Evershed and Vignoles Ltd. 2-3-14-16-22.
- Fielden Electronics Ltd. 9.
- Finkler Ltd., Len 4-5-25-27-29.
- Fischer & Porter (Canada) Ltd. (9)-(22).
- Found Bros. Aviation Ltd. (17).
- Franklin Electronics Inc. 9-29.
- Fraser Ltd., George M. 4-7-10-14-22-23.
- Frequency Standards 14-30.
- General Communication Co. 14-23-25.
- General Communications Ltd. 21.
- General Radio Co. (Canadian Branch Office) (1)-(2)-(5)-(6)-(8)-(12)-(14)-(16)-(19)-(20)-(25)-(26)-(28)-(29).
- General Radio Co. 3-5-6-8-9-12-14-16-19-20-22-23-26-28.
- General Sound & Theatre Equipment Ltd. 13.
- Glendon Instrument Co. Ltd. 3-4-6-8-13-16-17-27-28-29-30-31.
- Goodmans Industries Ltd. 28.
- P. Gossen & Co. G.m.b.H. 3-4-5-13-14-17-27-28.
- Gray Ltd., H. Roy 6-10-14-15-30.
- Greibach Instruments Corp. 4-27.
- Hackbusch Electronics Ltd. 26-29.
- Haydon Co., The A. W. 7.
- Hellpot Div. of Beckman Instruments Inc. (14).
- Herring & Co. Ltd., John 1-2-4-7-9-17.
- Hewlett-Packard Co. 6-12-14-18-25-29-30.
- Honeywell Controls Ltd. (4)-(8)-(14)-(27).
- Hymac Corp. 29.
- Industrial Instruments, Inc. 2.
- Industrial Test Equipment Co. 21-22-24.
- Instronics Ltd. 6-10-11-14-18-19-29.
- Instrument Laboratories 2.
- Jerrold Electronics (Canada) Ltd. (10).
- Kahnert Sales Ltd., R. C. 7-14-15.
- Kay Electric Co. 6-14-24.
- Keith Mercer Co. Ltd. 9-27-28.
- Kelvin & Hughes (Canada) Ltd. 27.
- Kin Tel, A Div. of Cohu Electronics, Inc. 18.
- Dipl. Ing. Ulrich Knick 18.
- Lampkin Laboratories, Inc. 12-14-19.
- Landsverk Electrometer Co. 8-31.
- Langham Thompson Ltd., J. 14.
- Lomas, E. G. 14-25-30.
- MEL Sales Ltd. 1-4-10-11-14-15-18-18-21-22-24-25-27-28-29-30.
- Mack Co. Ltd., R. 4-18-25-26-29.
- Manis Associates Reg'd, Ben (14).
- Measurement Engineering Ltd. 27.
- Measurements Corp., A McGraw-Edison Div. 10-14-15-29.
- Mechron Engineering Products Ltd. 4-5.
- Merritt Co., Ron 5-15-29.
- Metronix, Inc. 29.
- Muirhead Instruments Ltd. 16-21.
- Muirhead & Co. Ltd. 6-16-21.
- Narda Microwave Corp., The 14-16.
- Nems-Clarke Co., Div. of Vitro Corp. of America 10.
- Nichols Ltd., R. H. 8-11-13-14-17-22-27-29.
- Northern Electric Co. Ltd. 5-7-13-14-17-18-21-22-26-27-29.
- North Hills Electric Co., Inc. 24.
- Optimized Devices, Inc. 2.
- Paco Electronics Co., Inc. 29.
- Payette Radio Ltd. 1-5-7-10-14-20-25-27-29-30.
- Peschel Electronics, Inc. 2.
- Phillips Electronics Industries Ltd. (2)-(3)-(10)-(15)-(28)-(29)-(31).
- Photon Instrument Co. 4.
- Polarad Electronics Corp. 10.
- Polytechnic Research & Development Co., Inc. 14-25.
- Precision Apparatus Co., Inc. 4-5-20-29.
- Pye & Co. Ltd., W. G. 2-3-11-18-27.
- Quan-Tech Laboratories 6.
- RCA Victor Co. Ltd. (10)-(12)-(29)-(30).
- R-O-R Associates Ltd. 1-3-5-6-9-12-14-16-18-20-21-22-23-25-26-28-29.
- Racal Engineering Ltd. 14.
- Radio Frequency Laboratories, Inc. 2-11.
- Radiometer 6-12-15-16-19-24-26-29.
- Radionics Ltd. 5-6-7-8-14-18-25-27-28-29-30-31.
- Radio Trade Supply Ltd. 3-5-7-9-10-14-15-16-18-19-20-22-23-24-25-26-27-29-30.
- Railway & Power Engineering Corp. Ltd. 27.
- Record Electrical Co. Ltd., The 4-5-14-21-22.
- Research Instrumentation Ltd. (10)-(15)-(27).
- Robinson Co., C. M. 4-5-7-27-29.
- Rosemount Engineering Co. 27.
- Ross & Sons Ltd., Frank T. 2-4.
- Ruhrstrat, Gebr. 11-27.
- Schomandl KG 14-30.
- Seco Mfg. Co. 29.
- Shallcross Mfg. Co. 1-3-4-5.
- Showalter, R. J. 4-7-14.
- Siemens Edison Swan (Canada) Ltd. 14-28.
- Sierra Electronics Corp. 5-29.
- Sifam Electrical Instrument Co. Ltd. 5-7-26-27.
- Simmonds & Sons Ltd., A. C. (7).
- Simpson Electric Co. 4-5-7-10-20-23-27-29.
- Sinclair Radio Labs. Ltd. (25)-(30).
- Smith Ltd., Irving 5-8-9-14-17-29.
- Smyth Electronic Components Ltd. 5-9-12-14-16-18-22-24-29-30.
- Sonar Radio Corp. 14.
- Southwestern Industrial Electronics Co. 8-26-28-29.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 2-6-10-16-27.
- Stark Electronic Sales Co. 2-3-(4)-(5)-(7)-(14)-(16)-22-23-26-(27)-(29).
- Stoddard Aircraft Radio Co., Inc. 10.
- T.M.C. (Canada) Ltd. (14).
- Tasso Agencies, Emile 2-3-29.
- Tatnall Measuring and Nuclear Systems 31.
- Tecneek Associates 2-6-7-9-11-13-14-17-18-21-22-26-27-29.
- Tequipment Mfg. Co. Ltd. 10.
- Telerad Mfg. Corp. 10-14-25-30.
- Tele-Radio Systems Ltd. 12-14-18-20-30.
- Thermo Electric (Canada) Ltd. (27).
- Thermovolt Instruments Ltd. 2-3-14-(27).
- Theta Instrument Corp. 21.
- Tilton Ltd., John R. 4-5-15-18.
- Tinsley Instruments (Canada) Ltd. (18).
- TranSonic Ltd. (28).
- Tregaskiss Sales Co., William 11.
- Trio Laboratories, Inc. 21-29.
- Triplet Electrical Instrument Co., The 4-5-20-25-26-29.
- Varah Ltd., L. A. 4-5-6-7-9-14-20-25-26-27-29.
- Venner Electronics Ltd. 7-14.
- Waldom Electronics Inc. 4.
- Waterloo Electronics Supply Co. Ltd. 4-5-10-14-15-19-29.
- West Instrument Corp. 27.
- Western Agencies Ltd. 1-5-10-15-16-18-20-25-26-29.
- Whittaker, E. E. 4-5-20-25-27-29.
- Wholesale Radio & Electronics Ltd. 1-4-5-7-10-14-15-18-19-20-25-27.
- Daystrom, Ltd. (1).
- DeJur-Amsco Corp., Electronic Sales Div. 1.
- Electrodesign 1.
- Electro Instruments, Inc. 1.
- Electronic Components Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Ellis Industries, The J. W. 1.
- English Electric Co. Ltd., The 1.
- Evans Electroselectium Ltd. 1.
- Finkler Ltd., Len 1.
- Fraser Ltd., George M. 1.
- P. Gossen & Co. G.m.b.H. 1.
- Greibach Instruments Corp. 1.
- Herring & Co. Ltd., John 1.
- Hewlett-Packard Co. 1.
- Honeywell Controls Ltd. (1).
- Kin Tel, A Div. of Cohu Electronics, Inc. 1.
- Dipl. Ing. Ulrich Knick 1.
- MEL Sales Ltd. 1.
- Mack Co. Ltd., R. 1.
- Mechron Engineering Products Ltd. 1.
- Nichols Ltd., R. H. 1.
- Northern Electric Co. Ltd. 1.
- Payette Radio Ltd. 1.
- Precision Apparatus Co., Inc. 1.
- Pye & Co. Ltd., W. G. 1.
- Quan-Tech Laboratories 1.
- Radiometer 1.
- Radio Trade Supply Ltd. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Ross & Sons Ltd., Frank T. 1.
- Ruhrstrat, Gebr. 1.
- Shallcross Mfg. Co. 1.
- Sifam Electrical Instrument Co. Ltd. 1.
- Simpson Electric Co. 1.
- Smith Ltd., Irving 1.
- Stark Electronic Sales Co. (1).
- Tasso Agencies, Emile 1.
- Tecneek Associates 1.
- Tilton Ltd., John R. 1.
- Triplet Electrical Instrument Co., The 1.
- Varah Ltd., L. A. 1.
- Waldom Electronics Inc. 1.
- Western Agencies Ltd. 1.
- Whittaker, E. E. 1.
- Wholesale Radio & Electronics Ltd. 1.

**Micrometers, Electronic**  
**Micrometers, Electronic .... 1**

- Ahearn and Soper Co. Ltd. 1.
- Associated Research, Inc. 1.
- Bach-Simpson Ltd. (1).
- Cambridge Thermionic of Canada, Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Electrodesign 1.
- Electromechanical Products 1.
- Electro Products Laboratories, Inc. 1.
- Fielden Electronics Ltd. 1.
- Glendon Instrument Co. Ltd., The 1.
- Hildon Corp. Ltd. 1.
- Lisle Instrument Systems 1.
- Smith Ltd., Irving 1.
- Wholesale Radio & Electronics Ltd. 1.
- Wickman Ltd., A. C. 1.

**Microphones**

- Carbon ..... 2
- Condenser ..... 2
- Contact ..... 3
- Crystal ..... 4
- Dynamic ..... 5
- Lapel ..... 6
- Magnetic ..... 7
- Velocity ..... 8
- Akustische- u. Kino-Geraete G.m.b.H. 2-5.
- Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-6-7-8.
- Amplifox (Canada) Ltd. (1)-(4)-(5)-(7).
- Amplifox Exports Ltd. 7.
- Armstrong Ltd., A. T. R. (4)-(5).
- Associated Electronic Components Ltd. 7.
- Astral Electric Co., Ltd. 5-7.
- Atlantic Research Corp. 4.
- Atlas Radio Corp. Ltd. 3.
- Audio Instrument Co., Inc. 2.
- Automatic Telephone & Electric Co. Ltd. 1.
- Autophone Ltd. 1.
- Barvic Engineering Ltd. 1-2-3-4-5-6-7-8.
- Bern and Company Ltd., Lee 1-4-5-6-7.
- A/S Bruel & Kjaer 2.

**Microammeters**

- Microammeters ..... 1
- Aeromotive Engineering Products Ltd. 1.
- Ahearn and Soper Co. Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- ARVA Inc. (1).
- Associated Electronic Components Ltd. 1.
- Associated Research, Inc. 1.
- Atlas Instrument Corp. Ltd. 1.
- Bach-Simpson Ltd. (1).
- Baldwin Industrial Controls 1.
- Beckman Instruments Inc. (1).
- Bepeco Canada Ltd. (1).
- Bern and Company Ltd., Lee 1.
- Cambridge Instrument Co., Ltd. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Research Institute (1).
- Conway Electronic Enterprises Reg'd 1.

- Caldwell A/V Equipment Co. Ltd. 4-5.
- Campbell Mfg. Co. Ltd. (1).
- Canadian Astatic Ltd. (1)-(3)-(4)-(5)-(6).
- Canadian Electrical Supply Co. Ltd. 1-2-3-4-5-6-7-8.
- Canadian Electronics Ltd. 1-2-3-4-5-6-7-8.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1-2-3-4-5-7-8.
- Canadian Marconi Co., Electronic Tube & Components Div. 1-4-5-6-7.
- Collins Radio Co. of Canada Ltd. 2-4-5-8.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8.
- Crawford Radio, The 1-3-4-5-6-7.
- D & B Sound and Signals Inc. 1-4-5-6-7.
- A/S Danavox 3.
- Daveco Agencies Ltd. 1-4-5-6.
- Daystrom, Ltd. 4.
- E.M.I.-Cossor Electronics Ltd. 4-5-6.
- Electrolabs 1-5.
- Electronic Materials International Ltd. 1-3-4-5-6-7-8.
- Electro Sonic Supply Co. Ltd. 1-2-3-4-5-6-7-8.
- Electro-Sonic Laboratories, Inc. 5-7.
- Electrovert Ltd. 2-5.
- Engineered Sound Systems Ltd. 1-2-3-4-5-6-7-8.
- Etelco Canada Ltd. 1.
- Finkler Ltd., Len 4-5-6.
- General Radio Co. (Canadian Branch Office) (2)-(4)-(5).
- General Radio Co. 2-4-5.
- General Sound & Theatre Equipment Ltd. 1-2-3-4-5-6-7-8.
- Glendon Co. Ltd., The 1-3-4-6.
- Gould Sales Co., E. S. 8.
- Hackbusch Electronics Ltd. 1-4-5-6-7-8.
- Heenan Ltd., P. J. 1-5.
- Industrial & Institutional Communications Ltd. 1-5-6-8.
- Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 1-2-3-4-5-6-7-8.
- Kahmert Sales Ltd., R. C. 1-4-5-6.
- Lindsay Antenna & Specialty Products Ltd. 5.
- Lustraphone Ltd. 1-4-5-6-7-8.
- MacIvor Electronics Ltd. 4-5-6.
- Mack Co. Ltd., R. 1-2-3-4-5-6.
- McIntyre Agencies 1-4-5-6.
- Mechtron Engineering Products Ltd. 1-7.
- Melody Master Mfg. Co. 5.
- Merritt Co., Ron 2-4-5.
- Northern Electric Co. Ltd. (5).
- Payette Radio Ltd. 1-2-3-4-5-6-8.
- Peffer Sound Systems Ltd. 2-5.
- Pye Canada Ltd., Transmission Div. 1-2-4-5-7-8.
- RCA Victor Co. Ltd. (5)-(7)-(8).
- R-O-R Associates Ltd. 2.
- Racal Engineering Ltd. 5-7.
- Radiometer 2.
- Radio Trade Supply Ltd. 1-2-3-4-5-6-7-8.
- Rauland-Borg Corp. 4-5.
- Robinson Co., C. M. 1-4-5-6-7-8.
- Seabreeze Sales Ltd. 4.
- SEG Electronics Co., Inc. 4.
- Shure Bros., Inc. 1-4-5-6-7-8.
- Siemens Edison Swan (Canada) Ltd. 1.
- Simmonds & Sons Ltd., A. C. (1)-(4)-(5)-(6)-(7).
- Simpson Mfg. Co. Inc., Mark 3.
- Smyth Electronic Components Ltd. 2-5-7-8.
- Southwestern Industrial Electronics Co. 2.
- Sperry Gyroscope Ottawa Ltd. 1-5-7.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 2-4-5-6-8.
- Telex, Inc. 1-4-5.
- Thompson Ltd., Chas. L. 1-4-5-6.
- Tilton Ltd., John R. 1-4-5-6.
- Varah Ltd., L. A. 1-4-5-6-7.
- Vitavox Ltd. 4-5.
- Waterloo Electronics Supply Co. Ltd. 1-3-4-5-6-7.
- Western Agencies Ltd. 1-2-3-4-5-6-7-8.
- Whiteley Electrical Radio Co. Ltd. 1-5.
- Wholesale Radio & Electronics Ltd. 1-3-4-5-6-7-8.

- Adams Engineering Ltd. 1.
- Aircrom Inc. 1.
- Alirtron Canada Ltd. (1).
- Alirtron Inc., A Div. of Litton Industries 1.
- Andrew Antenna Corp. Ltd. (1).
- Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (1).
- Benco Television Associates Ltd. (1).
- Brown Boveri (Canada) Ltd. (1).
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Collins Radio Co. of Canada Ltd. 1.
- Dayrand Ltd. 1.
- Douglas Microwave Co., Inc. 1.
- FXR Inc. 1.
- Filer-Smith Machinery Co. Ltd. 1.
- MEL Sales Ltd. 1.
- Marconi's Wireless Telegraph Co. Ltd. 1.
- Microwave Systems 1.
- Mitchell Electronics, J. C. E. 1.
- Narda Microwave Corp., The 1.
- Northern Electric Co. Ltd. 1.
- Polytechnic Research & Development Co., Inc. 1.
- Radionics Ltd. 1.
- Rapid Magnetic Machines Ltd. 1.
- Sinclair Radio Labs. Ltd. (1).
- Smyth Electronic Components Ltd. 1.
- Telerad Mfg. Corp. 1.
- Varah Ltd., L. A. 1.
- Westronic Engineering Sales (A Div. of L. A. Varah Ltd.) 1.

### Milliammeters

- Milliammeters ..... 1
- Aeromotive Engineering Products Ltd. 1.
- Ahearn and Soper Co. Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- ARVA Inc. (1).
- Associated Electronic Components Ltd. 1.
- Atlas Instrument Corp. Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Bach-Simpson Ltd. (1).
- Baldwin Industrial Controls 1.
- Barber-Colman of Canada Ltd. (1).
- Bepco Canada Ltd. (1).
- Bern and Company Ltd., Lee 1.
- Cambridge Instrument Co., Ltd. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Research Institute 1.
- Conway Electronic Enterprises Reg'd 1.
- Cooper & Co. Ltd., W. H. 1.
- Crawford Radio, The 1.
- Daystrom, Ltd. (1).
- DeJur-Amsco Corp., Electronic Sales Div. 1.
- Desser E-E Ltd. 1.
- Electrodesign 1.
- Electro Instruments, Inc. 1.
- Electrolabs 1.
- Electroline Television Equipment Inc. 1.
- Electromechanical Products 1.
- Electronic Components Ltd. 1.
- Electronic Instrument Co., Inc. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Ellis Industries, The J. W. 1.
- English Electric Co. Ltd., The 1.
- Finkler Ltd., Len 1.
- Fraser Ltd., George M. 1.
- P. Gossen & Co. G.m.b.H. 1.
- Greibach Instruments Corp. 1.
- Honeywell Controls Ltd. (1).
- Kahmert Sales Ltd., R. C. 1.
- Kin Tel, A Div. of Cohu Electronics, Inc. 1.
- MEL Sales Ltd. 1.
- Mack Co. Ltd., R. 1.
- Manis Associates Reg'd, Ben (1).
- Mechtron Engineering Products Ltd. 1.
- Merritt Co., Ron 1.
- Nichols Ltd., R. H. 1.
- Northern Electric Co. Ltd. 1.
- Payette Radio Ltd. 1.
- Precision Apparatus Co., Inc. 1.
- Radio Trade Supply Ltd. 1.
- Record Electrical Co. Ltd., The 1.
- Robinson Co., C. M. 1.
- Ross & Sons Ltd., Frank R. 1.

- Shallcross Mfg. Co. 1.
- Showalter, R. J. 1.
- Sifam Electrical Instrument Co., Ltd. 1.
- Simpson Electric Co. 1.
- Smith Ltd., Irving 1.
- Smyth Electronic Components Ltd. 1.
- Stark Electronic Sales Co. (1).
- Tecneek Associates 1.
- Texas Instruments Incorporated 1.
- Thermovolt Instruments Ltd. (1).
- Tilton Ltd., John R. 1.
- Triplett Electrical Instrument Co., The 1.
- Varah Ltd., L. A. 1.
- Waldom Electronics Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Whittaker, E. E. 1.
- Wholesale Radio & Electronics Ltd. 1.

### Milliohmmeters

- Milliohmmeters ..... 1
- Ahearn and Soper Co. Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Associated Research, Inc. 1.
- Atlas Radio Corp. Ltd. 1.
- Bach-Simpson Ltd. (1).
- Baldwin Industrial Controls 1.
- Bern and Company Ltd., Lee 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Research Institute (1).
- Conway Electronic Enterprises Reg'd 1.
- Daystrom, Ltd. 1.
- Desser E-E Ltd. 1.
- Electrodesign 1.
- Electro Instruments, Inc. 1.
- Electrolabs 1.
- Electroline Television Equipment Inc. 1.
- Electromechanical Products 1.
- Ellis Industries, The J. W. 1.
- Evershed and Vignoles Ltd. 1.
- Finkler Ltd., Len 1.
- Glendon Instrument Co. Ltd., The 1.
- P. Gossen & Co. G.m.b.H. 1.
- Herring & Co. Ltd., John 1.
- Mack Co. Ltd., R. 1.
- Manis Associates Reg'd, Ben (1).
- Nichols Ltd., R. H. 1.
- Radio Trade Supply Ltd. 1.
- Robinson Co., C. M. 1.
- Shallcross Mfg. Co. 1.
- Smith Ltd., Irving 1.
- Smyth Electronic Components Ltd. 1.
- Stark Electronic Sales Co. (1).
- Thermovolt Instruments Ltd. 1.
- Varah Ltd., L. A. 1.
- Waldom Electronics Inc. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

### Millivoltmeters

- Millivoltmeters ..... 1
- Aeromotive Engineering Products Ltd. 1.
- Ahearn and Soper Co. Ltd. 1.
- Airmec Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- ARVA Inc. (1).
- Associated Electronic Components Ltd. 1.
- Atlas Instrument Corp. Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Bach-Simpson Ltd. (1).
- Baldwin Industrial Controls 1.
- Barber-Colman of Canada Ltd. (1).
- Bepco Canada Ltd. (1).
- Bern and Company Ltd., Lee 1.
- Burr-Brown Research Corp. 1.
- Cambridge Instrument Co., Ltd. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Research Institute (1).
- Conway Electronic Enterprises Reg'd 1.
- Cooper & Co. Ltd., W. H. 1.
- Crawford Associates, Allan 1.
- Crawford Radio, The 1.
- Daystrom, Ltd. (1).
- DeJur-Amsco Corp., Electronic Sales Div. 1.
- Desser E-E Ltd. 1.
- Electrodesign 1.
- Electro Instruments, Inc. 1.
- Electrolabs 1.

- Electroline Television Equipment Inc. 1.
- Electromechanical Products 1.
- Electronic Components Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Ellis Industries, The J. W. 1.
- English Electric Co. Ltd., The 1.
- Evershed and Vignoles Ltd. 1.
- Finkler Ltd., Len 1.
- Fraser Ltd., George M. 1.
- Glendon Instrument Co. Ltd., The 1.
- P. Gossen & Co. G.m.b.H. 1.
- Greibach Instruments Corp. 1.
- Honeywell Controls Ltd. (1).
- Kin Tel, A Div. of Cohu Electronics, Inc. 1.
- Dipl. Ing. Ulrich Knick 1.
- MEL Sales Ltd. 1.
- Mack Co. Ltd., R. 1.
- Manis Associates Reg'd, Ben (1).
- Mechtron Engineering Products Ltd. 1.
- Metronix, Inc. 1.
- Nichols Ltd., R. H. 1.
- Northern Electric Co. Ltd. 1.
- Payette Radio Ltd. 1.
- Philips Electronics Industries Ltd. (1).
- Precision Apparatus Co., Inc. 1.
- Pye & Co. Ltd., W. G. 1.
- R-O-R Associates Ltd. 1.
- Radiometer 1.
- Radionics Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Record Electrical Co. Ltd., The 1.
- Robinson Co., C. M. 1.
- Ross & Sons Ltd., Frank T. 1.
- Showalter, R. J. 1.
- Sifam Electrical Instrument Co. Ltd. 1.
- Simpson Electric Co. 1.
- Smith Ltd., Irving 1.
- Smyth Electronic Components Ltd. 1.
- Southwestern Industrial Electronics Co. 1.
- Stark Electronic Sales Co. (1).
- Tecneek Associates 1.
- Thermovolt Instruments Ltd. (1).
- Tilton Ltd., John R. 1.
- Triplett Electrical Instrument Co., The 1.
- Varah Ltd., L. A. 1.
- Waldom Electronics Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- West Instrument Corp. 1.
- Whittaker, E. E. 1.
- Wholesale Radio & Electronics Ltd. 1.

### Miniaturization Services

- Miniaturization Services ..... 1
- Amatam Electronic Hardware Co. 1.
- C.G. Electronics Corp. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Centronix Inc. 1.
- Chicago Miniature Lamp Works 1.
- Daystrom Instrument, Div. of Daystrom, Inc. 1.
- Erie Resistor Corp. 1.
- Ferrotran Electronics Co., Inc. 1.
- Hoover Electronics Co. 1.
- MEL Sales Ltd. 1.
- Paragon-Revolute (Canada) Ltd. (1).

### Mixers, Microwave

- Mixers, Microwave ..... 1
- Ahearn and Soper Co. Ltd. 1.
- Aircrom Inc. 1.
- Alirtron Canada Ltd. (1).
- Alirtron Inc., A Div. of Litton Industries 1.
- Atlas Instrument Corp. Ltd. 1.
- Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) 1.
- Brown Boveri (Canada) Ltd. (1).
- Canadian Marconi Co. (1).
- Collins Radio Co. of Canada Ltd. (1).
- Dayrand Ltd. 1.
- Delta Aircraft Equipment Ltd. 1.
- DeMornay-Bonardi, Inc. 1.
- Douglas Microwave Co., Inc. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Empire Devices Products Corp. 1.
- FXR Inc. 1.

### Microwave

#### Transmission Lines

- Microwave Transmission Lines ..... 1

- Frequency Standards 1.
- General Radio Co. 1.
- Instronics Ltd. 1.
- LEL, Inc. 1.
- Lomas, E. G. 1.
- MEL Sales Ltd. 1.
- Microwave Associates, Inc. 1.
- Microwave Systems 1.
- Mitchell Electronics, J. C. E. 1.
- Narda Microwave Corp., The 1.
- Polytechnic Research & Development Co., Inc. 1.
- R-O-R Associates Ltd. 1.
- Radionics Ltd. 1.
- Scientific-Atlanta, Inc. 1.
- Sinclair Radio Labs. Ltd. (1).
- Telerad Mfg. Corp. 1.
- Varah Ltd., L. A. 1.

### Monitors

- AM-FM Transmitter ..... 1
- Frequency ..... 2
- Radar ..... 3
- Video ..... 4
- Ahearn and Soper Co. Ltd. 1-2.
- Airpix Electronics Inc. 2.
- ARVA Inc. (4).
- Atlas Instrument Corp. Ltd. 1-2-4.
- Barvic Engineering Ltd. 1-3-4.
- Beckman/Berkeley Div. 2.
- Beckman Instruments, Inc., Hellpot Div. 2.
- Bendix Aviation Corp., Scintilla Div. 4.
- Biddle Co., James G. 2.
- Blonder-Tongue Laboratories, Inc. 4.
- Blunt Ltd., L. G. 4.
- Canadian Electronics Ltd. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1-2-3-4.
- Canadian Marconi Co. 1-2-3-4.
- Canadian Motorola Electronics Ltd. 1.
- Collins Radio Co. of Canada Ltd. 1-2.
- Control Electronics Co., Inc. 3.
- Conway Electronic Enterprises Reg'd 1-2-3-4.
- Diamond Power Specialty Corp., Electronics Div. 4.
- E.M.I.-Cossor Electronics Ltd. (1)-2-(4).
- E.M.I. Electronics Ltd. 4.
- Electrodesign 2.
- Electromechanical Products 2-3.
- Electronic Research & Development Co. Ltd. (2)-4.
- Electro Sonic Supply Co. Ltd. 1-2.
- Erie Pacific, Div. of Erie Resistor Corp. 2.
- General Radio Co. (Canadian Branch Office) (1)-(2).
- General Radio Co. 1-2-4.
- Hewlett-Packard Co. 1-2.
- Kaar Engineering Corp. 1.
- Kelvin & Hughes (Canada) Ltd. 3.
- Kin Tel, A. Div. of Cohu Electronics, Inc. 4.
- Lampkin Laboratories, Inc. 2.
- Langham Thompson Ltd., J. 2.
- MEL Sales Ltd. 4.
- Marconi's Wireless Telegraph Co. Ltd. 1-3-4.
- Measurement Engineering Ltd. (1).
- Microwave Systems 1.
- Murphy Radio Ltd. 3.
- Northern Electric Co. Ltd. 1-2-4.
- Northern Radio Mfg. Co. Ltd. (1)-(2).
- Philco Corp. of Canada Ltd. 4.
- Pye Canada Ltd., Transmission Div. 1-2-(4).
- RCA Victor Co. Ltd. 1.
- Radionics Ltd. 3.
- Rank Cintel Ltd. 2-4.
- Redifon Canada, A Div. of Redifusion, Inc. 1.
- Sarkes Tarzian, Inc. 4.
- Schomandi, KG 1-2-3.
- Spilsbury & Tindall Ltd. (1).
- Tequipment Mfg. Co. Ltd. 4.
- Tele-Radio Systems Ltd. 1-4.
- Tel-Instrument Electronics Corp. 4.
- Thompson Products Ltd. 4.
- Vector Labs, Inc. (2).

### Motors

- Fractional hp ..... 1
- Gear ..... 2
- Servo ..... 3
- Synchronous ..... 4
- Timing ..... 5
- Aeromotive Engineering Products Ltd. 1-2-3-4.
- Ahearn and Soper Co. Ltd. 1-4.

- Airborne Accessories Corp. 1.
- Aircraft Appliances & Equipment Ltd. 1-3.
- Air-Marine Motors, Inc. 1-2-4.
- Allard Instrument Corp. 1-3.
- Amalgamated Electric Corp. Ltd. (1)-(2)-(4).
- American Superior Electric Co., Ltd. (4).
- Amphenol-Borg Electronics Corp., Borg Equipment Div. 1-3-4.
- Armstrong Ltd., A. T. R. (5).
- Associated Electrical Industries (Canada) Ltd. (1)-(3)-(4).
- Atlas Radio Corp. Ltd. 1.
- Aviation Electric Ltd. 1-2-3-4.
- Aviation Electric Pacific Ltd. 3.
- Barber-Colman of Canada Ltd. (1).
- Barber-Colman Co. 1-2-3-4-5.
- Beckman Instruments Inc. (3).
- Beckman Instruments, Inc., Hellpot Div. 3.
- Bendix Aviation Corp., Bendix-Pacific Div. 1-2-4-5.
- Bristol Motor Div., Vocaline Co. of America 4-5.
- Burlec Sales Ltd. 1-4-5.
- Canadian Fairbanks-Morse Co. Ltd., The (1)-(2)-(3)-(4)-(5).
- Canadian Pratt and Whitney Aircraft Co., Ltd. 3.
- Carter Motor Co. 1-2.
- Clark Ltd., Alex L. 4.
- Constellation Components Co. 2-3.
- Dale Products, Inc. 1-4.
- Davis Automatic Controls Ltd. 1-4-5.
- Daystrom, Ltd. 3.
- Deskin Sales Co., A. 1-3.
- Diehl Manufacturing Co. 1-2-3.
- Dominion Electrohome Industries Ltd. (1).
- Eagle Signal Co. 4-5.
- Electrodesign 3.
- Electrolabs 5.
- Electro Sonic Supply Co. Ltd. 1-4-5.
- English Electric Co. Ltd., The 1-2-4.
- Evershed and Vignoles Ltd. 1-2-3-4.
- Fasco Industries, Inc. 1.
- Garrett Mfg. Corp. of Canada, Ltd., The (1)-(2)-(3)-(4).
- General Controls Co. (Canadian Branch Office) (1).
- General Radio Co. (Canadian Branch Office) (1).
- General Sound & Theatre Equipment Ltd. 1.
- Gleason-Avery Inc. 1-2-4-5.
- Hackbusch Electronics Ltd. 5.
- Haydon Co., The A. W. 1-2-4-5.
- Herring & Co. Ltd., John 1-2-3-4-5.
- Higginson Equipment Sales Ltd. 1-2-4-5.
- Honeywell Controls Ltd. (3)-(4).
- Hoover Co. Ltd., The (1).
- Horstmann Gear Co. Ltd., The 4.
- Howard & Co. Ltd., M. J. 1-2-3-4.
- Howard Industries Inc. 1-2-3-4.
- Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd. 1.
- Ingraham Canadian Clock Co. Ltd. (2)-(4)-(5).
- Kahnert Sales Ltd., R. C. 5.
- Kelvin & Hughes (Canada) Ltd. 1-3-4.
- Kelvin & Hughes Ltd. 1-3-4-5.
- Leland Electric Canada Ltd. (1)-2-3-4.
- Leonard Electric Ltd. 1-2-3-4-5.
- Lisle Instrument Systems 5.
- Lucas-Rotax Ltd. (1).
- Moore Bros. Machinery Co. Ltd. 1.
- Muirhead Instruments Ltd. (3)-(4).
- Muirhead & Co. Ltd. 3.
- Oster Mfg. Co., John — Avionic Div. 1-2-3.
- Pointon Ltd., Charles W. 1.
- Railway & Power Engineering Corp. Ltd. 1-2-3-4.
- Randall (Canada) Ltd., Douglas 2-3.
- Robbins & Myers Co. of Canada Ltd., The (1)-(2).
- Rotating Components, Inc. 1-2-3-4.
- Sangamo Electric Co. 1-3-4-5.
- Seabreeze Sales Ltd. (1).
- Servomechanisms (Canada) Ltd. 2-3-4.
- Smith Ltd., Irving 1.
- Sperry Gyroscope Co. of Canada Ltd. 3-4.
- Standard Telephones & Cables Mfg. Co. of (Canada) Ltd. 1.
- Superior Electric Co., The 4.
- Tecneek Associates 5.
- Thompson Ltd., Chas. L. 4-5.

- Universal Electric Co. 1-5.
- Varah Ltd., L. A. 1-5.
- Vocaline Co. of America, Inc. 4-5.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Whittaker, E. E. 1-2-3-4-5.
- Wholesale Radio & Electronics Ltd. 5.

### Mountings, Shock

- Mountings, Shock ..... 1
- Airflite Components Co. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Aviation Electric Ltd. 1.
- Aviation Electric Pacific Ltd. 1.
- Barry Controls, Inc. 1.
- Collins Radio Co. of Canada Ltd. (1).
- Electronic Materials International Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1.
- Felters Co., The 1.
- Kaar Engineering Corp. 1.
- Lord Manufacturing Co. 1.
- Radio Trade Supply Ltd. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Raybestos-Manhattan, Inc., Manhattan Rubber Div. 1.
- Smith Ltd., Irving 1.
- United-Carr Fastener Co. of Canada Ltd. 1.
- Varah Ltd., L. A. 1.
- Watkins Co. Ltd., W. R. 1.

### Mounts, Antenna

- Mounts, Antenna ..... 1
- Alpha Aracon Radio Co. Ltd. 1.
- Antenna Specialists Co., The 1.
- Antlab Inc. 1.
- Barvic Engineering Ltd. 1.
- Beama Engineering Ltd. (1).
- Buckland Co., Robert J. 1.
- Burgess, Norris 1.
- C.G. Electronics Corp. 1.
- Canadian Electronics Ltd. 1.
- Collins Radio Co. of Canada Ltd. 1.
- Dayrand Ltd. 1.
- Electromechanical Products 1.
- Electro Sonic Supply Co. Ltd. 1.
- Hackbusch Electronics Ltd. 1.
- Hummel, William M. 1.
- Kaar Engineering Corp. 1.
- Lindsay Antenna & Specialty Products Ltd. (1).
- MacQuarrie Sales, J. J. 1.
- McCarter Radio & Television Ltd. (1).
- Micro-Tower Ltd. (1).
- Microwave Systems 1.
- Mosley Electronics, Inc. 1.
- Nems-Clarke Co., Div. of Vitro Corp. of America 1.
- Norrlich Plastics Corp., Div. Norrich Screw Machine Products 1.
- Pointon Ltd., Charles W. 1.
- RCA Victor Co. Ltd. (1).
- Radio Trade Supply Ltd. 1.
- Sinclair Radio Labs. Ltd. (1).
- Tequipment Mfg. Co. Ltd. 1.
- Tenatronics Ltd. (1).
- Varah Ltd., L. A. 1.
- Western Agencies Ltd. 1.
- Wind Turbine Co. of Canada Ltd., The (1).

### Multiplex Systems

- Multiplex Systems ..... 1
- Ahearn and Soper Co. Ltd. 1.
- Beaconing Optical & Precision Materials Co. Ltd. (BOP Ltd.) 1.
- Beama Engineering Ltd. (1).
- Bogen-Presto Co. 1.
- Brown Boveri (Canada) Ltd. (1).
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Collins Radio Co. of Canada Ltd. (1).
- Cubic Corp. 1.
- Delta Aircraft Equipment Ltd. 1.
- Domac Technical Sales Ltd. 1.
- Hackbusch Electronics 1.
- Lenkurt Electric Co. of Canada Ltd. (1).
- Lynch Carrier Systems Inc. 1.
- Marconi's Wireless Telegraph Co. Ltd. 1.
- Merritt Co., Ron 1.
- Microwave Systems 1.
- Northern Electric Co. Ltd. (1).
- Northern Radio Co., Inc. 1.
- RCA Victor Co. Ltd. (1).
- Radio Trade Supply Ltd. 1.

- Rank Cintel Ltd. 1.
- Redifon Ltd. 1.
- Siemens Edison Swan (Canada) Ltd. 1.
- Sinclair Radio Labs. Ltd. (1).
- T.M.C. (Canada) Ltd. (1).
- Tele-Radio Systems Ltd. 1.
- Westbury Electronics (Canada) Ltd. 1.

### Multipliers

- Crystal ..... 1
- Diode ..... 2
- Electronic ..... 3
- Frequency ..... 4
- Magnetic ..... 5
- Meter ..... 6
- Servo ..... 7
- Aeromotive Engineering Products Ltd. 6-7.
- Ahearn and Soper Co. Ltd. 4.
- Alpha Aracon Radio Co. Ltd. 1-2-6.
- Associated Electronic Components Ltd. 6.
- Atlas Instrument Corp. Ltd. 4.
- Bayly Engineering Ltd. 4.
- Beckman/Berkeley Div. 3-7.
- Bulova Watch Co., Electronics Div. 1-4.
- Canadian Marconi Co. (4).
- Central Dynamics Ltd. (1).
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7.
- DeMornay-Bonardi, Inc. 1-4.
- Douglas Microwave Co., Inc. 1-4.
- Electrodesign 7.
- Electro Sonic Supply Co. Ltd. 4-6.
- Engineered Magnetics Div., Gulton Industries Inc. 5.
- Epsco, Inc. 3.
- FXR Inc. 1.
- Frequency Standards 1-4.
- General Radio Co. (Canadian Branch Office) (4).
- General Radio Co. 4.
- Hammer Electronics Co. Inc. 3.
- Hermes Electronics Co. (New name for Hycon-Eastern Inc.) 4.
- Herring & Co. Ltd., John 4.
- Industrial Test Equipment Co. 3.
- Instronics Ltd. 3.
- International Business Machines Co. Ltd. (3).
- International Computers & Tabulators Ltd. 3.
- Dipl. Ing. Ulrich Knick 6.
- Lake Engineering Co. Ltd. 1.
- Lomas, E. G. 1-2.
- Manson Laboratories, Inc. 4.
- MEL Sales Ltd. 1-7.
- Narda Microwave Corp., The 1.
- Norman Laboratories, Ernst 1-4.
- Northern Radio Mfg. Co. Ltd. (1)-(4).
- Philbrick Researches, Inc., George A. 3.
- Polytechnic Research & Development Co., Inc. 4.
- R-O-R Associates Ltd. 1-3-7.
- Radionics Ltd. 3-4.
- Radio Trade Supply Ltd. 1-2-3-4.
- Rank Cintel Ltd. 3.
- Reeves Instrument Corp. 2-3-7.
- Schomandi KG 1-4.
- Smyth Electronic Components Ltd. 2.
- T.M.C. (Canada) Ltd. (4).
- Tecneek Associates 7.
- Whittaker, E. E. 7.
- Willard Spenser Co. 3-4-5-7.
- Altec Lansing Corp. 1.
- Barvic Engineering Ltd. (1).
- Beama Engineering Ltd. (1).
- Bogen-Presto Co. 1.
- Canadian Communication Systems 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Clark Ltd., Alex L. 1.
- D & B Sound and Signals Inc. 1.
- E.M.I.-Cossor Electronics Ltd. 1.
- Electrolabs 1.
- Electronic Research & Development Co. Ltd. (1).
- Electronic Specialties (1).
- Electro Sonic Supply Co. Ltd. 1.
- Electro-Vox Inc. (1).
- Executone Communication Systems Ltd. (1).
- Genz & Holz Canada Ltd. 1.
- General Sound & Theatre Equipment Ltd. 1.

### Music Systems, Industrial and Commercial

- Music Systems, Industrial & Commercial ..... 1

- Gould Sales Co., E. S. 1.
- Hackbusch Electronics Ltd. 1.
- Industrial & Institutional Communications Ltd. 1.
- Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 1.
- Kahnert Sales Ltd., R. C. 1.
- MacIvor Electronics Ltd. 1.
- MacQuarrie Sales, J. J. 1.
- National Sound Services Ltd. (1).
- Peffer Sound Systems Ltd. (1).
- Prince and Roberts 1.
- RCA Victor Co. Ltd. (1).
- Radio Trade Supply Ltd. 1.
- Rauland-Borg Corp. 1.
- Redifon Canada, A Div. of Redifusion Inc. 1.
- Research Instrumentation Ltd. (1).
- Simpson Mfg. Co. Inc., Mark 1.
- Smyth Electronic Components Ltd. 1.
- Soundmaster Ltd. (1).
- Telecom Ltd. 1.
- Thompson Ltd., Chas. L. 1.
- Tilton Ltd., John R. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

**Needles**

|                |   |
|----------------|---|
| Cutting .....  | 1 |
| Diamond .....  | 2 |
| Playback ..... | 3 |

- Active Radio & TV Ltd. 2-3.
- Alpha Aracon Radio Co. Ltd. 1-2-3.
- Armstrong Ltd., A. T. R. (1)-(2)-(3).
- Atlas Radio Corp. Ltd. 1-2-3.
- Audio Devices, Inc. 1-3.
- Barvic Engineering Ltd. 1-2-3.
- Bern and Company Ltd., Lee 1-2-3.
- Canadian Astatic Ltd. 2-(3).
- Canadian Electrical Supply Co. Ltd. 1-2-3.
- Canadian Electronics Ltd. 1-2-3.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1-2-3.
- Canadian General Electric Co. Ltd., Electronic Tube Section (Radiovalve Co. Ltd.) 3.
- Clark Ltd., Alex L. 1-2-3.
- Cohen Ltd., William 3.
- Crawford Radio, The 2-3.
- Electro Sonic Supply Co. Ltd. 1-2-3.
- Fidelltone, Inc. 1-2-3.
- Geerz & Holm, Canada Ltd. 2-3.
- Glendon Co. Ltd., The 2-3.
- Hackbusch Electronics Ltd. 2.
- Kahnert Sales Ltd., R. C. 3.
- Mack Co. Ltd., R. 3.
- Merritt Co., Ron 1-2-3.
- Miller Mfg. Co., M. A. 1-2-3.
- Musimart of Canada, Ltd. 2-3.
- Payette Radio Ltd. 1-2-3.
- Pickering and Company, Inc. 2-3.
- Pointon Ltd., Charles W. 1-2-3.
- Radio Trade Supply Ltd. 1-2-3.
- Robinson Co., C. M. 1-2-3.
- Smyth Electronic Components Ltd. 3.
- Tasso Agencies, Emile 2.
- Thompson Ltd., Chas. L. 1-2-3.
- Tilton Ltd., John R. 2-3.
- Varah Ltd., L. A. 1-2-3.
- Waterloo Electronics Supply Co. Ltd. 1-2-3.
- Western Agencies Ltd. 1-2-3.
- Wholesale Radio & Electronics Ltd. 1-2-3.

**Networks**

|                     |   |
|---------------------|---|
| Crossover .....     | 1 |
| Matching .....      | 2 |
| Pulse Forming ..... | 3 |

- Aircraft-Marine Products of Canada, Ltd. (3).
- Altec Lansing Corp. 1.
- Associated Electronic Components Ltd. 1.
- Bayly Engineering Ltd. (1)-(2)-(3).
- Barvic Engineering Ltd. (1)-(2)-(3).
- Bern and Company Ltd., Lee 1.
- Blonder-Tongue Laboratories, Inc. 2.
- Burgess, Norris 1-2.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Clark Ltd., Alex L. 1.
- Coll Winders, Inc. 2.
- Control Electronics Co., Inc. 3.
- Conway Electronic Enterprises Reg'd 1-2-3.
- Cornell-Dubilier Electric Corp. 3.

- Dayrand Ltd. 2.
- Daystrom, Ltd. 1.
- ESC Corp. 3.
- E.M.I.-Cossor Electronics Ltd. 1.
- Electromechanical Products 3.
- Electro Sonic Supply Co. Ltd. 1-2.
- Engineered Sound Systems Ltd. (1).
- Filtrom Co., Inc. 3.
- Finkler Ltd., Len 1.
- General Sound & Theatre Equipment Ltd. 1.
- Goodmans Industries Ltd. 1.
- Hackbusch Electronics Ltd. 1-2.
- Kelvin Electric Co. 2.
- Lake Engineering Co. Ltd. 3.
- Lenkurt Electric Co. of Canada Ltd. (2).
- MacIvor Electronics Ltd. 1.
- Mack Co. Ltd., R. 1.
- Merritt Co., Ron 1.
- Painton & Co. Ltd. 2.
- Parsons Co., The Ralph M. — Electronics Div. 3.
- Payette Radio Ltd. 1.
- Peffer Sound Systems Ltd. 1.
- Plessey Co. of Canada Ltd. (1).
- Pointon Ltd., Charles W. 1.
- Racon Electric Co. Inc. 1.
- Radio Trade Supply Ltd. 1-2-3.
- Randall (Canada) Ltd., Douglas 3.
- Reproducers and Amplifiers Ltd. 1.
- Shallcross Mfg. Co. 2.
- Sherwood Electronic Laboratories, Inc. 1.
- Smyth Electronic Components Ltd. 1.
- Standard Television Products Ltd. (1).
- Struthers-Dunn Relays, Div. of Renfrew Electric Co. Ltd. (1)-(2).
- T.M.C. (Canada) Ltd. (2).
- Tempo Instrument Inc. 3.
- Thompson Ltd., Chas. L. 1-2.
- Tilton Ltd., John R. 3.
- University Loudspeakers, Inc. 1.
- Varah Ltd., L. A. 1.
- Western Agencies Ltd. 1.
- White Radio Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

**Ohmmeters**

|                 |   |
|-----------------|---|
| Ohmmeters ..... | 1 |
|-----------------|---|

- Ahearn and Soper Co. Ltd. 1.
- Airmec Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Associated Electronic Components Ltd. 1.
- Associated Research, Inc. 1.
- Atlas Instrument Corp. Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Bach-Simpson Ltd. (1).
- Baldwin Industrial Controls 1.
- Bergen Laboratories Inc. 1.
- Bern and Company Ltd., Lee 1.
- Burgess, Norris 1.
- Cambridge Instrument Co., Ltd. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Research Institute (1).
- Conway Electronic Enterprises Reg'd 1.
- Cooper & Co. Ltd., W. E. 1.
- Crawford Radio, The 1.
- Cubic Corp. 1.
- Daystrom, Ltd. (1).
- E.M.I.-Cossor Electronics Ltd. 1.
- Electrodesign 1.
- Electro Instruments, Inc. 1.
- Electrolabs 1.
- Electromechanical Products 1.
- Electronic Components Ltd. 1.
- Electronic Instrument Co., Inc. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Ellis Industries, The J. W. 1.
- Epsco, Inc. 1.
- Evershed and Vignoles Ltd. 1.
- Finkler Ltd., Len 1.
- Franklin Electronics Inc. 1.
- Glendon Instrument Co. Ltd., The 1.
- P. Gossen & Co. G.m.b.H. 1.
- Greibach Instruments Corp. 1.
- Hackbusch Electronics Ltd. 1.
- Herring & Co. Ltd., Jack 1.
- Hymac Corp. 1.
- Industrial Instruments, Inc. 1.
- Lisle Instrument Systems 1.
- Mack Co. Ltd., R. 1.
- Manis Associates Reg'd, Ben (1).
- Merritt Co., Ron 1.
- Nichols Ltd., R. H. 1.
- Non-Linear Systems Inc. 1.
- Northern Electric Co. Ltd. 1.
- Paco Electronics Co., Inc. 1.
- Payette Radio Ltd. 1.

- Phillips Electronics Industries Ltd. (1).
- Precision Apparatus Co., Inc. 1.
- Pye & Co. Ltd., W. G. 1.
- RCA Victor Co. Ltd. 1.
- Radionics Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Record Electrical Co. Ltd., The 1.
- Robinson Co., C. M. 1.
- S.I.D.A.M. Ltd. 1.
- Seco Mfg. Co. 1.
- Shallcross Mfg. Co. 1.
- Simpson Electric Co. 1.
- Smith Ltd., Irving 1.
- Southwestern Industrial Electronics Co. 1.
- Stark Electronic Sales Ltd. (1).
- Tasso Agencies, Emile 1.
- Tecneek Associates 1.
- Thermovolt Instruments Ltd. 1.
- Tilton Ltd., John R. 1.
- Trio Laboratories, Inc. 1.
- Varah Ltd., L. A. 1.
- Waldom Electronics Inc. 1.
- Western Agencies Ltd. 1.
- Whiteley Electrical Radio Co. Ltd. 1.
- Whittaker, E. E. 1.
- Wholesale Radio & Electronics Ltd. 1.

**Optical Equipment**

|                         |   |
|-------------------------|---|
| Optical Equipment ..... | 1 |
|-------------------------|---|

- Baird-Atomic, Inc. 1.
- Beaconing Optical & Precision Materials Co. Ltd. (B.O.P. Ltd.) (1).
- Beckman Instruments Inc. (1).
- Canadian Research Institute (1).
- Conway Electronic Enterprises Reg'd 1.
- Edwards High Vacuum (Canada) Ltd. (1).
- Electrolabs 1.
- General Sound & Theatre Equipment Ltd. 1.
- Glendon Instrument Co. Ltd., The 1.
- Tecneek Associates 1.

**Oscillators**

|                             |    |
|-----------------------------|----|
| Audio Fork Controlled ..... | 1  |
| Audio Frequency .....       | 2  |
| Cavity .....                | 3  |
| Crystal .....               | 4  |
| Grid Dip-High .....         | 5  |
| Microwave Power .....       | 6  |
| Oven Crystal Control .....  | 7  |
| Radio Frequency .....       | 8  |
| Sweeping .....              | 9  |
| Ultrasonic .....            | 10 |

- Adams Engineering Ltd. 2.
- Ahearn and Soper Co. Ltd. 2-8-9.
- Airborne Instruments Lab., A Div. of Cutler-Hammer, Inc. 3-6-8.
- Airmec Ltd. 2-4-7-8.
- Alpha Aracon Radio Co. Ltd. 2-4-5-8.
- American Time Products, Inc. 1.
- Antlab Inc. 1.
- Atlas Instrument Corp. Ltd. 2-9-10.
- Atlas Radio Corp. Ltd. 2.
- Automatic Telephone & Electric Co. Ltd. 2.
- Avtek Systems Engineering Ltd. (8).
- Bach-Simpson Ltd. 2-5-8-9.
- Bayly Engineering Ltd. (2)-8.
- Beaconing Optical & Precision Materials Co. Ltd. (B.O.P. Ltd.) (3)-(6)-(8).
- Beechey Enterprises 4-7.
- Bepco Canada Ltd. (1)-(10).
- Biddle Co., James G. 2-8.
- Branson Instruments, Inc. and Branson Ultrasonic Corp. 10.
- A/S Bruel & Kjaer 2-9-10.
- Bulova Watch Co. Electronics Div. 2-4-7-8-9.
- Burgess, Norris 2-4-8-9.
- Burr-Brown Research Corp. 2.
- C.G. Electronics Corp. 2-6-8.
- California Technical Industries Div. of Textron Inc. 6.
- Canadian Aviation Electronics Ltd. (2)-(8).
- Canadian Electrical Supply Co. Ltd. 2-4-8-9.
- Canadian Electronics Ltd. 2-8.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 2-8.
- Canadian Marconi Co. 2-4-(6)-7-8.
- Canadian Research Institute (2)-(4)-(5)-(8)-(10).
- Canadian Westinghouse Co. Ltd. (2)-(3)-(4)-(6)-(8)-(9).

- Clough-Bregle Co., The 2-8-9.
- Collins Radio Co. of Canada Ltd. (8).
- Constellation Components Co.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9-10.
- Crawford Associates, Allan 1-2-3-6.
- Crawford Radio, The 2-4.
- Daystrom, Ltd. 2-4-5-8-9.
- Deskin Sales Co., A. 4.
- Di/An Controls, Inc. 2.
- Dymec, A Div. of Hewlett-Packard 2-9.
- E.M.I.-Cossor Electronics Ltd. 2-(3)-4-8-9-10.
- E.M.I. Electronics Ltd. 3-6.
- Elder Electronics 10.
- Electrodesign 2-7-8.
- Electrolabs 10.
- Electroline Television Equipment Inc. 9.
- Electromechanical Products 1-2-3-6-8-10.
- Electronic Research Associates, Inc. 2.
- Electronics International Co. 2-7.
- Electro Sonic Supply Co. Ltd. 2-3-4-5-7-8-9.
- Engineered Sound Systems Ltd. 2.
- FXR Inc. 6.
- Ferrotran Electronics Co., Inc. 8.
- General Communications Co. 2-8.
- General Radio Co. (Canadian Branch Office) (2)-(8).
- General Radio Co. 1-2-4-8-10.
- Glendon Instrument Co. Ltd., The 2-3-6-8.
- Goodmans Industries Ltd. 2.
- Gray Ltd., H. Roy 5.
- Hackbusch Electronics Ltd. 2-8.
- Hermes Electronics Co. (New name for Hycon-Easter Inc.) 4-7.
- Hewlett-Packard Co. 2-6-8-9.
- Industrial Test Equipment Co. 1-2.
- Industron Corp. 9.
- Instronics Ltd. 2.
- Jackson Electrical Instrument Co., The 2-9.
- Jerrold Electronics (Canada) Ltd. (9).
- Johnson Co., E. F. 8.
- Kay Electric Co. 2-8-9-10.
- Keith Mercer Co. Ltd. 3-7.
- Kelvin & Hughes (Canada) Ltd. 10.
- Kelvin & Hughes Ltd. 10.
- Kidde & Co. of Canada Ltd., Walter (10).
- Lake Engineering Co. Ltd. 7.
- Lomas, E. G. 1-4.
- MEL Sales Ltd. 1-2-3-5-6-8-9-10.
- Manson Laboratories, Inc. 4-7-8.
- Marconi's Wireless Telegraph Co. Ltd. 2-8.
- Measurement Engineering Ltd. (2)-10.
- Mechron Engineering Products Ltd. 2.
- Merritt Co., Ron 2-5-8-9.
- Microwave Systems 1.
- Monitor Products Co. 4-7-8.
- Moore Associates, Inc. 2.
- Muirhead Instruments Ltd. 2.
- Muirhead & Co. Ltd. 1-2-10.
- Norrman Laboratories, Ernst 4-7-8.
- Northern Radio Co., Inc. 8.
- Northern Radio Mfg. Co. Ltd. (7).
- Ohio Crankshaft Co., The — Tocco Div. 8.
- Paco Electronics Co., Inc. 8.
- Phillips Electronics Industries Ltd. (2).
- Polarad Electronics Corp. 3-6-9.
- Polytechnic Research & Development Co., Inc. 6.
- Precision Apparatus Co., Inc. 2-8-9.
- Pye Canada Ltd., Transmission Div. 7.
- Pye & Co. Ltd., W. G. 2.
- RCA Victor Co. Ltd. (2)-(8)-(9).
- R-O-R Associates Ltd. 2-3-6-8.
- Racal Engineering Ltd. 4.
- Radiometer 2-8-9.
- Radionics Ltd. 2-6-8-9.
- Radio Trade Supply Ltd. 1-4-5-8-9.
- Rank Cintel Ltd. 2-4-5-7-8-9.
- Raytheon Canada Ltd. (10).
- Redifon Ltd. 7.
- Research Instrumentation Ltd. (2)-(3)-(10).
- Schomandi, KG. 4-6-7-8.
- Scientific-Atlanta, Inc. 1-6.
- Sheppard, R. D. B. 6.
- Siemens Edison Swan (Canada) Ltd. 2.
- Sierra Electronic Corp. 3-6-8.

- Sinclair Radio Labs. Ltd. (3)-(6).
- Smyth Electronic Components Ltd. 1-2-3-6-8.
- Snelgrove Co. Ltd., C. R. (4)-(7).
- Southwestern Industrial Electronics Co. 2.
- T.M.C. (Canada) Ltd. (4)-(7)-(8).
- Tatnall Measuring and Nuclear Systems 10.
- Telerad Mfg. Corp. 3-6.
- Tel-Instrument Electronics Corp. 1-4-7-8-9.
- Tilton Ltd., John R. 9.
- Tinsley Instruments (Canada) Ltd. (1).
- Titania Electric Corp. of Canada Ltd. 10.
- Topping Electronics Ltd., F. V. (8).
- TranSonic Ltd. (10).
- Triad Instruments & Controls Ltd. (2)-(10).
- Varah Ltd., L. A. 1-7.
- Vari-L Company, Inc. 9.
- Venner Electronics Ltd. 2-4.
- Waterloo Electronics Supply Co. Ltd. 8.
- Western Agencies Ltd. 2-4-8-9.
- Whiteley Electrical Radio Co. Ltd. 2.
- Wholesale Radio & Electronics Ltd. 2-5-8-9.
- Willard Spenser Co. 4.

### Oscillographs

|                    |   |
|--------------------|---|
| Cathode Ray Camera | 1 |
| Direct Writing     | 2 |
| Recording          | 3 |

- Ahearn and Soper Co. Ltd. 1-2-3.
- Atlas Instrument Corp. Ltd. 1.
- Aviation Electric Pacific Ltd. 1.
- ARVA Inc. (2)-(3).
- Bayly Engineering Ltd. (1)-(2)-(3).
- Brush Instruments 2.
- Cambridge Instrument Co. Ltd. 3.
- Conway Electronic Enterprises Reg'd 1-2-3.
- Canadian Research Institute 2-3.
- Centronix Inc. 2-3.
- Cossor Instruments Ltd. 1.
- Crawford Associates, Allan 2-3.
- E.M.I.-Cossor Electronics Ltd. (1).
- Electrodesign 1-2-3.
- Electrolines Television Equipment Inc. 1.
- Electromechanical Products 1-2-3.
- Electronic Tube Corp. 1.
- Ellis Industries, The J. W. 1-2-3.
- Garrett Mfg. Corp. of Canada, Ltd. The 2-3.
- Hamilton Watch Co. 3.
- Helland Div., Minneapolis-Honeywell 2-3.
- Honeywell Controls Ltd. (3).
- Instronics Ltd. 1-3.
- Kelvin & Hughes Ltd. 2.
- MEL Sales Ltd. 1.
- Nagard Ltd. 1.
- Nichols Ltd., R. H. 2.
- Phillips Electronics Industries Ltd. (1)-(2)-(3).
- Photon Instrument Co. 2-3.
- R-O-R Associates Ltd. 2-3.
- Radionics Ltd. 1.
- Rank Cintel Ltd. 1-2-3.
- Sanborn Co. 2-3.
- Southern Instruments Ltd. 1-2-3.
- Southwestern Industrial Electronics Co. 2-3.
- Wholesale Radio & Electronics Ltd. 1.
- Wickman Ltd., A. C. 2.

### Oscilloscopes

|             |   |
|-------------|---|
| Cathode Ray | 1 |
| Portable    | 2 |

- Advanced Electronics Mfg. Corp. 1.
- Ahearn and Soper Co. Ltd. 1-2.
- Airmec Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Atlas Instrument Corp. Ltd. 1.
- Atlas Radio Corp. Ltd. 1-2.
- Aviation Electric Pacific Ltd. 1-2.
- Bach-Simpson Ltd. (1).
- Bayly Engineering Ltd. (1)-(2).
- Bern and Company Ltd., Lee 1-2.
- Burgess, Norris 1-2.
- Canadian Electrical Supply Co. Ltd. 1-2.
- Canadian Electronics Ltd. 1-2.
- Canadian Marconi Co., Electronic Tube & Components Div. 1-2.
- Conway Electronic Enterprises Reg'd 1-2.

- Cossor Instruments Ltd. 1-2.
- Crawford Radio, The 1.
- Daystrom, Ltd. 1.
- Domac Technical Sales Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. (1)-(2).
- E.M.I. Electronics Ltd. 1-2.
- Electrodesign 1.
- Electro Instruments, Inc. 2.
- Electrolines Television Equipment Inc. 1-2.
- Electromechanical Products 1.
- Electronic Instrument Co., Inc. 1.
- Electronic Tube Corp. 1-2.
- Electro Sonic Supply Co. Ltd. 1-2.
- Finkler Ltd., Len 1.
- Hackbusch Electronics Ltd. 1-2.
- Hewlett-Packard Co. 1.
- Howard & Co. Ltd., M. J. 2.
- Hughes Products 1-2.
- Hymac Corp. 1-2.
- Instronics Ltd. 1-2.
- Jackson Electrical Instrument Co., The 1.
- Kelvin & Hughes (Canada) Ltd. 2.
- Kingston Electronics, Div. of Kingston Industries, Inc. 1-2.
- MEL Sales Ltd. 1-2.
- Merritt Co., Ron 1.
- Micrometrical Mfg. Co. 1.
- Nagard Ltd. 1.
- Northern Radio Mfg. Co. Ltd. (1).
- Paco Electronics Co., Inc. 1.
- Payette Radio Ltd. 1.
- Philbrick Researches, Inc., George A. 1.
- Philips Electronics Industries Ltd. (1)-(2).
- Precision Apparatus Co., Inc. 1.
- RCA Victor Co. Ltd. (1).
- R-O-R Associates Ltd. 1.
- Radiometer 1.
- Radio Trade Supply Ltd. 1-2.
- Rank Cintel Ltd. 1.
- Ribet-Desjardins 1-2.
- Robinson Co., C. M. 2.
- Rutherford Agencies 1.
- Siemens Edison Swan (Canada) Ltd. 2.
- Sierra Electronic Corp. 1.
- Simpson Electric Co. 1-2.
- Smith Ltd., Irving 1-2.
- Southern Instruments Ltd. 1.
- Spivey, Inc., James S. 1.
- Stark Electronic Sales Co. (1)-(2).
- Tecneek Associates 1-2.
- Tektronix Inc. (1)-(2).
- Tektronix Inc. (Portland, Oregon) 1-2.
- Tele-Radio Systems Ltd. 1.
- Tilton Ltd., John R. 1-2.
- Trad Electronics Corp. 1-2.
- Triplet Electrical Instrument Co., The 1-2.
- Varah Ltd., L. A. 1-2.
- Waterloo Electronics Supply Co. Ltd. 1.
- Waterman Products Company, Inc. 1-2.
- Western Agencies Ltd. 1-2.
- Wholesale Radio & Electronics Ltd. 1-2.

### Ovens

|                  |   |
|------------------|---|
| Crystal          | 1 |
| Electric         | 2 |
| Infra-Red Drying | 3 |

- Ahearn and Soper Co. Ltd. 1.
- Beechey Enterprises 1-2-3.
- Blue M Electric Co. 2.
- Buckland Co., Robert J. 1.
- Bulova Watch Co., Electronics Div. 1-2.
- Canadian Chromalox Co. Ltd., The (2)-(3).
- Canadian Electronics Ltd. 1.
- Catterton-Smith Ltd., R. M. 2.
- Collins Radio Co. of Canada Ltd. 1.
- Conrad Inc. 2.
- Conway Electronic Enterprises Reg'd 2.
- Croven Ltd. (1).
- Despatch Oven Co. 2.
- DeVilbiss (Canada) Ltd. (3).
- Edwards High Vacuum (Canada) Ltd. (1).
- Electrodesign 1.
- Electrolabs 2.
- Electro Sonic Supply Co. Ltd. 1.
- Engelhard Industries of Canada Ltd. (3).
- Erwood Inc. 1.
- Fisher Scientific Co. Ltd. (2).
- Garrett Mfg. Corp. of Canada, Ltd., The 1.
- General Radio Co. (Canadian Branch Office) (1).

- Hackbusch Electronics Ltd. 1.
- Instronics Ltd. 1.
- Keith Mercer Co. Ltd. 1.
- Kinney Mfg. Div., The New York Air Brake Co. 2.
- Lake Engineering Co. Ltd. 1.
- Manis Associates Reg'd, Ben (1).
- Manson Laboratories, Inc. 1.
- Marconi's Wireless Telegraph Co. Ltd. 1.
- Monitor Products Co. 1.
- Northern Electric Co. Ltd. 3.
- Payette Radio Ltd. 1.
- Radionics Ltd. 2.
- Redifon Ltd. 1.
- Robertshaw-Fulton Controls Co., Aeronautical & Instrument Div. 1.
- Robinson Co., C. M. 1.
- S.I.D.A.M. Ltd. 2.
- Snelgrove Co., Ltd., C. R. (1).
- Tatnall Measuring and Nuclear Systems 2.
- Tecneek Associates 2.
- Thermovolt Instruments Ltd. 2.
- Tregaskiss Sales Co., William 2.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.

### Packaging Materials

|                     |   |
|---------------------|---|
| Packaging Materials | 1 |
|---------------------|---|

- Armour Alliance Industries and Armour & Co. 1.
- Brady Co. of Canada Ltd., W. H. (1).
- Connecticut Hard Rubber Co. 1.
- Daubert Chemical Co. 1.
- Du Pont of Canada Ltd. (1).
- Hathaway, Kraemer Ltd. (1).
- MacQuarrie Sales, J. J. 1.
- Manis Associates Reg'd, Ben (1).
- Minnesota Mining & Mfg. of Canada Ltd. (1).
- Railway & Power Engineering Corp. Ltd. 1.

### Paging Systems

|                |   |
|----------------|---|
| Paging Systems | 1 |
|----------------|---|

- Active Radio & TV Ltd. 1.
- Ahearn and Soper Co. Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Altec Lansing Corp. 1.
- Automatic Telephone & Electric Co. Ltd. 1.
- Barvic Engineering Ltd. (1).
- Beama Engineering Ltd. (1).
- Bern and Company Ltd., Lee 1.
- Bliss Electronic Corp. 1.
- Bogen-Presto Co. 1.
- Buckland Co., Robert J. 1.
- Burgess, Norris 1.
- Canadian Communication Systems 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Motorola Electronics Ltd. (1).
- Conway Electronic Enterprises Reg'd 1.
- D & B Sound and Signals Inc. 1.
- Diamond Power Specialty Corp., Electronics Div. 1.
- Dominion Machinery & Equipment Co. Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- Electrolabs (1).
- Electrolines Television Equipment Inc. 1.
- Electronic Associates Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1.
- Engineered Sound Systems Ltd. (1).
- Execution Communication Systems Ltd. (1).
- Fraser Ltd., George M. 1.
- Geerz & Holm Canada Ltd. 1.
- General Sound & Theatre Equipment Ltd. 1.
- Hackbusch Electronics Ltd. 1.
- Hart Electronics Ltd. 1.
- Industrial & Institutional Communications Ltd. 1.
- Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 1.
- International Business Machines Co. Ltd. 1.
- Kahmert Sales Ltd., R. C. 1.
- Kitchener Electronic Industries Ltd. (1).
- MacIvor Electronics Ltd. 1.
- Measurement Engineering Ltd. (1).
- Multitone of Canada Ltd. (1).
- Multitone Electric Co. Ltd. 1.
- National Sound Services Ltd. (1).
- Northern Electric Co. Ltd. (1).
- Payette Radio Ltd. 1.

- Peffer Sound Systems Ltd. (1).
- Philco Corp. of Canada Ltd. 1.
- Prince and Roberts 1.
- Radio Trade Supply Ltd. 1.
- Showalter, R. J. 1.
- Simpson Mfg. Co. Inc., Mark 1.
- Spivey, Inc., James S. 1.
- Standard Electric Time Co. of Canada Ltd. (1).
- Telecom Ltd. 1.
- Tele-Radio Systems Ltd. 1.
- Thompson Ltd., Chas. L. 1.
- Tilton Ltd., John R. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Whiteley Electrical Radio Co. Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

### Paints

|            |   |
|------------|---|
| Conductive | 1 |
| Resistive  | 2 |

- Armstrong Ltd., A. T. R. (1).
- Canadian Industries Ltd. (1)-(2).
- Canadian Pittsburgh Industries Ltd. 1-2.
- Electro Sonic Supply Co. Ltd. 1.
- Hysol (Canada) Ltd. (1).
- Radio Trade Supply Ltd. 1.
- Ross & Sons Ltd., Frank T. 2.
- Sauerelisen Cements Co. 2.

### Panels

|                        |   |
|------------------------|---|
| Instrument             | 1 |
| Jack                   | 2 |
| Receiver & Transmitter | 3 |
| Relay Rack             | 4 |

- Accurate Electronics Corp. 2.
- Active Radio & TV Ltd. 1.
- Ahearn and Soper Co. Ltd. 1.
- Aircraft Appliances & Equipment Ltd. (1)-(4).
- Airfite Components Co. 1.
- Alpha Aracon Radio Co. Ltd. 1-2-3-4.
- Associated Electronic Components Ltd. 4.
- Automatic Electric Sales (Canada) Ltd. 4.
- Autotronics Control (1)-(2)-(4).
- Aviation Electric Ltd. (1).
- Avtek Systems Engineering Ltd. (1)-(3).
- Bailey Meter Co. Ltd. (1).
- Ball Associates, C. A. (1).
- Barber-Colman of Canada Ltd. (1).
- Barvic Engineering Ltd. (1).
- Bayly Engineering Ltd. (2).
- Bern and Company Ltd., Lee 1.
- Bishop Sons & Co. Ltd. (1)-(2)-(3)-(4).
- Burgess, Norris 1-2-3-4.
- CBC Electronics Co., Inc. 1-2-3-4.
- Cambridge Thermionic of Canada, Ltd. (2).
- Canadian Electrical Supply Co. Ltd. 1-2-3-4.
- Canadian Electronics Ltd. 1-2-3-4.
- Canadian Puregas Equipment Ltd. (1).
- Canadian Research Institute (1).
- Centronix Inc. 3-4.
- Collins Radio Co. of Canada Ltd. (2).
- Continental-Diamond Fibre of Canada Ltd. (1).
- Crawford Radio, The 1-3-4.
- D & B Sound and Signals Inc. 4.
- Domac Technical Sales Ltd. 4.
- E.M.I. Electronics Ltd. 1.
- Elder Electronics 1-4.
- Electrocraft, Inc. 2.
- Electromechanical Products 2.
- Electronics Corp. of America (Canada) Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1-2-3-4.
- Emerson Plastics Corp. 1.
- Engineered Sound Systems Ltd. 2-4.
- English Electric Co. Ltd., The 1-4.
- Evershed-Powertronic Ltd. (1).
- Evershed and Vignoles Ltd. 1.
- Finkler Ltd., Len 1.
- Fischer & Porter (Canada) Ltd. (1).
- Fischer & Porter Co. 1.
- Found Bros. Aviation Ltd. (1)-(3).
- General Communications Ltd. (1).
- General Sound & Theatre Equipment Ltd. 1-2-4.
- P. Gossen & Co. G.m.b.H. 1.
- Hackbusch Electronics Ltd. 2-4.
- Hammond Mfg. Co. Ltd. (1)-(2)-(3)-(4).

- Herring & Co. Ltd., John 2.
- Honeywell Controls Ltd. (1).
- Industrial & Institutional Communications Ltd. 4.
- Kahnert Sales Ltd., R. C. 2-4.
- Kelvin & Hughes Ltd. 1.
- Lenkurt Electric Co. of Canada Ltd. (2)-(4).
- Machinery Electrification Inc. 1.
- Martin Engineering Inc. (1).
- McCurdy Radio Industries Ltd. (2)-(4).
- Measurement Engineering Ltd. (1)-(2)-(3)-(4).
- National Sound Services Ltd. (2)-(4).
- Nems-Clarke Co., Div. of Vitro Corp. of America 2-3-4.
- Northern Radio Mfg. Co. Ltd. (2)-(4).
- Ok! & Willadsen Ltd. (1)-(2).
- Powertronic Equipment Ltd. (1)-(2)-(4).
- Precision Dials Ltd. (1)-(2)-(3).
- Premier Metal Products Co. 1-3-4.
- Prince and Roberts 2-4.
- RCA Victor Co. Ltd. (3)-(4).
- Radelin Ltd. 1.
- Radio Trade Supply Ltd. 1-2-3-4.
- SIDO Ltd. (2).
- Siemens Edison Swan (Canada) Ltd. 2.
- Smith Ltd., Irving 1.
- Southern Instruments Ltd. 1.
- Standard Electric Time Co. of Canada Ltd. (1).
- Stark Electronic Sales Co. (1).
- Struthers-Dunn Relays, Div. of Renfrew Electric Co. Ltd. (4).
- Switchcraft, Inc. 2.
- T.M.C. (Canada) Ltd. (2)-(3)-(4).
- Taylor Instrument Cos. of Canada Ltd. (1)-(3).
- Tenatronics Ltd. 4.
- Terry Machinery Co. Ltd. (1).
- Thermo Electric (Canada) Ltd. (1).
- Thermovolt Instruments Ltd. (1).
- Topping Electronics Ltd., F. V. (1)-(2)-(3)-(4).
- Trimm, Inc. 1-2.
- United States Radium Corp. 1.
- Varah Ltd., L. A. 1-2-3-4.
- Waterloo Electronics Supply Co. Ltd. 4.
- Western Agencies Ltd. 1.
- Westronic Engineering Sales (A Div. of L. A. Varah Ltd.) 2.
- Whittaker, E. E. 1-2-3-4.
- Wholesale Radio & Electronics Ltd. 1-3-4.
- Willard Spenser Co. 1.

- Canadian Research Institute 1.
- Conway Electronic Enterprises Reg'd 1.
- Electrodesign 1.
- Electrovert Ltd. 1.
- Ellis Industries, The J. W. 1.
- Evans Electroelenium Ltd. 1.
- Found Bros. Aviation Ltd. (1).
- Garlick Films Ltd. 1.
- Glendon Instrument Co. Ltd., The 1.
- P. Gossen & Co. G.m.b.H. 1.
- Dipl. Ing. Ulrich Knick 1.
- Measurement Engineering Ltd. 1.
- Tecneek Associates 1.
- Vector Labs, Inc. (1).

- Armstrong Ltd., A. T. R. (2).
- Astral Electric Co., Ltd. 4-6.
- Atlantic Research Corp. 2-4.
- Barvic Engineering Ltd. 1-2-3-4-5-6-7-8.
- Belanger, Omer 1-2-3-4-5.
- Bern and Company Ltd., Lee 3-4-6.
- CBS Electronics, A Div. of Columbia Broadcasting System, Inc. 2.
- Canadian Astatic Ltd. (2)-(3).
- Canadian General Electric Co. Ltd., Electronic Tube Section (Radiovalve Co. Ltd.) 6.
- Canadian Electrical Supply Co. Ltd. 3-4-6.
- Canadian Electronics Ltd. 1-2-3-4-5-6-7-8.
- Collins Radio Co. of Canada Ltd. 1-2-3-4-6-8.
- Clark Ltd., Alex L. 2.
- Conway Electronic Enterprises Reg'd 1-4-5-6-7-8.
- Crawford Radio, The 2-3-4-6.
- Daveco Agencies Ltd. 3-6.
- Dawe Instruments Ltd. 7.
- Desser E-E Ltd. 2-3.
- Dynapar Corp. 4-5-6-7.
- E.M.I.-Cossor Electronics Ltd. 7-8.
- Elder Electronics 7.
- Electromechanical Products 3-8.
- Electro Sonic Supply Co. Ltd. 1-2-3-4-6.
- Electro-Sonic Laboratories, Inc. 4.
- Erle Resistor Corp. 2.
- General Sound & Theatre Equipment Ltd. 2-3-4-5-6.
- Glendon Co. Ltd., The 3.
- Gould Sales Co., E. S. 6.
- Hackbusch Electronics Ltd. 2-3-4-6.
- Heenan Ltd., P. J. 2-3.
- Kahnert Sales Ltd., R. C. 2.
- Kelvin & Hughes (Canada) Ltd. 4.
- Kistler Instrument Corp. 8.
- Lake Engineering Corp. Ltd. 2-3.
- Langham Thompson Ltd., J. 5-6.
- MEL Sales Ltd. 2.
- Machinery Electrification Inc. 7.
- Mack Co. Ltd., R. 3.
- McIntyre Agencies 2-3.
- Measurement Engineering Ltd. (5).
- Merritt Co., Ron 2-4-6.
- Musmart of Canada, Ltd. 3-6.
- Photomation, Inc. (formerly Ess Instrument Co.) 7.
- Pickering and Company, Inc. 6.
- Plessey Co. of Canada Ltd. (2)-(3).
- Pointon Ltd., Charles W. 2-3-4.
- RCA Victor Co. Ltd. (3)-(6)-(8).
- Radionics Ltd. 1-5-7.
- Radio Trade Supply Ltd. 1-2-3-4-5-6.
- Robinson Co., C. M. 2-3-6.
- Shure Bros., Inc. 2-3-6.
- Smyth Electronic Components Ltd. 2-3-4-6.
- Southern Instruments Ltd. 1-5-6.
- Sperry Gyroscope Co. of Canada Ltd. 4.
- Tatnal Measuring and Nuclear Systems 5.
- Thompson Ltd., Chas. L. 3.
- Tilton Ltd., John R. 2-3.
- Titanium Electric Corp. of Canada Ltd. 2.
- Ultradyn, Inc. 6.
- Varah Ltd., L. A. 2-3-6-7-8.
- Waterloo Electronics Supply Co. Ltd. 2-3-4-6-7.
- Western Agencies Ltd. 2-3-4.
- Wholesale Radio & Electronics Ltd. 2-3-4-8.

|                     |    |
|---------------------|----|
| Epoxy Resins        | 5  |
| Ethyl Cellulose     | 6  |
| Nylon               | 7  |
| Phenol Formaldehyde | 8  |
| Polyethylene        | 9  |
| Polystyrene         | 10 |
| Teflon              | 11 |
| Urea Formaldehyde   | 12 |
| Vinyl               | 13 |

- Andersen & Co. Ltd., A. A. 8.
- Borden Chemical Co., A Div. of The Borden Co. 5-8-12-13.
- Borden Chemical Co. — Resinite Dept. 13.
- Canadian Electrical Supply Co. Ltd. 10.
- Canadian Industries Ltd. 7-(9)-11-12-13.
- Canadian Johns-Manville Co. Ltd. (11).
- Canadian Resins & Chemicals, Div. of Shawinigan Chemicals Ltd. 7-(9)-(13).
- Carbide Chemicals Co., Div. of Union Carbide Canada Ltd. (9)-(10).
- Clarke & Co. (Manchester) Ltd., H. 8.
- Clover Industries Inc. 9.
- Continental-Diamond Fibre of Canada Ltd. (8)-(11).
- Crane Packing Co., Ltd. (11).
- Crawford Radio, The 10.
- Dixon Corp. 11.
- Driver-Harris Co. 11.
- Du Pont of Canada Ltd. (7)-(9)-11.
- Electro Sonic Supply Co. Ltd. 5-7-9-10-11.
- Emerson Plastics Corp. 11.
- Emerson & Cuming, Inc. 5-10-11-13.
- Enflo Inc. 9-11.
- Filer-Smith Machinery Co. Ltd. 13.
- Finkler Ltd., Len 10-13.
- Gilchrist Ltd., Andrew 5-9-11-13.
- Goodrich Canada Ltd., B. F. (13).
- Hathaway, Kraemer Ltd. 2-3-9-10-13.
- Howard & Co. Ltd., M. J. 5-10-11.
- Hummel, William M. 2-3-5-7-9-10-11-13.
- Hysol (Canada) Ltd. (5).
- Lake Engineering Co. Ltd. 7-11.
- Mack Co. Ltd., R. 9-11.
- Minnesota Mining & Mfg. of Canada Ltd. (2)-(6).
- Morningstar-Paisley, Inc. 13.
- Murphy Radio Ltd. 5.
- National Fibre Co. of Canada Ltd. 7-11.
- Natvar Corp. 9-10-13.
- Norrich Plastics Corp., Div. Norrich Screw Machine Products 2-3-5-7-9-10-11-13.
- Ok! & Willadsen Ltd. 1-2-3-7-9-10-11-13.
- Plastiglide Ltd. 7-9-10.
- Polypenco, Inc. 7-10-11.
- Radio Trade Supply Ltd. 7-9-10.
- Resistoflex Corp. 11.
- Shamban & Co., W. S. 7-11.
- Spaulding Fibre of Canada Ltd. (5)-(7)-(8).
- Varflex Corp. 13.
- Western Agencies Ltd. 9.
- Westlake Plastics Co. 2-3-6-7-9-10.
- Zippertubing Co., The 7-9-11-13.

**Pickup Arms**

- Pickup Arms** ..... 1
- Alpha Aracon Radio Co. Ltd. 1.
  - Astral Electric Co. Ltd. 1.
  - Atlas Radio Corp. Ltd. 1.
  - Barvic Engineering Ltd. 1.
  - Belanger, Omer 1.
  - Bern and Company Ltd., Lee 1.
  - Bogen-Presto Co. 1.
  - Canadian Electrical Supply Co. Ltd. 1.
  - Canadian Electronics Ltd. 1.
  - Canadian General Electric Co. Ltd. 1.
  - Clark Ltd., Alex L. 1.
  - Collins Radio Co. of Canada Ltd. 1.
  - Crawford Radio, The 1.
  - Electro Sonic Supply Co. Ltd. 1.
  - Electro-Sonic Laboratories, Inc. 1.
  - Fairchild Recording Equipment Corp. 1.
  - Finkler Ltd., Len 1.
  - General Sound & Theatre Equipment Ltd. 1.
  - Glendon Co. Ltd., The 1.
  - Gould Sales Co., E. S. 1.
  - Hackbusch Electronics Ltd. 1.
  - Mack Co. Ltd., R. 1.
  - McCurdy Radio Industries Ltd. 1.
  - Merritt Co., Ron 1.
  - Musmart of Canada, Ltd. 1.
  - Payette Radio Ltd. 1.
  - Pickering and Company, Inc. 1.
  - Pointon Ltd., Charles W. 1.
  - Radio Trade Supply Ltd. 1.
  - Rek-O-Kut Co. 1.
  - Seabreeze Sales Ltd. 1.
  - Shure Bros., Inc. 1.
  - Smyth Electronic Components Ltd. 1.
  - Thompson Ltd., Chas. L. 1.
  - Tilton Ltd., John R. 1.
  - Varah Ltd., L. A. 1.
  - Waterloo Electronics Supply Co. Ltd. 1.
  - Western Agencies Ltd. 1.
  - Wholesale Radio & Electronics Ltd. 1.

**Pickup Units**

- Pickup Units** ..... 1
- Alpha Aracon Co. Ltd. 1.
  - Astral Electric Co. Ltd. 1.
  - Barvic Engineering Ltd. 1.
  - Belanger, Omer 1.
  - Bogen-Presto Co. 1.
  - Canadian Astatic Ltd. (1).
  - Canadian General Electric Co. Ltd. 1.
  - Clark Ltd., Alex L. 1.
  - Crescent Engineering & Research Co. 1.
  - Geerz & Holm Canada Ltd. 1.
  - General Sound & Theatre Equipment Ltd. 1.
  - Hackbusch Electronics Ltd. 1.
  - Pickering and Company, Inc. 1.
  - Pointon Ltd., Charles W. 1.
  - Radio Trade Supply Ltd. 1.
  - Shure Bros., Inc. 1.
  - Smyth Electronic Components Ltd. 1.
  - Thompson Ltd., Chas. L. 1.
  - Tilton Ltd., John R. 1.
  - Varah Ltd., L. A. 1.
  - Western Agencies Ltd. 1.
  - Wholesale Radio & Electronics Ltd. 1.

**Pickups**

|                |   |
|----------------|---|
| Capactance     | 1 |
| Ceramic        | 2 |
| Crystal        | 3 |
| Dynamic        | 4 |
| Industrial     | 5 |
| Magnetic       | 6 |
| Photoelectric  | 7 |
| Quartz Crystal | 8 |

Alpha Aracon Radio Co. Ltd. 1-2-3-4-6.

**Papers**

- Facsimile Recording** ..... 1
- Recording** ..... 2
- Brush Instruments 2.
  - Canadian Charts & Supplies Ltd. 2.
  - Elder Electronics 2.
  - Fraser Ltd., George M. 2.
  - Honeywell Controls Ltd. (2).
  - Kelvin & Hughes (Canada) Ltd. 2.
  - Muirhead Instruments Ltd. (1).
  - Muirhead & Co. Ltd. 1.
  - Radionics Ltd. 2.
  - Thermovolt Instruments Ltd. 2.
  - Wickman Ltd., A. C. 2.

**Photoflash Equipment**

- Photoflash Equipment** ..... 1
- Alpha Aracon Radio Co. Ltd. 1.
  - Barron, William T. 1.
  - Chicago Miniature Lamp Works 1.
  - E.M.I.-Cossor Electronics Ltd. 1.
  - Electrolabs 1.
  - Electromechanical Products 1.
  - Garlick Films Ltd. 1.
  - Helland Div., Minneapolis-Honeywell 1.
  - Honeywell Controls Ltd. (1).
  - Micarta Fabricators Ltd. (1).
  - Nems-Clarke Co., Div. of Vitro Corp. of America 1.
  - Radio Trade Supply Ltd. 1.
  - S.I.D.A.M. Ltd. 1.
  - Tilton Ltd., John R 1.
  - Wholesale Radio & Electronics Ltd. 1.

**Photometers**

- Photometers** ..... 1
- Baldwin Industrial Controls 1.
  - Beckman Instruments Inc. (1).
  - Bepeco Canada Ltd. (1).

**Plastics, Vacuum Formed**

- Plastics, Vacuum Formed** ..... 1
- Andersen & Co. Ltd., A. A. 1.
  - Emerson Plastics Corp. 1.
  - Erle Resistor Corp. 1.
  - Fleet Manufacturing Ltd. (1).
  - Hathaway, Kraemer Ltd. (1).
  - Precision Dials Ltd. (1).

**Plates**

|  |   |
|--|---|
| Metal or Plastic Name — Metal or Plastic | 1 |
| Phosphor                                 | 3 |
| Silk Screen, Printed Circuit             | 4 |

**Pilots, Automatic**

- Pilots, Automatic** ..... 1
- Aviation Electric Ltd. 1.
  - Aviation Electric Pacific Ltd. 1.
  - Canadian Marconi Co. 1.
  - Collins Radio Co. of Canada Ltd. (1).
  - Railway & Power Engineering Corp. Ltd. 1.
  - Redifon Ltd. 1.
  - Sperry Gyroscope Co. of Canada Ltd. 1.
  - Vickers Inc., Electric Products Div. 1.

**Plastic Materials**

|                   |   |
|-------------------|---|
| Allyls            | 1 |
| Cellulose Acetate | 2 |
| Cellulose Acetate | 2 |
| Butyrate          | 3 |
| Cellulose Nitrate | 4 |

- Electronic Research & Development Co. Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1-2.
- Emerson Plastics Corp. 1-2.
- Erie Resistor Corp. 1-2.
- Etlm Co. Ltd., H. B. (1).
- Hathaway, Kraemer Ltd. (1)-(2).
- Herring & Co. Ltd., John 4.
- Hummel, William M. 1.
- Lake Engineering Co. Ltd. 1-2-4.
- Measurement Engineering Ltd. (1).
- Metalphoto Corp. 1.
- National Fibre Co. of Canada Ltd. (2).
- Norrich Plastics Corp., Div. Norrich Screw Machine Products 1.
- Oki & Willadsen Ltd. (1)-(2)-(4).
- Polytronics Co. (4).
- Precision Dials Ltd. (2)-(3)-(4).
- Radelln Ltd. 1-2-3.
- Radio Trade Supply Ltd. 1-2.
- Research Instrumentation Ltd. (3).
- Ruggles Co. Ltd., H. P. 1.
- Spaulding Fibre of Canada Ltd. (1)-(4).
- T.M.C. (Canada) Ltd. (2).
- Telegraph Condenser Co. Ltd., The 4.
- United-Carr Fastener Co. of Canada Ltd. (4).
- United States Radium Corp. 1-2-3-4.
- Waldom Electronics Inc. 1-2.
- Western Agencies Ltd. 2.
- Whittaker, E. E. 4.
- Willard Spenser Co. 1-2.

### Plating Services

|                             |   |
|-----------------------------|---|
| Hard Gold .....             | 1 |
| Bright Silver .....         | 2 |
| Rhodium .....               | 3 |
| Silver Powder & Flake ..... | 4 |

- Cametoid Ltd. (1)-(2)-(3).
- Electric Chain Co. of Canada Ltd., The (1)-(2)-(3).
- Handy & Harman of Canada Ltd. (4).

### Plugs

|                 |   |
|-----------------|---|
| Telephone ..... | 1 |
| Terminal .....  | 2 |

- Alpha Aracon Radio Co. Ltd. 1-2.
- Amalgamated Electric Corp. Ltd. (1).
- Amatam Electronic Hardware Co. 2.
- Amphenol Canada Ltd. (2).
- Astral Electric Co. Ltd. 2.
- Automatic Electric (Canada) Ltd. (1).
- Automatic Electric Sales (Canada) Ltd. 1.
- Automatic Electric International, Inc. 1.
- Automatic Telephone & Electric Co. Ltd. 1.
- Barvic Engineering Ltd. 1-2.
- Bern and Company Ltd., Lee 1-2.
- Birnbach Radio Co., Inc. 1-2.
- Bohne Industries Ltd. (1).
- Bulgin & Co. Ltd., A. F. 1.
- Cambridge Thermionic of Canada, Ltd. (2).
- Canadian Electrical Supply Co. Ltd. 1-2.
- Canadian Electronics Ltd. 1-2.
- Collins Radio Co. of Canada Ltd. 1.
- Cords (Canada) Ltd. (2).
- Electrocraft, Inc. 1.
- Electrodesign 2.
- Electromechanical Products 1.
- Electro Sonic Supply Co. Ltd. 1-2.
- Ericsson Telephone Sales of Canada Ltd. (1).
- Etelco Canada Ltd. 1.
- Filer-Smith Machinery Co. Ltd. 2.
- Finkler Ltd., Len 1.
- General Radio Co. 2.
- Hackbusch Electronics Ltd. 1.
- Herring & Co. Ltd., John 1-2.
- Hummel, William M. 1-2.
- Industrial Electronic Hardware Mfg. Co. 2.
- Kahnert Sales Ltd., R. C. 1.
- Kulka Electric Corp. 2.
- Lab-Tronics, Inc. 1-2.
- Lake Engineering Co. Ltd. 2.
- Mack Co. Ltd., R. 1.
- Mallory & Co. Inc., P. R. 1-2.
- National Radio Co. Inc. 2.
- Norrich Plastics Corp., Div. Norrich Screw Machine Products 1-2.

- Northern Electric Co. Ltd. (1).
- Painton & Co. Ltd. 1-2.
- Payette Radio Ltd. 1.
- Pfeiffer Electronic Laboratories 1-2.
- Pointon Ltd., Charles W. 1.
- Precision Metal Products Co. 2.
- Prince and Roberts 1-2.
- Radio Trade Supply Ltd. 1-2.
- SIDO Ltd. (1)-(2).
- Siemens Edison Swan (Canada) Ltd. 1.
- Simmonds & Sons Ltd., A. C. (1).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Switchcraft, Inc. 1.
- Telephone Mfg. Co. Ltd. 1-2.
- Tilton Ltd., John R. 1-2.
- Trimm, Inc. 1.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 2.
- Whiteley Electrical Radio Co. Ltd. 1-2.
- White Radio Ltd. 2.
- Wholesale Radio & Electronics Ltd. 1-2.

### Pointers, Dial

|                      |   |
|----------------------|---|
| Pointers, Dial ..... | 1 |
|----------------------|---|

- Alpha Aracon Radio Co. Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Aviation Electric Ltd. (1).
- Bern and Company Ltd., Lee 1.
- Cambridge Thermionic of Canada, Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Constellation Components Co. 1.
- Crawford Radio, The 1.
- Dale Products, Inc. 1.
- Davies Molding Co., Harry 1.
- Electro Sonic Supply Co. Ltd. 1.
- General Cement Mfg. Co. — Div. of Textron Inc. 1.
- Herring & Co. Ltd., John 1.
- National Radio Co. Inc. 1.
- Oki & Willadsen Ltd. (1).
- Painton & Company Ltd. 1.
- Pfeiffer Electronic Laboratories 1.
- Pointon Ltd., Charles W. 1.
- Radelln Ltd. 1.
- Radio Trade Supply Ltd. 1.
- United-Carr Fastener Co. of Canada Ltd. (1).
- Waldom Electronics Inc. 1.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

### Posts, Binding

|                      |   |
|----------------------|---|
| Posts, Binding ..... | 1 |
|----------------------|---|

- Alpha Aracon Radio Co. Ltd. 1.
- Amatam Electronic Hardware Co. 1.
- American Superior Electric Co., Ltd. (1).
- Associated Electronic Components Ltd. 1.
- Astral Electric Co., Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Bayly Engineering Ltd. (1).
- Bern and Company Ltd., Lee 1.
- Birnbach Radio Co., Inc. 1.
- Burgess, Norris 1.
- Burlec Sales Ltd. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Cohen Ltd., William 1.
- Crawford Radio, The 1.
- Eastern Specialty Co., The 1.
- Elco Corp. 1.
- Electrodesign 1.
- Electro Sonic Supply Co. Ltd. 1.
- Filer-Smith Machinery Co. Ltd. 1.
- Finkler Ltd., Len 1.
- General Cement Mfg. Co. — Div. of Textron Inc. 1.
- General Radio Co. (Canadian Branch Office) (1).
- General Radio Co. 1.
- Grayhill, Inc. 1.
- Johnson Co., E. F. 1.
- Lake Engineering Co. Ltd. 1.
- Mack Co. Ltd., R. 1.
- National Radio Co. Inc. 1.
- Painton & Co. Ltd. 1.
- Payette Radio Ltd. 1.
- Pfeiffer Electronic Laboratories 1.
- Pic Design Corp. 1.
- Precision Metal Products Co. 1.
- Radio Trade Supply Ltd. 1.
- SIDO Ltd. (1).

- Simmonds & Sons Ltd., A. C. (1).
- Superior Electric Co., The 1.
- Tecneek Associates 1.
- Tilton Ltd., John R. 1.
- Varah Ltd., L. A. 1.
- Waldom Electronics Inc. 1.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- White Radio Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.
- Y.W. Small Parts Ltd. (1).

### Potentiometers

|                           |   |
|---------------------------|---|
| Induction .....           | 1 |
| Portable Instrument ..... | 2 |
| Precision .....           | 3 |
| Printed Circuit .....     | 4 |

- Ace Electronics Associates Inc. 3-4.
- Adams Engineering Ltd. 3.
- Aeromotive Engineering Products Ltd. 1-3.
- Ahern and Soper Company Ltd. 2-3.
- Allen-Bradley Canada Ltd. 4.
- Alpha Aracon Radio Co. Ltd. 3.
- Amphenol-Borg Electronics Corp., Borg Equip. Div. 3-4.
- Armstrong Ltd., A. T. R. (3).
- Atlas Radio Corp. Ltd. 3-4.
- Barber-Colman of Canada Ltd. (2)-(3).
- Beckman Instruments Inc. (2)-(3).
- Beckman Instruments Inc., Hellpot Div. 1-3-4.
- Burlec Sales Ltd. 3.
- Cambridge Instrument Co., Ltd. 2-3.
- Canadian Electrical Supply Co. Ltd. 3.
- Canadian Marconi Co., Electronic Tube & Components Div. 3-4.
- Canadian Research Institute (2)-(3).
- Centralab Canada Ltd. (4).
- Centralab Div. of Globe Union Inc. 4.
- Cloverstat Mfg. Co., Inc. 3.
- Colvern Ltd. 3.
- Colvin Laboratories, Inc. 3.
- Conway Electronic Enterprises Reg'd 2-3.
- Crawford Associates, Allan 2-3.
- Daystrom, Ltd. 1-3.
- Daystrom Pacific, Div. of Daystrom, Inc. 3.
- DeJur-Amsco Corp., Electronic Sales Div. 3.
- Diehl Manufacturing Co. 1-3.
- Electromechanical Products 1.
- Electro Sonic Supply Co. Ltd. 2-3-4.
- Ellis Industries, The J. W. 2-3.
- Gamewell Co., The 3.
- Garrett Mfg. Corp. of Canada, Ltd., The (3).
- General Control Co. (Canadian) Ltd. 1-3.
- General Radio Co. (Canadian Branch Office) (3).
- General Radio Co. 2-3.
- Glendon Instrument Co. Ltd., The 2.
- Gould Sales Co., E. S. 3.
- Hackbusch Electronics Ltd. 3.
- Heenan Ltd., P. J. 4.
- Hellpot Div. of Beckman Instruments Inc. (3).
- Herring & Co. Ltd., John 2-3.
- Honeywell Controls Ltd. (2)-(3).
- Howard & Co. Ltd., M. J. 3.
- Humphrey, Inc. 3.
- IRC Resistors, Div. of Renfrew Electric Co. Ltd. (3)-(4).
- Industrial Instruments, Inc. 2-3.
- International Resistance Co. 3.
- Kelvin & Hughes (Canada) Ltd. 3.
- Kelvin & Hughes Ltd. 3.
- Lomas, E. G. 3.
- MEL Sales Ltd. 2-3.
- Maurey Instrument Corp. 2-3-4.
- Meredith & Co. Ltd., C. C. (4).
- Muirhead Instruments Ltd. 2-3.
- Muirhead & Co. Ltd. 1-3.
- Nichols Ltd., R. H. 2-3.
- Northern Electric Co. Ltd. 2-3.
- Painton & Co. Ltd. 3.
- Payette Radio Ltd. 3.
- Pfeiffer Electronic Laboratories 2-3-4.
- Plessey Co. of Canada Ltd. (3)-(4).
- Pointon Ltd., Charles W. 3.
- Pye & Co. Ltd., W. G. 2-3.
- R-O-R Associates Ltd. 3.

- Radio Frequency Laboratories Inc. 2.
- Radio Trade Supply Ltd. 3-4.
- Randall (Canada) Ltd., Douglas 1-(3)-(4).
- Rattray & Co., Geo., Div. of Hardwick, Inc. 3.
- Rinco, Inc. 3.
- Seromechanisms (Canada) Ltd. 3.
- Shallcross Mfg. Co. 3.
- Sheppard, R. D. B. 3.
- Spectrol Electronics Corp. 3.
- Taylor Instruments Cos. of Canada Ltd. (2).
- Tech Laboratories, Inc. 3-4.
- Technology Instrument Corp. 3-4.
- Tecneek Associates 2.
- Texas Instruments Incorporated 2.
- Thermo Electric (Canada) Ltd. (2).
- Thermovolt Instruments Ltd. 2-(3).
- Thompson Ltd., Chas. L. 1.
- Tinsley Instruments (Canada) Ltd. (2)-(3).
- Triad Instruments & Controls Ltd. (2).
- Varah Ltd., L. A. 3.
- Varian Associates of Canada Ltd. (2).
- Whittaker, E. E. 3.
- Wholesale Radio & Electronics Ltd. 2-3.

### Pots, Soldering

|                       |   |
|-----------------------|---|
| Pots, Soldering ..... | 1 |
|-----------------------|---|

- Adcola Products Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Marconi Co., Electronic Tube & Components Div. 1.
- Carter Ltd., James B. 1.
- Conway Electronic Enterprises Reg'd 1.
- Deutsch Co., The 1.
- Electro Sonic Supply Co. Ltd. 1.
- Hummel, William M. 1.
- Moore Bros. Machinery Co. Ltd. 1.
- Payette Radio Ltd. 1.
- Pfeiffer Electronic Laboratories 1.
- Radio Trade Supply Ltd. 1.
- Smyth Electronic Components Ltd. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

### Pots and Tanks, Heating

|                             |   |
|-----------------------------|---|
| Pots & Tanks, Heating ..... | 1 |
|-----------------------------|---|

- Canadian Chromalox Co. Ltd., The (1).
- Hull Corp. 1.
- Pioneer Industries Inc. 1.

### Power Supplies

|                         |    |
|-------------------------|----|
| A-C .....               | 1  |
| D-C .....               | 2  |
| 400 CPS .....           | 3  |
| High Voltage .....      | 4  |
| Klystron .....          | 5  |
| Magnetic .....          | 6  |
| Microwave .....         | 7  |
| Regulated .....         | 8  |
| Transformer .....       | 9  |
| Variable .....          | 10 |
| Voltage Regulated ..... | 11 |

- Acme Electric Corp. Ltd. (1)-(2)-(8)-(9)-(10)-(11).
- Acme Electric Corp. 1-2-3-6-8-9-11.
- Adams Engineering Ltd. 1-2-3-4-8-9-11.
- Aeromotive Engineering Products Ltd. 1-2-3-4-(8)-(9)-(11).
- Ahern and Soper Co. Ltd. 2-5-8-11.
- Aircrom Inc. 7.
- Aircraft Appliances & Equip. Ltd. (1)-(2)-(3)-6-8-10-11.
- Aircraft-Marine Products of Canada, Ltd. (4).
- Airmec Ltd. 5.
- Airpax Electronics Inc. 1-3.
- Alloy Metal Sales Ltd. 1-2-11.
- Alpha Aracon Radio Co. Ltd. 1-2-4-8-9-10-11.
- American Electronic Laboratories, Inc. 8-9.
- American Superior Electric Co., Ltd. (1)-(2)-(3)-(8)-(10)-(11).
- American Television & Radio Co. 2.



- Arnold Magnetics Corp. 2-8-11.  
ARVA Inc. (1)-(2)-(3)-(4)-(5)-(6)-(8)-(9)-(10)-(11).  
Associated Electrical Industries Canada Ltd. (5).  
Associated Electronic Components Ltd. 10-11.  
Associated Research, Inc. 1-2-4.  
Atlantic Research Corp. 2.  
Atlas Instrument Corp. Ltd. 1-3-5-8-9-10-11.  
Atlas Polar Co. Ltd. (1)-(2).  
Atlas Radio Corp. Ltd. 2.  
Automatic Electric Sales (Canada) Ltd. 2-11.  
Aviation Electric Ltd. 1-2-3-4-9-11.  
Aviation Electric Pacific Ltd. 1-2-3.  
Aviquito of Canada Ltd. 2-3.  
Avtek Systems Engineering Ltd. (1)-(2)-(9).  
Bach-Simpson Ltd. 11.  
Baird-Atomic, Inc. 4.  
Barron, William T. 1-2-9.  
Barvic Engineering Ltd. 1-2-8-9.  
Bavly Engineering Ltd. 1-2-3-4-6-8-9-10-11.  
Beaconing Optical & Precision Materials Co. Ltd. (BOP Ltd.) (7)-(8)-(11).  
Bepco Canada Ltd. (1)-(2)-(3)-(8)-(9)-(10)-(11).  
Brian Engineering Ltd. 2-3.  
Buckland Co., Robert J. 1-9.  
Burgess, Norris 1-2-10.  
Burlic Sales Ltd. 1-2-3.  
Canadian Electronics Ltd. 1-2-8-10-11.  
Canadian General Electric Co. Ltd. (1)-(2)-(4)-(5)-(9)-(11).  
Canadian Line Materials (2)-(3)-(6)-(8)-(9)-(10)-(11).  
Canadian Liquid Air Co. 1-2.  
Canadian Marconi Co. (7)-(8).  
Canadian Motorola Electronics Ltd. 7.  
Canadian Research Institute (1)-(2)-(4)-(5)-(9)-(10)-(11).  
Canadian Westinghouse Co. Ltd. (1)-(2)-(3)-(4)-(5)-8-9-11.  
Central Dynamics Ltd. (2)-(3)-(8)-(9).  
Centronix Inc. 1-2-7-8.  
Chisholm Industries Ltd. (1)-(8).  
Christie Electric Corp. 2-6-8-10-11.  
Collins Radio Co. of Canada Ltd. (1)-(2)-(3)-(5)-(7)-(9).  
Consolidated Diesel Electric Corp. of Canada Ltd. (1)-(2)-(3)-9-(10)-(11).  
Constellation Components Co. 1-2-3-9.  
Control Electronics Co., Inc. 7-8-9-10-11.  
Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9-10-11.  
Cornell-Dubilier Electric Corp. 1-2-11.  
Cossor Instruments Ltd. 9.  
Crawford Associates, Allan 1-2-3-4-5-7-8-9-10-11.  
Cubic Corp. 5.  
Curtiss Wright Corp. — Electronics Div. 1-2-11.  
D & B Sound and Signals Inc. 1-2.  
Daystrom, Ltd. 2-8-10-11.  
Deskin Sales Co., A. 2-8-9-10-11.  
Deutz Diesels (Canada) Ltd. (3)-(4)-(7)-(11).  
Dresser Electric Ltd. (2)-(10)-(11).  
E.M.I.-Cossor Electronics Ltd. 1-2-3-4-5-8-9-10-11.  
E.M.I. Electronics Ltd. 9.  
Electro Instruments, Inc. 2-9.  
Electro Products Laboratories, Inc. 2-10.  
Electrolabs 9-11.  
Electronic Components Ltd. (1)-(2).  
Electronic Controls Ltd. (1)-(2)-(3)-(4)-(6)-(8)-(9)-(10)-(11).  
Electronic Instrument Co., Inc. 2-9.  
Electronic Materials International Ltd. (1)-(2)-(3)-(9)-(10)-(11).  
Electronic Research Associates, Inc. 1-2-3-4-5-8-9-10-11.  
Electronic International Co. 1-3-8.  
Empire Devices Products Corp. 1-3-10.  
Engineered Magnetics Div., Gulton Industries Inc. 11.  
Engineered Sound Systems Ltd. (2).  
FXR Inc. 1-2-4-5-6-7-8-9-10-11.  
Farnell Instruments Ltd. 1-2-8-9-10-11.  
Ferranti Packard Electric Ltd. (11).  
Ferrotran Electronics Co., Inc. 1-2-5-8-9-10-11.  
Fluke Mfg. Co. Inc., John 2-4-8-10-11.
- \* Garrett Mfg. Corp. of Canada, Ltd., The 1-2.  
General Precision Laboratory Inc. 11.  
\* General Radio Co. (Canadian Branch Office) (1)-(2)-(8)-(10)-(11).  
\* General Radio Co. 1-2-5-8-10-11.  
\* Gomard Electronics Ltd. (2)-(8)-(10)-(11).  
\* Goodmans Industries Ltd. 1.  
\* Gray Ltd., H. Roy 2-4-8.  
\* Guardian Electric Mfg. Co. 1-2-3-4-8-9-10-11.  
\* Hackbusch Electronics Ltd. 1-2-8-9-11.  
\* Hammond Mfg. Co. Ltd. (2)-(9)-Hamner Electronics Co., Inc. 1-2-4-5-7-8-10-11.  
\* Hewlett-Packard Co. 2-4-5-8-9-10-11.  
\* Hoover Co. Ltd., The 1-2-3-4-8-9-10-11.  
\* Hummel, William M. 1-2-3-4-8-9.  
\* Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd. (1)-(2)-(3)-(6)-(7)-(8)-(9)-(10)-(11).  
\* Industrial Test Equipment Co. 1-3.  
\* Industrial & Institutional Communications Ltd. 2-9.  
\* Instronics Corp. 4.  
\* Intronics Ltd. 2-4-9-10-11.  
\* International Systems Ltd. (2)-(9).  
\* Isotope Developments Ltd. 2-4.  
\* Kato Engineering Co. 1-2-3-4-8-10-11.  
\* Kay Electric Co. 5-9.  
\* Kelk Ltd., George (3)-(8).  
\* Kelvin & Hughes (Canada) Ltd. 5-11.  
\* Kepco, Inc. 2-3-4-5-6-7-8-9-10-11.  
\* Kilde & Co. of Canada Ltd., Walter (1)-(2)-(3)-(4)-(9)-(10)-(11).  
\* Kingston Electronics, Div. of Kingston Industries, Inc. 2.  
\* Kinney Mfg. Div., The New York Air Brake Co. 2-10.  
\* Kin Tel, A Div. of Cohu Electronics, Inc. 1-2-8-11.  
\* Lake Engineering Co. Ltd. 4-5-8.  
\* Langham Thompson Ltd., J. 9.  
\* Lenkurt Electric Co. of Canada Ltd. (2)-(5).  
\* Leonard Electric Ltd. 6.  
\* Levintal Electronic Products, Inc. 4-5-7-10.  
\* Lomas, E. G. 9.  
\* Lucas-Rotax Ltd. (1)-(2)-(3)-(9)-(10)-(11).  
\* MEL Sales Ltd. 1-2-3-4-5-7-8-9-10-11.  
\* MacQuarrie Sales, J. J. 1-2-4-8-9-11.  
\* Mallory & Co. Inc., P. R. 9.  
\* Manson Laboratories, Inc. 1-2-4-5-7-8-11.  
\* McCurdy Radio Industries Ltd. (2)-(4)-(8)-(9)-(11).  
\* McVity & Co., J. R. G. (2)-(8).  
\* Measurement Engineering Ltd. (8)-(9)-(10)-(11).  
\* Merritt Co., Ron 2-9.  
\* Microwave Systems 2-8-11.  
\* Mitchell Electronics, J. C. E. 1-2-3-4-5-6-7-8-9-10-11.  
\* Muirhead & Co. Ltd. 3.  
\* Multi-Products Co. 1-2-9.  
\* Murphy Radio Ltd. 11.  
\* NJE Corp. 1-2-3-4-5-6-7-8-9-10-11.  
\* Narda Microwave Corp., The 5-7.  
\* National Sound Services Ltd. (1)-(2).  
\* Nichols Ltd., R. H. (2)-(4)-(8)-(11).  
\* Northern Radio Mfg. Co. Ltd. (8)-(9).  
\* North Hills Electric Co., Inc. 1-2-4-8-9-10-11.  
\* Nutron Mfg. Co. Inc. 1-2-3-6-8-9-10-11.  
\* Pacific Technical Co. 1-3-10.  
\* Parsons Co., The Ralph M. — Electronics Div. 2-9-11.  
\* Perkin Engineering Corp. 1-2-3-4-5-6-7-8-9-10-11.  
\* Peschel Electronics, Inc. 1-2-3-4-5-8-10-11.  
\* Philbrick Researches, Inc., George A. 2-8-11.  
\* Philco Corp. of Canada Ltd. 7-11.  
\* Philips Electronics Industries Ltd. (2)-(4)-(8).  
\* Plastic Capacitors, Inc. 2-3-4-8-9-10-11.  
\* Polarad Electronics Corp. 5.  
\* Poytechnic Research & Development Co., Inc. 5-7.  
\* Polytronics Co. (11).  
\* Power Sources, Inc. 1-2-3-6-8-9-10-11.  
\* Powertronic Equipment Ltd. (1)-(2)-(6)-(8)-(9)-(10)-(11).  
\* Pye Canada Ltd., Transmission Div. 1-2-8-11.
- Pye & Co. Ltd., W. G. 2-8.  
Quan-Tech Laboratories 2-8-9-10-11.  
\* RCA Victor Co. Ltd. (1)-(2)-(7)-(8)-(9)-(11).  
Racal Engineering Ltd. 2-9.  
Radiation Counter Laboratories, Inc. 4.  
Radiation, Inc. 11.  
Radio Frequency Laboratories, Inc. 3-10.  
Radiometer 2-8.  
\* Radionics Ltd. 1-2-3-4-5-6-7-8-9-10-11.  
\* Radio Trade Supply Ltd. 1-2-8-9-10-11.  
\* Ram Electronics, Inc. 1-2-9-11.  
\* Randall (Canada) Ltd., Douglas 2-6-8-9-10-11.  
\* Rank Cintel Ltd. 1-2-4-8-11.  
\* Raypar, Inc. 1-2-8-9-11.  
\* Raytheon Canada Ltd. (1)-(2)-(11).  
\* Research Instrumentation Ltd. (1)-(2)-(4)-(9)-(10)-(11).  
\* Rutherford Agencies 2-9.  
\* Sangamo Electric Co. 1-2-3-8-11.  
\* Sarkes Tarzian, Inc. 7-8.  
\* Schauer Mfg. Corp. 2-9.  
\* Seco Mfg. Co. 2-9.  
\* Servomechanisms (Canada) Ltd. (1)-(2)-(3)-6-(8).  
\* Shallcross Mfg. Co. 2.  
\* Siemens Edison Swan (Canada) Ltd. 11.  
\* Sierra Electronic Corp. 5-7.  
\* Simpson Mfg. Co., Inc., Mark 1.  
\* Sinclair Radio Labs. Ltd. (5)-(7)-(9).  
\* Smith Ltd., Irving 1-2-3-4-9-10.  
\* Smyth Electronic Components Ltd. 2-4-8-9.  
\* Sola Electric (Canada) Ltd. (1)-(2)-(3)-(4)-(6)-(8)-(9)-(10)-(11).  
\* Sorensen & Co., Inc. 1-2-3-4-6-8-9-11.  
\* Southwestern Industrial Electronics Co. 1-2-3-4-8-9-10-11.  
\* Specific Products 10.  
\* Spectrol Electronics Corp. 1-2-3-4-9-11.  
\* Sperry Gyroscope Co. of Canada Ltd. 5.  
\* Spivey, Inc., James S. 1-2.  
\* Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 9.  
\* Standard Television Products Ltd. (1)-(2)-(3)-(4)-(8)-(9)-(10).  
\* Stark Electronic Sales Co. 1-2-3-4.  
\* Stelma, Inc. 8.  
\* Superior Electric Co., The 1-2-10.  
\* Syntrom (Canada) Ltd. (2).  
\* T.M.C. (Canada) Ltd. (2)-(4)-(8)-(11).  
\* Taylor-Leslie Mining & Engineering Corp. Ltd. 6.  
\* Tecneek Associates 2-8-10-11.  
\* Tele-Radio Systems Ltd. 1-9.  
\* Tel-Instrument Electronics Corp. 3-10.  
\* Texas Instruments Incorporated 9.  
\* Thermionic Products (Electronics) Ltd. 9.  
\* Thompson Ltd., Chas. L. 3.  
\* Tilton Ltd., John R. 2.  
\* Titania Electric Corp. of Canada Ltd. 1-2-3-6-9-10-11.  
\* Topping Electronics Ltd., F. V. 9.  
\* Triad Instruments & Controls Ltd. (8)-(9)-(10)-(11).  
\* Tullamore Electronics Corp., (A Sub. of The Victoreen Instrument Co.) 4-8-10.  
\* Universal Electronics Co. 2-3-4-6-8-9-10-11.  
\* Valor Instruments, Inc. 1-2-3-8-9-10-11.  
\* Varah Ltd., L. A. 1-2-3-8-9-10-11.  
\* Vector Labs, Inc. (1)-(2)-(8)-(9)-(10)-(11).  
\* Venner Electronics Ltd. 8-9-10-11.  
\* Vickers Inc., Electric Products Div. 1-2-8-9-11.  
\* Ward Leonard of Canada Ltd. 2-3-4-6-8-9-10-11.  
\* Weltronic Co. 1-2.  
\* Westbury Electronics, Inc. 2-3-6-8-9-11.  
\* Western Agencies Ltd. 1-2-9-10-11.  
\* Whittaker, E. E. 1-2-3-4-6-8-9-10-11.  
\* Wholesale Radio & Electronics Ltd. 1-2-6-8-9-10-11.
- \* Amplivox (Canada) Ltd. (1).  
\* Astral Electric Co., Ltd. 1.  
\* Atlas Radio Corp. Ltd. 1.  
\* Barvic Engineering Ltd. (1).  
\* Beama Engineering Ltd. (1).  
\* Bern and Company Ltd., Lee 1.  
\* Bogen-Presto Co. 1.  
\* A/S Bruel & Kjaer 1.  
\* Burr-Brown Research Corp. 1.  
\* Canadian Electrical Supply Co. Ltd. 1.  
\* Canadian Electronics Ltd. 1.  
\* Centronix Inc. 1.  
\* Chisholm Industries Ltd. (1).  
\* Clark Ltd., Alex L. 1.  
\* Cohen Ltd., William 1.  
\* Control Electronics Co., Inc. 1.  
\* Conway Electronic Enterprises Reg'd 1.  
\* Crawford Radio, The 1.  
\* D & B Sound and Signals Inc. 1.  
\* Daystrom, Ltd. 1.  
\* Dominion Electrohome Industries Ltd. (1).  
\* Dow-Key Company, Inc. 1.  
\* Electrodesign 1.  
\* Electromechanical Products 1.  
\* Electro Sonic Supply Co. Ltd. 1.  
\* E.M.I.-Cossor Electronics Ltd. 1.  
\* Electro Instruments, Inc. 1.  
\* Electronlabs 1.  
\* Electronic Instrument Co., Inc. 1.  
\* Electronic Materials International Ltd. 1.  
\* Engineered Sound Systems Ltd. (1).  
\* Fairchild Recording Equipment Corp. 1.  
\* Ferrotran Electronics Co., Inc. 1.  
\* General Sound & Theatre Equipment Ltd. 1.  
\* Goodmans Industries Ltd. 1.  
\* Gould Sales Co., E. S. 1.  
\* Gray Ltd., H. Roy 1.  
\* Hackbusch Electronics Ltd. 1.  
\* Industrial Development Engineering Associates, Inc. 1.  
\* Industrial & Institutional Communications Ltd. (1).  
\* Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 1.  
\* Kahnert Sales Ltd., R. C. 1.  
\* Lustraphone Ltd. 1.  
\* MEL Sales Ltd. 1.  
\* Mack Co. Ltd., R. 1.  
\* MacQuarrie Sales, J. J. 1.  
\* McCurdy Radio Industries Ltd. (1).  
\* McIntosh Laboratory Inc. 1.  
\* Merritt Co., Ron 1.  
\* Muirhead Instruments Ltd. 1.  
\* Murphy Radio Ltd. 1.  
\* National Sound Services Ltd. 1.  
\* Nems-Clarke Co., Div. of Vitro Corp. of America 1.  
\* Northern Electric Co. Ltd. (1).  
\* Peffer Sound Systems Ltd. 1.  
\* Pye Canada Ltd., Transmission Div. 1.  
\* RCA Victor Co. Ltd. (1).  
\* Radiometer 1.  
\* Radionics Ltd. 1.  
\* Radio Trade Supply Ltd. 1.  
\* Rauland-Borg Corp. 1.  
\* Research Instrumentation Ltd. (1).  
\* Smyth Electronic Components Ltd. 1.  
\* Soundmaster Ltd. (1).  
\* T.M.C. (Canada) Ltd. (1).  
\* Taber Instrument Corp. 1.  
\* Tequipment Mfg. Co. Ltd. 1.  
\* Tele-Radio Systems Ltd. 1.  
\* Telex, Inc. 1.  
\* Thompson Ltd., Chas. L. 1.  
\* Thompson Products Ltd. 1.  
\* Tilton Ltd., John R. 1.  
\* Varah Ltd., L. A. 1.  
\* Venner Electronics Ltd. 1.  
\* Western Agencies Ltd. 1.  
\* Westronic Engineering Sales (A Div. of L. A. Varah Ltd.) 1.  
\* Whiteley Electrical Radio Co. Ltd. 1.  
\* Wholesale Radio & Electronics Ltd. 1.

## Printers

|                  |   |
|------------------|---|
| High Speed ..... | 1 |
| Keyboard .....   | 2 |
| Line .....       | 3 |

## Preamplifiers, Audio

|  |   |
|--|---|
| Preamplifiers, Audio .....             | 1 |
| Acoustical Manufacturing Co. Ltd. (1). |   |
| Active Radio & TV Ltd. 1.              |   |
| Alpha-Aracon Radio Co. Ltd. 1.         |   |

- \* Atlas Instrument Corp. Ltd. 1.
- \* Burroughs Adding Machine Co. of Canada Ltd. (1)-(2).
- \* Burroughs Adding Machine of Canada Ltd., Computer Systems Div. (1)-(2)-(3).
- \* Burroughs Corp., ElectroData Div. 1.
- \* Computer-Measurements Co. 1.

- Creed & Co. Ltd. 1-2.
- Electrodesign 1-2.
- Electromechanical Products 1.
- Epsco, Inc. 1.
- Hackbusch Electronics Ltd. 1.
- Hewlett-Packard Co. 1.
- Intronics Ltd. 1.
- International Business Machines Co. Ltd. (1)-(2)-(3).
- Potter Instrument Co., Inc. 1-3.
- Radiation, Inc. 1.
- Radionics Ltd. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1-2.
- T.M.C. (Canada) Ltd. (1)-(2)-(3).
- Venner Electronics Ltd. 1.
- Hermann Wetzler KG. 1-3.

### Probes

|                      |   |
|----------------------|---|
| High Frequency ..... | 1 |
| High Voltage .....   | 2 |
| Microwave .....      | 3 |

- Ahearn and Soper Co. Ltd. 1-2.
- Aircon Inc. 3.
- Airtron Inc., A Div. of Litton Industries 3.
- Alpha Aracon Radio Co. Ltd. 1-2.
- Atlas Instrument Corp. Ltd. 1-2-3.
- Avtek Systems Engineering Ltd. (1).
- Baird-Atomic, Inc. 2.
- Bendix Aviation Corp., Scintilla Div. 1-3.
- Bern and Company Ltd., Lee 1-2.
- Burgess, Norris 1-2.
- Canadian Electrical Supply Co. Ltd. 1-2.
- Canadian Electronics Ltd. 1-2.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Canadian Marconi Co., Electronic Tube & Components Div. 1-2.
- Collins Radio Co. of Canada Ltd. (3).
- Conway Electronic Enterprises Reg'd 1-2-3.
- Cossor Instruments Ltd. 1.
- Dayrand Ltd. 1.
- Daystrom, Ltd. 2.
- Delta Aircraft Equipment Ltd. 3.
- DeMornay-Bonardi, Inc. 3.
- Electro Sonic Supply Co. Ltd. 1-2.
- E.M.I.-Cossor Electronics Ltd. (1).
- E.M.I. Electronics Ltd. 2.
- Electronic Instrument Co., Inc. 2.
- FXR Inc. 3.
- Finkler Ltd., Len 2.
- General Cement Mfg. Co. — Div. of Textron Inc. 2.
- Glendon Instrument Co. Ltd., The 1-2-3.
- Gray Ltd., H. Roy 1-2.
- Hackbusch Electronics Ltd. 1-2.
- IRC Resistors, Div. of Renfrew Electric Co. Ltd. (1)-(2).
- Kelvin & Hughes (Canada) Ltd. 3.
- MEL Sales Ltd. 1-2-3.
- Merritt Co., Ron 1-2.
- Microwave Systems 3.
- Mitchell Electronics, J. C. E. 3.
- Narda Microwave Corp., The 3.
- Payette Radio Ltd. 1-2.
- Precision Apparatus Co., Inc. 1-2.
- Radiometer 1-2.
- Radionics Ltd. 1-2-3.
- Radio Trade Supply Ltd. 1-2.
- Simpson Electric Co. 1-2.
- Sinclair Radio Labs. Ltd. (3).
- Stark Electronic Sales Co. (1)-(2).
- Tecneek Associates 2.
- Tektronix Inc. 1.
- Telerad Mfg. Corp. 3.
- Thlton Ltd., John R. 1-2.
- Varah Ltd., L. A. 1-2.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 2.
- Waterloo Electronics Supply Co. Ltd. 1-2.
- Western Agencies Ltd. 1-2.
- Wholesale Radio & Electronics Ltd. 1-2.

### Projection Units, Television

#### Projection Units, Television 1

- Barvic Engineering Ltd. 1.
- Blonder-Tongue Laboratories, Inc. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.

- Electronic Research & Development Co. Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- Electrolite Television Equipment Inc. 1.
- General Precision Laboratory Inc. 1.
- General Sound & Theatre Equipment Ltd. 1.
- Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 1.
- Marconi's Wireless Telegraph Co. Ltd. 1.
- Northern Electric Co. Ltd. 1.
- RCA Victor Co. Ltd. (1).
- Trad Electronics Corp. 1.

### Pumps

|                |   |
|----------------|---|
| Metering ..... | 1 |
| Vacuum .....   | 2 |

- ARVA Inc. (2).
- Aviation Electric Ltd. 2.
- Aviation Electric Pacific Ltd. 2.
- Canadian Liquid Air Co. 2.
- Central Scientific Co. of Canada, Ltd. (2).
- Conway Electronic Enterprises Reg'd 2.
- Delta Aircraft Equipment Ltd. 1-2.
- Edwards High Vacuum (Canada) Ltd. (2).
- Eitel-McCullough, Inc. 2.
- Fischer & Porter Co. 1.
- Fisher Scientific Co. Ltd. (2).
- Gardner-Denver Co. 2.
- Higginson Equipment Sales Ltd. 2.
- Joy Manufacturing Co. 2.
- Keith Mercer Co. Ltd. 1-2.
- Kerr-Machin Associates 2.
- Kinney Mfg. Div., The New York Air Brake Co. 2.
- NRC Equipment Corp. 2.
- Nelson Vacuum Pump Co. 2.
- Philips Electronics Industries Ltd. (1)-(2).
- Radionics Ltd. 2.
- Railway & Power Engineering Corp. Ltd. 1-2.
- Showalter, R. J. 1-2.
- Simmonds Aerocoessories, Inc. 1.
- Tecneek Associates 2.
- Thermovolt Instruments Ltd. 1-2.
- Veeco Vacuum Corp. 2.

### Pushbuttons

|                   |   |
|-------------------|---|
| Pushbuttons ..... | 1 |
|-------------------|---|

- Alpha Aracon Radio Co. Ltd. 1.
- Associated Electronic Components Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Automatic Electric (Canada) Ltd. (1).
- Automatic Electric Sales (Canada) Ltd. 1.
- Automatic Electric International, Inc. 1.
- Autophone Ltd. 1.
- Barvic Engineering Ltd. 1.
- Burlec Sales Ltd. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Constellation Components Co. 1.
- Davis Automatic Controls Ltd. 1.
- Dewhurst & Partner Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- G-C Electronics Mfg. Co., Div. of G-C Textron Inc. 1.
- Hackbusch Electronics Ltd. 1.
- Herring & Co. Ltd., John 1.
- Honeywell Controls Ltd. (1).
- International Systems Ltd. 1.
- Kahnert Sales Ltd., R. C. 1.
- Lake Engineering Co. Ltd. 1.
- Leonard Electric Ltd. 1.
- Mack Co. Ltd., R. 1.
- Painton & Co. Ltd. 1.
- Pfeiffer Electronic Laboratories 1.
- Prince and Roberts 1.
- Radio Trade Supply Ltd. 1.
- Smith & Stone Ltd. (1).
- Varah Ltd., L. A. 1.
- Waldom Electronics Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

### Quartz, Fused

|                     |   |
|---------------------|---|
| Quartz, Fused ..... | 1 |
|---------------------|---|

- Engelhard Industries of Canada Ltd. 1.
- Lake Engineering Co. Ltd. 1.

Texas Instruments Incorporated 1.

### Racks, Aging

|                    |   |
|--------------------|---|
| Racks, Aging ..... | 1 |
|--------------------|---|

- CBC Electronics Co., Inc. 1.
- Measurement Engineering Ltd. (1).
- RCA Victor Co. Ltd. (1).

### Radar

|                            |   |
|----------------------------|---|
| Early Warning Search ..... | 1 |
| Gun Fire Control .....     | 2 |
| Marine .....               | 3 |
| Weather .....              | 4 |

- Associated Electrical Industries (Canada) Ltd. (1)-(2)-(3).
- Aviation Electric Ltd. 3.
- Aviation Electric Pacific Ltd. 3-4.
- Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (1)-(2).
- Bendix Aviation Corp., Bendix-Pacific Div. 2-3-4.
- Canadian Aviation Electronics Ltd. (2).
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. (1)-(2).
- Canadian Marconi Co. (3).
- Canadian Motorola Electronics Ltd. 4.
- Canadian Pratt and Whitney Aircraft Co. Ltd. 2-4.
- Collins Radio Co. of Canada Ltd. (4).
- Daystrom Instrument, Div. of Daystrom, Inc. 1-2.
- Decca Radar (Canada) Ltd. 1-3-4.
- Delta Aircraft Equipment Ltd. 1-2.
- E.M.I.-Cossor Electronics Ltd. (1)-(2)-(3)-(4).
- E.M.I. Electronics Ltd. 1-2.
- Fleet Manufacturing Ltd. (1)-(4).
- Hart Electronics Ltd. 3-4.
- Kelvin & Hughes (Canada) Ltd. 3.
- Kelvin & Hughes Ltd. 3.
- Marconi's Wireless Telegraph Co. Ltd. 1-2-3-4.
- RCA Victor Co. Ltd. (3).
- Radiation, Inc. 1-2-3-4.
- Radionics Ltd. 4.
- Raytheon Canada Ltd. (1)-(3)-(4).
- Siemens Edison Swan (Canada) Ltd. 1-2-3.
- Sperry Gyroscope Co. of Canada Ltd. 3.
- Spilsbury & Tindall Ltd. (3).
- Texas Instruments Incorporated 1-2-3.

### Radiosondes

|                   |   |
|-------------------|---|
| Radiosondes ..... | 1 |
|-------------------|---|

- Canadian Motorola Electronics Ltd. 1.
- Centronix Inc. 1.
- Computing Devices of Canada Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- Ferrotron Electronics Co., Inc. 1.
- General Instrument — F. W. Sickles of Canada Ltd. (1).
- Hackbusch Electronics Ltd. 1.
- Keik Ltd., George (1).
- Mechron Engineering Products Ltd. 1.
- Rank Cintel Ltd. 1.
- Texas Instruments Incorporated 1.
- Topping Electronics Ltd., F. V. (1).
- Whiteley Electrical Radio Co. Ltd. 1.

### Radomes

|               |   |
|---------------|---|
| Radomes ..... | 1 |
|---------------|---|

- Ahearn and Soper Co. Ltd. 1.
- Andrew Antenna Corp. Ltd. (1).
- Brunswick-Balke-Collender Co. of Canada Ltd., The (1).
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Clark Ltd., Alex L. 1.
- Emerson Plastics Corp. 1.
- Emerson & Cuming, Inc. 1.
- Fleet Manufacturing Ltd. (1).
- Howard & Co. Ltd., M. J. 1.
- Hull Corp. 1.
- Kidde & Co. of Canada Ltd., Walter (1).

- Long Sault Woodcraft Ltd. (1).
- Marconi's Wireless Telegraph Co. Ltd. 1.
- Pioneer Industries Inc. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Sinclair Radio Labs. Ltd. (1).
- Thompson Fiber Glass Co., H. I. 1.

### Rare Earths

|                   |   |
|-------------------|---|
| Rare Earths ..... | 1 |
|-------------------|---|

- Fisher Scientific Co. Ltd. (1).

### Reactors

|                 |   |
|-----------------|---|
| Filter .....    | 1 |
| Saturable ..... | 2 |

- Acme Electric Corp. Ltd. (2).
- Acme Electric Corp. 2.
- Aircraft Appliances & Equipment Ltd. 1.
- Airpax Electronics Inc. 2.
- Alpha Aracon Radio Co. Ltd. 1-2.
- Associated Electronic Components Ltd. 1-2.
- Audio Transformer Co. Ltd. (1).
- Bayly Engineering Ltd. (1)-(2).
- Control, A Div. of Magnetics Inc. 2.
- Conway Electronic Enterprises Reg'd 1-2.
- Davis Automatic Controls Ltd. 2.
- Electro Sonic Supply Co. Ltd. 2.
- Fraser Ltd., George M. 1-2.
- Garrett Mfg. Corp. of Canada, Ltd., The (2).
- Goodmans Industries Ltd. 1.
- Hammond Mfg. Co. Ltd. (1)-(2).
- Kelvin Electric Co. 1-2.
- Kidde & Co. of Canada Ltd., Walter (1)-(2).
- Lake Engineering Co. Ltd. 1.
- Lindberg Engineering Co. 2.
- Lucas-Rotax Ltd. (1)-(2).
- Magnetic Coil Co. (1)-(2).
- Magnetics Inc. 2.
- Merritt Co., Ron 1.
- Mitchell Electronics, J. C. E. 1-2.
- New York Coil Co. 1-2.
- Polytronics Co. (1)-(2).
- RCA Victor Co. Ltd. (1)-(2).
- Railway & Power Engineering Corp. Ltd. 2.
- Randall (Canada) Ltd., Douglas (1)-(2).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Standard Television Products Ltd. (1).
- Telex, Inc. 1-2.
- Triad Transformer Corp. 1.
- Varah Ltd., L. A. 1-2.
- Var-L Company, Inc. 2.
- Vickers Inc., Electric Products Div. 2.
- Waterloo Electronics Supply Co. Ltd. 2.
- Westbury Electronics, Inc. 1-2.

### Receivers

|                               |    |
|-------------------------------|----|
| Aircraft .....                | 1  |
| A-M/F-M Communication .....   | 2  |
| A-M Fixed Frequency .....     | 3  |
| Automatic Radio Alarm .....   | 4  |
| Automobile .....              | 5  |
| Communication & Amateur ..... | 6  |
| Diversity Reception .....     | 7  |
| F-M .....                     | 8  |
| F-M Multiplex .....           | 9  |
| Loran .....                   | 10 |
| Marine .....                  | 11 |
| Microwave .....               | 12 |
| Panoramic .....               | 13 |
| Portable & Mobile .....       | 14 |
| Radio Direction Finder .....  | 15 |
| Railroad .....                | 16 |
| Single Side Band .....        | 17 |
| Transistor Operated .....     | 18 |
| UHF .....                     | 19 |
| VHF .....                     | 20 |
| VWV .....                     | 21 |

- Addison Industries Ltd. (5)-(8)-(14).
- Ahearn and Soper Co. Ltd. 2-3-4-7-8-9-11-12-13-14-15-17-18-19-20.
- Airborne Instruments Lab., A Div. of Cutler-Hammer, Inc. 12.
- Airmec Ltd. 6.
- Airtron Inc., A Div. of Litton Industries 12.
- Alpha Aracon Radio Co. Ltd. 1-2-3-5-6-7-8.
- American Electronic Laboratories, Inc. 13.
- American Television & Radio Co. 5.
- Armstrong Ltd., A. T. R. (6)-(18).
- Astral Electric Co. Ltd. 8.

- Atlas Radio Corp. Ltd. 8.
- Automatic Electric Sales (Canada) Ltd. 2-12.
- Automatic Telephone & Electric Co. Ltd. 7-19-20.
- Aviation Electric Ltd. 11-15.
- Aviation Electric Pacific Ltd. 1-2-3-8-14-15-16-19-20.
- Avtek Systems Engineering Ltd. (1)-(3)-(6)-(17)-(20).
- Barvic Engineering Ltd. 2-6-8-9-11-14-20.
- Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (7)-(12)-(15).
- Bendix Aviation Corp., Bendix-Pacific Div. 11.
- Bern and Company Ltd., Lee 5.
- Blonder-Tongue Laboratories, Inc. 8.
- Blunt Ltd., L. G. 12.
- Bogen-Presto Co. 2-8-9.
- Buckland Co., Robert J. 2-5-6-14-17.
- Budelman Electronics Corp. 6-8-9-12-19-20.
- Burgess, Norris 14-18.
- C.G. Electronics Corp. 12-18-19-20.
- Canadian Admiral Corp. Ltd. (14)-(18).
- Canadian Electrical Supply Co. Ltd. 2-3-5-6-8-14.
- Canadian Electronics Ltd. 2-5-6-12-14-20.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 2-3-(6)-(8)-(9)-(11)-(12)-(14)-19-20.
- Canadian Marconi Co. 4-10-11-(12)-(15)-17-(19).
- Canadian Marconi Co., Electronic Tube & Components Div. 3-6-11-14-15-16-17-20.
- Canadian Motorola Electronics Ltd. (8)-(14)-(16)-(17)-(18)-(19)-(20).
- Canadian Westinghouse Co. Ltd. (7)-(12)-(13).
- Centronix Inc. 1-2-4-5-8.
- Chisholm Industries Ltd. (2)-(3)-(6)-(11)-(14).
- Clairtone Sound Corp. Ltd. 4-5-8-9.
- Clark Ltd., Alex L. 8.
- Collins Radio Co. of Canada Ltd. (1)-(2)-(3)-(5)-(6)-(7)-(9)-(11)-(12)-(14)-(15)-(16)-(17)-(18)-(19)-(20).
- Computing Devices of Canada Ltd. 1-14-15-16.
- Control Electronics Co., Inc. 12-15-17.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9-11-12-13-14-15-16-17-18-19-20-21.
- Crawford Radio, The 5-6-17.
- Daveco Agencies Ltd. 8-18.
- Daystrom, Ltd. 2-4-8-11-14-15-17-19-19-20.
- Dell Radio Telephone Ltd. 2-3-6-8-14-20.
- Desser E-E Ltd. 2-8.
- Domac Technical Sales Ltd. 9.
- Dominion Electrohome Industries Ltd. (5)-(8)-(14).
- Electromechanical Products 1-2-6-7-8-12-17-19-20.
- Electronic Instrument Co., Inc. 8.
- Electronic Materiels International Ltd. (1)-(2)-(3)-(4)-(6)-(10)-(14)-(18)-(19)-(20).
- Electronic Research & Development Co. Ltd. (2)-(3)-(6)-(7)-(8)-(14)-(17)-(19)-(20).
- Electro Sonic Supply Co. Ltd. 2-5-6-8-9-11-14-15-17-18-20.
- Empire Devices Products Corp. 12-13-17-19-20.
- Engineered Sound Systems Ltd. 6-17.
- FXR Inc. 12.
- Ferranti Packard Electric Ltd. (19).
- Ferrotran Electronics Co., Inc. 18.
- Filer-Smith Machinery Co. Ltd. 21.
- Foster & Sons Ltd., Anthony 1-15.
- Geertz & Holm Canada Ltd. 5-8-14-18.
- General Communication Co. 1.
- General Precision Laboratory Inc. 7.
- General Sound & Theatre Equipment Ltd. 8-9-12.
- Gray Ltd., H. Roy 8-9.
- Hackbusch Electronics Ltd. 5-6-8-9-14.
- Hart Electronics Ltd. 1-2-3-4-5-6-16-17-19-20.
- Hewlett-Packard Co. 20.
- Industrial Development Engineering Associates, Inc. 6-8-14-18.
- Industrial & Institutional Communications Ltd. 3.
- Instantaneous Recording Service 8-9.
- Intronics Ltd. 2-3-6-7-8-11-13-14-17-18-21.
- International Systems Ltd. (8)-(17)-(20).
- Kaar Engineering Corp. 1-2-3-4-6-11-14-15-19-20.
- Kahnert Sales Ltd., R. C. 6-8-9.
- Kelvin & Hughes (Canada) Ltd. 12.
- LEL, Inc. 2-3-12-14-18-19-20.
- Lenkurt Electric Co. of Canada Ltd. (12)-(17).
- Lomas, E. G. 12.
- MEL Sales Ltd. 2-12-13-15-19-21.
- Marconi's Wireless Telegraph Co. Ltd. 1-2-3-4-6-7-8-9-11-15-17-18-19-20.
- Measurement Engineering Ltd. (2)-(3).
- Merritt Co., Ron 6-8-9-18.
- Multi-Products Co. 6-11-14.
- Murphy Radio Ltd. 1-3-6-11-20.
- National Radio Co. Inc. 6-14-15-17-21.
- Nems-Clarke Co., Div. of Vitro Corp. of America 2-3-6-8-19-20.
- Northern Radio Co., Inc. 6-7.
- Payette Radio Ltd. 6-8.
- Peffer Sound Systems Ltd. 8.
- Philco Corp. of Canada Ltd. 12.
- Plessey Co. of Canada Ltd. (1)-(2)-(3)-(5)-(6)-(8)-(14)-(17)-(19)-(20).
- Polarad Electronics Corp. 10-12-13.
- RCA Victor Ltd. (4)-(5)-(6)-(7)-(8)-(10)-(11)-(12)-(14)-(15)-(17)-(18)-(19)-(20).
- Racal Engineering Ltd. 3-6-13-17.
- Radionics Ltd. 12.
- Radio Trade Supply Ltd. 2-5-6-8-9-11-14-17-18-19-20.
- Railway & Power Engineering Corp. Ltd. 1-15-20.
- Raytheon Canada Ltd. (11)-(12)-(15)-(18).
- Redifon Canada, A Div. of Redifusion Inc. 2-3-4-6-7-8-10-11-15-17.
- Redifon Ltd. 2-3-4-6-7-8-11-14-15-17-18-20.
- Research Instrumentation Ltd. (2)-(3)-(4)-(6)-(7)-(8)-(18).
- Rogers Electronic Tubes & Components 6-(15).
- Rutherford Agencies 2-3-6-7-17-19-20-21.
- Sarkes Tarzian, Inc. 6-8-12.
- Schomandl, KG 13.
- Servo Corp. of America 2-15-19-20.
- Sherwood Electronic Laboratories, Inc. 9.
- Simmonds Aerocessories, Inc. 14-15-19.
- Simpson Mfg. Co. Inc. Mark 8.
- Sinclair Radio Labs. Ltd. (12).
- Smyth Electronic Components Ltd. 3-8-9.
- Sonar Radio Corp. 15.
- Sparton of Canada Ltd. (8)-(14)-(18).
- Specific Products 21.
- Sperry Gyroscope Co. of Canada Ltd. 10.
- Spillsbury & Tindall Ltd. (2)-(8)-(11)-(14)-(20).
- Spivey, Inc., James S. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 6-7-11-12-15-17.
- Stratton & Co. Ltd. 2-6-8-11-17-19-20.
- Superex Electronics Corp. 14-18.
- Sylvania Electric (Canada) Ltd. (18).
- T.M.C. (Canada) Ltd. (2)-(3)-(6)-(7)-(8)-(9)-(11)-(14)-(17).
- Tequipment Mfg. Co. Ltd. 8.
- Telerad Mfg. Corp. 12.
- Tele-Radio Systems Ltd. 1-2-3-4-6-7-8-9-11-12-14-15-16-17-18-19-20-21.
- Thompson Ltd., Chas. L. 4-5-6-8-9.
- Tilton Ltd., John R. 8-15-18.
- Topping Electronics Ltd., F. V. (3)-(6)-(11)-(14)-(18).
- Varah Ltd., L. A. 2-6-8-20.
- Waterloo Electronics Supply Co. Ltd. 6-8-17.
- Western Agencies Ltd. 2-5-6-8.
- Whiteley Electrical Radio Co. Ltd. 8.
- White Radio Ltd. 6.
- Wholesale Radio & Electronics Ltd. 2-5-6-8-9-14-17-19-20.
- Willard Spenser Co. 1-3-12-15.

## Receiving Equipment VHF Omni-Range

- Receiving Equipment, VHF Omni-Range ..... 1
- Ahearn and Soper Co. Ltd. 1.
- Aviation Electric Pacific Ltd. 1.
- Barvic Engineering Ltd. 1.
- Centronix Inc. 1.
- Collins Radio Co. of Canada Ltd. (1).
- Computing Devices of Canada Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Dell Radio Telephone Ltd. 1.
- Electronic Materiels International Ltd. (1).
- Foster & Sons Ltd., Anthony 1.
- Hart Electronics Ltd. 1.
- International Systems Ltd. (1).
- Kaar Engineering Corp. 1.
- Marconi's Wireless Telegraph Co. Ltd. 1.
- Philips Electronics Industries Ltd. 1.
- Redifon Ltd. 1.
- Servo Corp. of America 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Tele-Radio Systems Ltd. 1.

## Recorders

- |                                       |    |
|---------------------------------------|----|
| Depth .....                           | 1  |
| Disc .....                            | 2  |
| Drum, Magnetic .....                  | 3  |
| Facsimile .....                       | 4  |
| Film .....                            | 5  |
| Fluid Flow — Electronic .....         | 6  |
| Frequency .....                       | 7  |
| Humidity, Electronic .....            | 8  |
| Liquid Level — Electronic .....       | 9  |
| Magnetic Tape .....                   | 10 |
| Mechanical .....                      | 11 |
| Power Level .....                     | 12 |
| Pressure — Electronic .....           | 13 |
| Smoke & Combustion — Electronic ..... | 14 |
| Sound Level .....                     | 15 |
| Strain .....                          | 16 |
| Telemetering .....                    | 17 |
| Temperature — Electronic .....        | 18 |
| Video Tape .....                      | 19 |
| Wire .....                            | 20 |
- Aeromotive Engineering Products Ltd. 6-17-18.
  - Ahearn and Soper Co. Ltd. 7-15-17.
  - Alpha Aracon Radio Co. Ltd. 2-20.
  - Ampex American Corp. (3)-(4)-(10)-(15)-(19).
  - Antlab Inc. 12.
  - Armstrong Ltd., A. T. R. (10).
  - ARVA Inc. (12)-(13)-(15)-(16)-(17)-(18).
  - Astral Electric Co. Ltd. 1-10.
  - Atlas Radio Corp. Ltd. 10.
  - Audio Instrument Co., Inc. 15.
  - Aviation Electric Ltd. 1.
  - Bailey Meter Co. Ltd. (6)-(9)-(11)-(13)-(14)-(17)-(18).
  - Balrd-Atomic, Inc. 18.
  - Barber-Colman of Canada Ltd. (8)-(13)-(16)-(18).
  - Barber-Colman Co. 8-9-13-14-16-18.
  - Barvic Engineering Ltd. 10-15.
  - Beckman/Berkeley Div. 6-7.
  - Bel Clear Products (Div. of Electronic Specialties) (10).
  - Bendix Aviation Corp., Bendix-Pacific Div. 1.
  - Bepco Canada Ltd. (6)-(7)-(8)-(9)-(13)-(14)-(16)-(17)-(18).
  - Bogen-Presto Co. 2-10.
  - Brenell Engineering Co. Ltd. 10.
  - Bristol Co. of Canada Ltd., The (6)-(7)-(8)-(9)-(11)-(13)-(14)-(16)-(17)-(18).
  - British Ferrograph Recorder Co. Ltd. 1-10.
  - A/S Bruel & Kjaer 15-16.
  - Burgess, Norris 10.
  - Burroughs Corp., ElectroData Div. 3-10.
  - CIS-CAN Chemical & Industrial Sales Ltd. 1-6-8-13-14-17.
  - Caldwell A/V Equipment Co. Ltd. 5-10.
  - Calfone Corp. 10.
  - Cambridge Instrument Co., Ltd. 11-13-18.
  - Canadian Applied Research Ltd. 3.
  - Canadian Electrical Supply Co. Ltd. 10.
  - Canadian General Electric Co., Ltd., Electronic Equipment & Tube Dept. 4-5-10-17-19.
  - Canadian Marconi Co. 1.
  - Canadian Marconi Co., Electronic Tube & Components Div. 1-10.
  - Canavia Engineering & Sales Co. 6.
  - Centronix Inc. 1-13-16-17.
  - Clark Ltd., Alex L. 5-10.
  - Collins Radio Co. of Canada Ltd. 10.
  - Computer-Measurements Co., Div. of Pacific Industries 7-17.
  - Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20.
  - Crawford Associates, Allan 3-10.
  - Creed & Co. Ltd. 4.
  - Daveco Agencies Ltd. 10.
  - Daystrom, Ltd. 1-6-7-8-9-11-12-13-15-18.
  - Dictaphone Corp. Ltd. 10.
  - E.M.I.-Cossor Electronics Ltd. (3)-(10)-(15)-(19).
  - E.M.I. Electronics Ltd. 3-8-10-17-19.
  - Edison Industries, Thomas A., McGraw-Edison Co. (Canada) Ltd. (2)-10.
  - Elder Electronics 12-13-15.
  - Electrodesign 7-11-13.
  - Electro Instruments, Inc. 11.
  - Electromechanical Products 5-7-9-10-11-13-16-17-18.
  - Electronic Associates Ltd. (9).
  - Electronic Enterprises Ltd. (10).
  - Electronic Materiels International Ltd. (10)-(20).
  - Electronic Research Associates, Inc. 1.
  - Electronic Specialties (10).
  - Electro Sonic Supply Co. Ltd. 2-10.
  - Electro-Sonic Laboratories, Inc. 3.
  - Ellis Industries, The J. W. 11-17.
  - Evershed-Powertron Ltd. (6)-(9)-(11)-(13)-(14)-(17)-(18).
  - Evershed and Vignoles Ltd. 1-2-6-7-9-11-12-13-17-18.
  - Fairchild Recording Equipment Corp. 2.
  - Fielden Electronics Ltd. 8-9-13-14-16-18.
  - Filer-Smith Machinery Co. Ltd. 17.
  - Fischer & Porter Co. 6-9-13.
  - Fleming Radio (Developments) Ltd. 14.
  - Fraser Ltd., George M. 7-11-12.
  - Garrett Mfg. Corp. of Canada Ltd., The 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20.
  - Geertz & Holm Canada Ltd. 10.
  - General Controls Co. (Canadian) Ltd. 6-8-13-18.
  - General Radio Co. (Canadian Branch Office) (15).
  - General Radio Co. 12-15.
  - General Sound & Theatre Equipment Ltd. 10-15.
  - Gray Ltd., H. Roy 10.
  - Guardian Electric Mfg. Co. 11.
  - Hackbusch Electronics Ltd. 5-17.
  - Hart Electronics Ltd. 1.
  - Hastings-Raydist, Inc. 13.
  - Hobson & Associates, W. 7-12-17.
  - Honeywell Controls Ltd. (6)-(7)-(8)-(9)-(10)-(14)-(16)-(17)-(18).
  - Impact-O-Graph Corp., The 11.
  - Industrial & Institutional Communications Ltd. 10.
  - Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 10.
  - Intronics Ltd. 3-6-7-9-10-13-16-17-18.
  - International Business Machines Co. Ltd. (3)-(10).
  - International Systems Ltd. 1-6.
  - Isotope Developments Ltd. 9.
  - Kahnert Sales Ltd., R. C. 10.
  - Kay Electric Co. 17.
  - Keith Mercer Co. Ltd. 6-9-13-14-17-18.
  - Kelvin & Hughes (Canada) Ltd. 1-6-13-14-16-18.
  - Kelvin & Hughes Ltd. 1-5-10-11-13-14-16-18.
  - Langham Thompson Ltd., J. 7-16-17.
  - Lisle Instrument Systems 6-9-13-14.
  - Machinery Electrification Inc. 9.
  - Martin Engineering Inc. 14.
  - Measurement Engineering Ltd. 6-7-8-(9)-13-(14)-16-17-18.
  - Mechcon Engineering Products Ltd. 10-16.
  - Merritt Co., Ron 10.
  - Microwave Systems 16-17.
  - Moseley Co., F. L. 7-11-13-15-17-18.
  - Muirhead Instruments Ltd. 4.
  - Muirhead & Co. Ltd. 4-10.
  - Nichols Ltd., R. H. 2-11-17-18.

- Northern Radio Mfg. Co. Ltd. (4).
- Ohmart Corp., The 9.
- Payette Radio Ltd. 10.
- Peirce Dictation Systems 3-10-20.
- Photomast, Inc. (formerly Ess Instrument Co.) 14.
- Photon Instrument Co. 16-17.
- Pointon Ltd., Charles W. 10.
- Potter Instrument Co., Inc. 10.
- Pye Canada Ltd., Transmission Div. 5.
- RCA Victor Co. Ltd. 1-(2)-(5)-(10)-(19).
- R-O-R Associates Ltd. 3-6-7-10-13-15-16-17-18.
- Radiation, Inc. 17.
- Radiometer 15.
- Radionics Ltd. 1-3-4-7-9-12-13-14-15-16-17-18-19.
- Radio Trade Supply Ltd. 2-10.
- Railway & Power Engineering Corp. Ltd. 7-13-18.
- Randall (Canada) Ltd., Douglas 10-19.
- Rank Cintel Ltd. 3-5.
- Raytheon Canada Ltd. (1).
- Record Electrical Co. Ltd., The 7.
- Rek-O-Kut Co. 2.
- Robertshaw-Fulton Controls Co., Aeronautical & Instrument Div. 9.
- S.I.D.A.M. Ltd. 19.
- Sanborn Co. 7-12-13-15-16.
- Schomandl KG 7.
- Scientific-Atlanta, Inc. 12.
- Seabreeze Sales Ltd. (10).
- Showalter, R. J. 7.
- Siemens Edison Swan (Canada) Ltd. 18.
- Simmonds Aerocessories, Inc. 6-9.
- Simpson Mfg. Co. Inc., Mark 2-10.
- Smyth Electronic Components Ltd. 10-20.
- Southern Instruments Ltd. 13.
- Southwestern Industrial Electronics Co. 3-10-15.
- Standell-Hoffman Corp. 10.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1-4.
- Tatnall Measuring and Nuclear Systems 6-13-16-18.
- Taylor Instrument Cos. of Canada Ltd. (6)-(8)-(13)-(18).
- Technical Products Co., Instrument Div. 11-15.
- Tecneek Associates 7-8-9-11-12-13-15-16-18.
- Tellurometer Canada Ltd. 8.
- Thermionic Products (Electronics) Ltd. 10.
- Thermovolt Instruments Ltd. 8-9-13-(18).
- Thompson Ltd., Chas. L. 2-10.
- Thompson Products Ltd. 10.
- Titanium Electric Corp. of Canada Ltd. 6-9-13-16-17-18.
- United States Gauge Div., American Machine & Metals, Inc. 11.
- Varah Ltd., L. A. 2-10.
- Varian Associates of Canada Ltd. (18).
- Western Agencies Ltd. 10.
- West Instrument Corp. 18.
- Wickman Ltd., A. C. 13-16.

**Records, Test**

- Records, Test ..... 1
- Bern and Company Ltd., Lee 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Astral Electric Co., Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Fraser Ltd., George M. 1.
- Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 1.
- Moseley Co., F. L. 1.
- Payette Radio Ltd. 1.
- RCA Victor Co. Ltd. (1).
- Radio Trade Supply Ltd. 1.
- Varah Ltd., L. A. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

**Rectifiers**

- Copper Oxide ..... 1
- Copper Sulphide ..... 2
- Germanium Area Type ..... 3
- Germanium Diode ..... 4
- Selenium ..... 5
- Silicon ..... 6
- Tube ..... 7
- Abbey Electronics Ltd. 6-7.
- Adams Engineering Ltd. 4-6.
- Ahearn and Soper Co. Ltd. 5-6.

- Alloy Metal Sales Ltd. 6.
- Alpha Aracon Radio Co. Ltd. 1-4-5-6-7.
- Armstrong Ltd., A. T. R. (5)-(6).
- Associated Electrical Industries (Canada) Ltd. (3)-(4)-(6).
- Associated Electronic Components Ltd. 1-5-6.
- Atlas Radio Corp. Ltd. 4-5-6.
- Audio Devices, Inc. 6.
- Barvic Engineering Ltd. 5.
- Bern and Company Ltd., Lee 4-5-6-7.
- Burlec Sales Ltd. 5-7.
- CBS Electronics, A Div. of Columbia Broadcasting System, Inc. 4-6-7.
- Canadian Electrical Supply Co. Ltd. 1-2-3-4-5-6-7.
- Canadian Electronics Ltd. 1-2-3-4-5-6-7.
- Canadian General Electric Co. Ltd., Electronic Tube Section (Radiovalve Co. Ltd.) 1-(3)-(4)-(5)-(6)-(7).
- Canadian Line Materials (5)-(7).
- Canadian Marconi Co., Electronic Tube & Components Div. 4-7.
- Canadian Westinghouse Co. Ltd., Electronic Tube Div. 4-5-(6)-(7).
- Central Electronic Manufacturers 7.
- Clark Ltd., Alex L. 6.
- Cohen Ltd., William 5-6.
- Conant Laboratories 1-5.
- Crawford Radio, The 5-6-7.
- Dawstrom, Ltd. 1.
- Desser E.E. Ltd. 4-5-6.
- E.C.C. Canada Ltd. 4-6.
- E.M.I.-Cossor Electronics Ltd. (7).
- Eitel-McCullough, Inc. 7.
- Electrodesign 5.
- Electro Sonic Supply Co. Ltd. 2-3-4-5-6-7.
- English Electric Co. Ltd., The 6.
- English Electric Valve Co. Ltd. 3-4-7.
- Ericsson Telephone Sales of Canada Ltd. (4)-(5).
- Finkler Ltd., Len 5-6.
- General Instrument - F. W. Sickles of Canada Ltd. 4-5-6.
- Hackbusch Electronics Ltd. 3-4-5-6.
- Hughes Products 4-6-7.
- IRC Resistors, Div. of Renfrew Electric Co. Ltd. (5).
- Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd. (5)-(6)-(7).
- International Rectifier of Canada Ltd. (3)-(4)-(5)-(6).
- International Rectifier Corp. 3-5-6.
- International Resistance Co. 5.
- International Telephone & Telegraph Corp. 5-6-7.
- Kemtron Electron Products Inc. 6.
- Lake Engineering Co. Ltd. 4-5-6-7.
- Langham Thompson Ltd., J. 5.
- Lomas, E. G. 6.
- Lucas-Rotax Ltd. 6.
- Mallory & Co. Inc., P. R. 2-6.
- McVity & Co., J. R. G. (5)-(6).
- Nichols Ltd., R. H. 1-3-5-6.
- Northern Electric Co. Ltd. 5-6.
- Pacific Semiconductors, Inc. 6.
- Payette Radio Ltd. 1-4-5-6-7.
- Phillips Electronics Industries Ltd. (5)-(7).
- Plessey Co. of Canada Ltd. (6).
- Plewes Co., John S. 5.
- Pointon Ltd., Charles W. 5-6.
- Powertronic Equipment Ltd. (4)-(5)-(6)-(7).
- Prince and Roberts 5.
- RCA Victor Ltd. (7).
- R-O-R Associates Ltd. 4-6.
- Radio Receptor Co., Inc. 3-4-5-6-7.
- Radio Trade Supply Ltd. 1-2-4-5-6-7.
- Randall (Canada) Ltd., Douglas 5.
- Raytheon Canada Ltd. (4)-(5)-(6)-(7).
- Robinson Co., C. M. 4-5-6.
- Rogers Electronic Tubes & Components (3)-(4)-(6)-(7).
- S.I.D.A.M. Ltd. 5.
- Sarkes Tarzian, Inc. 5-6.
- Schauer Mfg. Corp. 1.
- Sheppard, R. D. B. 7.
- Showalter, R. J. 5-6.
- Siemens Edison Swan (Canada) Ltd. 4-6-7.
- Simmonds & Sons Ltd., A. C. (2)-(6).
- Smyth Electronic Components Ltd. 4-5.
- Standard Telephones & Cables Mfg. (Canada) Ltd. 4-5-6-7.

- Sylvania Electric (Canada) Ltd. 4-5-6-(7).
- Syntron (Canada) Ltd. (5)-(6).
- Taylor-Leslie Mining & Engineering Corp. Ltd. (4)-(6).
- Tecneek Associates 4-5.
- Telecom Ltd. 5.
- Tequipment Mfg. Co. Ltd. 4-5-6.
- Tenatronics Ltd. 5-6.
- Texas Instruments Incorporated 6.
- Texas Instruments Incorporated, Semi-conductor-Components Div. 6.
- Tilton Ltd., John R. 4.
- Topping Electronics Ltd., F. V. (8).
- Transiron Electronic Corp. 4-6.
- Tregaskiss Sales Co., William 1-2-5-6-7.
- Varah Ltd., L. A. 4-5-6-7.
- Vickers Inc., Electric Products Div. 5-6.
- Waterloo Electronics Supply Co. Ltd. 1-5-6-7.
- Weltron Co. 7.
- Western Agencies Ltd. 1-4-5-6-7.
- Whittaker, E. E. 6.
- Wholesale Radio & Electronics Ltd. 1-2-4-5-6-7.

**Rectifiers, Power Supplies**

**Rectifiers, Power Supplies 1**

- Acme Electric Corp. Ltd. (1).
- Adams Engineering Ltd. 1.
- Ahearn and Soper Co. Ltd. 1.
- Aircraft Appliances & Equipment Ltd. (1).
- Alloy Metal Sales Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- American Electronics Co. 1.
- American Superior Electric Co., Ltd. (1).
- American Television & Radio Co. 1.
- Atlas Radio Corp. Ltd. 1.
- Barvic Engineering Ltd. (1).
- Becco Canada Ltd. (1).
- Bergen Laboratories Inc. 1.
- Canadian Aviation Electronics Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Line Materials (1).
- Canadian Research Institute (1).
- Christie Electric Corp. 1.
- Clark Ltd., Alex L. 1.
- Crawford Associates, Allan 1.
- D & B Sound and Signals Inc. 1.
- Dresser Electric Ltd. (1).
- E.C.C. Canada Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- Electrodesign 1.
- Electromechanical Products 1.
- Electronic Controls Ltd. (1).
- Electronic Materials International Ltd. (1).
- Electronic Research Associates, Inc. 1.
- Electro Sonic Supply Co. Ltd. 1.
- English Electric Co. Ltd., The 1.
- Ericsson Telephone Sales of Canada Ltd. (1).
- General Sound & Theatre Equipment Ltd. 1.
- Hackbusch Electronics Ltd. 1.
- Hoover Co. Ltd., The 1.
- Hummel, William M. 1.
- Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd., (1).
- Industron Corp. 1.
- Keppo, Inc. 1.
- Kidde & Co. of Canada Ltd., Walter (1).
- Lucas-Rotax Ltd. (1).
- MacQuarrie Sales, J. J. 1.
- Mallory & Co. Inc., P. R. 1.
- McVity & Co., J. R. G. (1).
- Microwave Systems 1.
- Mitchell Electronics, J. C. E. 1.
- Moloney Electric Co. of Canada Ltd. (1).
- NJE Corp. 1.
- National Sound Services Ltd. (1).
- Nichols Ltd., R. H. (1).
- Northern Electric Co. Ltd. 1.
- Payette Radio Ltd. 1.
- Perkin Engineering Corp. 1.
- Peschel Electronics, Inc. 1.
- Power Sources, Inc. 1.
- Powertronic Equipment Ltd. (1).
- Radio Receptor Co., Inc. 1.
- Radio Trade Supply Ltd. 1.
- Randall (Canada) Ltd., Douglas 1.
- Rapid Electric Co. 1.
- S.I.D.A.M. Ltd. 1.
- Sarkes Tarzian, Inc. 1.

- Schauer Mfg. Corp. 1.
- Siemens Edison Swan (Canada) Ltd. 1.
- Simmonds & Sons Ltd., A. C. (1).
- Smyth Electronic Components Ltd. 1.
- Sola Electric (Canada) Ltd. (1).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. (1).
- Superior Electric Co., The 1.
- Syntron (Canada) Ltd. (1).
- Tecneek Associates 1.
- Telecom Ltd. 1.
- Teje-Radio Systems Ltd. 1.
- Triad Instruments & Controls Ltd. (1).
- Varah Ltd., L. A. 1.
- Weltron Co. 1.
- Western Agencies Ltd. 1.
- Westronic Engineering Sales (A Div. of L. A. Varah Ltd.) 1.
- Wholesale Radio & Electronics Ltd. 1.

**Regulators**

|                 |   |
|-----------------|---|
| Current .....   | 1 |
| Frequency ..... | 2 |
| Voltage .....   | 3 |

- Acme Electric Corp. Ltd. (1)-(3).
- Adams Engineering Ltd. 1-3.
- Ahearn and Soper Co. Ltd. 3.
- Aircraft Appliances & Equipment Ltd. 1-2-3.
- Alpha Aracon Radio Co. Ltd. 1-2-3.
- American Superior Electric Co., Ltd. (3).
- ARVA Inc. (1)-(2)-(3).
- Atlas Radio Corp. Ltd. 3.
- Aviation Electric Pacific Ltd. 1-3.
- Bayly Engineering Ltd. 3.
- Becco Canada Ltd. (1)-(2)-(3).
- Bergen Laboratories Inc. 3.
- Bern and Company Ltd., Lee 3.
- Brown Boveri (Canada) Ltd. (1)-(2)-(3).
- Burlec Sales Ltd. 3.
- CBC Electronics Co., Inc. 3.
- Canadian Electrical Supply Co. Ltd. 1-3.
- Canadian Electronics Ltd. 2-3.
- CERL-DALE, Limited (formerly Canadian Electric Resistors Ltd.) 3.
- Clarostat Mfg. Co., Inc. 3.
- Collins Radio Co. of Canada Ltd. 3.
- Conway Electronic Enterprises Reg'd 2.
- Crawford Associates, Allan 1-2-3.
- Deskin Sales Co., A. 3.
- E.C.C. Canada Ltd. 3.
- E.M.I.-Cossor Electronics Ltd. 2.
- Electrodesign 3.
- Electrolabs 3.
- Electromechanical Products 1-2-3.
- Electronic Components Ltd. (3).
- Electronic Research Associates, Inc. 1-2-3.
- Electro Sonic Supply Co. Ltd. 1-3.
- Engineered Magnetics Div., Gulton Industries Inc. 3.
- English Electric Co. Ltd., The 3.
- Ferrotran Electronics Co., Inc. 3.
- Fluke Mfg. Co. Inc., John 1-3.
- General Communications Ltd. 3.
- General Radio Co. (Canadian Branch Office) (3).
- General Radio Co. 3.
- Hammond Mfg. Co. Ltd. (1)-(3).
- International Rectifier Corp. 3.
- Kato Engineering Co. 3.
- Kelk Ltd., George (3).
- Keppo, Inc. 3.
- Kidde & Co. of Canada Ltd., Walter (1)-(2)-(3).
- Lucas-Rotax Ltd. (3).
- Marconi's Wireless Telegraph Co. Ltd. 3.
- Mitchell Electronics, J. C. E. 1-2-3.
- Nichols Ltd., R. H. (1)-(3).
- Norrman Laboratories, Ernst 2.
- Northern Electric Co. Ltd. 3.
- North Hills Electric Co., Inc. 1.
- Ohio Crankshaft Co., The - Tocco Div. 3.
- Payette Radio Ltd. 3.
- Perkin Engineering Corp. 1-2-3.
- Philbrick Researches, Inc., George A. 1-3.
- Polytronics Co. (3).
- Power Sources, Inc. 1-2-3.
- R-O-R Associates Ltd. 3.
- Radiation, Inc. 1-3.
- Radiation Research Corp. 1-3.
- Radionics Ltd. 1-2-3.
- Radio Trade Supply Ltd. 1-2-3.

Randall (Canada) Ltd., Douglas 3.  
 Raytheon Canada Ltd. (3).  
 Siemens Edison Swan (Canada) Ltd. 2-3.  
 Smyth Electronic Components Ltd. 1-3.  
 Sola Electric (Canada) Ltd. (1)-(3).  
 Sorensen & Co., Inc. 3.  
 Standard Telephones & Cables Mfg. Co. (Canada) Ltd. (2).  
 Stark Electronic Sales Co. 1.  
 Superior Electric Co., The 3.  
 Tecneek Associates 3.  
 Tel-Instrument Electronics Corp. 3.  
 Topping Electronics Ltd., F. V. (2)-(3).  
 Transiron Electronics Corp. 3.  
 Triad Instruments & Controls Ltd. (1)-(3).  
 Valor Instruments, Inc. 3.  
 Varah Ltd., L. A. 3.  
 Vector Labs. Inc. (1)-(2)-(3).  
 Vickers Inc., Electric Products Div. 1-2-3.  
 Weltronic Co. 1-3.  
 Whittaker, E. E. 1-3.  
 Wholesale Radio & Electronics Ltd. 3.

### Relays

d'Arsonval ..... 1  
 Differential ..... 2  
 Frequency Selective ..... 3  
 High Voltage ..... 4  
 Impulse ..... 5  
 Keying and Break-in ..... 6  
 Latching ..... 7  
 Mercury ..... 8  
 Overload ..... 9  
 Overvoltage &  
 Undervoltage ..... 10  
 Passive Microwave ..... 11  
 Photoelectric ..... 12  
 Polarized ..... 13  
 Power ..... 14  
 Rotary ..... 15  
 Sensitive ..... 16  
 Sequence ..... 17  
 Stepping ..... 18  
 Sub-Miniature ..... 19  
 Telephone ..... 20  
 Time Delay ..... 21  
 Vacuum Contact ..... 22  
 Vibrating Reed Type ..... 23

AEEMCO, Inc. 6-7-14-19-20.  
 A/G'A Div. of Elastic Stop Nut Corp. of America 21.  
 Adams Engineering Ltd. 4-5-9-10-13-14-16-19-20.  
 Adams & Westlake Co., The 8-21.  
 Aeromotive Engineering Products Ltd. 1-2-3-5-8-7-9-10-12-14-16-17-18-19-20-21-23.  
 Ahearn and Soper Co. Ltd. 2-3-8-9-10-14-19-21.  
 Aircraft Appliances & Equipment Ltd. 4-7-9-10-13-14-16-17-19-21.  
 Airfile Components Co. 4-5-6-7-9-10-12-14-15-16-17-18-19-20-21.  
 Airmec Ltd. 12-21.  
 Allen-Bradley Canada Ltd. (14)-(21).  
 Allied Control Company, Inc. 2-4-5-7-9-10-13-14-15-16-19-20-21-22.  
 Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-6-7-9-9-10-13-14-15-16-17-18-19-20-21-22-23.  
 Amalgamated Electric Corp. Ltd. (5)-(9)-(15)-(18)-(19)-(20).  
 Armstrong Ltd., A. T. R. (7)-(16)-(20)-(21).  
 Arrow Hart & Hegeman (Canada) Ltd. (7)-(9).  
 Arrow-Hart & Hegeman Electric Corp. 7-9.  
 ARVA Inc. (6)-(8)-(12)-(16)-(19)-(21)-(22).  
 Associated Electrical Industries (Canada) Ltd. (12)-(21).  
 Associated Electronic Components Ltd. 2-4-5-6-7-8-9-10-13-14-16-18-19-20-21.  
 Atlas Radio Corp. Ltd. 21.  
 Automatic Electric (Canada) Ltd. (5)-(7)-(8)-(13)-(15)-(16)-(17)-(18)-(20)-(21)-(23).  
 Automatic Electric Sales (Canada) Ltd. 5-7-8-13-15-16-17-18-20-21-23.  
 Automatic Electric International, Inc. 5-7-8-13-15-16-17-18-20-21-23.  
 Automatic Switch Co. 2-4-7-9-10-13-14-16-17-21.  
 Automatic Telephone & Electric Co. Ltd. 3-5-6-7-8-13-15-18-20-21.

Autophone Ltd. 4-5-16-18-20-21.  
 Autotron Inc. 12.  
 Aviation Electric Pacific Ltd. 23.  
 Avionics Ltd. (4)-(6)-(7)-(9)-(14)-(19)-(20).  
 Bach-Simpson Ltd. (1)-(16).  
 Barber-Colman Co. 7-13-16.  
 Barvic Engineering Ltd. 5-15-20-21-23.  
 Bayly Engineering Ltd. (16).  
 Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (13).  
 Belling & Lee Ltd. 21.  
 Bendix Aviation Corp., Bendix-Pacific Div. 17-18-21.  
 Bepeco Canada Ltd. (3)-(9)-(10)-(12)-(16)-(21).  
 Bergen Laboratories Inc. 21.  
 Bern and Company Ltd., Lee 9-16-19-20-21.  
 Biddle Co., James G. 23.  
 Brian Engineering Ltd. 2-4-5-6-7-9-10-14-19-20-21.  
 Bristol Co. of Canada Ltd., The 19-23.  
 Bristol Motor Div., Vocaline Co. of America 21.  
 Brown Boveri (Canada) Ltd. (2)-(4)-(7)-(9)-(10)-(13)-(14)-(16)-(17)-(18)-(21).  
 Buckland Co., Robert J. 13-16.  
 Burlec Sales Ltd. 8-10-16-19-20-21.  
 C. G. Electronics Corp. 23.  
 Canadian Electrical Supply Co. Ltd. 3-4-5-6-7-8-9-10-12-13-14-15-16-17-18-19-21.  
 Canadian Electronics Ltd. 1-2-3-4-5-6-7-8-9-10-14-16-18-19-20-21-23.  
 Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 19.  
 Canadian Line Materials (7)-(14)-(20)-(21).  
 Canadian Motorola Electronics Ltd. 11-(23).  
 Canadian Research Institute (1)-(12)-(17)-(18)-(21).  
 Cannon Electric Canada Ltd. 6-7-9-14-15-16-19-20-21.  
 Carriere and MacFeeters Ltd. (16)-(17)-(19).  
 Clare Canada Ltd., C. P. (5)-(6)-(7)-(8)-(13)-(14)-(16)-(18)-(19)-(20).  
 Collins Radio Co. of Canada Ltd. (11).  
 Consolidated Electronic Equipment Co. Ltd. (13)-21.  
 Constellation Components Co. 2-4-5-7-8-9-10-14-16-17-20-21-22.  
 Conway Electronic Enterprises Reg'd 1-14-23.  
 Couch Ordnance Inc. 15-19.  
 Crawford Radio, The 6-14-16-19.  
 Curtiss Wright Corp. — Electronics Div. 10-16-21.  
 D & B Sound and Signals Inc. 18-20.  
 Darcy Ltd., J. H. (2)-(4)-(5)-(6)-(7)-(9)-(10)-(14)-(16)-(20)-(21).  
 Davis Automatic Controls Ltd. 2-8-9-10-14-15-17-18-21.  
 Daystrom, Ltd. (1)-2-(10)-(16).  
 Deskint Sales Co., A. 6-7-9-10-12-14-16-18-19-20-21.  
 Dewhurst & Partner Ltd. 9-21.  
 Dominion Electrohome Industries Ltd. 17-21.  
 Durakool, Inc. 8-21.  
 E.C.C. Canada Ltd. 9-10.  
 E.M.I.-Cossor Electronics Ltd. (19).  
 E-T-A Products of Canada Ltd. (9)-(21).  
 Eagle Signal Co. 18-21.  
 Ebert Electronics Corp. 7-8-9-14-16-21-22.  
 Edwards High Vacuum (Canada) Ltd. (22).  
 Eitel-McCullough, Inc. 22.  
 Electrolabs 18-20-21.  
 Electronic Associates Ltd. (12).  
 Electronics Corp. of America (Canada) Ltd. (12).  
 Electro Sonic Supply Co. Ltd. 2-4-5-6-7-8-9-10-13-14-15-16-17-18-19-20-21.  
 Ellis Industries, The J. W. 23.  
 Engel & Gibbs Ltd. 4-7-8-9-10-14-15-16-18-19-20-21-22.  
 Engineered Sound Systems Ltd. 18-20-21.  
 English Electric Co. Ltd., The 2-4-9-10-14-16.  
 Ericsson Telephone Sales of Canada Ltd. (5)-(15)-(18)-(19)-(20)-(21)-(23).  
 Essex Wire Corp. 4-8-9-13-14-16-19-20-22.  
 Evershed and Vignoles Ltd. 2-16.  
 Exact Engineering & Manufacturing, Inc. 2-10-16.  
 Farmer Electric Products Co. Inc. 12-21.  
 Filer-Smith Machinery Co. Ltd. 8-12.

Frost (Canada) Ltd., L. H. (14).  
 Fraser Ltd., George M. 5-15-18.  
 G-V Controls Inc. 10-19-21.  
 Garrett Mfg. Corp. of Canada, Ltd., The (19).  
 Gasaccumulator Co. (Canada) Ltd. 21.  
 General Controls Co. (Canadian) Ltd. 21.  
 P. Gossen & Co. G.m.b.H. 1-9-10-12.  
 Guardian Electric Mfg. Co. 4-5-6-7-9-10-14-15-16-17-18-19-20-21.  
 Hackbusch Electronics Ltd. 13-15-16-20.  
 Hamilton Watch Co. 21.  
 Hart Mfg. Co., The 13-14-16-17-20.  
 Haydon Co., The A. W. 10-17-18-21.  
 Herring & Co. Ltd., John 2-3-4-5-6-7-9-10-12-13-14-16-17-19-20-21-23.  
 Hillburn Electronic Products Co. 5-6-7-12-13-14-16-17-18-19-20.  
 Honeywell Controls Ltd. (7)-(18).  
 Howard & Co. Ltd., M. J. 2-3-4-7-9-14-16-17-18-19-20-21.  
 Intronics Ltd. 16.  
 International Systems Ltd. 3-5-6-7-13-16-17-18-19-20-21-23.  
 Iron Fireman Mfg. Co., Electronics Div. 7-16-19.  
 Kidde & Co. of Canada Ltd., Walter (2)-(7)-(12)-(13)-(14)-(16)-(21).  
 Kurman Electric Co., A Sub. of Crescent Petroleum Corp. 4-5-6-7-9-10-11-12-13-14-16-19-20-21.  
 Lake Engineering Co. Ltd. 9-20-21.  
 Leonard Electric Ltd. 9-10-15-16-21.  
 Lisle Instrument Systems 8-12-21.  
 Londex Ltd. 2-4-5-6-7-8-9-10-12-14-16-17-18-20-21.  
 Machinery Electrification Inc. 9-12-16-21.  
 MacIvor Electronics Ltd. 20.  
 MacQuarrie Sales, J. J. 5-6-7-14-20-21.  
 Marsland Engineering Ltd. (18)-(19).  
 Martin Engineering Inc. 12-(21).  
 Measurement Engineering Ltd. 8-(12)-(16).  
 Mercoid Corp., The 8.  
 Metals & Controls Div. of Texas Instruments Incorporated 9.  
 Metronix Inc. 22.  
 Muirhead Instruments Ltd. 2.  
 Muirhead & Co. Ltd. 2.  
 Musimart of Canada, Ltd. 7-9-14-16-19-20.  
 National Semiconductors Ltd. (12).  
 Northern Electric Co. Ltd. (20).  
 Ohmite Mfg. Co. 7-9-10-14-16-20-21.  
 Osborne Electric Co. Ltd. (2)-(3)-(4)-(5)-(6)-(7)-(9)-(10)-(13)-(14)-(16)-(19)-(20)-(21).  
 Payette Radio Ltd. 6-7-9-16-18-21.  
 Penn Keystone Corp. 16-19-22.  
 Penta Laboratories, Inc. 22.  
 Peschel Electronics, Inc. 4.  
 Pfeiffer Electronic Laboratories 14.  
 Phillips Control Corp. 7-14-16-19-20-21.  
 Photomation, Inc. (formerly Ess Instrument Co.) 12.  
 Plessey Co. of Canada Ltd. (14)-(19).  
 Potter & Brumfield Canada Ltd. (5)-(6)-(7)-(9)-(12)-(13)-(14)-(16)-(17)-(18)-(19)-(20).  
 Price Electric Corp. 4-7-14-15-16-17-18-19-20-21.  
 Prince and Roberts 5-6-7-15-16-17-18-19-20-23.  
 RCA Victor Co. Ltd. 4-7.  
 Radio Condenser Co. Ltd. 4-6-7-14-15-18-19-20-21.  
 Radio Engineering Products (13).  
 Radio Trade Supply Ltd. 4-6-7-9-10-12-13-14-15-16-18-19-20-21.  
 Randall (Canada) Ltd., Douglas 16.  
 Record Electrical Co. Ltd., The 1-9-10-16.  
 Research Instrumentation Ltd. (20).  
 Rhodes, Inc., M. H. 21.  
 Robinson Co., C. M. 1-2-6-7-9-14-16-20-21.  
 Rousseau Controls Ltd. 13.  
 Sealcraft Switch & Relay Corp. 7-13-14-15-18-20.  
 Shaw Co., D. T. 2-5-6-7-9-10-12-13-15-16-18-19-21.  
 Showalter, R. J. 6-14-16.  
 Siemens Edison Swan (Canada) Ltd. 5-8-12-13-15-16-20-21-23.  
 Sigma Instruments, Inc. 2-5-6-7-12-13-14-16-18-19.

Simmonds & Sons Ltd., A. C. (6)-(7)-(9)-(10)-(14)-(15)-(16)-(17)-(18)-(19)-(20)-(21).  
 Simpson Electric Co. 1.  
 Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 13-16-20-22-23.  
 Stegg Electric Ltd. (9)-(10)-(16)-(20).  
 Struthers-Dunn Relays, Div. of Renfrew Electric Co. Ltd. (2)-(4)-(5)-(6)-(7)-(8)-(9)-(10)-(14)-(16)-(17)-(18)-(19)-(20)-(21).  
 Tech Laboratories, Inc. 15-18.  
 Tecneek Associates 5-7-8-9-14-16-18-21.  
 Tempo Instrument Inc. 9-10-21.  
 Thermovolt Instruments Ltd. & Thompson Ltd., Chas. L. 5-6-7-14-16-17-18-19-20-21.  
 Tilton Ltd., John R. 14-16-20-21.  
 Titania Electric Corp. of Canada Ltd. 16-19-23.  
 Tregaskiss Sales Co., William 4-14-17-21.  
 Triplett Electrical Instrument Co., The 1.  
 Varah Ltd., L. A. 1-2-3-4-5-6-7-9-10-12-13-14-15-16-17-18-19-20-21-22-23.  
 Vector Labs. Inc. (12)-(18).  
 Venner Electronics Ltd. 21.  
 Ward Leonard of Canada Ltd. (14)-(16).  
 Ward Leonard Electric Co. 14-16.  
 Waterloo Electronics Supply Co. Ltd. 6-14-16-18-20-21.  
 Western Agencies Ltd. 5-6-7-9-10-12-14-16-18-19-20-21-22-23.  
 Whittaker, E. E. 1-4-6-9-10-14-16-17-19-20-21.  
 Wholesale Radio & Electronic Ltd. 1-6-7-8-9-12-14-16-17-18-19-20-21.  
 Zenith Electric Co. 10-14-21.

### Resins, Potting and Encapsulating

Resins, Potting & Encapsulating ..... 1  
 C.G. Electronics Corp. 1.  
 Canadian Applied Research Ltd. (1).  
 Canadian Industries Ltd. (1).  
 Carbide Chemicals Co., Div. of Union Carbide Canada Ltd. (1).  
 Dow Corning Silicones Ltd. (1).  
 Du Pont of Canada Ltd. 1.  
 E.M.I. Electronics Ltd. 1.  
 Electro Sonic Supply Co. Ltd. 1.  
 Emerson & Cuming, Inc. 1.  
 Howard & Co. Ltd., M. J. 1.  
 Hummel, William M. 1.  
 Hysol (Canada) Ltd. (1).  
 Lomas, E. G. 1.  
 Murphy Radio Ltd. 1.  
 Norrich Plastics Corp., Div. of Norrich Screw Machine Products 1.  
 Whiteley Electrical Radio Co. Ltd. 1.  
 Willard Spenser Co. 1.

### Resistors

Carbon Film ..... 1  
 Deposited Carbon ..... 2  
 Encapsulated ..... 3  
 Fixed Composition ..... 4  
 Fuse ..... 5  
 Miniature Variable ..... 6  
 Precision, Film Type ..... 7  
 Printed Strip ..... 8  
 Silicone ..... 9  
 Sub-Miniature ..... 10  
 Tape ..... 11  
 Variable Composition ..... 12  
 Variable Wire Wound ..... 13  
 Wire Wound ..... 14  
 Wirewound Precision ..... 15  
 Wire Woven ..... 16  
 Ace Electronics Associates Inc. 6-10-13-14-15.  
 Adams Engineering Ltd. 3-6-7-10-12-14-15.  
 Aeromotive Engineering Products Ltd. 15.  
 Aerovox Canada Ltd. 1-2-3-7-8-14-15.  
 Ahearn and Soper Co. Ltd. 15.  
 Allen-Bradley Canada Ltd. 4-6-7-12.  
 Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-6-7-8-9-10-12-13-14-15.  
 American Superior Electric Co. Ltd. (13)-(15).  
 Amphenol-Borg Electronics Corp., Borg Equipment Div. 13

- Armstrong Ltd., A. T. R. (13)-(14).
- Associated Electronic Components Ltd. 2-5-10-13-14.
- Automatic Coil Co. Inc. 14.
- Bayly Engineering Ltd. (14)-(15).
- Beckman Instruments Inc. (12)-(13)-(14)-(15).
- Beckman Instruments, Inc. 4-14-15.
- Bern and Company Ltd., Lee 1-2-4-5-13-14.
- Bradford Components, Inc. 3-5-13-14-15.
- Bulgin & Co. Ltd., A. F. 13-14.
- Burgess, Norris 5-13-14-15.
- Cambridge Instrument Co., Ltd. 15.
- Canadian Electrical Supply Co. Ltd. 1-2-3-4-5-6-10-12-13-14-15-16.
- Canadian Electronics Ltd. 1-2-6-14.
- Canadian Marconi Co., Electronic Tube & Components Div. 1-2-3-4-5-6-7-10-12-13-14-15.
- Canadian Research Institute (15).
- Canadian Stackpole Ltd. (4)-(12).
- CERL-DALE, Limited (formerly Canadian Electric Resistors Ltd.) 1-2-3-6-7-(9)-(13)-(14)-(15).
- Centralab Canada Ltd. (6)-(12)-(13).
- Centralab Div. of Globe Union Inc. 3-6-10-12-13.
- Clarostat Mfg. Co., Inc. 1-2-3-6-7-10-12-13-14-15.
- Constanta Co. of Canada Ltd., The (1)-(2)-(3)-(7).
- Conway Electronic Enterprises Reg'd 1-2-6-7-13-14.
- Crawford Radio, The 1-2-4-13-14.
- Dale Products, Inc. 1-2-3-6-7-10-13-14-15.
- Daveco Agencies Ltd. 2.
- Daystrom, Ltd. 6-7-10-12-13-14-15.
- Daystrom Pacific, Div. of Daystrom, Inc. 13.
- Desser E-E Ltd. 15.
- Dubilier Condenser Co. (1925) Ltd. 2.
- Electra Manufacturing Co. 1-2-3-7-10.
- Electrodesign 2-14.
- Electro-Flex Heat, Inc. 9-14-16.
- Electro Instruments, Inc. 15.
- Electromechanical Products 3-6-9-10-13-14-15.
- Electronic Components Ltd. (14)-(15).
- Electro Sonic Supply Co. Ltd. 1-2-3-4-5-6-7-10-12-13-14-15-16.
- Ellis Industries, The J. W. 15.
- Emerson Products Corp. 8-9.
- Enfo Inc. 6-10-11.
- Ericsson Telephone Sales of Canada Ltd. (4)-(14).
- Erie Resistor of Canada Ltd. 2-3-4.
- Erie Resistor Corp. 1-2-4.
- Finkler Ltd., Len 14.
- Gamewell Co., The 6-10-13-14-15.
- General Cement Mfg. Co. — Div. of Textron Inc. 1-2.
- General Radio Co. 13-14-15.
- General Transistor Corp. 8-14-15.
- Glendon Co. Ltd., The 14.
- Hackbusch Electronics Ltd. 12.
- Hardwick Hindle Inc. 12-13-14.
- Heenan Ltd., P. J. 6-12-13.
- Hellpot Div. of Beckman Instruments Inc. (6)-(7)-(13)-(15).
- Herring & Co. Ltd., John 2-3-5-7-10-13-14-15.
- Howard & Co. Ltd., M. J. 2.
- Hummel, William M. 3-14-15.
- IRC Resistors, Div. of Renfrew Electric Co. Ltd. (1)-(2)-(3)-(4)-(5)-(6)-(7)-(8)-(12)-(13)-(14)-(15).
- Industrial Electronics of Canada, Div. of C. C. Meredith & Co. Ltd. (6)-(12)-(13).
- Industrial Instruments, Inc. 13-14-15.
- International Resistance Co. 1-2-3-4-5-7-8-10-14-15.
- Kahnert Sales Ltd., R. C. 4.
- Kelvin Electric Co. 3-10-14-15.
- Kerr-Machin Associates 2-13-14.
- Lake Engineering Co. Ltd. 1-2-3-4-7-8-13-14.
- Lomas, E. G. 3-6-9-10-13-14-15.
- MEL Sales Ltd. 6-7-15.
- Mack Co. Ltd., R. 1.
- MacQuarrie Sales, J. J. 15.
- Mallory & Co. Inc., P. R. 1-3-5-6-8-10-12-13-14-15.
- Marsland Engineering Ltd. (14).
- McIntyre Agencies 1-2.
- Meredith & Co. Ltd., C. C. (6)-(12)-(13)-(15).
- Micarta Fabricators Ltd. (1)-(2)-(3)-(4)-(7)-(14)-(15).

- Milwaukee Resistor Co. 5-9-13-14-15.
- Muirhead Instruments Ltd. 13-(14)-(15).
- Muirhead & Co. Ltd. 13-14-15.
- Non-Linear Systems Inc. 3-15.
- Ohmite Fys. Co. 3-4-5-7-9-10-12-13-14-15.
- Onondaga Pottery Co., (Electronics Div.) 8.
- Palnton & Co. Ltd. 1-2-7-10-13-14-15.
- Payette Radio Ltd. 1-2-4-5-6-7-12-13-14-15-16.
- Pfeiffer Electronic Laboratories 1-2-4-6-7-10-12-13-14-15.
- Pitt Distributing Co. Ltd. 14.
- Plessey Co. of Canada Ltd. (14)-(15).
- Pointon Ltd., Charles W. 1-2-3-4-5-7-10-13-14-15.
- Polytronics Co. (15).
- Precision Electronic Components (1956) Ltd. (6)-(10)-(12)-14-15.
- R-O-R Associates Ltd. 13-15.
- Radionics Ltd. 1-2-3-7-14-15.
- Radio Trade Supply Ltd. 1-2-3-4-5-6-7-8-10-12-13-14-15-16.
- Randall (Canada) Ltd., Douglas 1-(3)-(4)-(6)-(7)-(10)-(13)-(14)-(15).
- Ratray & Co., Geo., Div. of Hardwick, Bindle, Inc. 10-13-14-15.
- Rinco, Inc. 13-15.
- Robinson Co., C. M. 3-4-6-7-12-13-14-15.
- Rogers Electronic Tubes & Components 2-10.
- Ruhstrat, Gebr. 13-14-15.
- Servomechanisms (Canada) Ltd. 7.
- Shallex Mfg. Co. 3-14-15.
- Sheppard, R. D. B. 6-7-13.
- Slemens Edison Swan (Canada) Ltd. 14.
- Simmonds & Sons Ltd., A. C. (1)-(2)-(3)-(4)-(6)-(7)-(10)-(12)-(13)-(14)-(15).
- Smith Ltd., Irving 5-14-15.
- Spectrol Electronics Corp. 13.
- Sprague International Ltd. 1-3-7-14-15.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 2.
- States Co., The 16.
- Tatnall Measuring and Nuclear Systems 7-10.
- Tech Laboratories, Inc. 4-14.
- Tecneek Associates 13-14.
- Telequipment Mfg. Co. Ltd. 5.
- Tenatronics Ltd. 14.
- Texas Instruments Incorporated 1-2-3-7-8-10.
- Texas Instruments Incorporated, Semiconductor-Components Div. 1-2-3-7-9.
- Thompson Ltd., Chas. L. 1-6-12-13-14-15.
- Tilton Ltd., John R. 1-2-3-7-14-15.
- Tinsley Instruments (Canada) Ltd. 13-(15).
- Varah Ltd., L. A. 1-2-3-4-5-6-7-9-10-12-13-14-15.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1-2.
- Ward Leonard of Canada Ltd. (9)-(13)-(14)-(15).
- Ward Leonard Electric Co. 13-14.
- Waterloo Electronics Supply Co. Ltd. 1-2-4-5-6-12-13-14-15.
- Welwyn Canada Ltd. (1)-(2)-(3)-(7)-12-14-15.
- Welwyn Electrical Laboratories Ltd. 1-2-3-7-9-12-13-14-15.
- Western Agencies Ltd. 1-2-4-5-6-7-9-10-13-14-15.
- Whittaker, E. E. 1-2-3-6-10-13-14-15.
- Wholesale Radio & Electronics Ltd. 1-2-4-5-6-7-10-12-13-14-15.

### Rheostats

- Electronic ..... 1
- Slide Wire ..... 2
- Alpha Aracon Radio Co. Ltd. 2.
- Associated Electronic Components Ltd. 2.
- Bepco Canada Ltd. (1).
- Bradford Components, Inc. 1.
- Canadian Electrical Supply Co. Ltd. 1-2.
- Canadian Electronics Ltd. 1.
- Canadian Marconi Co., Electronic Tube & Components Div. 1-2.
- Canadian Research Institute (2).
- CERL-DALE, Limited (formerly Canadian Electric Resistors Ltd.) 1-2.
- Conway Electronic Enterprises Reg'd 1-2.
- Crawford Radio, The 1.

- DeJur-Amsco Corp., Electronic Sales Div. 2.
- Electro Sonic Supply Co. Ltd. 2.
- General Controls Co. (Canadian) Ltd. 1.
- General Radio Co. (Canadian Branch Office) (2).
- General Radio Co. 1-2.
- Hardwick Hindle Inc. 1-2.
- Herring & Co. Ltd., John 2.
- IRC Resistors, Div. of Renfrew Electric Co. Ltd. (2).
- Industrial Instruments, Inc. 2.
- Mallory & Co. Inc., P. R. 1.
- Meredith & Co. Ltd., C. C. (1).
- Muirhead Instruments Ltd. 2.
- Ohmite Mfg. Co. 1-2.
- Payette Radio Ltd. 1-2.
- Pfeiffer Electronic Laboratories 2.
- Pointon Ltd., Charles W. 2.
- Radio Trade Supply Ltd. 2.
- Randall (Canada) Ltd., Douglas 2.
- Rinco, Inc. 2.
- Robinson Co., C. M. 1.
- Simmonds & Sons Ltd., A. C. (2).
- Smith Ltd., Irving 1-2.
- Tech Laboratories, Inc. 2.
- Technology Instrument Corp. 1-2.
- Tecneek Associates 2.
- Thompson Ltd., Chas. L. 2.
- Varah Ltd., L. A. 1-2.
- Ward Leonard of Canada Ltd. (2).
- Waterloo Electronics Supply Co. Ltd. 1.
- Welwyn Canada Ltd. 1.
- Welwyn Electrical Laboratories Ltd. 2.
- Whittaker, E. E. 2.
- Wholesale Radio & Electronics Ltd. 1-2.

### Rivets

- Rivets ..... 1
- Airfilite Components Co. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Amatonic Electronic Hardware Co. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Deutsch Co., The 1.
- Harper Co., The H. M. 1.
- Harper Everlasting Fastenings Ltd. 1.
- Huck Mfg. Co. 1.
- Lomas, E. G. 1.
- Metal & Wood Fastening Devices Co. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- SIDO Ltd. (1).
- Southco Div., South Chester Corp. 1.
- United Shoe Machinery Co. of Canada Ltd. 1.
- Western Agencies Ltd. 1.
- Willard Spenser Co. 1.
- Y. W. Small Parts Ltd. (1).

### Rods, Tungsten

- Rods, Tungsten ..... 1
- Gully Company Ltd. 1.
- Murex Ltd., Powder Metallurgy Div. 1.
- Smyth Electronic Components Ltd. 1.

### Rooms, Screen

- Rooms, Screen ..... 1
- Addison Industries Ltd. (1).
- Ahearn and Soper Co. Ltd. 1.
- Aircraft Appliances & Equipment Ltd. 1.
- Astral Electric Co., Ltd. 1.
- Belling & Lee Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Emerson & Cuming, Inc. 1.
- Manis Associates Reg'd, Ben (1).
- Shielding, Inc. 1.
- Stark Electronic Sales Co. (1).
- Thompson Ltd., Chas. L. 1.

### Rotators

- Rotators ..... 1
- Alpha Aracon Radio Co. Ltd. 1.
- Antlab Inc. 1.
- Bern and Company Ltd., Lee 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Cornell-Dubilier Electric Corp. 1.
- Crawford Radio, The 1.
- Electro Sonic Supply Co. Ltd. 1.

- Finkler Ltd., Len 1.
- Found Bros. Aviation Ltd. (1).
- Gould Sales Co., E. S. 1.
- Hummel, William M. 1.
- Johnson Co., E. F. 1.
- Kitchener Electronic Industries Ltd. (1).
- Microwave Systems 1.
- Norrich Plastics Corp., Div. Norrich Screw Machine Products 1.
- Payette Radio Ltd. 1.
- Pointon Ltd., Charles W. 1.
- Radio Trade Supply Ltd. 1.
- Rutherford Agencies 1.
- Smyth Electronic Components Ltd. 1.
- Tenatronics Ltd. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.
- Wind Turbine Co. of Canada Ltd., The (1).

### Rubber

- Conductive ..... 1
- Hard ..... 2
- Natural ..... 3
- Synthetic ..... 4
- Armet Industries Ltd., Rubber & Plastics Div. (1).
- Dow Corning Silicones Ltd. (4).
- Du Pont of Canada Ltd. 4.
- Goodrich Canada Ltd., B. F. (1)-(2)-(3)-(4).
- Howard & Co. Ltd., M. J. 1.
- Lion Rubber & Plastics Ltd. (1)-(2)-(3)-(4).
- Magnachem Ltd. 3-4.
- Morningstar-Paisley, Inc. 4.
- Railway & Power Engineering Corp. Ltd. 3-4.
- Rousseau Controls Ltd. 4.
- Siemens Edison Swan (Canada) Ltd. 2.

### Scales, Oscilloscope

- Scales, Oscilloscope ..... 1
- Bayly Engineering Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- E.M.I. Electronics Ltd. 1.

### Scanners, Flying Spot

- Scanners, Flying Spot ..... 1
- Bepco Canada Ltd. (1).
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Conway Electronic Enterprises Reg'd 1.
- Decca Radar (Canada) Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. 1.
- E.M.I. Electronics Ltd. 1.
- Electroline Television Equipment Inc. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Radionics Ltd. 1.
- Rank Cintel Ltd. 1.
- Raytheon Canada Ltd. (1).
- Stark Electronic Sales Co. 1.

### Scramblers, Speech

- Scramblers, Speech ..... 1
- Canadian Marconi Co. 1.
- Lynch Carrier Systems Inc. 1.
- Measurement Engineering Ltd. (1).
- Philips Electronics Industries Ltd. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Telephone Mfg. Co. Ltd. 1.

### Screens, Television Projection

- Screens, Television Projection ..... 1
- Barvic Engineering Ltd. 1.
- Clark Ltd., Alex L. 1.
- E.M.I. Electronics Ltd. 1.
- Electroline Television Equipment Inc. 1.
- General Sound and Theatre Equipment Ltd. 1.

### Screws

- Self Locking ..... 1
- Self-Tapping ..... 2
- Set ..... 3

- Alpha Aracon Radio Co. Ltd. 1-2-3.
- Amatom Electronic Hardware Co. 3.
- Bern and Company Ltd., Lee 2-3.
- Bristol Co. of Canada Ltd., The 3.
- Canadian Electrical Supply Co. Ltd. 1-2-3.
- Electro Sonic Supply Co. Ltd. 2-3.
- French Sales Ltd., Phillip 3.
- Harper Co., The H. M. 3.
- Harper Everlasting Fastenings Ltd. 2-3.
- Kerr-Machin Associates 2-3.
- Linread Canada Ltd. (2)-(3).
- National Radio Co. Inc. 1.
- Pic Design Corp. 3.
- Polypenco, Inc. 1.
- Radio Trade Supply Ltd. 1-2-3.
- Railway & Power Engineering Corp. Ltd. 1-2-3.
- Shakeproof Fastex (Div. of Canada Illinois Tools Ltd.) (1)-(2).
- Shakeproof Div. of Illinois Tool Works 2.
- SIDO Ltd. (3).
- United-Carr Fastener Co. of Canada Ltd. (2).
- Varah Ltd., L. A. 1-2-3.
- Waldom Electronics Inc. 2-3.
- Waterloo Electronics Supply Co. Ltd. 2-3.
- Western Agencies Ltd. 1-2-3.
- Wholesale Radio & Electronics Ltd. 2-3.
- Willard Spenser Co. 1-2-3.

**Sealing Service, Hermetic**

**Sealing Service, Hermetic... 1**

- Aviation Electric Ltd. (1).
- Deutsch Co., The 1.
- Durakool, Inc. 1.
- Quality Hermetics Ltd. (1).
- Seallectric Switch & Relay Corp. 1.
- Westbury Electronics, Inc. 1.

**Seals**

|                        |   |
|------------------------|---|
| Carbon .....           | 1 |
| Ceramic to Metal ..... | 2 |
| Hermetic .....         | 3 |
| Metal to Glass .....   | 4 |
| Oil .....              | 5 |
| Switch .....           | 6 |

- A.P.M. Corp. (Automatic & Precision Mfg. Corp.) 3-6.
- Armet Industries Ltd., Rubber & Plastics Div. (3)-(5).
- Astral Electric Co., Ltd. 3-4.
- Belling & Lee Ltd. 4.
- Campbell & Co. Ltd., A. J. 5.
- Canadian Pittsburgh Industries Ltd. 4.
- Dage Electric Company, Inc. 3-4.
- Deutsch Company, The 3-4.
- Dixon Corp. 5.
- Durakool, Inc. 4.
- Electrical Industries, Div. of Phillips Electronics, Inc. 3-4.
- Electrodesign 3-4.
- Emerson & Cuming, Inc. 2-4.
- Garlock Packing Co. of Canada Ltd., The (5).
- Glendon Co. Ltd., The 4.
- Hysol (Canada) Ltd. (4).
- International Telephone & Telegraph Corp., Components Div. 3-4.
- Johnson Matthey & Mallory Ltd. (4).
- Kerr-Machin Associates 2.
- Kulka Electric Corp. 6.
- Lake Engineering Co. Ltd. 2-3-4.
- Mack Co. Ltd., R. 2.
- Quality Hermetics Ltd. (2)-(3)-(4).
- R & M Bearings Canada Ltd. 5.
- Radio Frequency Laboratories, Inc. 6.
- Solar Mfg. Corp. 2.
- Sonneborn Ltd. (4).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 3-4.
- Triad Transformer Corp. 2-3.
- United Insulator Div. of The Telegraph Condenser Co. Ltd. 2-3.
- Varah Ltd., L. A. 6.
- Watkins Co. Ltd., W. R. 5.
- Welwyn Electrical Laboratories Ltd. 3.

**Selective Calling Apparatus**

**Selective Calling Apparatus 1**

- Aeronautical Electronics, Inc. 1.
- Automatic Telephone & Electric Co. Ltd. 1.
- Autophone Ltd. 1.
- Aviation Electric Pacific Ltd. 1.
- Barvic Engineering Ltd. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. (1).
- Canadian Marconi Co. (1).
- Canadian Motorola Electronics Ltd. (1).
- Collins Radio Co. of Canada Ltd. (1).
- Diamond Power Specialty Corp., Electronics Div. 1.
- E.M.I. Electronics Ltd. 1.
- Electrolabs 1.
- Electroline Television Equipment Inc. 1.
- Hackbusch Electronics Ltd. 1.
- Industrial Development Engineering Associates, Inc. 1.
- International Business Machines Co. Ltd. (1).
- MacIvor Electronics Ltd. 1.
- Marconi's Wireless Telegraph Co. Ltd. 1.
- Multitone Electric Co. Ltd. 1.
- Pacific Communications Services Ltd. 1.
- Phillips Electronics Industries Ltd. 1.
- Redifon Ltd. 1.
- Siemens Edison Swan (Canada) Ltd. 1.
- Simpson Mfg. Co. Inc., Mark 1.
- Tele-Radio Systems Ltd. 1.
- Thompson Ltd., Chas. L. 1.
- Varah Ltd., L. A. 1.
- Westronic Engineering Sales (A Div. of L. A. Varah Ltd.) 1.
- Whiteley Electrical Radio Co. Ltd. 1.

**Shafts, Flexible**

**Shafts, Flexible ..... 1**

- Actuator Products Corp. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canavia Engineering & Sales Co. 1.
- Crawford Radio, The 1.
- Electronic Components Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1.
- Gray Ltd., H. Roy 1.
- Johnson Co., E. F. 1.
- Mack Co. Ltd., R. 1.
- MacQuarrie Sales, J. J. 1.
- Metal Textile Corp., A Div. of General Cable Corp. 1.
- Moore Bros. Machinery Co. Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Varah Ltd., L. A. 1.
- Wholesale Radio & Electronics Ltd. 1.

**Shapers, Television Signal**

**Shapers, Television Signal ... 1**

- Conway Electronic Enterprises Reg'd 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- Marconi's Wireless Telegraph Co. Ltd. 1.
- Sarkes Tarzian, Inc. 1.

**Sheets, Molybdenum**

**Sheets, Molybdenum ..... 1**

- Railway & Power Engineering Corp. Ltd. 1.

**Shielding**

|                       |   |
|-----------------------|---|
| Electrostatic .....   | 1 |
| Radio Ignition .....  | 2 |
| Sheet or Screen ..... | 3 |
| Wire .....            | 4 |

- Alpha Aracon Radio Co. Ltd. 4.
- Alpha Wire Corp. 4.
- Armet Industries Ltd., Rubber & Plastics Div. (1).
- Birnbach Radio Co., Inc. 2-4.
- Canada Wire and Cable Co. Ltd. (1).
- Consolidated Wire and Associated Cos. 4.
- Conway Electronic Enterprises Reg'd 1-2.
- Co-Operative Industries, Inc. 2.
- Gray Ltd., H. Roy 1-3.
- Magnetic Shield Div. — Perfection Mica Co. 1-3.

- Metal Textile Corp., A Div. of General Cable Corp. 2.
- Railway & Power Engineering Corp. Ltd. 2.
- Shamban & Co., W. S. 4.
- Smyth Electronic Components Ltd. 4.
- Varah Ltd., L. A. 4.
- Waterloo Electronics Supply Co. Ltd. 4.
- White Radio Ltd. 4.
- Wholesale Radio & Electronics Ltd. 2.
- Zippertubing Co., The 1-2-3-4.

**Shields, Tube**

**Shields, Tube ..... 1**

- Aharn and Soper Co. Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Cinch Manufacturing Co. 1.
- Collins Radio Co. of Canada Ltd. (1).
- Control, A Div. of Magnetics Inc. 1.
- Crawford Radio, The 1.
- Desser E-E Ltd. 1.
- Elco Corp. 1.
- Electromechanical Products 1.
- Electro Sonic Supply Co. Ltd. 1.
- Gray Ltd., H. Roy 1.
- Hackbusch Electronics Ltd. 1.
- Heenan Ltd., P. J. 1.
- International Electronic Research Corp. 1.
- Mack Co. Ltd., R. 1.
- MacQuarrie Sales, J. J. 1.
- Magnetic Shield Div. — Perfection Mica Co. 1.
- Magnetics Inc. 1.
- Metal Textile Corp., A Div. of General Cable Corp. 1.
- Methode Mfg. Canada Ltd. (1).
- Methode Mfg. Corp. 1.
- Payette Radio Ltd. 1.
- Pfeiffer Electronic Laboratories 1.
- Radio Trade Supply Ltd. 1.
- Staver Co., Inc., The 1.
- United-Carr Fastener Co. of Canada Ltd. (1).
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- White Radio Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.
- Zippertubing Co., The 1.

**Shifters**

|                         |   |
|-------------------------|---|
| Phase .....             | 1 |
| Phase — Microwave ..... | 2 |

- Action Laboratories, Inc. 1.
- Aircon Inc. 2.
- Airtron Canada Ltd. (2).
- Atlas Instrument Corp. Ltd. 2.
- Bayly Engineering Ltd. 2.
- Collins Radio Co. of Canada Ltd. (2).
- Conway Electronic Enterprises Reg'd 1-2.
- DeMornay-Bonardi, Inc. 2.
- Douglas Microwave Co., Inc. 2.
- E.M.I.-Cossor Electronics Ltd. 1.
- ESC Corp. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Filer-Smith Machinery Co. Ltd. 1.
- Fraser Ltd., George M. 1.
- Hewlett-Packard Co. 2.
- Industrial Test Equipment Co. 1.
- Knopp Inc. 1.
- Lomas, E. G. 2.
- Microwave Systems 2.
- Mitchell Electronics, J. C. E. 2.
- Narda Microwave Corp., The 2.
- R-O-R Associates Ltd. 1-2.
- Railway & Power Engineering Corp. Ltd. 1.
- Reeves Instrument Corp. 1.
- Tecneek Associates 1.
- Theta Instrument Corp. 1.
- Waterloo Electronic Supply Co. Ltd. 1.

**Shunts, Meter**

**Shunts, Meter ..... 1**

- Aeromotive Engineering Products Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Associated Electronic Components Ltd. 1.
- Bach-Simpson Ltd. (1).
- Bristol Co. of Canada Ltd., The 1.

- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Research Institute (1).
- Conway Electronic Enterprises Reg'd 1.
- Crawford Radio, The 1.
- Daystrom, Ltd. (1).
- Desser E-E Ltd. 1.
- Electrodesign 1.
- Electro Sonic Supply Co. Ltd. 1.
- Ellis Industries, The J. W. 1.
- English Electric Co. Ltd., The 1.
- Finkler Ltd., Len 1.
- Fraser Ltd., George M. 1.
- Herring & Co. Ltd., John 1.
- Industrial Instruments, Inc. 1.
- MEL Sales Ltd. 1.
- Mechron Engineering Products Ltd. 1.
- Radio Trade Supply Ltd. 1.
- S.I.D.A.M. Ltd. 1.
- Shallcross Mfg. Co. 1.
- Simpson Electric Co. 1.
- Stark Electronic Sales Co. (1).
- Tecneek Associates 1.
- Thermovolt Industries Ltd. 1.
- Tinsley Instruments (Canada) Ltd. (1).
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

**Silicones**

|                         |   |
|-------------------------|---|
| Greases .....           | 1 |
| Oils .....              | 2 |
| Rubber .....            | 3 |
| Rubber Insulation ..... | 4 |

- Alpha Aracon Radio Co. Ltd 1.
- Armet Industries Ltd., Rubber & Plastics Div. (3)-(4).
- Bentley-Harris Mfg. Co. 4.
- Bern and Company Ltd., Lee 2.
- Borden Chemical Co. — Resinite Dept. 4.
- Connecticut Hard Rubber Co. 3-4.
- Continental-Diamond Fibre of Canada Ltd. (3)-(4).
- Deutsch Co., The 4.
- Dow Corning Silicones Ltd. (1)-(2)-(3)-(4).
- Edwards High Vacuum (Canada) Ltd. 1-2-3.
- Electro-Technical Products Div., Sun Chemical Corp. 4.
- Electro Sonic Supply Co. Ltd. 1.
- Garlock Packing Co. of Canada Ltd., The (3).
- Garlock Packing Co. 3.
- Gilchrist Ltd., Andrew 1-4.
- Howard & Co. Ltd., M. J. 1.
- Lion Rubber & Plastics Ltd. (3)-(4).
- Natvar Corp. 4.
- New Jersey Wood Finishing Co. 4.
- Radio Trade Supply Ltd. 1-2.
- Railway & Power Engineering Corp. Ltd. 3.
- Ruggles Co. Ltd., H. P. 1-4.
- Suflex Ltd. 4.
- Variflex Corp. 4.

**Silk Screen Processing**

**Silk Screen Processing ..... 1**

- Avionics Ltd. (1).
- Brady Co. of Canada Ltd., W. H. (1).
- Industrial & Institutional Communications Ltd. (1).
- Ingraham Canadian Clock Co. Ltd. (1).
- MacQuarrie Sales, J. J. 1.
- Okli & Willadsen Ltd. (1).
- Polytronics Co. (1).
- Precision Dials Ltd. (1).
- Precision Metal Products Co. 1.
- Spaulding Fibre of Canada Ltd. (1).
- Whittaker, E. E. 1.

**Simulators**

|              |   |
|--------------|---|
| Flight ..... | 1 |
| Radar .....  | 2 |

- Atlas Instrument Corp. Ltd. 2.
- Automatic Telephone & Electric Co. Ltd. 2.
- California Technical Industries Div. of Textron Inc. 1.
- Canadian Aviation Electronics Ltd. (1)-(2).
- Computing Devices of Canada Ltd. 1.
- Collins Radio Co. of Canada Ltd. (1).
- Curtiss Wright Corp. — Electronics Div. 1-2.
- Dymec, A Div. of Hewlett-Packard 2.

- E.M.I.-Cossor Electronics Ltd. (1)-(2).
- Electrodesign 1.
- Electromechanical Products 2.
- English Electric Co. Ltd., The 1.
- Feedback Controls, Inc. 1.
- Foster & Sons Ltd., Anthony 1.
- Guardian Electric Mfg. Co. 1.
- Kidde & Co. of Canada Ltd., Walter 2.
- Long Sault Woodcraft Ltd. (1).
- MEL Sales Ltd. 1-2.
- Marconi's Wireless Telegraph Co. Ltd. 2.
- Raytheon Canada Ltd. (2).
- Redifon Canada, A Div. of Redifusion Inc. 1-2.
- Redifon Ltd. 1-2.
- Servo Corp. of America 1-2.
- Sperry Gyroscope Co. of Canada Ltd. (2).
- Tele-Radio Systems Ltd. 1.

## Slides, Chassis

### Slides, Chassis ..... 1

- Alpha Aracon Radio Co. Ltd. 1.
- Bishop Sons & Co. Ltd. (1).
- Canavia Engineering & Sales Co. 1.
- Chassis-Trak Inc. 1.
- Dayrand Ltd. 1.
- Elder Electronics 1.
- Electrodesign 1.
- Electro Sonic Supply Co. Ltd. 1.
- General Communications Ltd. 1.
- Grant Pulley & Hardware Corp. 1.
- Hammond Mfg. Co. Ltd. (1).
- Measurement Engineering Ltd. (1).
- Payette Radio Ltd. 1.
- Radio Frequency Laboratories, Inc. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Thomas Co., K. M. (1).
- Whittaker, E. E. 1.

## Slip Ring Assemblies

### Slip Ring Assemblies ..... 1

- Aviation Electric Ltd. 1.
- Electromechanical Products 1.
- Engelhard Industries of Canada Ltd. 1.
- Fleet Manufacturing Ltd. (1).
- Found Bros. Aviation Ltd. (1).
- Gould Sales Co., E. S. 1.
- Iron Fireman Mfg. Co., Electronics Div. 1.
- Johnson Matthey & Mallory Ltd. (1).
- Microwave Systems 1.

## Sockets

- Crystal ..... 1
- Diode ..... 2
- Lamp ..... 3
- Miniature ..... 4
- Pilot Light ..... 5
- Printed Circuit ..... 6
- Relay ..... 7
- Sub-Miniature ..... 8
- Transistor ..... 9
- Tube ..... 10
- Wiring Plug ..... 11

- Accurate Electronics Corp. 1-2-3-5-6-10.
- Aeronautical Electric Co. 3-4-5.
- Ahearn and Soper Co. Ltd. 6-8-10.
- Allied Control Co., Inc. 7.
- Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-6-7-8-9-10-11.
- Amphenol Canada Ltd. (1)-(2)-(3)-(4)-(5)-(6)-(7)-(8)-(9)-(10).
- Associated Electronic Components Ltd. 6-7-10.
- Astral Electric Co., Ltd. 4-6-8-11.
- Barnes Development Co. 2-4-7-9-10.
- Barron, William T. 2-4-6-10.
- Bayly Engineering Ltd. 10.
- Belling & Lee Ltd. 6-8.
- Bern and Company Ltd., Lee 1-2-3-4-5-6-7-8-9-10-11.
- Birnbach Radio Co., Inc. 10.
- Brian Engineering Ltd. 7.
- Burgess, Norris 2.
- Burndy Canada Ltd. (7).
- Cambridge Thermionic of Canada, Ltd. (2)-(6).
- Canadian Electrical Supply Co. Ltd. 1-2-3-4-5-6-7-8-9-10-11.
- Canadian Electronics Ltd. 1-2-3-4-5-6-7-8-10.
- Canadian Marconi Co., Electronic Tube & Components Div. 1-10.

- Cinch Manufacturing Co. 1-2-4-6-7-8-9-10.
- Connector Corp. 4-6-10.
- Cords (Canada) Ltd. (4)-(5).
- Crawford Radio, The 13-5-9-10.
- A/S Danavox 4-8.
- Deskin Sales Co., A. 5.
- Desser E-E Ltd. 1-2.
- Deutsch Co., The 4-11.
- Drake Manufacturing Co. 3-4-5.
- Eagle Electric Mfg. Co. Inc. 3-4-5-11.
- Eitel-McCullough, Inc. 10.
- Elco Corp. 1-2-4-6-7-8-9-10.
- Electrolabs 3-5-11.
- Electronic Tube Corp. 10.
- Electro Sonic Supply Co. Ltd. 1-2-3-4-5-6-7-8-9-10-11.
- Etilin Co., Ltd., H. B. (3).
- Finkler Ltd., Len 1-2-4-9.
- Garlock Packing Co., The 8-10.
- General Cement Mfg. Co. — Div. of Textron Inc. 10.
- Glendon Co. Ltd., The 4-10.
- Gould Sales Co., E. S. 1.
- Gray Ltd., H. Roy 1-2-4-8-9-10.
- Grayhill, Inc. 2-4-9.
- Hackbusch Electronics Ltd. 1-2-3-4-5-9.
- Hart Mfg. Co., The 7.
- Heenan Ltd., P. J. 1-6-9-10.
- Hellermann (Canada) Ltd. (9).
- Herring & Co. Ltd., John 7.
- Howard & Co. Ltd., M. J. 6.
- Hummel, William M. 2-4-6-10-11.
- Industrial Electronic Hardware Mfg. Co. 1-2-3-4-5-6-7-8-9-10-11.
- Johnson Co., E. F. 1-3-5-10.
- Kulka Electric Corp. 3-4-5-11.
- Lab-Tronics, Inc. 11.
- Lake Engineering Co. Ltd. 2-3-5-9-11.
- Lomas, E. G. 1-2-3-4-5-6-7-8-9.
- Mack Co. Ltd., R. 1-9-10-11.
- MacQuarrie Sales, J. J. 6.
- Mechron Engineering Products Ltd. 10.
- Merritt Co., Ron 1.
- Methode Mfg. Canada Ltd. (1)-(2)-(4)-(6)-(8)-(9)-(10).
- Methode Mfg. Corp. 1-4-6-7-8-9-10-11.
- Mosley Electronics, Inc. 1-11.
- National Radio Co. Inc. 1-10.
- Okl & Willadsen Ltd. 4-6-8-9-10-11.
- Painton & Co. Ltd. 4-5-6-8-10-11.
- Payette Radio Ltd. 1-2-4-5-6-7-8-9-10.
- Pfeiffer Electronic Laboratories 1-2-3-4-5-6-7-8-9-10-11.
- Plessey Co. of Canada Ltd. (10).
- Radio Trade Supply Ltd. 1-2-3-4-5-6-7-8-9-10-11.
- Rogers Electronic Tubes & Components (2)-4-6-(9)-(10).
- Sheppard, R. D. B. 10.
- Siemens Edison Swan (Canada) Ltd. 10.
- Simmonds & Sons Ltd. (5)-(10).
- Stark Precision Devices (4)-(8)-(11).
- Sylvania Electric (Canada) Ltd. 1-8-9-10.
- Telex, Inc. 11.
- Tenatronics Ltd. 4-9-10.
- Thompson Ltd., Chas. L. 10.
- Tregaskiss Sales Co., William 10.
- United-Carr Fastener Co. of Canada Ltd. 1-(4)-(5)-(6)-7-8-(9)-(10)-11.
- Varah Ltd., L. A. 1-2-3-4-5-6-7-8-9-10-11.
- Verd-A-Ray Electric Products Ltd. 3-4-11.
- Waldom Electronics Inc. 1-2-6-9-10.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 10.
- Waterloo Electronics Supply Co. Ltd. 1-2-3-4-5-6-7-8-9-10-11.
- Western Agencies Ltd. 1-2-3-4-5-6-7-8-9-10-11.
- White Radio Ltd. 1-2-4-6-8-9-10.
- Whittaker, E. E. 3-4-5-6-7-8-10-11.
- Wholesale Radio & Electronics Ltd. 1-2-3-4-5-6-7-8-9-10.

## Solder

- Aluminum ..... 1
- Platinum ..... 2
- Silver ..... 3
- Solder ..... 4

- Alpha Aracon Radio Co. Ltd. 4.
- All-State Welding Alloys of Canada Ltd. (1)-(3)-(4).
- Bern and Company Ltd., Lee 1-4.
- Canada Metal Co., Ltd. The (1)-(4).
- Canadian Electrical Supply Co. Ltd. 1-4.
- Canadian Electronics Ltd. 4.
- Canadian Liquid Air Co. 3.

- Canavia Engineering & Sales Co. 4.
- Chemalloy Electronics Corp. 1-4.
- Crawford Radio, The 4.
- Electro Sonic Supply Co. Ltd. 1-4.
- Electrovert Ltd. 1-3-4.
- Engelhard Industries of Canada Ltd. (2)-(3).
- Hackbusch Electronics Ltd. 4.
- Handy & Harman of Canada Ltd. (3).
- Johnson Mfg. Co. Inc. 1-4.
- Johnson Matthey & Mallory Ltd. (2)-(3).
- Kester Solder Co. of Canada Ltd. (1)-(3)-(4).
- Moore Bros. Machinery Co. Ltd. 4.
- Northern Electric Co. Ltd. 4.
- Payette Radio Ltd. 1-4.
- Perdeck Solder Products Ltd. 4.
- Pointon Ltd., Charles W. 3-4.
- Radio Trade Supply Ltd. 3-4.
- Robinson Co., C. M. 4.
- Ungar Electric Tools, Inc. 4.
- Varah Ltd., L. A. 4.
- Waterloo Electronics Supply Co. Ltd. 4.
- Western Agencies Ltd. 1-4.
- Wholesale Radio & Electronics Ltd. 1-4.

## Solder Rings and Preforms

### Solder Rings and Preforms 1

- All-State Welding Alloys of Canada Ltd. (1).
- Canada Metal Co., Ltd., The (1).
- Canadian Liquid Air Co. 1.
- Consolidated Mining & Smelting Co. of Canada Ltd. (1).
- Engelhard Industries of Canada Ltd. (1).
- Handy & Harman of Canada Ltd. (1).
- Johnson Mfg. Co., Inc. 1.
- Johnson Matthey & Mallory Ltd. (1).
- Kester Solder Co. of Canada Ltd. (1).
- Pointon Ltd., Charles W. 1.
- Robinson Co., C. M. 1.
- Staver Co., Inc., The 1.

## Solenoids

### Solenoids ..... 1

- Adams Engineering Ltd. 1.
- Aeromotive Engineering Products Ltd. 1.
- Airfilte Components Co. 1.
- Allen-Bradley Canada Ltd. (1).
- Alpha Aracon Radio Co. Ltd. 1.
- Associated Electronic Components Ltd. 1.
- Automatic Switch Co. 1.
- Aviation Electric Ltd. (1).
- Bendix Aviation Corp., Bendix-Pacific Div. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Carriere and MacPeeters Ltd. (1).
- Conway Electronic Enterprises Reg'd 1.
- Crawford Radio, The 1.
- Curtiss Wright Corp. — Electronics Div. 1.
- Davis Automatic Controls Ltd. 1.
- Delta Aircraft Equipment Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Frost (Canada) Ltd., L. H. (1).
- Garrett Mfg. Corp. of Canada, Ltd., The (1).
- Guardian Electric Mfg. Co. 1.
- Hammond Mfg. Co. Ltd. (1).
- Herring & Co. Ltd., John 1.
- Higginson Equipment Sales Ltd. 1.
- Howard & Co. Ltd., M. J. 1.
- Lomas, E. G. 1.
- Measurement Engineering Ltd. 1.
- Payette Radio Ltd. 1.
- Phillips Control Corp. 1.
- Pickering and Company, Inc. 1.
- Pitt Distributing Co. Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Randall (Canada) Ltd., Douglas (1).
- Raypar, Inc. 1.
- Simmonds & Sons Ltd., A. C. (1).
- Tecneek Associates 1.
- Telex, Inc. 1.
- United Aircraft Products, Inc. 1.
- Vickers Inc., Electric Products Div. 1.

- Waterloo Electronics Supply Co. Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Solvents

### Solvents ..... 1

- Alpha Aracon Radio Co. Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Borden Chemical Co., A Div. of The Borden Co. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Crawford Radio, The 1.
- Du Pont of Canada Ltd. 1.
- Electrolabs 1.
- Electro Sonic Supply Co. Ltd. 1.
- Emerson & Cuming, Inc. 1.
- Fisher Scientific Co. Ltd. (1).
- General Cement Mfg. Co. — Div. of Textron Inc. 1.
- Howard & Co. Ltd., M. J. 1.
- Kester Solder Co. of Canada Ltd. (1).
- Payette Radio Ltd. 1.
- Pointon Ltd., Charles W. 1.
- Radio Trade Supply Ltd. 1.
- Varah Ltd., L. A. 1.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Sonar

### Sonar ..... 1

- Atlantic Research Corp. 1.
- Aviation Electric Ltd. 1.
- Bendix Aviation Corp., Bendix-Pacific Div. 1.
- Canadian Fairbanks-Morse Co. Ltd. (1).
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Canadian Marconi Co. 1.
- Control Electronics Co., Inc. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- Harris Transducer Corp., Sub. of General Instrument Corp. 1.
- RCA Victor Co. Ltd. 1.
- Raytheon Canada Ltd. (1).
- Sangamo Electric Co. 1.
- Solar Mfg. Corp. 1.
- Sparton of Canada Ltd. (1).
- Texas Instruments Incorporated 1.
- Titania Electric Corp. of Canada Ltd. 1.
- Transonic Ltd. (1).

## Sound Systems, Complete

### Sound Systems, Complete ..... 1

- Alpha Aracon Radio Co. Ltd. 1.
- Altec Lansing Corp. 1.
- Ampex American Corp. (1).
- Audio-Vox Intercom Inc. (1).
- Autophone Ltd. 1.
- Barvic Engineering Ltd. (1).
- Bern and Company Ltd., Lee 1.
- Bogen-Presto Co. 1.
- Caldwell A/V Equipment Co. Ltd. 1.
- Calhone Corp. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Marconi Co. 1.
- D & B Sound and Signals Inc. 1.
- Dayrand Ltd. (1).
- E.M.I.-Cossor Electronics Ltd. (1).
- E.M.I. Electronics Ltd. 1.
- Electrolabs 1.
- Electro Sonic Supply Co. Ltd. 1.
- Electro-Vox Inc. (1).
- Engineered Sound Systems Ltd. (1).
- Geertz & Holm Canada Ltd. 1.
- General Sound & Theatre Equipment Ltd. 1.
- Hackbusch Electronics Ltd. 1.
- Hartley Products Co. 1.
- Industrial & Institutional Communications Ltd. 1.
- Instantaneous Recording Service (Div. of E. J. Piggott Enterprises, Ltd.) 1.
- Jensen Speakers, Div. of Renfrew Electric Co. Ltd. (1).
- Kahnert Sales Ltd., R. C. 1.
- Lustraphone Ltd. 1.
- Marconi's Wireless Telegraph Co. Ltd. 1.
- Measurement Engineering Ltd. 1.



- Merritt Co., Ron 1.
- National Sound Services Ltd. (1).
- Payette Radio Ltd. 1.
- Peffer Sound Systems Ltd. (1).
- Prince and Roberts 1.
- Pye Canada Ltd., Transmission Div. 1.
- RCA Victor Co. Ltd. (1).
- Radio Trade Supply Ltd. 1.
- Rauland-Borg Corp. 1.
- Rek-O-Kut Co. 1.
- Siemens Edison Swan (Canada) Ltd. 1.
- Simpson Mfg. Co. Inc., Mark 1.
- Smyth Electronic Components Ltd. 1.
- Standard Electric Time Co. of Canada Ltd. (1).
- T.M.C. (Canada) Ltd. (1).
- Telecom Ltd. 1.
- Tilton Ltd., John R. 1.
- Western Agencies Ltd. 1.
- Whiteley Electrical Radio Co. Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Speakers

|                         |   |
|-------------------------|---|
| Crystal                 | 1 |
| Dual Cone               | 2 |
| Electrodynamic          | 3 |
| Electrostatic           | 4 |
| Flame & Explosion-Proof | 5 |
| Marine Speaker Systems  | 6 |
| PM Dynamic              | 7 |

- Acoustical Manufacturing Co. Ltd. (4).
- Active Radio & TV Ltd. 2-4-7.
- Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-7.
- Altec Lansing Corp. 2-3-4-5-6-7.
- Armstrong Ltd., A. T. R. (7).
- Associated Electrical Industries (Canada) Ltd. (2)-(3).
- Associated Electronic Components Ltd. 2-6-7.
- Astral Electric Co. Ltd. 2-5-6-7.
- Atlas Radio Corp. Ltd. 2-5.
- Atlas Sound Corp. 5-6.
- Barvic Engineering Ltd. 1-2-3-5-(6)-7.
- Bern and Company Ltd., Lee 2-7.
- Burgess, Norris 2-3-7.
- Canadian Electrical Supply Co. Ltd. 2-3-4-5-6-7.
- Canadian Electronics Ltd. 2-3-4-6-7.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 5.
- Canadian General Electric Co. Ltd., Electronic Tube Section (Radiovalve Co. Ltd.) 2-7.
- Canadian Marconi Co. 6.
- Clark Ltd., Alex L. 7.
- Crawford Radio, The 2-7.
- D & B Sound and Signals Inc. 6-7.
- Daveco Agencies Ltd. 2-4-7.
- Daystrom, Ltd. 2-7.
- Desser E-E Ltd. 7.
- E.M.I.-Cossor Electronics Ltd. 2-3-7.
- Electro Sonic Supply Co. Ltd. 1-2-3-4-5-6-7.
- Engineered Sound Systems Ltd. 1-2-3-4-5-6-7.
- Finkler Ltd., Len 7.
- Geerz & Holm Canada Ltd. 4-6-7.
- General Sound & Theatre Equipment Ltd. 2-3-5-6-7.
- Goodmans Industries Ltd. 2-7.
- Gould Sales Co., E. S. 4-7.
- Hackbusch Electronics Ltd. 3-6-7.
- Hartley Products Co. 7.
- Jensen Speakers, Div. of Renfrew Electric Co. Ltd. (2)-(5)-(6)-(7).
- Kahnert Sales Ltd., R. C. 7.
- MacIvor Electronics Ltd. 2-3-5-6-7.
- Mack Co. Ltd., R. 4-7.
- Marconi's Wireless Telegraph Co. Ltd. 2-6.
- Marsland Engineering Ltd. (6)-(7).
- Merritt Co., Ron 2-4-7.
- Oxford Components, Div. Oxford Electric Corp. 2-7.
- Payette Radio Ltd. 2-3-4-5-6-7.
- Peffer Sound Systems Ltd. 7.
- Pickering and Company, Inc. 4.
- Pitt Distributing Co. Ltd. 2.
- Plessey Co. of Canada Ltd. (7).
- Pointon Ltd., Charles W. 2-4-6-7.
- Quam Nichols Co. 2-3-7.
- RCA Victor Co. Ltd. (2)-(7).
- Racon Electric Co. Inc. 2-3-5-6-7.
- Radio Speakers (Canada) Ltd. (2)-(3)-(7).

- Radio Trade Supply Ltd. 1-2-3-4-5-7.
- Redifon Ltd. 6.
- Rek-O-Kut Co. 2.
- Reproducers and Amplifiers Ltd. 2-7.
- Rogers Electronic Tubes & Components 2.
- Rola Celestion Ltd. 2-7.
- Simmonds & Sons Ltd., A. C. (2)-(7).
- Smyth Electronic Components Ltd. 3-4-7.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 4-7.
- Telex, Inc. 7.
- Tenatronics Ltd. 7.
- Thompson Ltd., Chas. L. 2-3-5-6-7.
- Tilton Ltd., John R. 2-3-5-6-7.
- University Loudspeakers, Inc. 5-6-7.
- Varah Ltd., L. A. 2-3-4-5-7.
- Vitavox Ltd. 2-3-6-7.
- Waterloo Electronics Supply Co. Ltd. 2-4.
- Western Agencies Ltd. 1-2-3-4-5-6-7.
- Wharfedale Wireless Works Ltd. 7.
- Whiteley Electrical Radio Co. Ltd. 3-4-5-6-7.
- White Radio Ltd. 7.
- Wholesale Radio & Electronics Ltd. 2-3-4-5-6-7.

## Spectrographs

|               |   |
|---------------|---|
| Spectrographs | 1 |
|---------------|---|

- Baird-Atomic, Inc. 1.
- Electrodesign 1.
- Electromechanical Products 1.
- Fisher Scientific Co. Ltd. 1.
- MEL Sales Ltd. 1.
- Mechron Engineering Products Ltd. 1.
- Phillips Electronics Industries Ltd. (1).
- Radionics Ltd. 1.
- Tecneek Associates 1.
- Tellurimeter Canada Ltd. 1.

## Spectrometers, Mass

|                     |   |
|---------------------|---|
| Spectrometers, Mass | 1 |
|---------------------|---|

- Atlas-Werke AG. 1.
- Beckman Instruments Inc. (1).
- Biddle Co., James G. 1.
- Computing Devices of Canada Ltd. 1.
- E.M.I. Electronics Ltd. 1.
- Edwards High Vacuum (Canada) Ltd. 1.
- Electrodesign 1.
- Measurement Engineering Ltd. (1).
- Southwestern Industrial Electronics Co. 1.

## Spectrophotometers

|                    |   |
|--------------------|---|
| Spectrophotometers | 1 |
|--------------------|---|

- Baird-Atomic, Inc. 1.
- Beckman Instruments Inc. (1).
- Biddle Co., James G. 1.
- Canadian Research Institute 1.
- Electrodesign 1.
- Ellis Industries, The J. W. 1.
- Evans Electroselectrum Ltd. 1.
- Fisher Scientific Co. Ltd. 1.
- Glendon Instrument Co. Ltd., The 1.

## Splicers, For Magnetic Recording Tape

|                                       |   |
|---------------------------------------|---|
| Splicers, For Magnetic Recording Tape | 1 |
|---------------------------------------|---|

- Alpha Aracon Radio Co. Ltd. 1.
- Ampex American Corp. (1).
- Barvic Engineering Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Clark Ltd., Alex L. 1.
- Collins Radio Co. of Canada Ltd. 1.
- Crawford Radio, The 1.
- Daystrom, Ltd. 1.
- Deskint Sales Co., A. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Engineered Sound Systems Ltd. 1.
- Finkler Ltd., Len 1.
- General Sound & Theatre Equipment Ltd. 1.
- Gould Sales Co., E. S. 1.
- Mack Co. Ltd., R. 1.
- Pointon Ltd., Charles W. 1.
- Radio Trade Supply Ltd. 1.
- Robins Industries Corp. 1.

- Sonar Radio Corp. 1.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Springs

|         |   |
|---------|---|
| Springs | 1 |
|---------|---|

- Accurate Spring Mfg. Co. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Crucible Steel Co. of America 1.
- Electro Sonic Supply Co. Ltd. 1.
- Glendon Co. Ltd., The 1.
- Kerr-Machin Associates 1.
- Mid West Spring Mfg. Co. 1.
- Radio Trade Supply Ltd. 1.
- Smith Co. Ltd., W. M. 1.
- Tinnerman Products, Inc. 1.
- Western Agencies Ltd. 1.

## Stamps, Marking

|                 |   |
|-----------------|---|
| Stamps, Marking | 1 |
|-----------------|---|

- International Business Machines Co. Ltd. (1).
- Oki & Willadsen Ltd. (1).

## Standards

|                      |   |
|----------------------|---|
| Capacitance          | 1 |
| Frequency            | 2 |
| Frequency, Microwave | 3 |
| Inductance           | 4 |
| Laboratory Time      | 5 |
| Resistance           | 6 |

- Ahearn and Soper Co. Ltd. 1-2-4-6.
- Aircon Inc. 3.
- Airmec Ltd. 2.
- American Time Products, Inc. 2-5.
- Amphenol-Borg Electronics Corp., Borg Equipment Div. 2-5.
- Associated Electronic Components Ltd. 1.
- Boonton Radio Corp. 4.
- Bulova Watch Co., Electronics Div. 2-5.
- Cambridge Instrument Co., Ltd. 6.
- Canadian Marconi Co. 2-5.
- Canadian Research Institute (1)-(6).
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6.
- Douglas Microwave Co., Inc. 3.
- Electrodesign 2-6.
- Electro Sonic Supply Co. Ltd. 1-2-6.
- Ellis Industries, The J. W. 1-2-4-5-6.
- Erie Resistor Corp. 2.
- Finkler Ltd., Len 1.
- Frequency Standards 3.
- General Radio Co. (Canadian Branch Office) (1)-(2)-(4)-(6).
- General Radio Co. 1-2-4-5.
- Hermes Electronics Co. (New name for Hycon-Eastern Inc.) 2.
- Herring & Co. Ltd., John 6.
- Hewlett-Packard Co. 2.
- Industrial Instruments, Inc. 1-6.
- Industrial Test Equipment Co. 2.
- Instronics Ltd. 2-3-5.
- Lomas, E. G. 2-5.
- MEL Sales Ltd. 1.
- Manson Laboratories, Inc. 2-3.
- Marconi's Wireless Telegraph Co. Ltd. 2.
- Muirhead & Co. Ltd. 1-2.
- National Radio Co. Inc. 2.
- Nichols Ltd., R. H. 4-6.
- Norrman Laboratories, Ernst 2-5.
- Polytechnic Research & Development Co., Inc. 3.
- Polytronics Co. (6).
- Pye & Co. Ltd., W. G. 6.
- R-O-R Associates Ltd. 2-5.
- Radionics Ltd. 2-3-6.
- Schomandl KG 2-3.
- Smyth Electronic Components Ltd. 1-2-3-4-5.
- Snelgrove Co. Ltd., C. R. (2).
- Telegraph Condenser Co. Ltd., The 1.
- Tinsley Instruments (Canada) Ltd. (1)-(2)-(4)-(5)-(6).
- Texas Instruments Incorporated 2.
- Whittaker, E. E. 6.
- Wholesale Radio & Electronics Ltd. 1-4-6.

## Standards Equipment, Calibration

|                                  |   |
|----------------------------------|---|
| Standards Equipment, Calibration | 1 |
|----------------------------------|---|

- Airborne Instruments Lab., A Div. of Cutler-Hammer, Inc. 1.
- ARVA Inc. (1).
- Atlas Instrument Corp. Ltd. 1.
- Audio Instrument Co., Inc. 1.
- Bayly Engineering Ltd. (1).
- Canadian Research Institute (1).
- Conway Electronic Enterprises Reg'd 1.
- Crawford Associates, Allan 1.
- Daystrom, Ltd. 1.
- Edwards High Vacuum (Canada) Ltd. (1).
- Electrodesign 1.
- Electro Instruments, Inc. 1.
- Electromechanical Products 1.
- General Radio Co. (Canadian Branch Office) (1).
- General Radio Co. 1.
- Glendon Instrument Co. Ltd., The 1.
- Hewlett-Packard Co. 1.
- Instronics Ltd. 1.
- Instrument Laboratories 1.
- MEL Sales Ltd. 1.
- Measurement Engineering Ltd. 1.
- Nichols Ltd., R. H. 1.
- Non-Linear Systems Inc. 1.
- Polarad Electronics Corp. 1.
- R-O-R Associates Ltd. 1.
- Radio Frequency Laboratories, Inc. 1.
- Radionics Ltd. 1.
- Schomandl KG 1.
- Simmonds Accessories of Canada Ltd. (1).
- Simpson Electric Co. 1.
- States Co., The 1.
- Theta Instrument Corp. 1.
- Tinsley Instruments (Canada) Ltd. (1).

## Stands

|            |   |
|------------|---|
| Microphone | 1 |
| Speaker    | 2 |

- Atlas Radio Corp. Ltd. 1-2.
- Atlas Sound Corp. 1-2.
- Barvic Engineering Ltd. 1-2.
- Belanger, Omer 1-2.
- A/S Bruel & Kjaer 1.
- Canadian Astatic Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1-2.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Canadian Marconi Co., Electronic Tube & Components Div. 1.
- Collins Radio Co. of Canada Ltd. 1.
- Crawford Radio, The 1.
- D & B Sound and Signals Inc. 1.
- Daveco Agencies Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Engineered Sound Systems Ltd. 1-2.
- General Sound & Theatre Equipment Ltd. 1-2.
- Hackbusch Electronics Ltd. 1-2.
- Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 1-2.
- MacIvor Electronics Ltd. 1.
- Mack Co. Ltd., R. 1.
- National Sound Services Ltd. (1)-(2).
- Payette Radio Ltd. 1-2.
- Peffer Sound Systems Ltd. 1-2.
- Pye Canada Ltd., Transmission Div. 1.
- RCA Victor Co. Ltd. (1).
- Racon Electric Co. Inc. 1-2.
- Radio Trade Supply Ltd. 1-2.
- Smyth Electronic Components Ltd. 1.
- Thompson Ltd., Chas. L. 1.
- Tilton Ltd., John R. 1.
- Varah Ltd., L. A. 1-2.
- Vitavox Ltd. 1.
- Waterloo Electronics Supply Co. Ltd. 1-2.
- Western Agencies Ltd. 1-2.
- Wholesale Radio & Electronics Ltd. 1-2.

## Stethoscopes

|              |   |
|--------------|---|
| Stethoscopes | 1 |
|--------------|---|

- Conway Electronic Enterprises Reg'd 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- Electromechanical Products 1.
- Sanborn Co. 1.

## Stools and Benches For Work Assembly

### Stools & Benches For Work Assembly ..... 1

- Hope Machinery Co. 1.
- MacQuarrie Sales, J. J. (1).
- Moore Bros. Machinery Co. Ltd. 1.
- Muirhead Instruments Ltd. (1).

## Straighteners, Pin-Tube

### Straighteners, Pin-Tube ..... 1

- Alpha Aracon Radio Co. Ltd. 1.
- Astral Electric Co., Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Crawford Radio, The 1.
- Electro Sonic Supply Co. Ltd. 1.
- Finkler Ltd., Len 1.
- General Cement Mfg. Co. — Div. of Textron Inc. 1.
- Gould Sales Co., E. S. 1.
- Mack Co. Ltd., R. 1.
- Payette Radio Ltd. 1.
- Pointon Ltd., Charles W. 1.
- Radio Trade Supply Ltd. 1.
- Star Precision Devices (1).
- Varah Ltd., L. A. 1.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Strain Reliefs

### Strain Reliefs ..... 1

- Alpha Aracon Radio Co. Ltd. 1.
- Andersen & Co. Ltd., A. A. 1.
- Bern and Company Ltd., Lee 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Centralab Div. of Globe Union Inc. 1.
- Continental-Diamond Fibre of Canada Ltd. (1).
- Cords (Canada) Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Shakeproof Fastex (Div. of Canada Illinois Tools Ltd.) (1).
- Smyth Electronic Components Ltd. 1.
- Spaulding Fibre of Canada Ltd. (1).
- Tinnerman Products, Inc. 1.

## Strip Transmission Lines, Microwave

### Strip Transmission Lines, Microwave ..... 1

- Airtron Canada Ltd. (1).
- Airtron Inc., A Div. of Litton Industries 1.
- Avionics Ltd. (1).
- Collins Radio Co. of Canada Ltd. 1.
- Dayrand Ltd. 1.
- FXR Inc. 1.
- MEL Sales Ltd. 1.
- Microwave Systems 1.
- Mitchell Electronics, J. C. E. 1.
- Radionics Ltd. 1.
- Sinclair Radio Labs. Ltd. (1).
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.

## Strips

### Grounding ..... 1 Mounting ..... 2

- Accurate Electronics Corp. 1-2.
- Alpha Aracon Radio Co. Ltd. 1-2.
- Bulgin & Co. Ltd., A. F. 2.
- Canadian Electrical Supply Co. Ltd. 2.
- Canadian Electronics Ltd. 1.
- Continental-Diamond Fibre of Canada Ltd. (2).
- Electro Sonic Supply Co. Ltd. 1-2.
- Erie Resistor Corp. 2.
- Kulka Electric Corp. 1-2.
- Litton Industries, U.S. Engineering Co. Div. 2.
- Payette Radio Ltd. 1.
- Radio Trade Supply Ltd. 1-2.
- United-Carr Fastener Co. of Canada Ltd. (2).

## Stroboscope-Synchronizer

### Stroboscope-Synchronizer ..... 1

- Conway Electronic Enterprises Reg'd 1.
- E.M.I. Electronics Ltd. 1.
- Ellis Industries, The J. W. 1.

## Stroboscopes

### Stroboscopes ..... 1

- Associated Electronic Components Ltd. 1.
- Bepec Canada Ltd. (1).
- CBC Electronics Co., Inc. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Dawe Instruments Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- E.M.I. Electronics Ltd. 1.
- Electrodesign 1.
- Ellis Industries, The J. W. 1.
- General Cement Mfg. Co. — Div. of Textron Inc. 1.
- General Radio Co. (Canadian Branch Office) (1).
- General Radio Co. 1.
- MEL Sales Ltd. 1.
- Measurement Engineering Ltd. 1.
- Mechtron Engineering Products Ltd. 1.
- Nichols Ltd., R. H. 1.
- Phillips Electronics Industries Ltd. (1).
- S.I.D.A.M. Ltd. 1.
- Tecneek Associates 1.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1.
- Western Agencies Ltd. 1.

## Suppressors

### Suppressors ..... 1 Noise ..... 2

- Aerovox Canada Ltd. (1)-(2).
- Alpha Aracon Radio Co. Ltd. 1-2.
- Associated Electronic Components Ltd. 1-2.
- Astral Electric Co., Ltd. 1-2.
- Belling & Lee Ltd. 1.
- Bern and Company Ltd., Lee 1-2.
- Birnbach Radio Co., Inc. 1.
- Burgess, Norris 2.
- Canadian Electrical Supply Co. Ltd. 1-2.
- Canadian Electronics Ltd. 1-2.
- Cornell-Dubilier Electric Corp. 1-2.
- Electro Sonic Supply Co. Ltd. 1-2.
- Erie Resistor Corp. 1.
- General Cement Mfg. Co. — Div. of Textron Inc. 2.
- Lake Engineering Co. Ltd. 1.
- Payette Radio Ltd. 1-2.
- Pfeiffer Electronic Laboratories 1.
- Pointon Ltd., Charles W. 2.
- Radio Trade Supply Ltd. 1-2.
- Sprague International Ltd. 1-2.
- Telegraph Condenser Co. Ltd., The 1-2.
- Varah Ltd., L. A. 1-2.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 2.
- Waterloo Electronics Supply Co. Ltd. 1-2.
- Western Agencies Ltd. 1-2.
- Wholesale Radio & Electronics Ltd. 1-2.

## Switches

- Air Pressure ..... 1
- Automatic ..... 2
- Automatic Transfer ..... 3
- Coaxial Cable ..... 4
- Control ..... 4
- Crossbar ..... 5
- Decade ..... 7
- Duplex ..... 8
- Electronic ..... 9
- Float Type ..... 10
- Foot ..... 11
- Hermetically Sealed ..... 12
- Key ..... 13
- Knife ..... 14
- Limit ..... 15
- Microwave ..... 16
- Miniature ..... 17
- Pressure ..... 18
- Printed Circuit ..... 19
- Pushbutton ..... 20
- Remote Control ..... 21
- Rotary & Band Change ..... 22
- Safety ..... 23
- Slide ..... 24
- Snap Action ..... 25

- Step Type ..... 26
- Sub-Miniature ..... 27
- Tap ..... 28
- Telemetering ..... 29
- Thermal ..... 30
- Time ..... 31
- Toggle ..... 32
- Transformer ..... 33
- Vacuum ..... 34

- AEMCO, Inc. 31.
- Acton Laboratories, Inc. 22.
- Adams Engineering Ltd. 5-12-17-22-26-27-28-32.
- Aeromotive Engineering Products Ltd. 1-8-9-10-12-15-17-18-20-22-25-27-30-32.
- Ahearn and Soper Co. Ltd. 15-17.
- Alcom Inc. 16.
- Airflite Components Co. 11-12-13-15-25-26-31-32.
- Airmec Ltd. 31.
- Airpac Electronics Inc. 9 12.
- Airtron Canada Ltd. (8)-(16).
- Airtron Inc., A Div. of Litton Industries 8-16.
- Alford Manufacturing Co. 4.
- Allen-Bradley Canada Ltd. (3)-(10)-(11)-(15)-(18).
- Allied Control Company, Inc. 20-27-32-34.
- Alpha Aracon Radio Co. Ltd. 2-4-5-7-8-9-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34.
- Amalgamated Electric Corp. Ltd. (5)-(10)-(13)-(14)-(15)-(17)-(20)-(23)-(25)-(26)-(27)-(32).
- Amphel Canada Ltd. (4)-(22)-(28).
- Amphel-Borg Electronics Corp., Industrial Products — Danbury Knudsen Div. 4-12.
- Amplivox (Canada) Ltd. (17)-(27).
- Andrew Antenna Corp. Ltd. 4.
- Arcoelectric (Switches) Ltd. 17-19-20-24-25-32.
- Arrow-Hart & Hegeman (Canada) Ltd. (9)-(12)-(15)-(20)-(24)-(25)-(32).
- Arrow-Hart & Hegeman Electric Co. 5-10-11-15-17-20-21-22-23-24-25-26-28-32.
- ARVA Inc. (34).
- Associated Electrical Industries (Canada) Ltd. (1)-(9)-(15).
- Associated Electronic Components Ltd. 5-7-13-17-20-22-27-30-32.
- Astral Electric Co., Ltd. 30-31.
- Atlas Radio Corp. Ltd. 9-13-14-18-20-22-23-24-25-26-27-28-32.
- Automatic Electric (Canada) Ltd. (13)-(20)-(26).
- Automatic Electric Sales (Canada) Ltd. 13-20-26-31.
- Automatic Electric International, Inc. 13-20-26.
- Automatic Switch Co. 2-3-5-16-21.
- Automatic Telephone & Electric Co. Ltd. 2-6-13-20.
- Autophone Ltd. 13-20.
- Aviation Electric Ltd. 1-12-15-17-18-20-23-34.
- Aviation Electric Pacific Ltd. 1-15.
- Avionics Ltd. (19).
- Avilupo of Canada Ltd. 1-18.
- Barry Electric Ltd. 11-15-17-20-23-25.
- Barvic Engineering Ltd. (2)-4-9-31-32.
- Belling & Lee Ltd. 30.
- Bendix Aviation Corp., Bendix-Pacific Div. 29.
- Bern and Company Ltd., Lee 11-13-14-15-17-20-22-24-25-27-28-32.
- Best Co., John 9-18-31.
- Birnbach Radio Co., Inc. 14-17-20-22-24-32.
- Bohne Industries Ltd. (33).
- Boyd Ltd., Winnett 1-10-34.
- Brian Engineering Ltd. 1-5-15-17-18-20-25-27-32-34.
- Buckland Co., Robert J. 4-9.
- Bulgin & Co. Ltd., A. F. 13-20-22-24-25-32.
- Burlec Sales Ltd. 2-5-13-20-28-31.
- Burroughs Corp. — Electronic Tube Div. 9.
- Canadian Applied Research Ltd. (2)-(9)-(18).
- Canadian Electrical Supply Co. Ltd. 2-4-5-8-9-12-13-14-17-18-20-22-23-24-25-27-28-31.
- Canadian Electronics Ltd. 4-11-12-13-14-15-17-20-24-25-27-32.
- Canadian Marconi Co., Electronic Tube & Components Div. 17-22.
- Canadian Research Institute (30)-(31).
- Canadian Stackpole Ltd. (24)-(25).

- Centralab Canada Ltd. (17)-(19)-(22)-(24)-(27).
- Centralab Div. of Globe Union Inc. 17-19-20-22-24-27.
- Central Electronic Manufacturers 9-16-34.
- CERL-DALE, Limited (formerly Canadian Electric Resistors Ltd.) 28.
- Cherry Electrical Products Corp. 15-17-19-20-23-25-27.
- Clarostat Mfg. Co., Inc. 17-22-25.
- Cohen Ltd., William 24.
- Colvin Laboratories, Inc. 18-29.
- Consolidated Controls Corp. 1-15-18-30-34.
- Constellation Components Co. 2-5-7-12-13-15-17-20-23-25-26-27-30-32-34.
- Conway Electronic Enterprises Reg'd 4-7-9-16-29-33.
- Couch Ordnance Inc. 22.
- Crawford Radio, The 4-13-14-17-20-22-24-32.
- Curtiss Wright Corp. — Electronics Div. 30.
- D & B Sound and Signals Inc. 21-22-28.
- A/S Danavox 17-27.
- Davis Automatic Controls Ltd. 1-2-3-10-11-12-15-18-20-21-26-28-31.
- Dayrand Ltd. 3-4-6-16.
- Delta Aircraft Equipment Ltd. 1-4-6-8-10-12-16-17-18-21-22-30-31.
- Deskin Sales Co., A. 2-4-5-7-9-11-12-17-19-20-21-22-23-24-25-26-28-29-32-33.
- Dewhurst & Partner Ltd. 15-20.
- Digitran Co., A Div. of Endeveco Corp. 7-17-21.
- Dimco-Gray Co. 31.
- Dominion Electric Manufacturing Co. Ltd. (23)-31.
- Douglas Microwave Co., Inc. 16.
- Dow-Key Company, Inc. 4.
- E.C.C. Canada Ltd. 14-15.
- E-T-A Products of Canada Ltd. (30).
- Eagle Electric Mfg. Co. Inc. 8-14-25-32.
- Eagle Signal Co. 26-31.
- Eastern Specialty Co., The 22-28.
- Ebert Electronics Corp. 9-12-25-30-33.
- Edwards High Vacuum (Canada) Ltd. (34).
- Eitel-McCullough, Inc. 34.
- Electrocraft, Inc. 17-20-32.
- Electrodesign 4.
- Electrolabs 9-31.
- Electronic Components Ltd. (13)-(20)-(32).
- Electrosnap Corp. 5-12-15-17-18-20-21-22-23-25-27-32.
- Electro Sonic Supply Co. Ltd. 1-4-5-9-10-11-12-14-15-17-20-21-22-23-24-25-27-28-30-31-32.
- Electro Switch Corp. 5-9-17-21-22-25-27-28.
- Engineered Sound Systems Ltd. 13.
- English Electric Co. Ltd., The 5-14-20.
- Ericsson Telephone Sales of Canada Ltd. (2)-(6)-(13)-(26).
- Etlin Co. Ltd., H. B. (32).
- FXR Inc. 16.
- Farmer Electric Products Co. Inc. 15.
- Fasco Industries, Inc. 1-18-30.
- Fielden Electronics Ltd. 9-18.
- Finkler Ltd., Len 14-32.
- Fraser Ltd., George M. 2-9-13-17-21-22-25-27-28-33.
- Frost (Canada) Ltd., L. H. (25).
- G-C Electronics Mfg. Co., Div. of G-C Textron Inc. 25.
- G-V Controls Inc. 30.
- Garrett Mfg. Corp. of Canada, Ltd., The 10-18.
- General Cement Mfg. Co. — Div. of Textron Inc. 20-24-32.
- General Communication Co. 4-12.
- General Communications Ltd. 10-22.
- General Controls Co. (Canadian Ltd. 1-2-5-9-11-12-15-17-18-21-23-24-25-30-31-34).
- General Control Co. 5-9-11-13-15-20-32.
- General Radio Co. 7.
- Gorn Electronics Div. & Aircraft Controls Co. Div. 1-10-18.
- Grayhill, Inc. 5-7-17-19-20-22-25-27-28.
- Guardian Electric Mfg. Co. 5-9-22-24-25-26-27.
- Hackbusch Electronics Ltd. 2-3-9-13-20-21-29.
- Hamilton Watch Co. 31.
- Hart Mfg. Co., The 9-12-17-19-22-25-32.
- Haydon Co., The A. W. 2-3-9-21-26-29-31.

Haydon Switch, Inc.  
1-12-15-17-18-20-25-27-32.

Heenan Ltd., P. J.  
17-19-22-24-27.

Herring & Co. Ltd., John  
5-7-13-17-19-20-22-26-27-28-31-33.

Hetherington Inc. 17-20-25-27-32.

Honeywell Controls Ltd.  
(1)-(10)-(11)-(12)-(13)-(15)-(17)-(18)-(20)-(22)-(23)-(25)-(26)-(27)-(28)-(29)-(30)-(32)-(34).

Industrial Electronic Hardware Mfg. Co. 24.

Ingraham Canadian Clock Co. Ltd. (31).

Instronics Ltd. 4-16.

International Systoms Ltd. 6.

Jerrold Electronics (Canada) Ltd. (4).

Kahnert Sales Ltd., R. C. 13-17-20-22-27-32.

Kay Electric Co. 32.

Keith Mercer Co. Ltd. 10-18-29-34.

Kelvin & Hughes Ltd. 18.

Kidde & Co. of Canada Ltd., Walter (9).

Kulka Electric Corp. 9-32.

Lake Engineering Co. Ltd. 4-11-17-18-20-22-24-25-28-30-32.

Leonard Electric Ltd. 11-12-15-17-19-20-24-25-26-27-30-31-32.

Licon Switch & Control Div., Illinois Tool Works 12-15-17-20-25-27-32.

Liquidometer of Canada Ltd. (10).

Liquidometer Corp., The 10.

Lomas, E. G. 16.

Londex Ltd. 1-2-10-18-21-34.

MEL Sales Ltd. 4.

Mack Co. Ltd., R. 13-14-17-20-24-27-32.

MacQuarrie Sales, J. J. 11.

Mallory & Co. Inc., P. R. 2-5-7-8-9-12-14-15-17-18-19-20-22-23-24-25-27-28-31-32.

Marco Industries Co. 17-20-27.

Martin Engineering Inc. 1-10-18-31.

McQuay-Norris Mfg. Co. 18-34.

Measurement Engineering Ltd. (10)-(11).

Mercord Corp., The 1-5-12-15-18.

Meredith & Co. Ltd., C. C. (25)-(28).

Merritt Co., Ron 9.

Metals & Controls Div. of Texas Instruments Incorporated 12-15-17-18-22-25-27.

Microwave Associates, Inc. 16.

Microwave Systems 16.

Mitchell Electronics, J. C. E. 16.

Montgomery Mfg. Co. 31.

Mossman, Inc., Donald P. 13-20.

Muirhead Instruments Ltd. (7)-9-13.

Muirhead & Co. Ltd. 7-13-17-22.

Northern Electric Co. Ltd. 1-10-11-15-20-31.

Northern Radio Mfg. Co. Ltd. (9).

Ohmite Mfg. Co. 22-28.

Painton & Company Ltd. 20-22-26-32.

Payette Radio Ltd. 2-4-5-7-9-11-14-20-22-24-35-27-28-31-32.

Penta Laboratories, Inc. 34.

Peschel Electronics, Inc. 9.

Pfeiffer Electronic Laboratories 5-7-11-13-17-20-22-24-25-28-32-33.

Pitt Distributing Co. Ltd. 11-25-32.

Plessey Co. of Canada Ltd. (17)-(19)-(20)-(22).

Pointon Ltd., Charles W. 24-32.

Prince and Roberts 13-14-20-26-27.

Pye & Co. Ltd., W. G. 7.

Radiation, Inc. 9-29.

Radio Components, Inc. (7)-(9)-(13)-(17)-(19)-(20)-(21)-(22)-(24)-(25)-(26)-(27)-(28)-(29)-(32).

Radio Merchandise Sales, Inc. 14.

Radionics Ltd. 16-18-34.

Radio Trade Supply Ltd. 2-5-9-11-13-14-17-18-19-20-21-22-24-25-26-27-28.

Railway & Power Engineering Corp. Ltd. 1-2-5-11-18-34.

Rank Cintel Ltd. 9.

Rhodes, Inc., M. H. 21-31.

Rousseau Controls Ltd. 1-18-30-31-34.

Sanborn Co. 9.

Sargent Electric Corp., Div. of Pyramid Instrument 9-12-19-20-22-24-25-32.

Sealectric Switch & Relay Corp. 6-12-15-18-25.

Shakeproof Fastex (Div. of Canada Illinois Tools Ltd.) (12)-(15)-(17)-(25)-(27)-(32).

Shallcross Mfg. Co. 7-17-19-20-22-27.

• Showalter, R. J. 14-25.

• Siemens Edison Swan (Canada) Ltd. 1-2-7-9-13-20-26-30-34.

• Simmonds & Sons Ltd., A. C. (9)-(22)-(26)-(28)-(31).

• Sinclair Radio Labs. Ltd. (16).

• Smith & Stone Ltd. (20)-(25)-(32).

• Smyth Electronic Components Ltd. 4-7-16-22.

• Spectrol Electronics Corp. 19.

• Sperry Gyroscope Co. of Canada Ltd. (31).

• Stevens Mfg. Co. Inc. 30-31.

• Switchcraft, Inc. 13-17-20-22.

• T.M.C. (Canada) Ltd. (3)-4.

• Tasso Agencies, Emile 5.

• Taylor Instrument Cos. of Canada Ltd. 18.

• Tech Laboratories, Inc. 4-12-16-17-19-22-26-28.

• Tecneek Associates 11-15-22-26-28-32.

• Teledad Mfg. Corp. 16.

• Tele-Radio Systems Ltd. 2-5-9-21-23-29.

• Thermovot Instruments Ltd. 18-22.

• Tilton Ltd., John R. 5-7-9-13-17-20-24-25-32.

• Tinsley Instruments (Canada) Ltd. (7)-(28).

• Trad Electronics Corp. 4.

• Transco Products Inc. 16.

• Trimm, Inc. 4-13-20.

• United States Gauge Div., American Machine & Metals, Inc. 1-18-34.

• Valverde Laboratories 30.

• Varsh Ltd., L. A. 4-5-7-9-11-12-13-14-15-17-18-20-21-22-23-24-25-26-27-28-30-31-32.

• Vector Labs Inc. (9)-(26).

• Verd-A-Ray Electric Products Ltd. 8-13-14-17-20-22-32-33.

• Walsco Electronics Mfg. Co. — Div. of Textron Inc. 20-24-32.

• Waterloo Electronics Supply Co. Ltd. 11-14-15-20-24-25-28-32.

• Weltronic Co. 9.

• Western Agencies Ltd. 9-11-14-17-20-22-24-28-32.

• Whiteley Electrical Radio Co. Ltd. 14-22-24.

• Whittaker, E. E. 1-17-18-19-22-27-32.

• Wholesale Radio & Electronics Ltd. 4-5-9-11-12-13-14-15-17-18-20-21-23-24-25-26-27-28-31-32-33.

• Willard Spenser Co. 5-12-31.

• Wind Turbine Co. of Canada Ltd., The (6)-(22).

• Zenith Electric Co. 3-21-31.

**Synchros**

**Synchros** ..... 1

• Aeromotive Engineering Products Ltd. 1.

• Aviation Electric Ltd. 1.

• Aviation Electric Pacific Ltd. 1.

• Beckman Instruments Inc. (1).

• Beckman Instruments, Inc., Helipot Div. 1.

• Canadian Pratt and Whitney Aircraft Co. Ltd. 1.

• Carriere and MacPeeters Ltd. 1.

• Collins Radio Co. of Canada Ltd. 1.

• Constellation Components Co. 1.

• Daystrom, Ltd. 1.

• Delta Aircraft Equipment Ltd. 1.

• Helipot Div. of Beckman Instruments Inc. (1).

• Honeywell Controls Ltd. (1).

• Kelvin & Hughes Ltd. 1.

• Muirhead Instruments Ltd. (1).

• Muirhead & Co. Ltd. 1.

• Oster Mfg. Co., John — Avionic Div. 1.

• Reeves Instrument Corp. 1.

• Servomechanisms (Canada) Ltd. 1.

• Sperry Gyroscope Co. of Canada Ltd. 1.

• United States Gauge Div., American Machine & Metals, Inc. 1.

**Synchscopes**

**Synchscopes** ..... 1

• Aviation Electric Ltd. 1.

• Brown Boveri (Canada) Ltd. (1).

• Daystrom, Ltd. 1.

• E.M.I.-Cossor Electronics Ltd. 1.

• Electronline Television Equipment Inc. 1.

• English Electric Co. Ltd., The 1.

• Hewlett-Packard Co. 1.

• Kelvin & Hughes Ltd. 1.

• MEL Sales Ltd. 1.

• Nichols Ltd., R. H. 1.

Polarad Electronics Corp. 1.

Rank Cintel Ltd. 1.

Record Electrical Co. Ltd., The 1.

Trad Electronics Corp. 1.

Waterman Products Co., Inc. 1.

**System, Remote Control**  
**Systems, Remote Control** ..... 1

• Ahearn and Soper Co. Ltd. 1.

• Amalgamated Electric Corp. Ltd. (1).

• Automatic Electric (Canada) Ltd. (1).

• Automatic Electric Sales (Canada) Ltd. 1.

• Automatic Electric International, Inc. 1.

• Automatic Switch Co. 1.

• Automatic Telephone & Electric Co. Ltd. 1.

• Autotronics Control (1).

• Barber-Colman Co. 1.

• Barvic Engineering Ltd. (1).

• Beaconsing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (1).

• Bendix Aviation Corp., Bendix-Pacific Div. 1.

• Bepeco Canada Ltd. (1).

• Bliss Electronic Corp. 1.

• C. G. Electronics Corp. 1.

• Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.

• Centronix Inc. 1.

• Collins Radio Co. of Canada Ltd. (1).

• Computing Devices of Canada Ltd. 1.

• Constellation Components Co. 1.

• D & B Sound and Signals Inc. 1.

• Daystrom, Ltd. 1.

• Dewhurst & Partner Ltd. 1.

• Diamond Power Specialty Corp., Electronics Div. 1.

• Digitrax Co., A Div. of Endeavor Corp. 1.

• Domac Technical Sales Ltd. 1.

• E.M.I.-Cossor Electronics Ltd. (1).

• Electro Instruments, Inc. 1.

• Electronic Associates Ltd. (1).

• Electronic Materials International Ltd. (1).

• Electro Sonic Supply Co. Ltd. 1.

• Electro-Sonic Laboratories, Inc. 1.

• Ellis Industries, The J. W. 1.

• Evershed-Powertron Ltd. (1).

• Evershed and Vignoles Ltd. 1.

• Feedback Controls, Inc. 1.

• Fielden Electronics Ltd. 1.

• Fischer & Porter (Canada) Ltd. (1).

• General Controls Co. (Canadian) Ltd. 1.

• P. Gossen & Co. G.m.b.H. 1.

• Guardian Electric Mfg. Co. 1.

• Hastings-Raydist, Inc. 1.

• Hoover Electronics Co. 1.

• Industrial Electronic Engineers, Inc. 1.

• International Systems Ltd. (1).

• Kelvin & Hughes Ltd. 1.

• Klidde & Co. of Canada Ltd., Walter (1).

• Lynch Carrier Systems Inc. 1.

• Measurement Engineering Ltd. (1).

• Microwave Systems (1).

• Muirhead Instruments Ltd. (1).

• Nichols Ltd., R. H. (1).

• Northern Radio Mfg. Co. Ltd. (1).

• Pye & Co. Ltd., W. G. 1.

• Radionics Ltd. 1.

• Railway & Power Engineering Corp. Ltd. 1.

• Redifon Canada, A Div. of Redifusion Inc. 1.

• Redifon Ltd. 1.

• Servo Corp. of America 1.

• Servomechanisms (Canada) Ltd. (1).

• Shand & Jurs Co. 1.

• Siemens Edison Swan (Canada) Ltd. 1.

• T.M.C. (Canada) Ltd. (1).

• Tecneek Associates 1.

• Tele-Radio Systems Ltd. 1.

• Texas Instruments Incorporated 1.

• Vector Labs, Inc. (1).

• Vickers Inc., Electric Products Div. 1.

**Tachometers**

**Tachometers** ..... 1  
**Electronic** ..... 2

Actuator Products Corp. 1.

• Aeromotive Engineering Products Ltd. 1-2.

• Airmec Ltd. 2.

• Aircraft Appliances & Equipment Ltd. 1.

• Airpax Electronics Inc. 1-2.

• Associated Research, Inc. 1.

• Atlas Instrument Corp. Ltd. 2.

• Aviation Electric Ltd. 1.

• Aviation Electric Pacific Ltd. 1-2.

• Bach-Simpson Ltd. (1).

• Bailey Meter Co. Ltd. (2).

• Beckman/Berkeley Div. 2.

• Bepeco Canada Ltd. (2).

• Biddle Co., James G. 1.

• Bristol Co. of Canada Ltd., Th (2).

• Canadian Pratt and Whitney Aircraft Co. Ltd. 1.

• Canavia Engineering & Sales Co. 2.

• Constellation Components Co. 1.

• Conway Electronic Enterprises Reg'd 1-2.

• Daystrom, Ltd. 1-2.

• Diehl Manufacturing Co. 1.

• Dymec, A Div. of Hewlett-Packard 2.

• Dynapar Corp. 2.

• E.M.I.-Cossor Electronics Ltd. (1)-(2).

• E.M.I. Electronics Ltd. 2.

• Electrodesign 1-2.

• Electro Labs 2.

• Electromechanical Products 2.

• Electronic Associates Ltd. (2).

• Electro Products Laboratories, Inc. 2.

• Ellis Industries, The J. W. 1.

• English Electric Co. Ltd., The 1.

• Erie Pacific, Div. of Erie Resistor Corp. 2.

• Erie Resistor Corp. 1-2.

• Evershed-Powertron Ltd. (2).

• Evershed and Vignoles Ltd. 1.

• Found Bros. Aviation Ltd. (1)-(2).

• Fraser Ltd., George M. 1.

• General Radio Co. 2.

• Herring & Co. Ltd., John 1.

• Higginson Equipment Sales Ltd. 1.

• Honeywell Controls Ltd. (1)-(2).

• Kelvin & Hughes Ltd. 1.

• Langham Thompson Ltd., J. 2.

• Leonard Electric Ltd. 1-2.

• Magtrol, Inc. 1-2.

• Measurement Engineering Ltd. 1-2.

• Muirhead Instruments Ltd. 1.

• Muirhead & Co. Ltd. 1.

• Nichols Ltd., R. H. 1-2.

• Norwood Controls, Unit of Detroit Controls 1.

• Oster Mfg. Co., John — Avionic Div. 1.

• R-O-R Associates Ltd. 2.

• Railway & Power Engineering Corp. Ltd. 1.

• Randall (Canada) Ltd., Douglas 1.

• Rank Cintel Ltd. 2.

• Record Electrical Co. Ltd., The 1.

• Servo Corp. of America 2.

• Servomechanisms (Canada) Ltd. 1.

• Smith Ltd., Irving 1-2.

• Southwestern Industrial Electronics Co. 1-2.

• Tecneek Associates 1.

• Veeder-Root of Canada Ltd. 1.

• Venner Electronics Ltd. 2.

**Tape Mechanisms**

**Tape Mechanisms** ..... 1

• Alpha Aracon Radio Co. Ltd. 1.

• Ampex American Corp. (1).

• Astral Electric Co., Ltd. 1.

• Atlas Radio Corp. Ltd. 1.

• Barvic Engineering Ltd. 1.

• Bendix Aviation, Computer Div. 1.

• Bern and Company Ltd., Lee 1.

• Bogen-Paramo Co. 1.

• Brenell Engineering Co. Ltd. 1.

• Burgess, Norris 1.

• Burroughs Adding Machine Co. of Canada Ltd. (1).

• Burroughs Adding Machine of Canada Ltd., Computer Systems Div. (1).

• Burroughs Corp., Electro-Data Div. 1.

• California Technical Industries Div. of Textron Inc. 1.

• Canadian Electrical Supply Co. Ltd. 1.

• Canadian Electronics Ltd. 1.

• Canavia Engineering & Sales Co. 1.

• Clark Ltd., Alex L. 1.

- Collins Radio Co. of Canada Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Creed & Co. Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- E.M.I. Electronics Ltd. 1.
- Electro Instruments, Inc. 1.
- Electronic Materials International Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1.
- Engineered Sound Systems Ltd. 1.
- Ferranti Packard Electric Ltd. (1).
- Finkler Ltd., Len 1.
- Found Bros. Aviation Ltd. (1).
- General Sound & Theatre Equipment Ltd. 1.
- Gray Ltd., H. Roy 1.
- Hackbusch Electronics Ltd. 1.
- Honeywell Controls Ltd. (1).
- Industrial Instruments, Inc. 1.
- Kahner Sales Ltd., R. C. 1.
- Minnesota Mining & Mfg. of Canada Ltd. (1).
- Mohawk Business Machines Corp. 1.
- Payette Radio Ltd. 1.
- Peffer Sound Systems Ltd. 1.
- Pointon Ltd., Charles W. 1.
- Randall (Canada) Ltd., Douglas 1.
- Sangamo Electric Co. 1.
- Simpson Mfg. Co. Inc., Mark 1.
- Smyth Electronic Components Ltd. 1.
- Thompson Ltd., Chas. L. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Tapes

|                             |   |
|-----------------------------|---|
| Computer Storage .....      | 1 |
| Electrical Insulation ..... | 2 |
| Lacing .....                | 3 |
| Pressure Sensitive .....    | 4 |
| Test .....                  | 5 |

- Alpha Aracon Radio Co. Ltd. 2-3-4.
- Ampex American Corp. (1).
- Andersen & Co. Ltd., A. A. 2-4.
- Andrews & Associates, A. W. 2-3.
- Armstrong Ltd., A. T. R. (2).
- ARVA Inc. (1).
- Astral Electric Co., Ltd. (5).
- Bendix Aviation, Computer Div. 1.
- Borden Chemical Co. — Resinite Dept. 2-3.
- Brady Co. of Canada Ltd., W. H. (2)-(4).
- Brady Co., W. H. 4.
- Burroughs Adding Machine Co. of Canada Ltd. (1).
- Burroughs Adding Machine of Canada Ltd., Computer Systems Div. (1).
- Canadian Johns-Manville Co. Ltd. (2)-(4).
- Clark Ltd., Alex L. 1.
- Computing Devices of Canada Ltd. 1.
- Connecticut Hard Rubber Co., The 2-4.
- Continental-Diamond Fibre of Canada Ltd. (2).
- Crawford Radio, The 2.
- Dixon Corp. 2.
- E.M.I.-Cossor Electronics Ltd. (1).
- E.M.I. Electronics Ltd. 1.
- Electro Sonic Supply Co. Ltd. 2-3-4-5.
- Electro-Technical Products Div., Sun Chemical Corp. 2-4.
- Ferranti Packard Electric Ltd. (1).
- Filer-Smith Machinery Co. Ltd. 2.
- Finkler Ltd., Len 3.
- Foster & Sons Ltd., Anthony 4.
- Gilchrist Ltd., Andrew 2-4.
- Gudebrod Bros. Silk Co., Inc. 3.
- International Business Machines Co. Ltd. (1).
- Merritt Co., Ron 1-2.
- Minnesota Mining & Mfg. of Canada Ltd. (2)-(4).
- Narrow Fabric Co., The 2-3.
- Natvar Corp. 2.
- New Jersey Wood Finishing Co. 2-4.
- M. M. Newman Corp. 3.
- Payette Radio Ltd. 2-5.
- Pfeiffer Electronic Laboratories 2.
- Radio Trade Supply Ltd. 3-5.

- Railway & Power Engineering Corp. Ltd. 2.
- Ruggles Co. Ltd., H. P. 2-3-4.
- Thompson Ltd., Chas. L. 2.
- Varah Ltd., L. A. 2-4.
- Waterloo Electronics Supply Co. Ltd. 2.
- Western Agencies Ltd. 2.
- Westline Products Div. of Western Lithograph Co. 4.
- Whittaker, E. E. 3.
- Wholesale Radio & Electronics Ltd. 2.

## Tapes and Films

|                          |   |
|--------------------------|---|
| Magnetic Recording ..... | 1 |
| Test .....               | 2 |

- Alpha Aracon Radio Co. Ltd. 1-2.
- Ampex American Corp. (1)-(2).
- Armstrong Ltd., A. T. R. (1).
- Arnold Engineering Co., The 1.
- ARVA Inc. (1).
- Astral Electric Co., Ltd. 1-(2).
- Atlas Radio Corp. Ltd. 1.
- Audio Devices, Inc. 1.
- Barvic Engineering Ltd. 1-2.
- Bel Cleer Products (Div. of Electronic Specialties) (1).
- Bendix Aviation, Computer Div. 1.
- Burroughs Adding Machine of Canada Ltd., Computer Systems Div. (1).
- Caldwell A/V Equipment Co. Ltd. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian Marconi Co., Electronic Tube & Components Div. 1.
- Clark Ltd., Alex L. 1.
- Collins Radio Co. of Canada Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- E.M.I. Electronics Ltd. 1.
- Electromechanical Products 1.
- Electronic Materials International Ltd. 1.
- Electronic Specialties (1).
- Electro Sonic Supply Co. Ltd. 1-2.
- Engineered Sound Systems Ltd. 1-2.
- Ferrodynamics Corp. 1.
- Fidelitone, Inc. 1.
- General Sound & Theatre Equipment Ltd. 1-2.
- Gould Sales Co., E. S. 1.
- Honeywell Controls Ltd. (1).
- Industrial & Institutional Communications Ltd. 1.
- Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 1-2.
- International Business Machines Co. Ltd. (1).
- Merritt Co., Ron 1-2.
- Minnesota Mining & Mfg. of Canada Ltd. (1).
- Payette Radio Ltd. 1-2.
- Peirce Dictation Systems 1.
- Radio Trade Supply Ltd. 1-2.
- Sarkes Tarzian, Inc. 1.
- SoundScriber Corp., The 1.
- Southwestern Industrial Electronics Co. 1.
- Thompson Products Ltd. 1.
- Varah Ltd., L. A. 1-2.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Technical Books,

|                       |   |
|-----------------------|---|
| Technical Books ..... | 1 |
|-----------------------|---|

- Alpha Aracon Radio Co. Ltd. 1.
- American Electronics Co. 1.
- Bern and Company Ltd., Lee 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Crawford Radio, The 1.
- Electro Sonic Supply Co. Ltd. 1.
- Finkler Ltd., Len 1.
- Kelvin & Hughes (Canada) Ltd. 1.
- Lake Engineering Co. Ltd. 1.
- Payette Radio Ltd. 1.
- Philco Corp. of Canada Ltd. (1).
- Pointon Ltd., Charles W. 1.
- Radio College of Canada (1).
- Radio Trade Supply Ltd. 1.
- Rider Publisher, Inc., John F. 1.
- Smyth Electronic Components Ltd. 1.
- Tilton Ltd., John R. 1.

- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Technical Writing, Electronic

|                                     |   |
|-------------------------------------|---|
| Technical Writing, Electronic ..... | 1 |
|-------------------------------------|---|

- Canadian Aviation Electronics Ltd. (1).
- Computing Devices of Canada Ltd. (1).
- Cushing & Newell Ltd. (1).
- Domac Technical Sales Ltd. 1.
- Electronic Associates Ltd. (1).
- Electronic Materials International Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1.
- Garrett Mfg. Corp. of Canada, Ltd., The (1).
- Kidde & Co. of Canada Ltd., Walter (1).
- Philco Corp. of Canada Ltd. (1).
- Radio College of Canada (1).
- University Loudspeakers, Inc. 1.

## Telemetry Systems, Electronic

|                                     |   |
|-------------------------------------|---|
| Telemetry Systems, Electronic ..... | 1 |
|-------------------------------------|---|

- Ahearn and Soper Co. Ltd. 1.
- Airpax Electronics Inc. 1.
- Amalgamated Electric Corp. Ltd. (1).
- Autotronics Control (1).
- Beckman Instruments, Inc., Beckman Systems Div. 1.
- Bendix Aviation Corp., Bendix-Pacific Div. 1.
- Bepec Canada Ltd. (1).
- Bristol Co. of Canada Ltd., The (1).
- Brown Boveri (Canada) Ltd. 1.
- Bulova Watch Co., Electronics Div. 1.
- C. G. Electronics Corp. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Centronix Inc. 1.
- Computer-Measurements Co., Div. of Pacific Industries 1.
- Computing Devices of Canada Ltd. 1.
- Daystrom, Ltd. 1.
- E.M.I. Electronics Ltd. 1.
- Electrodesign 1.
- Electromechanical Products 1.
- Electronic Research & Development Co. Ltd. (1).
- Epsco, Inc. 1.
- Evershed-Powertone Ltd. (1).
- Evershed and Vignoles Ltd. 1.
- Ferranti Packard Electric Ltd. (1).
- Hackbusch Electronics Ltd. 1.
- Hastings-Raydist, Inc. 1.
- Honeywell Controls Ltd. (1).
- Hoover Co. Ltd., The 1.
- Hoover Electronics Co. 1.
- Keith Mercer Co. Ltd. 1.
- Kidde & Co. of Canada Ltd., Walter (1).
- LEL, Inc. 1.
- Langham Thompson Ltd., J. 1.
- Lenkurt Electric Co. of Canada Ltd. (1).
- Lynch Carrier Systems Inc. 1.
- MEL Sales Ltd. 1.
- Measurement Engineering Ltd. 1.
- Microwave Systems 1.
- Nichols Ltd., R. H. (1).
- Parsons Co., The Ralph M. — Electronics Div. 1.
- Pioneer Industries Inc. 1.
- Radiation, Inc. 1.
- Radio Frequency Laboratories, Inc. 1.
- Radionics Ltd. 1.
- Rank Cintel Ltd. 1.
- Reeves Instrument Corp. 1.
- Servo Corp. of America 1.
- Shand & Jurs Co. 1.
- Siemens Edison Swan (Canada) Ltd. 1.
- Stelma, Inc. 1.
- Tatnal Measuring and Nuclear Systems 1.
- Tecneek Associates 1.
- Tele-Radio Systems Ltd. 1.
- Texas Instruments Incorporated 1.
- Titanla Electric Corp. of Canada Ltd. 1.
- Ultradyne, Inc. 1.

## Telephones, Handsets

|                            |   |
|----------------------------|---|
| Telephones, Handsets ..... | 1 |
|----------------------------|---|

- Ahearn and Soper Co. Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Amalgamated Electric Corp. Ltd. (1).
- Automatic Electric (Canada) Ltd. (1).
- Automatic Electric Sales (Canada) Ltd. 1.
- Automatic Electric International, Inc. 1.
- Automatic Telephone & Electric Co. Ltd. 1.
- Autophone Ltd. 1.
- Aviation Electric Pacific Ltd. 1.
- Barvic Engineering Ltd. 1.
- Bogen-Presto Co. 1.
- Canadian Communication Systems 1.
- Canadian Electronics Ltd. 1.
- D & B Sound and Signals Inc. 1.
- A/S Danavox 1.
- E.M.I.-Cossor Electronics Ltd. 1.
- Etrolabs 1.
- Electronic Materials International Ltd. 1.
- Electronic Research & Development Co. Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Engineered Sound Systems Ltd. 1.
- Ericsson Telephone Sales of Canada Ltd. (1).
- Etelco Canada Ltd. 1.
- General Sound & Theatre Equipment Ltd. 1.
- Hackbusch Electronics Ltd. 1.
- Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 1.
- International Systems Ltd. 1.
- MacIvor Electronics Ltd. 1.
- Northern Electric Co. Ltd. (1).
- Pacific Communications Services Ltd. 1.
- Payette Radio Ltd. 1.
- Peffer Sound Systems Ltd. 1.
- Prince and Roberts 1.
- Radio Trade Supply Ltd. 1.
- Siemens Edison Swan (Canada) Ltd. 1.
- Simpson Mfg. Co. Inc., Mark 1.
- Sperry Gyroscope Ottawa Ltd. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Telecom Ltd. 1.
- Telephone Mfg. Co. Ltd. 1.
- Tele-Radio Systems Ltd. 1.
- Telex, Inc. 1.
- Tilton Ltd., John R. 1.
- Trimm, Inc. 1.
- Varah Ltd., L. A. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Telephones, Handsets, Sound Powered

|   |   |
|---|---|
| Telephones, Handsets, Sound Powered ..... | 1 |
|---|---|

- Ahearn and Soper Co. Ltd. 1.
- Barvic Engineering Ltd. 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Electronic Materials International Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1.
- Engineered Sound Systems Ltd. 1.
- General Sound & Theatre Equipment Ltd. 1.
- Hackbusch Electronics Ltd. 1.
- Hart Electronics Ltd. 1.
- Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 1.
- International Systems Ltd. 1.
- MacIvor Electronics Ltd. 1.
- Payette Radio Ltd. 1.
- Peffer Sound Systems Ltd. 1.
- Prince and Roberts 1.
- Sperry Gyroscope Co. of Canada Ltd. 1.
- Sperry Gyroscope Ottawa Ltd. 1.
- T.M.C. (Canada) Ltd. 1.
- Telephone Mfg. Co. Ltd. 1.
- Varah Ltd., L. A. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Television Systems, Closed Circuit

|  |   |
|--|---|
| Television Systems, Closed Circuit ..... | 1 |
|--|---|

- Ahearn and Soper Co. Ltd. 1.

- ARVA Inc. (1).
- Atlas Instrument Corp. Ltd. 1.
- Barvic Engineering Ltd. 1.
- Benco Television Associates Ltd. (1).
- Blonder-Tongue Laboratories, Inc. 1.
- Blunt Ltd., L. G. 1.
- Canadian Electronics Ltd. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Canadian Motorola Electronics Ltd. (1).
- Canadian Pratt and Whitney Aircraft Co. Ltd. 1.
- Dage Television Div. of Thompson Ramo Wooldridge, Inc. 1.
- Decca Radar (Canada) Ltd. (1).
- E.M.I.-Cossor Electronics Ltd. (1).
- E.M.I. Electronics Ltd. 1.
- Electroline Television Equipment Inc. 1.
- Electronic Associates Ltd. (1).
- Electronic Research & Development Co. Ltd. 1.
- General Communications Ltd. 1.
- General Precision Laboratory Inc. 1.
- General Sound & Theatre Equipment Ltd. 1.
- Hart Electronics Ltd. 1.
- Jerrold Electronics (Canada) Ltd. (1).
- Kin Tel, A Div. of Cohu Electronics, Inc. 1.
- MEL Sales Ltd. 1.
- MacIvor Electronics Ltd. 1.
- Magnachem Ltd. 1.
- Marconi's Wireless Telegraph Co. Ltd. 1.
- Merritt Co., Ron 1.
- Northern Electric Co. Ltd. 1.
- Pacific Communications Services Ltd. 1.
- Peffer Sound Systems Ltd. 1.
- Philco Corp. of Canada Ltd. 1.
- Phillips Electronics Industries Ltd. (1).
- Pye Canada Ltd., Transmission Div. (1).
- RCA Victor Co. Ltd. (1).
- Radionics Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Rank Cintel Ltd. 1.
- Redifon Canada, A Div. of Redifusion, Inc. 1.
- Sarkes Tarzian, Inc. 1.
- Spencer-Kennedy Laboratories, Inc. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Sylvania Electric (Canada) Ltd. 1.
- Tequipment Mfg. Co. Ltd. 1.
- Tele-Radio Systems Ltd. 1.
- Thompson Ltd., Chas. L. 1.
- Thompson Products Ltd. 1.
- Westbury Electronics (Canada) Ltd. 1.
- Westbury Electronics, Inc. 1.
- Western Agencies Ltd. 1.
- Electro Sonic Supply Co. Ltd. 2-3-4-5.
- Enflo Inc. 2-3-5.
- Ethin Co. Ltd., H. B. (4).
- Filer-Smith Machinery Co. Ltd. 4.
- Fusite Corp. 1.
- Garde Manufacturing Co. 1-2-3-4-5.
- Geerz & Holm Canada Ltd. 4.
- General Cement Mfg. Co. — Div. of Textron Inc. 4.
- Glendon Co. Ltd., The 1.
- Gould Sales Co., E. S. 2-5.
- Gray Ltd., H. Roy 2.
- Hellermann (Canada) Ltd. (4).
- Howard & Co. Ltd., M. J. 2-5.
- IlSCO of Canada Ltd. (4).
- Industrial Electronic Hardware Mfg. Co. 4.
- Kulka Electric Corp. 3-5.
- Lake Engineering Co. Ltd. 1-2-3-5.
- Leonard Electric Ltd. 4.
- Litton Industries, U.S. Engineering Co. Div. 2-3-5.
- Lomas, E. G. 5.
- MacQuarrie Sales, J. J. 2.
- Methode Mfg. Corp. 3.
- Oki & Willadsen Ltd. 2-3-4-5.
- Palnton & Company Ltd. 1-2.
- Payette Radio Ltd. 4.
- Pfeiffer Electronic Laboratories 2-3-5.
- Pitt Distributing Co. Ltd. 4.
- Precision Metal Products Co. 2-3-5.
- Quality Hermetics Ltd. (1)-(2)-(5).
- Radio Trade Supply Ltd. 3-4-5.
- Railway & Power Engineering Corp. Ltd. 1-2-3-5.
- Randall (Canada) Ltd., Douglas 2-3-4-5.
- SIDO Ltd. (2)-(4)-(5).
- Telegraph Condenser Co. Ltd., The 1-2-3-5.
- Tilton Ltd., John R. 2-3-4-5.
- Triad Transformer Corp. 1.
- United-Carr Fastener Co. of Canada Ltd. (3)-(4).
- United Insulator Div. of The Telegraph Condenser Co. Ltd. 1-2-5.
- Varah Ltd., L. A. 2-4-5.
- Waldom Electronics Inc. 4.
- Walsco Electronics Mfg. Co. — Div. of Textron Inc. 4.
- Waterloo Electronics Supply Co. Ltd. 4.
- Western Agencies Ltd. 4.
- Whittaker, E. E. 2-5.
- Wholesale Radio & Electronics Ltd. 2-4-5.
- Y. W. Small Parts Ltd. (2)-(5).
- Aerovox Canada Ltd. 3.
- Ahearn and Soper Co. Ltd. 3-11-15-20-22.
- Airborne Instruments Lab., A Div. of Cutler-Hammer, Inc. 5-8-13-14.
- Aircrom Inc. 13.
- Aircraft Appliances & Equipment Ltd. (11)-(15).
- Airmec Ltd. 11-20.
- Altron Canada Ltd. (13).
- Alford Manufacturing Co. 13.
- Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-7-8-9-10-11-12-15-19-20-21-22.
- American Electronic Laboratories, Inc. 20.
- ARVA Inc. (15).
- Associated Electronic Components Ltd. 11.
- Atlas Research, Inc. 7-11-12.
- Atlas Instrument Corp. Ltd. 9-13-20-22.
- Atlas Radio Corp. Ltd. 20-21-22.
- Audio Instrument Co., Inc. 9.
- Automatic Electric Sales (Canada) Ltd. 21.
- Aviation Electric Ltd. 16-17-18-22.
- Aviation Electric Pacific Ltd. 13.
- Bach-Simpson Ltd. (2)-3-(5)-(7)-9-10-11-(19)-(22).
- Baird-Atomic, Inc. 4-20.
- Beacons Optical & Precision Materials Co. Ltd. (B O P Ltd.) (6)-(13)-(14).
- Beckman Instruments Inc. (6)-(22).
- Bendix Aviation Corp., Scintilla Div. 13.
- Bern and Company Ltd., Lee 2-3-4-5-8-20-21-22.
- Bliss Electronic Corp. 3-5-7-11-15-22.
- Boonton Electronics Corp. 3-10-22.
- Branson Instruments, Inc. and Branson Ultrasonic Corp. 7.
- A/S Bruel & Kjaer 3-9-10-11.
- Bulgin & Co. Ltd., A. F. 5.
- Burgess, Norris 1-2-3-4-5-7-8-19-20-21-22.
- C. G. Electronics Corp. 20.
- California Technical Industries Div. of Textron Inc. 3-5-7-8-10-13-20.
- Cambridge Instrument Co., Ltd. 12.
- Canadian Aviation Electronics Ltd. (2)-(3)-(14)-(17).
- Canadian Electrical Supply Co. Ltd. 1-2-3-4-5-7-8-12-20-21-22.
- Canadian Electronics Ltd. 1-2-3-4-5-7-9-15.
- Canadian Marconi Co. 13-14-20.
- Canadian Marconi Co., Electronic Tube & Components Div. 3-4-21.
- Canadian Motorola Electronics Ltd. 13.
- Canadian Research Institute (1)-(2)-(3)-(5)-(7)-(8)-(11)-(12)-(15)-(20)-(21)-(22).
- Canavia Engineering & Sales Co. 18.
- Carriere and MacPeeters Ltd. 17.
- Centronix Inc. 1.
- Chemalloy Electronics Corp. 13-14.
- Christie Electric Corp. 2.
- Computing Devices of Canada Ltd. (4)-(14).
- Control Electronics Co., Inc. 14.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22.
- Cooper & Co. Ltd., W. H. 2-22.
- Cossor Instruments Ltd. 20.
- Cornell-Dubilier Electric Corp. 3.
- Crawford Associates, Allan 12.
- Crawford Radio, The 20.
- Curtiss Wright Corp. — Electronics Div. 11-20.
- Daveco Agencies Ltd. 22.
- Daystrom, Ltd. 2-3-4-5-7-9-11-12-19-21-22.
- DeMornay-Bonardi, Inc. 13.
- Deskin Sales Co., A. 20.
- Desser E-E Ltd. 2-20-21-22.
- Domac Technical Sales Ltd. 14.
- Dymec, A Div. of Hewlett-Packard 13.
- E.M.I.-Cossor Electronics Ltd. 1-3-4-5-7-9-10-11-12-20-21-22.
- E.M.I. Electronics Ltd. 13-14.
- Eastern Specialty Co., The 11-12-15.
- Electrodesign 4-5-7-11-13-16-17-19-21-22.
- Electro Instruments, Inc. 2-3-5-7-8-10-11-12-15-16-20-22.
- Electrolabs 2-5-6-7-11-12-22.
- Electromechanical Products 3-13-14-18-20.
- Electronic Components Ltd. 2-3-12-22.
- Electronic Instrument Co., Inc. 2-3-4-5-20-21-22.
- Electronic Research Associates, Inc. 8-20.
- Electro Sonic Supply Co. Ltd. 1-2-3-4-5-7-8-9-10-11-12-15-19-20-21-22.
- Ellis Industries, The J. W. 3-5-7-11-22.
- Empire Devices Products Corp. 13.
- English Electric Co. Ltd., The 11.
- Evershed and Vignoles Ltd. 2-5-7-11-22.
- FXR Inc. 13-14.
- Ferrotran Electronics Co., Inc. 20.
- Finkler Ltd., Len 19-20-21-22.
- Found Bros. Aviation Ltd. (18).
- General Cement Mfg. Co. — Div. of Textron Inc. 22.
- General Communications Ltd. 11-15.
- General Radio Co. (Canadian Branch Office) (20)-(21).
- General Radio Co. 3-9-10-11-13-19-20-21.
- Glendon Instrument Co. Ltd., The 3-9-11-13-14-20-22.
- P. Gossen & Co. G.m.b.H. 20-22.
- Gray Ltd., H. Roy 20.
- Greblich Instruments Corp. 20.
- Guardian Electric Mfg. Co. 5-7-11-15.
- Hackbusch Electronics Ltd. 20.
- Herring & Co. Ltd., John 5-7-11-12-15.
- Hewlett-Packard Co. 13.
- Hoover Co. Ltd., The 20.
- Hoover Electronics Co. 5-15.
- Hummel, William M. 20.
- Hunter Tools, Inc. 5.
- Industrial Instruments, Inc. 5-7-11.
- Industrial Test Equipment Co. 5-11-16-17.
- Instronics Ltd. 5-11-13-14-16.
- Instrument Laboratories 5.
- Jackson Electrical Instrument Co., The 3-7-21.
- Jerrold Electronics (Canada) Ltd. (14).
- Kay Electric Co. 14-20.
- Dipl. Ing. Ulrich Knick 11.
- Knopp Inc. 22.
- Lake Engineering Co. Ltd. 20.
- Lenkurt Electric Co. of Canada Ltd. (15).
- Liquidometer of Canada Ltd. (3).
- Liquidometer Corp., The 3.
- Lomas, E. G. 14.
- MEL Sales Ltd. 3-12-13-14-16-20.
- Mack Co. Ltd., R. 5-8-22.
- MacQuarrie Sales, J. J. 2-5-7-11-22.
- Manis Associates Reg'd, Ben (1)-(4)-(21).
- Manson Laboratories, Inc. 11-21.
- Measurement Engineering Ltd. (2)-(4)-(5).
- Measurements Corp., A McGraw-Edison Div. 20.
- Mechtron Engineering Products Ltd. 20.
- Merritt Co., Ron 2-4-19-20-21-22.
- Metronix, Inc. 20.
- Microwave Associates, Inc. 13.
- Microwave Systems 13.
- Multhead Instruments Ltd. 16-17-18.
- Murphy Radio Ltd. 14.
- National Sound Services Ltd. (2)-(5)-(7)-(11)-(12)-(15)-(21).
- Nichols Ltd., R. H. 2-5-7-11-12-20-21-22.
- Northern Electric Co. Ltd. 11.
- Optimized Devices, Inc. 20.
- Paco Electronics Co., Inc. 3-4-5-21-22.
- Payette Radio Ltd. 1-2-3-4-5-7-8-9-10-11-12-20-21-22.
- Peschel Electronics, Inc. 5-7-11-22.
- Phillips Electronics Industries Ltd. (20).
- Polarad Electronics Corp. 13-16.
- Precision Apparatus Co., Inc. 4-5-19-20-21-22.
- Pye & Co. Ltd., W. G. 11-21.
- Pyramid Electric Co. 3.
- P-R-R Associates Ltd. 3-9-11-12.
- Radio Frequency Laboratories, Inc. 11-12.
- Radionics Ltd. 3-5-8-10-13-14-20-21-22.
- Radio Trade Supply Ltd. 2-3-4-5-7-8-9-10-11-12-19-20-21-22.
- Railway & Power Engineering Corp. Ltd. 11.
- Rank Cintel Ltd. 1-3-4-21.

### Terminals For VHF, Video and Pulse Work

#### Terminations for VHF, Video & Pulse Work ... 1

- Barvic Engineering Ltd. 1.
- Bendix Aviation Corp., Scintilla Div. 1.
- Blonder-Tongue Laboratories, Inc. 1.
- Electroline Television Equipment Inc. 1.
- Electronic Research & Development Co. Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1.
- Narda Microwave Corp., The 1.
- Radionics Ltd. 1.

### Testers

|                                   |    |
|-----------------------------------|----|
| Automatic Tube .....              | 1  |
| Battery .....                     | 2  |
| Capacitor .....                   | 3  |
| Cathode Ray Tube .....            | 4  |
| Circuit .....                     | 5  |
| Color Infra Red .....             | 6  |
| Continuity .....                  | 7  |
| Crystal Diode .....               | 8  |
| Distortion .....                  | 9  |
| Induction .....                   | 10 |
| Insulation .....                  | 11 |
| Meter .....                       | 12 |
| Microwave Testing Equipment ..... | 13 |
| Radar .....                       | 14 |
| Relay .....                       | 15 |
| Servo .....                       | 16 |
| Synchro Error .....               | 17 |
| Torque .....                      | 18 |
| Transconductance Tube .....       | 19 |
| Translator .....                  | 20 |
| Vacuum Tube .....                 | 21 |
| Voltage .....                     | 22 |

- Adams Engineering Ltd. 9-13.
- Aeromotive Engineering Products Ltd. 20.

### Terminals

|                           |   |
|---------------------------|---|
| Hermetically Sealed ..... | 1 |
| Miniature .....           | 2 |
| Printed Circuit .....     | 3 |
| Solderless .....          | 4 |
| Sub-Miniature .....       | 5 |

- Aircraft-Marine Products of Canada, Ltd. (2)-(3)-(4).
- Airflite Components Co. 2-5.
- Alpha Aracon Radio Co. Ltd. 2-3-4-5.
- Anatom Electronic Hardware Co. 2-3-5.
- Armstrong Ltd., A. T. R. (1).
- Astral Electric Co., Ltd. 2-3-5.
- Belling & Lee Ltd. 4.
- Bern and Company Ltd., Lee 4-5.
- Birnbach Radio Co., Inc. 2-5.
- Bulgin & Co. Ltd., A. F. 2.
- Burgess, Norris 2-3-4-5.
- Burndy Canada Ltd. (1)-(2)-(3)-(4).
- Cambridge Thermionic of Canada, Ltd. (2)-(3).
- Canadian Electrical Supply Co. Ltd. 2-4-5.
- Canadian Electronics Ltd. 4.
- Cinch Manufacturing Co. 3.
- Crawford Radio, The 4.
- D & B Sound and Signals Inc. 4.
- DeJur-Amsco Corp., Electronic Sales Div. 4.
- Deskin Sales Co., A. 2-3-4-5.
- Electrical Industries, Div. of Phillips Electronics, Inc. 1.
- Electrodesign 1.
- Electrolabs 2-3.
- Electronic Components Ltd. (4).

Record Electrical Co. Ltd., The 7-11.  
 Rinco, Inc. 3.  
 \* Robinson Co., C. M. 2-3-7-20-21-22.  
 \* Ross & Sons Ltd., Frank T. 2-22.  
 Ruhstrat, Gebr. 11-22.  
 \* Rutherford Agencies 3.  
 Schomandl KG 13-14.  
 Scott & Co. (Electrical Engineers) Ltd., James 13.  
 Seco Mfg. Co. 1-5-7-19-20-21.  
 Shallcross Mfg. Co. 11.  
 \* Siemens Edison Swan (Canada) Ltd. 15-20.  
 Sierra Electronic Corp. 20.  
 Sigma Instruments, Inc. 15.  
 Simpson Electric Co. 2-3-5-12-20-21-22.  
 \* Sinclair Radio Labs. Ltd. (13).  
 \* Smith Ltd., Irving 1-2-3-5-7-11-12-21-22.  
 \* Smyth Electronic Components Ltd. 3-7-10-13-14.  
 Southwestern Industrial Electronics Co. 3-10-11-22.  
 \* Sperry Gyroscope Co. of Canada Ltd. (5)-(7)-13-14-(22).  
 Sprague International Ltd. 3-20.  
 States Co., The 11-12.  
 \* Stark Electronic Sales Co. 1-(2)-3-(4)-(5)-(7)-8-11-(19)-20-(21)-(22).  
 \* Tasso Agencies, Emile 11.  
 \* Tecneek Associates 2-3-5-7-11-15-16-18-19-21-22.  
 Texas Instruments Incorporated 3-5-20.  
 \* Thermovolt Instruments Ltd. 10-11-12-22.  
 Thomas Electronics, Inc. 1-4.  
 \* Thompson Ltd., Chas. L. 21.  
 \* Tilton Ltd., John R. 3.  
 \* Titania Electric Corp. of Canada Ltd. 3.  
 Triplett Electrical Instrument Co., The 4-20-21-22.  
 United States Gauge Div., American Machine & Metals, Inc. 17.  
 Valor Instruments, Inc. 20.  
 \* Varah Ltd., L. A. 3-5-7-11-19-20-21-22.  
 \* Verd-A-Ray Electric Products Ltd. 12-22.  
 Vis-U-All Products Co. 1-2-4-20-21.  
 Walsco Electronics Mfg. Co. — Div. of Textron Inc. 22.  
 \* Waterloo Electronics Supply Co. Ltd. 1-2-3-4-5-20-21-22.  
 Waterman Products Co., Inc. 14.  
 \* Western Agencies Ltd. 1-2-3-4-5-20-21-22.  
 Whiteley Electrical Radio Co. Ltd. 12.  
 \* Wholesale Radio & Electronics Ltd. 1-2-3-4-5-7-8-10-11-12-19-20-21-22.

**Thermistors**

**Thermistors** ..... 1  
 \* Aeromotive Engineering Products Ltd. 1.  
 Aero Research Instrument Co. Inc. 1.  
 \* Ahearn and Soper Co. Ltd. 1.  
 Barron, William T. 1.  
 \* Boyd Ltd., Winnett 1.  
 \* Canadian Electrical Supply Co. Ltd. 1.  
 \* Central Dynamics Ltd. (1).  
 Conway Electronic Enterprises Reg'd 1.  
 Cornell-Dubilier Electric Corp. 1.  
 \* Electrodesign 1.  
 Electro Sonic Supply Co. Ltd. 1.  
 \* Ericsson Telephone Sales of Canada Ltd. (1).  
 Fenwal Electronics Inc. 1.  
 Ferroxcube Corp. of America 1.  
 G-C Electronics Mfg. Co., Div. of G-C Textron Inc. 1.  
 \* Hackbusch Electronics Ltd. 1.  
 Honeywell Controls Ltd. (1).  
 Industrial Instruments, Inc. 1.  
 \* Kidde & Co. of Canada Ltd., Walter (1).  
 \* Lake Engineering Co. Ltd. 1.  
 MEL Sales Ltd. 1.  
 \* Measurement Engineering Ltd. 1.  
 \* Mitchell Electronics, J. C. E. 1.  
 Narda Microwave Corp., The 1.  
 Northern Electric Co. Ltd. (1).  
 Payette Radio Ltd. 1.  
 \* Plessey Co. of Canada Ltd. (1).  
 Polytechnic Research & Development Co., Inc. 1.  
 \* Radio Trade Supply Ltd. 1.  
 \* Rousseau Controls Ltd. 1.  
 Servo Corp. of America 1.  
 \* Smyth Electronic Components Ltd. 1.

\* Sperry Gyroscope Co. of Canada Ltd. 1.  
 \* Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.  
 \* Tattall Measuring and Nuclear Systems 1.  
 \* Titania Electric Corp. of Canada Ltd. (1).  
 \* Varah Ltd., L. A. 1.  
 \* Western Agencies Ltd. 1.  
 \* Wholesale Radio & Electronics Ltd. 1.  
 Yellow Springs Instrument Co. Inc. 1.

**Thermocouples**

**Pyrometric** ..... 1  
**Vacuum** ..... 2  
 \* Aeromotive Engineering Products Ltd. 1.  
 Aero Research Instrument Co. Inc. 1.  
 \* Barber-Colman of Canada Ltd. (1).  
 Barber-Colman Co. 1.  
 Best Products Ltd. 2.  
 \* Boyd Ltd., Winnett 1-2.  
 \* Brian Engineering Ltd. 1-2.  
 \* Bristol Co. of Canada Ltd., The (1)-(2).  
 Cambridge Instrument Co., Ltd. 1.  
 \* Canadian Research Institute (1)-(2).  
 \* Carriere and MacFeeters Ltd. 1.  
 Central Dynamics Ltd. (1).  
 Consolidated Controls Corp. 1.  
 Conway Electronic Enterprises Reg'd 1-2.  
 \* Davis Automatic Controls Ltd. 1.  
 \* Delta Aircraft Equipment Ltd. 1.  
 \* Edwards High Vacuum (Canada) Ltd. (2).  
 \* Electro Sonic Supply Co. Ltd. 1.  
 \* Ellis Industries, The J. W. 1.  
 \* Engelhard Industries of Canada Ltd. (1).  
 Evershed and Vignoles Ltd. 1.  
 \* Garrett Mfg. Corp. of Canada, Ltd., The 1.  
 \* General Controls Co. (Canadian) Ltd. 1.  
 \* Hackbusch Electronics Ltd. 1-2.  
 Honeywell Controls Ltd. (1).  
 Hughes Products 2.  
 \* Kelvin & Hughes (Canada) Ltd. 1.  
 Kinney Mfg. Div., The New York Air Brake Co. 2.  
 \* MEL Sales Ltd. 2.  
 \* Measurement Engineering Ltd. (1).  
 \* Mechron Engineering Products Ltd. 1.  
 NRC Equipment Corp. 2.  
 \* Nichols Ltd., R. H. 1.  
 \* Northern Electric Co. Ltd. (1).  
 Polytronics Co. (1).  
 Radionics Ltd. 2.  
 Sifam Electrical Instrument Co. Ltd. 1.  
 \* Taylor Instrument Cos. of Canada Ltd. (1).  
 Tech Laboratories, Inc. 1-2.  
 \* Tecneek Associates 1.  
 \* Thermo Electric (Canada) Ltd. (1).  
 West Instrument Corp. 1.  
 \* Wholesale Radio & Electronics Ltd. 2.

**Thermopiles**

**Thermopiles** ..... 1  
 Aero Research Instrument Co. Inc. 1.  
 Biddle Co., James G. 1.  
 Cambridge Instrument Co., Ltd. 1.  
 \* Ellis Industries, The J. W. 1.  
 Honeywell Controls Ltd. (1).  
 \* Nichols Ltd., R. H. 1.  
 \* Thermo Electric (Canada) Ltd. (1).

**Thermostats**

**Bimetal** ..... 1  
**Electronic** ..... 2  
 \* Aeromotive Engineering Products Ltd. 1.  
 \* Astral Electric Co., Ltd. 1.  
 \* Barber-Colman of Canada Ltd. (1)-(2).  
 Barber-Colman Co. 2.  
 \* Becpo Canada Ltd. (2).  
 \* British Rototherm Co. Ltd., The 1.  
 Cambridge Instrument Co., Ltd. 2.

\* Conway Electronic Enterprises Reg'd 2.  
 \* D & B Sound and Signals Inc. 1.  
 \* Davis Automatic Controls Ltd. 1.  
 \* E-T-A Products of Canada Ltd. (1).  
 \* Engelhard Industries of Canada Ltd. (1).  
 Fasco Industries, Inc. 1.  
 Fielden Electronics Ltd. 2.  
 \* Fisher Scientific Co. Ltd. 1.  
 G-V Controls Inc. 1.  
 \* Garrett Mfg. Corp. of Canada, Ltd., The (2).  
 \* General Controls Co. (Canadian) Ltd. 1-2.  
 Hart Mfg. Co., The 1.  
 \* Honeywell Controls Ltd. (1)-(2).  
 \* Kelvin & Hughes (Canada) Ltd. 1.  
 \* Measurement Engineering Ltd. (2).  
 Metals & Controls Div. of Texas Instruments Incorporated 1.  
 \* Northern Electric Co. Ltd. 1.  
 \* Rousseau Controls Ltd. 1-2.  
 \* Smith Ltd., Irving 2.  
 \* Stark, R. W. (1).  
 \* Stevens Mfg. Co., Inc. 1.  
 \* Tecneek Associates 1-2.  
 United Aircraft Products, Inc. 1.  
 Valverde Laboratories 1.  
 \* Varah Ltd., L. A. 1.  
 Yellow Springs Instrument Co. Inc. 2.

**Tinning, Hot Dipped**

**Tinning, Hot Dipped** ..... 1  
 Alpha Wire Corp. 1.  
 Amatom Electronic Hardware Co. 1.  
 \* Bayly Engineering Ltd. (1).  
 \* Electronic Components Ltd. (1).  
 \* Quality Hermetics Ltd. (1).

**Tools**

**Hand or Mechanical** ..... 1  
**Pneumatic Assembly** ..... 2  
**Resistance Soldering** ..... 3  
**Thermal Soldering** ..... 4  
**Ultrasonic Soldering** ..... 5  
 A.N.T.E.X. Ltd. 3.  
 \* Alpha Aracon Radio Co. Ltd. 1.  
 \* Astral Electric Co., Ltd. 4.  
 Atlas Radio Corp. Ltd. 1.  
 Aviation Electric Ltd. 1.  
 \* Bern and Company Ltd., Lee 1.  
 \* Best Co., John 1-2-3-4.  
 Burgess, Norris 1.  
 \* Canadian Fairbanks-Morse Co. Ltd., The 1.  
 \* Canadian Liquid Air Co. 3.  
 Conway Electronic Enterprises Reg'd 5.  
 Desoutter Brothers Ltd. 2.  
 Deutsch Co., The 1-2.  
 \* Electro Sonic Supply Co. Ltd. 1.  
 Finkler Ltd., Len 1.  
 \* Gardner-Denver Co. 2.  
 Gasaccumulator Co. (Canada) Ltd. 1.  
 General Cement Mfg. Co. — Div. of Textron Inc. 1.  
 \* Gray-Bonney Tool Co. Ltd. (1).  
 \* Hackbusch Electronics Ltd. 1.  
 \* Hellermann (Canada) Ltd. (1).  
 \* Hildon Corp. Ltd. 1.  
 \* Hope Machinery Co. 1.  
 Hunter Tools, Inc. 1-2.  
 Kerr-Machin Associates 1-2.  
 Luma Electric Equipment Co., The 3.  
 \* Merritt Co., Ron 1.  
 Moody Machine Products Co., Inc. 1.  
 \* Moore Bros. Machinery Co. Ltd. 1.  
 Payette Radio Ltd. 1.  
 Pic Design Corp. 1.  
 \* Pointon Ltd., Charles W. 1.  
 Proto Tools of Canada Ltd. (1).  
 Radio Trade Supply Ltd. 1.  
 Railway & Power Engineering Corp. Ltd. 1.  
 \* Ross & Sons Ltd., Frank T. 1.  
 \* Smith Ltd., Irving 1-3-4-5.  
 Tech Laboratories, Inc. 3-4.  
 \* Titania Electric Corp. of Canada Ltd. 5.  
 \* Transonic Ltd. (5).  
 \* Ungar Electric Tool Co. of Canada (4).  
 Vaco Products Co. 1.  
 Wall Mfg. Co., P. 4.  
 Walsco Electronics Mfg. Co. — Div. of Textron Inc. 1.  
 Wen Products, Inc. 1.  
 \* Western Agencies Ltd. 1-4.

**Toroids**

**Toroids** ..... 1  
 Airpax Electronics Inc. 1.  
 \* Armstrong Ltd., A. T. R. (1).  
 Arnold Engineering Co., The 1.  
 \* Arnold Magnetics Corp. 1.  
 \* ARVA Inc. (1).  
 Automatic Telephone & Electric Co. Ltd. 1.  
 \* Aviation Electric Ltd. 1.  
 \* Bayly Engineering Ltd. (1).  
 C. G. Electronics Corp. 1.  
 Control, A Div. of Magnetics Inc. 1.  
 \* Control Electronics Co., Inc. 1.  
 \* Conway Electronic Enterprises Reg'd 1.  
 \* Crawford Radio, The 1.  
 Custom Components, Inc. 1.  
 \* Electro Sonic Supply Co. Ltd. 1.  
 Erie Resistor Corp. 1.  
 \* Essex Electronics of Canada Ltd. (1).  
 \* General Instrument — F. W. Sickles of Canada Ltd. (1).  
 \* Howard & Co. Ltd., M. J. 1.  
 \* Kahmert Sales Ltd., R. C. 1.  
 \* Lenkurt Electric Co. of Canada Ltd. (1).  
 \* Lomas, E. G. 1.  
 \* MacQuarrie Sales, J. J. 1.  
 Magnetics Inc. 1.  
 \* National Sound Services Ltd. 1.  
 Neosid (Canada) Ltd. (1).  
 North Hills Electric Co., Inc. 1.  
 Perkin Engineering Corp. 1.  
 Polyphase Instrument Co. 1.  
 \* Randall (Canada) Ltd., Douglas (1).  
 Sangamo Electric Co. 1.  
 \* Servomechanisms (Canada) Ltd. 1.  
 Southwestern Industrial Electronics Co. 1.  
 \* Standard Television Products Ltd. (1).  
 Steward Mfg. Co., D. M. 1.  
 Telephone Mfg. Co. Ltd. 1.  
 Triad Transformer Corp. 1.  
 \* Westbury Electronics (Canada) Ltd. 1.  
 \* Western Agencies Ltd. 1.

**Tracers**

**Electron Tube Curve** ..... 1  
**Signal** ..... 2  
 \* Alpha Aracon Radio Co. Ltd. 2.  
 Amos of Exeter Ltd. 2.  
 Baird-Atomic, Inc. 1.  
 \* Canadian Marconi Co. 1.  
 Conway Electronic Enterprises Reg'd 1-2.  
 \* E.M.I.-Cossor Electronics Ltd. (1).  
 E.M.I. Electronics Ltd. 2.  
 Electronic Instrument Co., Inc. 2.  
 \* Electro Sonic Supply Co. Ltd. 2.  
 Merritt Co., Ron 2.  
 \* Smith Ltd., Irving 2.  
 Tektronix Inc. 1.  
 \* Waterloo Electronics Supply Co. Ltd. 2.  
 \* Wholesale Radio & Electronics Ltd. 2.

**Transceivers**

**Aviation** ..... 1  
**Lifeboat** ..... 2  
**Portable** ..... 3  
**UHF** ..... 4  
**VHF** ..... 5  
 Acton Laboratories, Inc. 3.  
 Addison Industries Ltd. (3).  
 Aeronautical Electronics, Inc. 1-5.  
 \* Ahearn and Soper Co. Ltd. 3.  
 \* Associated Electrical Industries (Canada) Ltd. (4).  
 \* Aviation Electric Ltd. 1.  
 \* Aviation Electric Pacific Ltd. 1-5.  
 \* Avtek Systems Engineering Ltd. (1)-(5).  
 \* Barvic Engineering Ltd. 2-5.  
 \* Beaconsing Optical & Precision Materials Co. Ltd. (B O P Ltd.) 2-3.  
 \* Canadian Aviation Electronics Ltd. (3).  
 \* Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 3.  
 \* Canadian Marconi Co. 2-(4)-(5).  
 \* Canadian Motorola Electronics Ltd. (3)-(5).  
 \* Centronix Inc. 1-2-3.  
 \* Chisholm Industries Ltd. (3).  
 \* Collins Radio Co. of Canada Ltd. (1)-(4)-(5).

- Computing Devices of Canada Ltd. 1.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5.
- Diamond Power Specialty Corp., Electronics Div. 3.
- Electronic Materiel International Ltd. (1)-(4)-(5).
- Electro Sonic Supply Co. Ltd. 5.
- Engineered Sound Systems Ltd. 3.
- Globe Electronics Inc. 3.
- Hart Electronics Ltd. 1-2-3-4-5.
- Intronics Ltd. 3.
- International Syscoms Ltd. 3(5).
- Johnson Co., E. F. 3.
- Kaar Engineering Corp. 1-4-5.
- LEL, Inc. 3-4-5.
- Marconi's Wireless Telegraph Co. Ltd. 1-2-3-5.
- Multi-Products Co. 3.
- Philips Electronics Industries Ltd. 4-5.
- Plessey Co. of Canada Ltd. (1)-(4)-(5).
- RCA Victor Co. Ltd. (2)-(3)-(4)-(5).
- Railway & Power Engineering Corp. Ltd. 1-5.
- Redifon Canada, A Div. of Redifusion, Inc. 2-3.
- Redifon Ltd. 3-5.
- Simmonds Aerocessories, Inc. 2-3-4.
- Tele-Radio Systems Ltd. 1-3-4-5.
- Trad Electronics Corp. 3.
- Vocaline Co. of America, Inc. 3-4-5.

- Altec Lansing Corp. 1-2-3-4-6-8-9-11.
- American Superior Electric Co. Ltd. (2)-(7)-(8)-(9).
- Amos of Exeter Ltd. 2-3-4-6-7-9.
- Arnold Magnetics Corp. 2-7.
- Associated Electronic Components Ltd. 1-3-4-5-6-7-9-11.
- Atlas Radio Corp. Ltd. 3.
- Audio Transformer Co. Ltd. (3)-(4)-(6)-(9)-(10).
- Aviation Electric Ltd. 2.
- Aviation Electric Pacific Ltd. 2.
- Bern and Company Ltd., Lee 3-4-5-6-10-11.
- Burgess, Norris 4.
- Canadian Electronics Ltd. 2-3-6-8-10-11.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 2.
- Canadian Liquid Air Co. 12.
- CERL-DALE, Limited (formerly Canadian Electric Resistors Ltd.) 2-8-11.
- Coll Winders, Inc. 1-2-3-4-5-6-7-8-9-11.
- Constellation Components Co. 2-4.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9-10-11-12-13.
- Crawford Radio, The 3-4-5-6-8-10-11.
- D & B Sound and Signals Inc. 3.
- Daveco Agencies Ltd. 3.
- Davis Automatic Controls Ltd. 4-7.
- Dewhurst & Partner Ltd. 10.
- Durakool, Inc. 1-2-3-4-5-6-7-8-9-10-11-12.
- Eagle Electric Mfg. Co. Inc. 1.
- Electronlabs 11.
- Electronic Research Associates, Inc. 1-2-6-7-9-11.
- Electro Sonic Supply Co. Ltd. 1-2-3-4-5-6-7-8-9-10-11.
- Electro-Sonic Laboratories, Inc. 3.
- English Electric Co. Ltd., The 2-3-7-9-12.
- Ewald Instruments 12.
- Fairchild Recording Equipment Corp. 3.
- Ferrotran Electronics Co., Inc. 2-3.
- Garrett Mfg. Corp. of Canada, Ltd., The (1)-(7)-(11).
- Geerz & Holm Canada Ltd. 3.
- General Radio Co. (Canadian Branch Office) (2)-(11).
- General Sound & Theatre Equipment Ltd. 3.
- Glendon Co. Ltd., The 3-6.
- Gomard Electronics Ltd. (3)-(5)-(6).
- Gould Sales Co., E. S. 3-4-6-10.
- Hackbusch Electronics Ltd. 3-4-5-6.
- Hammond Mfg. Co. Ltd. (1)-(2)-(3)-(4)-(5)-(6)-(7)-(9)-(10)-(11)-(12)-(13).
- Hummel, William M. 3.
- Industrial & Institutional Communications Ltd. 3-8.
- Jensen Speakers, Div. of Renfrew Electric Co. Ltd. (1)-(2)-(3)-(4)-(6)-(8).
- Kahmert Sales Ltd., R. C. 2-3-4-6-10-11.
- Kelvin & Hughes (Canada) Ltd. 5.
- Kelvin Electric Co. 1-2-7-11.
- Kidde & Co. of Canada Ltd., Walter (2)-(3)-(4)-(5)-(7).
- Leonard Electric Ltd. 2-7.
- Lomas, E. G. 1-2-3-6.
- Mack Co. Ltd., R. 3.
- Magnetic Coil Co. (1)-(4)-(9).
- Merritt Co., Ron 2-3-4-5-6-7-8-9-10-11.
- Mitchell Electronics, J. C. E. 1-2-4-7-11.
- Moloney Electric Co. of Canada Ltd. (5)-(6).
- New York Coll Co. 1-2-3-6-7-11.
- Osborne Electric Co. Ltd. (1)-(2)-(4)-(6)-(7).
- Oxford Components, Div. Oxford Electric Corp. 1-3-4-5-6-8-9-10-13.
- Partridge Transformers Ltd. 2-3-4-5-6-9-10.
- Payette Radio Ltd. 3-4-5-6-8-9-10.
- Perkin Engineering Corp. 1-2-4-7-9-11.
- Philips Electronics Industries Ltd. (13).
- Plessey Co. of Canada Ltd. (3).
- Pointon Ltd., Charles W. 3-5-6.
- Polyphase Instrument Co. 2-5-7.
- Polytronics Co. (7).
- Radio Trade Supply Ltd. 1-2-3-4-5-6-8-9-10-11-12.

- Ram Electronics, Inc. 2-3-4-6-8-11-13.
- Randall (Canada) Ltd., Douglas (1)-(2)-(3)-(4)-(5)-(6)-(7)-(9)-(10)-(11).
- Raypar, Inc. 4-6.
- Raytheon Canada Ltd. (11)-(12).
- Robinson Co., C. M. 3-4-5-6-8.
- Rogers Electronic Tubes & Components 3-9.
- Rola Celestion Ltd. 3.
- Ruhstrat, Gebr. 8-11.
- Sangamo Electric Co. 1-2-3-4-5-9.
- Servomechanisms (Canada) Ltd. 2.
- Smyth Electronic Components Ltd. 1-7-11.
- Sola Electric (Canada) Ltd. (2)-(6)-(8)-(11).
- Southwestern Industrial Electronics Co. 2-3.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. (2)-(4)-(6)-(9).
- Standard Television Products Ltd. (1)-(2)-(3)-(4)-(5)-(6)-(8)-(9)-(10)-(11)-(12).
- Superior Electric Co., The 8.
- Tecneek Associates 4-8-11.
- Tequipment Mfg. Co. Ltd. 3.
- Telex, Inc. 2-3-4.
- Tenatronics Ltd. 3-6-10.
- Thompson Ltd., Chas. L. 2-3-6.
- Tilton Ltd., J. R. 8.
- Tregaskiss Sales Co., Wm. 1-12.
- Triad Transformer Corp. 2-3-4-5-6-9-10.
- Varah Ltd., L. A. 2-3-4-5-6-7-8-10-11.
- Vari-L Co., Inc. 7.
- Vickers Inc., Electric Products Div. 7.
- Waterloo Electronics Supply Co. Ltd. 3-4-5-6-10.
- Westbury Electronics, Inc. 2-3-4-5-6-7.
- Western Agencies Ltd. 3-4-6-8-10-11.
- Whiteley Electrical Radio Co. Ltd. 2-3-4-6.
- Wholesale Radio & Electronics Ltd. 1-3-4-5-6-8-10-11.
- Willard Spenser Co. 1-2-3-4-6-8-9-10-11-12.

- Canadian Aviation Electronics Ltd. (11).
- Canadian Electrical Supply Co. Ltd. 1-3-4-7-8-9-12-14-15.
- Canadian Electronics Ltd. 1.
- Canadian Research Institute (4).
- Coil Winders, Inc. 3-7-9-11-12.
- Constellation Components Co. 7.
- Conway Electronics Enterprises Reg'd 1-3-4-5-6-7-8-9-11-12-13-16.
- Crawford Radio, The 3-7.
- A/S Danavox 7.
- Daveco Agencies Ltd. 12.
- Davis Automatic Controls Ltd. 4.
- Daystrom, Ltd. 4.
- Deskin Sales Co., A. 8-11-12.
- Durakool, Inc. 11.
- ESC Corp. 7-11-15.
- Electroline Television Equipment Inc. 12-15.
- Electromechanical Products 6-11.
- Electro Sonic Supply Co. Ltd. 1-3-4-7-10-12-14-15-16.
- Ellis Industries, The J. W. 4.
- Engineered Magnetics Div., Gulton Industries Inc. 3.
- English Electric Co. Ltd., The 2-3-4-7-8-11-12.
- Erie Resistor Corp. 11.
- Essex Electronics of Canada Ltd. (11)-(12).
- Ferrotran Electronics Co., Inc. 7-12.
- Filtron Company, Inc. 11.
- General Instrument — F. W. Sickles of Canada Ltd. (1)-(6)-(7)-(8)-(9)-(10)-(11)-(12)-(13)-(14)-(15)-(16).
- Glendon Co. Ltd., The 1-3-14.
- Gomard Electronics Ltd. (1)-(2)-(14)-(16).
- Gould Sales Co., E. S. 7-8-10-11.
- Hackbusch Electronics Ltd. 3-8-11-12.
- Hammond Mfg. Co. Ltd. (3)-(7)-(8)-(9)-(11)-(13)-(14)-(16).
- Hamilton Watch Co. 11.
- Honeywell Controls Ltd. (4).
- Hummel, William M. 7.
- Instron Corp. 3.
- Intronics Ltd. 12.
- Jensen Speakers, Div. of Renfrew Electric Co. Ltd. (7).
- Jerrold Electronics (Canada) Ltd. (15).
- Kahmert Sales Ltd., R. C. 1-4-7-11-14.
- Kelvin Electric Co. 4-7-8-9-10.
- Kidde & Co. of Canada Ltd., Walter (7)-(11).
- Knopp Inc. 4-8.
- Leonard Electric Ltd. 7-11.
- Lomas, E. G. 11.
- Mack Co. Ltd., R. 7.
- MacQuarrie Sales, J. J. 3-4-7-8-12.
- Marconi's Wireless Telegraph Co. Ltd. 3-12.
- Merritt Co., Ron 1-3-4-7-8-12-14.
- Micarta Fabricators Ltd. (11).
- Microwave Systems 6.
- Mitchell Electronics, J. C. E. 3-4-7-12.
- Moloney Electric Co. of Canada Ltd. (2)-(3)-(4)-(9)-(11).
- Murphy Radio Ltd. 4-7-11.
- New England Transformer Co. Inc. 10-11.
- New York Coll Co. 3-4-7-8-12.
- North Hills Electric Co. Inc. 11-12-16.
- Osborne Electric Co. Ltd. (2)-(3)-(9).
- Oxford Components, Div. Oxford Electric Corp. 3-4-7-8-9-10.
- Partridge Transformers Ltd. 3-4-7-8-9.
- Payette Radio Ltd. 1-3-12-14.
- Perkin Engineering Corp. 3.
- Peschel Electronics, Inc. 3.
- Philips Electronics Industries Ltd. (3).
- Plessey Co. of Canada Ltd. (1)-(10).
- Pointon Ltd., Charles W. 1-3-4-10-12-14.
- Polyphase Instrument Co. 7-11.
- Radio Trade Supply Ltd. 1-2-3-4-7-10-11-12-15.
- Railway & Power Engineering Corp. Ltd. 9.
- Ram Electronics, Inc. 1-3-8-10-11-14.
- Randall (Canada) Ltd., Douglas (4)-(7)-(8)-(10)-(11)-(13)-(16).
- Rank Cintel Ltd. 14-15.
- Raypar, Inc. 1-3-12-14-15.
- Raytheon Canada Ltd. (11).
- Robinson Co., C. M. 1-10-11-12-14-15.
- Rogers Electronic Tubes & Components (12).

**Transformer Windings**

Transformer Windings ..... 1

- Acme Electric Corp. Ltd. (1).
- Adams Engineering Ltd. 1.
- Amos of Exeter Ltd. 1.
- Arnold Magnetics Corp. 1.
- Coll Winders, Inc. 1.
- Conway Electronic Enterprises Reg'd 1.
- Deskin Sales Co., A. 1.
- Dresser Electric Ltd. (1).
- Durakool, Inc. 1.
- Ferrotran Electronics Co., Inc. 1.
- Frost (Canada) Ltd., L. H. (1).
- Hammond Mfg. Co. Ltd. (1).
- Instron Corp. 1.
- Jensen Speakers, Div. of Renfrew Electric Co. Ltd. (1).
- Lucas-Rotax Ltd. (1).
- Moloney Electric Co. of Canada Ltd. (1).
- New England Transformer Co. Inc. 1.
- New York Coll Co. 1.
- Partridge Transformers Ltd. 1.
- Peschel Electronics, Inc. 1.
- Phillips Electrical Co. Ltd. (1).
- Ram Electronics, Inc. 1.
- Randall (Canada) Ltd., Douglas (1).
- Raypar, Inc. 1.
- Ruhstrat, Gebr. 1.
- Southwestern Industrial Electronics Co. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. (1).
- Standard Television Products Ltd. (1).
- Triad Transformer Corp. 1.
- Westbury Electronics, Inc. 1.
- Whiteley Electrical Radio Co. Ltd. 1.

**Transformers, Audio**

|   |    |
|---|----|
| Current Limiting .....                      | 1  |
| 400 Cycle .....                             | 2  |
| Input, Output or interstage Isolation ..... | 3  |
| Modulator .....                             | 4  |
| Plate, Filament or Bias .....               | 5  |
| Saturable .....                             | 7  |
| Variable .....                              | 8  |
| Very Low Frequency .....                    | 9  |
| Power .....                                 | 8  |
| Vibrator .....                              | 10 |
| Voltage Regulating .....                    | 11 |
| Welding .....                               | 12 |
| X-Ray .....                                 | 13 |

- Acme Electric Corp. Ltd. (1)-(2)-(3)-(4)-(5)-(6)-(7)-(10)-(11).
- Acme Electric Corp. 2-3-4-5-6-7-8-9-10-11-12-13.
- Adams Engineering Ltd. 2-3-5-6-7-8-10-11.
- Aircraft Appliances & Equipment Ltd. 2.
- Alpax Electronics Inc. 2-9-10.
- Allanson Armature Mfg. Co. (1)-(4)-(6)-(9).
- Alpha Aracon Radio Co. Ltd. 3-4-5-6-7-8-9-10-11.

**Transformers**

|  |    |
|--|----|
| Fly Back .....                             | 1  |
| Foil Wound .....                           | 2  |
| High Voltage Power Supply Instrument ..... | 3  |
| Matrix .....                               | 4  |
| Microwave .....                            | 5  |
| Miniature .....                            | 6  |
| Precision Matched .....                    | 7  |
| Precision Voltage Dividing .....           | 8  |
| Printed Circuit .....                      | 9  |
| Pulse .....                                | 10 |
| R-F and I-F .....                          | 11 |
| Subsonic .....                             | 12 |
| TV Deflection .....                        | 13 |
| TV Impedance Matching .....                | 14 |
| Ultrasonic .....                           | 15 |

- Acme Electric Corp. Ltd. (3)-(6)-(7)-(11)-(15).
- Acme Electric Corp. 2-3-4-5-6-7-8-9-10-11-13-15-16.
- Active Radio & TV Ltd. 1.
- Aircraft-Marine Products of Canada, Ltd. (11).
- Airtron Canada Ltd. (6).
- Airtron Inc., A Div. of Litton Industries 6.
- Aladdin Electronics 11-12.
- Allanson Armature Mfg. Co. Ltd. (3).
- Alpha Aracon Radio Co. Ltd. 1-3-4-7-8-10-14-15.
- Altec Lansing Corp. 3-5-7-8-9-11.
- American Superior Electric Co., Ltd. (3)-(9).
- Amos of Exeter Ltd. 3-7-8-9-10.
- Amplivox (Canada) Ltd. (7).
- Annis Co., R. B. 4.
- Armstrong Ltd., A. T. R. (11)-(12).
- Arnold Magnetics Corp. 4-7.
- Associated Electronic Components Ltd. 1-3-4-7-10-11-12-14-15.
- Associated Research, Inc. 4.
- Automatic Coil Mfg. Co. (1)-(12).
- Automatic Coil Co. Inc. 12.
- Aviation Electric Ltd. 4.
- Bach-Simpson Ltd. (4).
- Baily Engineering Ltd. (4).
- Beechey Enterprises 9.
- Bern and Company Ltd., Lee 1-7-12-14.
- Blonder-Tongue Laboratories, Inc. 15.
- Brown Boveri (Canada) Ltd. (3).
- Burgess, Norris 12-15.
- CBC Electronics Co., Inc. 11.

- Sangamo Electric Co. 4-7-8-9-10-11-12.
- Servomechanisms (Canada) Ltd. 7.
- Smallwood Ltd., S. G. (1)-(10)-(12)-(15).
- Smyth Electronic Components Ltd. 4.
- Sola Electric (Canada) Ltd. (3)-(4).
- Southwestern Industrial Electronics Co. 3-7-8-9.
- Spivey, Inc., James S. 11.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. (10).
- Standard Television Products Ltd. (3)-(4)-(7)-(8)-(9)-(10)-(11).
- Stanwyck Coil Products Ltd. (7)-(10)-(11)-(12).
- Stratton & Co. Ltd. 12.
- Superior Electric Co., The 4.
- T.M.C. (Canada) Ltd. (12).
- Teleguipment Mfg. Co. Ltd. 1-12-14-15.
- Telex, Inc. 7-11.
- Tenatronics Ltd. 3.
- Texas Instruments Incorporated 7.
- Tilton Ltd., John R. 12.
- Titania Electric Corp. of Canada Ltd. 16.
- Transonic Ltd. (13)-(16).
- Tregaskiss Sales Co., Wm. 5-8.
- Triad Transformer Corp. 3-4-7-8-10-11-13-16.
- Valor Instruments, Inc. 7-11-12.
- Varah Ltd., L. A. 3-4-7-8-10-12.
- Waterloo Electronics Supply Co. Ltd. 1-3-10-12-14-15.
- Westbury Electronics (Canada) Ltd. 15.
- Westbury Electronics, Inc. 2-3-11.
- Western Agencies Ltd. 1-7-12-14-15.
- Whiteley Electrical Radio Co. Ltd. 1-7-10-11-12.
- Wholesale Radio & Electronics Ltd. 1-3-4-7-8-14.
- Willard Spenser Co. 3-4-5-7-8-9-12.
- Micarta Fabricators Ltd. (1).
- Pacific Semiconductor, Inc. 4-5.
- Payette Radio Ltd. 1-2-3-4-5.
- Philco Corp. of Canada Ltd. 1-2-4-5.
- Phillips Electronics Industries Ltd. (1)-(2)-(4).
- Plesco Co. of Canada Ltd. (4).
- R-O-R Associates Ltd. 1-4-6.
- Radio Trade Supply Ltd. 1-2-3-4-5-6.
- Raytheon Canada Ltd. (1)-(4).
- Robinson Co., C. M. 4.
- Rogers Electronic Tubes & Components (1)-(2)-(3)-(4)-(5).
- Sheppard, R. D. B. 4-5.
- Siemens Edison Swan (Canada) Ltd. 1-2-4-5.
- Smyth Electronic Components Ltd. 1-3.
- Sperry Gyroscope Co. of Canada Ltd. 4.
- Sylvania Electric (Canada) Ltd. 1-2-3-4-5-6.
- Taylor-Leslie Mining & Engineering Corp. Ltd. 1-2-3-4-5.
- Tenatronics Ltd. 5.
- Texas Instruments Incorporated 7.
- Texas Instruments Incorporated, Semiconductor Components Div. 1-2-3-4-5-6.
- Tilton Ltd., John R. 1-2-4-5.
- Transitron Electronic Corp. 1-4.
- Varah Ltd., L. A. 1-2-4-5.
- Waterloo Electronics Supply Co. Ltd. 1-2-4-5.
- Western Agencies Ltd. 1-2-3-4-5-6.
- Wholesale Radio & Electronics Ltd. 1-2-4-5.

### Transmitters

|                       |    |
|-----------------------|----|
| Aircraft              | 1  |
| Amateur               | 2  |
| Broadcast             | 3  |
| Color Television      | 4  |
| Direction Finding     | 5  |
| F-M                   | 6  |
| Facsimile             | 7  |
| Fixed Frequency       | 8  |
| Fixed Station         | 9  |
| Communication         | 9  |
| Loran                 | 10 |
| Marine                | 11 |
| Microwave             | 12 |
| Multiplex             | 13 |
| Portable & Mobile     | 14 |
| Radio-telephone       | 14 |
| Pulse Time Modulation | 15 |
| Radar                 | 16 |
| Radio Range           | 17 |
| Railroad              | 18 |
| Single Side Band      | 19 |
| Television            | 20 |
| UHF                   | 21 |
| VHF                   | 22 |
| VHF Omnidirectional   | 23 |
| VLF                   | 24 |

- Aeronautical Electronics, Inc. 9-14-18-22.
- Aharn and Soper Co. Ltd. 2-3-4-5-6-8-9-13-14-19-20-21-22-23-24.
- Alpha Aracon Radio Co. Ltd. 2.
- American Electronics Co. 2.
- Armstrong Ltd., A. T. R. (2).
- Automatic Telephone & Electric Co. Ltd. 7-8-9-19-21-22-24.
- Aviation Electric Ltd. 1-11.
- Aviation Electric Pacific Ltd. 1-6-8-9-14-18-21-22.
- Avtex Systems Engineering Ltd. (1)-(2)-(8)-(9)-(14)-(19)-(22).
- Barvic Engineering Ltd. 4-9-11-14-22.
- Beaconing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (5)-(9)-(12)-(16)-(19)-(21)-(22)-(23).
- Bendix Aviation Corp., Bendix-Pacific Div. 6-11-16.
- Blunt Ltd., L. G. 12.
- Brown Boveri (Canada) Ltd. (3)-(6)-(8)-(9)-(12)-(13)-(14)-(15)-(20)-(21)-(22)-(23)-(24).
- Buckland Co., Robert J. 2-11-14-19.
- Budelman Electronics Corp. 6-8-9-12-13-21-22.
- C. G. Electronics Corp. 12-15-21-22.
- Caldwell A/V Equipment Co. Ltd. 14-20-22.
- Canadian Electrical Supply Co. Ltd. 2.
- Canadian Electronics Ltd. 2-9-11-14-18-19.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. (3)-(4)-(6)-(7)-8-9-11-12-13-(14)-(16)-(18)-(20)-(21)-(22).

### Transistors

|                  |   |
|------------------|---|
| Germanium        | 1 |
| Germanium, Power | 2 |
| Photo            | 3 |
| Silicon          | 4 |
| Silicon, Power   | 5 |
| Tetrode          | 6 |

- Abbey Electronics Ltd. 1-2-4-5.
- Adams Engineering Ltd. 1-2-4-5.
- Aeromotive Engineering Products Ltd. 1-2-4-5.
- Aharn and Soper Co. Ltd. 1-2-3-4-5-6.
- Alpha Aracon Radio Co. Ltd. 1-2-3-4-5-6.
- Amperex Electronic Corp. 1-2-3-4.
- Armstrong Ltd., A. T. R. (5).
- Associated Electrical Industries (Canada) Ltd. (1)-(2)-(4)-(5).
- Beckman Instruments Inc. (6).
- Bendix Aviation Corp. 1-2.
- Bern and Company Ltd., Lee 1-4.
- CBS Electronics, A Div. of Columbia Broadcasting System, Inc. 1-2.
- Canadian Electrical Supply Co. Ltd. 1-2-4-5.
- Canadian Electronics Ltd. 1-2-4-5.
- Canadian General Electric Co. Ltd., Electronic Tube Section (Radiovalve Co. Ltd.) 1-2-3-4-5-6.
- Canadian Motorola Electronics Ltd. (1)-(2)-(6).
- Canadian Westinghouse Co. Ltd., Electronic Tube Div. (1)-(2)-(3)-(4)-(5)-(6).
- Clark Ltd., Alex L. 5.
- Clevite Transistor Products 2.
- Computing Devices of Canada Ltd. 1-2.
- Cornell-Dubilier Electric Corp. 1.
- Crawford Radio, The 1-2.
- Desser E-E Ltd. 1-3-4.
- Electro Sonic Supply Co. Ltd. 1-2-3-4-5-6.
- Finkler Ltd., Len 1.
- General Transistor Corp. 1-3-4.
- Glendon Co. Ltd., The 1-2-5.
- Hackbusch Electronics Ltd. 1-2-3-4-5-6.
- Honeywell Controls Ltd. (1).
- Hughes Products/Semiconductor Div., Hughes Aircraft Co. 1-4.
- Lansdale Tube Co., Div. of Philco Corp. 1-2-4.
- Lomas, E. G. 4...

- Canadian Marconi Co. 3-4-6-9-(11)-(12)-14-(16)-17-20-(21)-(22).
- Canadian Motorola Electronics Ltd. (9)-(12)-(13)-(14)-(18)-19-(21)-(22).
- Canadian Westinghouse Co. Ltd. (12).
- Carriere and MacFeeters Ltd. 1.
- Chisholm Industries Ltd. (3)-(6)-(8)-(9)-(11)-(14).
- Collins Radio Co. of Canada Ltd. (1)-(2)-(3)-6-(8)-(9)-(12)-(13)-(19)-(21)-(22)-(23).
- Computing Devices of Canada Ltd. 1-14-18.
- Control Electronics Co., Inc. 15-19-21.
- Conway Electronic Enterprises Reg'd 2-14.
- Crawford Radio, The 2-19.
- Creed & Co. Ltd. 7.
- Daystrom, Ltd. 2-14-19.
- Daystrom Instrument, Div. of Daystrom, Inc. 16.
- Decca Radar (Canada) Ltd. (7)-16.
- Dell Radio Telephone Ltd. 6-8-9-14-22-23.
- Diamond Power Specialty Corp., Electronics Div. 8.
- Dorsett Laboratories, Inc. 6.
- E.M.I.-Cossor Electronics Ltd. (3)-(4)-(6)-(9)-(14)-(16)-(17)-20-(21)-(22)-(23).
- E.M.I. Electronics Ltd. 3-4-6-20-21-22.
- Electroline Television Equipment Inc. 20.
- Electromechanical Products 8-9-12-13-16.
- Electronic Instrument Co., Inc. 2.
- Electronic Materiels International Ltd. (1)-(8)-(9)-(10)-(14)-(21)-(22)-(23)-(24).
- Electronic Research & Development Co. Ltd. (6)-(8)-(9)-12-(13)-(14)-18-19-20-(21)-(22).
- Electro Sonic Supply Co. Ltd. 2-5-8-9-14-19-21-22-23.
- Engineered Sound Systems Ltd. 2-9-11-14.
- FXR Inc. 12-15.
- Foster & Sons Ltd., Anthony 1.
- Geerz & Holm Canada Ltd. 1-14.
- General Communication Co. 16.
- Globe Electronics Inc. 2-14.
- Gould Sales Co., E. S. 2.
- Hackbusch Electronics Ltd. 12.
- Hart Electronics Ltd. 1-5-6-9-11-14-16-18-19-23-24.
- Instronics Ltd. 8-9-14-19.
- International Systems Ltd. 1-(6)-(8)-(9)-(14)-19-(22).
- Jerrold Electronics (Canada) Ltd. (20).
- Johnson Co., E. F. 2-9-14-19.
- Kaar Engineering Corp. 1-9-11-14-21-22.
- Kahnert Sales Ltd., R. C. 2.
- Kay Electric Co. 4-6-22.
- Kelvin & Hughes (Canada) Ltd. 16.
- LEL, Inc. 14.
- Lenkurt Electric Co. of Canada Ltd. (12)-(13)-(14)-(19).
- Levinthal Electronic Products, Inc. 12-16-21-22.
- Manson Laboratories, Inc. 12-16-21.
- Marconi's Wireless Telegraph Co. Ltd. 1-3-4-5-6-8-9-11-12-13-14-16-17-19-20-21-22-23.
- Measurement Engineering Ltd. (8)-(9)-(11).
- Merritt Co., Ron 2.
- Microwave Systems 13.
- Multi-Products Co. 2-11-14.
- Murphy Radio Ltd. 1-8-9-11-14-16-22.
- Nems-Clarke Co., Div. of Vitro Corp. of America 6-8-21-22-23-24.
- Northern Electric Co. Ltd. 3-6-20.
- Payette Radio Ltd. 2.
- Peacock Bros. Ltd. 15.
- Phillips Electronics Industries Ltd. 3-4-(6)-(8)-(9)-12-13-(14)-(19)-20-(21)-(22)-(24).
- Pye Canada Ltd., Transmission Div. 3-4-6-12-20-22.
- RCA Victor Co. Ltd. (3)-(4)-(6)-(8)-(9)-(11)-(14)-(16)-(17)-(19)-(20)-(21)-(22)-(23)-(24).
- Racal Engineering Ltd. 8-9-14-19.
- Radiation, Inc. 6.
- Radionics Ltd. 4-6-12.
- Radio Trade Supply Ltd. 2.
- Railway & Power Engineering Corp. Ltd. 1-22-23.
- Raytheon Canada Ltd. (11)-(12)-(16).
- Redifon Canada, A Div. of Redifusion Inc. 3-5-6-7-8-9-10-11-14-17-19.
- Redifon Ltd. 5-6-8-9-11-13-14-19-22-23.

- Research Instrumentations Ltd. (2)-(3)-(6)-(8)-(9)-(11)-(14).
- Sarkes Tarzian, Inc. 4-12-20-22.
- Scientific-Atlanta, Inc. 12.
- Sierra Electronic Corp. 8-9-12-21-22-24.
- Simmonds Aerocessories, Inc. 5-15-21.
- Spartan of Canada Ltd. 22.
- Spillsbury & Tindall Ltd. (6)-(9)-(11)-(14)-(22).
- Spivey, Inc., James S. 22.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 3-6-8-9-11-12-13-14-15-(17)-19-20-21-(22)-(23)-(24).
- T.M.C. (Canada) Ltd. (2)-(7)-(8)-(9)-(11)-(13)-(14)-(19).
- Tele-Radio Systems Ltd. 1-2-3-6-8-9-11-12-13-14-17-18-19-20-21-22-23-24.
- Texas Instruments Incorporated 6.
- Tilton Ltd., John R. 2.
- Topping Electronics Ltd., F. V. (8)-(9)-(11)-(14).
- Waterloo Electronics Supply Co. Ltd. 2.
- Wholesale Radio & Electronics Ltd. 2-19.
- Willard Spenser Co. 1-5-6-12-13-16.

### Transponders

|  |   |
|--|---|
| Transponders                                   | 1 |
| Bendix Aviation Corp., Bendix-Pacific Div. 1.  |   |
| Collins Radio Co. of Canada Ltd. (1).          |   |
| Ferrotran Electronics Co., Inc. 1.             |   |
| General Communication Co. 1.                   |   |
| Hackbusch Electronics Ltd. 1.                  |   |
| LEL, Inc. 1.                                   |   |
| Murphy Radio Ltd. 1.                           |   |
| Ralph M. Parsons Co., The, Electronics Div. 1. |   |
| Telerad Mfg. Corp. 1.                          |   |
| Texas Instruments Incorporated 1.              |   |

### Transports, Magnetic Tape

|  |  |
|--|--|
| Transports, Magnetic Tape 1  |  |
| Alpha Aracon Radio Co. Ltd. 1.   |  |
| Astral Electric Co. Ltd. 1.  |  |
| Barvic Engineering Ltd. 1.   |  |
| Canadian Electronics Ltd. 1.   |  |
| Clark Ltd., Alex L. 1.   |  |
| Conway Electronic Enterprises Reg'd 1.   |  |
| E.M.I.-Cossor Electronics Ltd. (1).  |  |
| Electro Instruments, Inc. 1.   |  |
| Electronic Materiels International Ltd. 1.                                     |  |
| Electronic Specialties (1).  |  |
| Electro Sonic Supply Co. Ltd. 1.   |  |
| Engineered Sound Systems Ltd. 1.   |  |
| Found Bros. Aviation Ltd. (1).   |  |
| General Sound & Theatre Equipment Ltd. 1.                                      |  |
| Honeywell Controls Ltd. (1).   |  |
| Industrial & Institutional Communications Ltd. 1.                              |  |
| Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 1. |  |
| Instronics Ltd. 1.   |  |
| Kahnert Sales Ltd., R. C. 1.   |  |
| Payette Radio Ltd. 1.  |  |
| Randall (Canada) Ltd., Douglas 1.  |  |
| Sangamo Electric Co. 1.  |  |
| Simmonds & Sons Ltd., A. C. (1).   |  |
| Smyth Electronic Components Ltd. 1.  |  |
| Thermionic Products (Electronics) Ltd. 1.                                      |  |
| Thompson Products Ltd. 1.  |  |
| Waterloo Electronics Supply Co. Ltd. 1.  |  |

### Traps, Wave

|  |   |
|--|---|
| Traps, Wave                              | 1 |
| Active Radio & TV Ltd. 1.                |   |
| Alpha Aracon Radio Co. Ltd. 1.           |   |
| Associated Electronic Components Ltd. 1. |   |
| Benco Television Associates Ltd. (1).    |   |
| Bern and Company Ltd., Lee 1.            |   |
| Brown Boveri (Canada) Ltd. (1).          |   |
| Burgess, Norris 1.                       |   |



|   |  |
|---|--|
| • Canadian Electrical Supply Co. Ltd. 1.  |  |
| • Canadian Electronics Ltd. 1.            |  |
| • Conway Electronic Enterprises Reg'd 1.  |  |
| • Electro Sonic Supply Co. Ltd. 1.        |  |
| • MacQuarrie Sales, J. J. 1.              |  |
| • Merritt Co., Ron 1.                     |  |
| • Mosley Electronics, Inc. 1.             |  |
| • Payette Radio Ltd. 1.                   |  |
| • Radio Trade Supply Ltd. 1.              |  |
| • Smallwood, Ltd., S. G. (1).             |  |
| • Tilton Ltd., John R. 1.                 |  |
| • Varah Ltd., L. A. 1.                    |  |
| • Waterloo Electronics Supply Co. Ltd. 1. |  |
| • Westbury Electronics, Inc. 1.           |  |
| • Western Agencies Ltd. 1.                |  |
| • Wholesale Radio & Electronics Ltd. 1.   |  |

### Treating, Fungus and Moisture Proof

|   |   |
|---|---|
| Treating, Fungus & Moisture Proof ..... | 1 |
|---|---|

|                                    |  |
|------------------------------------|--|
| • Electro Sonic Supply Co. Ltd. 1. |  |
|------------------------------------|--|

### Tube Parts

|                                |    |
|--------------------------------|----|
| Anodes .....                   | 1  |
| Base Pins .....                | 2  |
| Bases .....                    | 3  |
| Bulbs & Envelopes .....        | 4  |
| Button Stems .....             | 5  |
| Caps .....                     | 6  |
| Cathode Ray Tube Powders ..... | 7  |
| Filament Wire .....            | 8  |
| Getters .....                  | 9  |
| Grids and Supports .....       | 10 |
| Grid Wire .....                | 11 |
| Heat Radiators .....           | 12 |
| Metal Supports .....           | 13 |
| Mica Supports .....            | 14 |
| Tube Seal Leads .....          | 15 |
| Water Jackets .....            | 16 |
| Wire Parts .....               | 17 |

|  |  |
|--|--|
| • Amphenol Canada Ltd. (3)-(6).  |  |
| • Canadian Research Institute 10.  |  |
| • Dayrand Ltd. (12).   |  |
| • Diamond Power Specialty Corp., Electronics Div. 2-17.                    |  |
| • Edwards High Vacuum (Canada) Ltd. (1).                                   |  |
| • Electronic Tube Corp. 4.   |  |
| • Hummel, William M. 2-3-6-13-14.  |  |
| • Magnetic Shield Div. — Perfection Mica Co. 14.                           |  |
| • Norrich Plastics Corp., Div. Norrich Screw Machine Products 2-3-6-13-14. |  |
| • Plastiglide Ltd. 5-6.  |  |
| • Radelin Ltd. 7.  |  |
| • Radio Trade Supply Ltd. 6.   |  |
| • Sheppard, R. D. B. 11.   |  |
| • Staver Co., Inc. The 6-9-10-12-13.                                       |  |
| • Sylvania Electric (Canada) Ltd. 1-2-3-4-6-7-8-9-10-11-14-17.             |  |
| • Tenatronics Ltd. 12.   |  |
| • Waterloo Electronics Supply Co. Ltd. 12.                                 |  |
| • Y. W. Small Parts Ltd. (2).  |  |

### Tubes

|   |    |
|---|----|
| Ballast .....                           | 1  |
| Battery Charger .....                   | 2  |
| Bolometer .....                         | 3  |
| Cathode Ray .....                       | 4  |
| Instrument Use .....                    | 4  |
| Cathode Ray — TV Picture .....          | 5  |
| Ceramic .....                           | 6  |
| Counter Beam .....                      | 7  |
| Electrometer .....                      | 8  |
| Geiger Mueller .....                    | 9  |
| Glow or Discharge .....                 | 10 |
| Hearing Aid .....                       | 11 |
| Ignitron .....                          | 12 |
| Ionization .....                        | 13 |
| Klystron .....                          | 14 |
| Magnetron .....                         | 15 |
| Microwave .....                         | 16 |
| Miniature .....                         | 17 |
| Phototubes .....                        | 18 |
| Power Amplifier .....                   | 19 |
| Receiving .....                         | 20 |
| Rectifying — Gas Filled Type .....      | 21 |
| Rectifying — Vacuum Type .....          | 22 |
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| X-Ray .....   | 31 |
| • Abbey Electronics Ltd. 17-19-20-21-22-26-30.  |    |
| • Adams Engineering Ltd. 4.   |    |
| • Ahearn and Soper Co. Ltd. 4-6-9-10-12-14-15-16-17-19-20-21-22-26-27-30-31.  |    |
| • Aktiebolaget Svenska Elektronor 16-17-20.   |    |
| • Alpha Aracon Radio Co. Ltd. 1-2-4-5-6-9-10-11-12-14-15-16-17-18-19-20-21-22-23-24-26-30.  |    |
| • American Superior Electric Co., Ltd. (30).  |    |
| • Ampere Electronic Corp. 4-6-7-9-10-11-12-14-15-16-17-18-19-20-21-22-26-30-31.   |    |
| • ARVA Inc. (14).   |    |
| • Associated Electrical Industries (Canada) Ltd. (12)-(14)-(15)-(19)-(21)-(22)-(26).  |    |
| • Atlas Radio Corp. Ltd. 1-14-17-18-21-22-26.   |    |
| • Aviation Electric Pacific Ltd. 4.   |    |
| • Baird-Atomic, Inc. 3-4-7-10-30.   |    |
| • Barvic Engineering Ltd. 25.   |    |
| • Bayly Engineering Ltd. 4-18-23.   |    |
| • Bern and Company Ltd., Lee 1-5-18-20.   |    |
| • Blunt Ltd., L. G. 5-25.   |    |
| • Bomac Laboratories, Inc. 14-15-16-28.   |    |
| • Braun-Knecht-Helmann Co., Glass Engineering Dept. 9.  |    |
| • Brown Boveri (Canada) Ltd. (15)-(16)-(19)-(21)-(26).  |    |
| • Burlec Sales Ltd. 21-22-26.   |    |
| • Burroughs Corp. — Electronic Tube Div. 7-10.  |    |
| • CBS Electronics, A Div. of Columbia Broadcasting System, Inc. 4-17-18-19-20-22-30.  |    |
| • Caldwell A/V Equipment Co. Ltd. 25.   |    |
| • Canadian Electrical Supply Co. Ltd. 1-2-4-5-7-11-12-14-15-17-18-19-20-21-22-26-30.  |    |
| • Canadian Electronics Ltd. 1-2-4-5-7-9-12-14-15-18-19-20-22-26-30.   |    |
| • Canadian General Electric Co. Ltd., Electronic Tube Section (Radiovalve Co. Ltd.) 1-2-3-(4)-(5)-6-7-8-9-10-11-12-13-14-15-16-17-18-19-(20)-(21)-(22)-(23)-24-25-26-27-28-29-30. |    |
| • Canadian Marconi Co. 14-(15)-(16)-25-(29).  |    |
| • Canadian Marconi Co., Electronic Tube & Components Div. 1-2-(4)-(5)-6-(7)-(10)-(11)-12-14-(15)-(16)-(17)-(18)-(19)-(20)-(21)-(22)-23-25-26-27-(29)-30-31.                       |    |
| • Canadian Westinghouse Co. Ltd. (1)-(2)-(3)-(4)-(5)-(10)-(12)-(17)-(18)-(19)-(20)-(21)-(22)-(26)-(30).   |    |
| • Canadian Westinghouse Co. Ltd., Electronic Tube Div. 1-2-3-(4)-(5)-(6)-7-8-9-10-11-(12)-(13)-(14)-(15)-(16)-(17)-18-(19)-(20)-(21)-(22)-(23)-(24)-(25)-26-27-28-29-30-31.       |    |
| • Central Electronic Manufacturers 10-13-16-19-22-27.   |    |
| • Chicago Miniature Lamp Works 1-10-24.   |    |
| • Clarostat Mfg. Co., Inc. 1.   |    |
| • Computing Devices of Canada Ltd. 19-20.   |    |
| • Conway Electronic Enterprises Reg'd 3-4-5-6-7-8-9-10-13-14-15-16-17-18-20-21-22-24-26-27-28-30-31.  |    |
| • Crawford Radio, The 5-17-18-19-20-21-22-26.   |    |
| • Diamond Power Specialty Corp., Electronics Div. 5-18-25.  |    |
| • E.M.I.-Cossor Electronics Ltd. (1)-(2)-(3)-(4)-(5)-(13)-(14)-(15)-(16)-(17)-(18)-(19)-(20)-(21)-(22)-(23)-(24)-(25).  |    |
| • E.M.I. Electronics Ltd. 4-6-8-9-14-15-16-18-19-22-23-25-29-30.  |    |
| • Edwards High Vacuum Canada Ltd. (10).   |    |
| • Eitel-McCullough, Inc. 6-14-16-19-21-22-29.   |    |
| • Electronic Associates Ltd. (9).   |    |
| • Electrodesign 8-9-20-30.  |    |
| • Electromechanical Products 9-13.  |    |
| • Electronic Tube Corp. 4.  |    |
| • Electrons, Inc. 19-21-26.   |    |
| • Electro Sonic Supply Co. Ltd. 1-2-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31.  |    |
| • Emerson & Cuming, Inc. 6.   |    |
| • English Electric Valve Co. Ltd. 4-5-6-12-14-15-16-19-21-22-23-25-26-29-30.  |    |

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| • Ericsson Telephone Sales of Canada Ltd. (16)-(17)-(20).   |  |
| • Etelco Canada Ltd. 7-10-30.   |  |
| • General Electrodynamics Corp. 4-18-23-25.   |  |
| • General Radio Co. 14.   |  |
| • General Sound & Theatre Equipment Ltd. 1-5-12-13-14-15-16-18-19-20-21-22-25-26-30.  |  |
| • Huggins Laboratories, Inc. 16-29.   |  |
| • Hughes Products 4-10-13-16-21-22-23-26-29-30.   |  |
| • Hummel, William M. 17.  |  |
| • Industrial & Institutional Communications Ltd. 19.  |  |
| • International Telephone & Telegraph Corp., Components Div. 6-16-19-21-22-23-26-29.  |  |
| • Kelvin & Hughes (Canada) Ltd. 14-15-17-19.  |  |
| • Kip Electronics Corp. 1-3-10-13-17-26-30.   |  |
| • Lake Engineering Co. Ltd. 6-16-19-23-29.  |  |
| • Landsverk Electrometer Co. 9.   |  |
| • Lansdale Tube Co., Div. of Philco Corp. 4-5-17-19-20-27.  |  |
| • Lomas, E. G. 15-16-17-20-27.  |  |
| • Mack Co. Ltd., R. 13-17-20-21-22.   |  |
| • Marconi's Wireless Telegraph Co. Ltd. 12-14-15-16-20-21-22-25-26-29.  |  |
| • Microwave Associates, Inc. 15.  |  |
| • National Electronics, Inc. 12-21-26.  |  |
| • National Semiconductors Ltd. (18).  |  |
| • National Union Electric Corp., Electronics Div. 4-10-23-30.   |  |
| • Norrich Plastics Corp., Div. Norrich Screw Machine Products 17.   |  |
| • Nuclear-Chicago Corp. 9.  |  |
| • Payette Radio Ltd. 1-2-4-5-11-12-14-15-16-17-18-19-20-21-26-30.   |  |
| • Penta Laboratories, Inc. 19-22-26.  |  |
| • Philips Electronics Industries Ltd. (7)-(8)-(9)-(13)-(17)-(18)-(19)-(20)-(21)-(22)-(31).  |  |
| • Polarad Electronics Corp. 6-14.   |  |
| • Pye Canada Ltd., Transmission Div. (25).  |  |
| • R-O-R Associates Ltd. 4-14-15-16-21-23-27-29.   |  |
| • Radiation Research Corporation 30.  |  |
| • Radionics Ltd. 8-9-10-13-14-16-29-30.   |  |
| • Radio Trade Supply Ltd. 1-2-11-12-16-17-18-19-20-21-22-24-25-26-30-31.  |  |
| • Rank Cintel Ltd. 4-5-9-18.  |  |
| • Raytheon Canada Ltd. (4)-(8)-(9)-(10)-(11)-(13)-(14)-(15)-(16)-(17)-(18)-(19)-(20)-(21)-(22)-(23)-(29)-(30)-(31).                                 |  |
| • Rogers Electronic Tubes & Components (1)-(2)-(4)-(5)-(7)-(8)-(9)-(10)-(11)-(12)-(13)-(14)-(15)-(16)-(17)-(18)-(19)-(20)-(21)-(22)-(26)-(29)-(30). |  |
| • Siemens Edison Swan (Canada) Ltd. 2-4-5-18-19-20-21-22-26-30.   |  |
| • Sheppard, R. D. B. 6-14-16-19-21-22-29.   |  |
| • Smith & Stone Ltd. (6).   |  |
| • Sperry Gyroscope Co. of Canada Ltd. 3-14-29.  |  |
| • Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1-4-7-10-11-13-14-16-17-18-19-20-21-22-23-26-29-30.   |  |
| • Stark Electronic Sales Co. 9-13-30.   |  |
| • Sylvania Electric (Canada) Ltd. 4-5-7-10-12-14-15-16-17-19-20-21-22-24-25-26-27-29-30.  |  |
| • Tektronix Inc. (4).   |  |
| • Thomas Electronics, Inc. 5.   |  |
| • Thompson Ltd., Chas. L. 12-14-15-19-20-26.  |  |
| • Thompson Products Ltd. 25.  |  |
| • Tilton Ltd., John R. 11-12-14-15-17-26-29.  |  |
| • Tregaskiss Sales Co., William 12-19-21-26.  |  |
| • United Insulator Div. of The Telegraph Condenser Co. Ltd. 6.  |  |
| • Varah Ltd., L. A. 1-2-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30.   |  |
| • Varian Associates of Canada Ltd. (14)-(19)-(29).  |  |
| • Veeco Vacuum Corp. 10-13.   |  |
| • Waterloo Electronics Supply Co. Ltd. 1-4-5-10-11-12-17-18-20-21-22.   |  |
| • Waterman Products Co., Inc. 4.  |  |
| • Western Agencies Ltd. 1-2-4-5-11-12-13-14-15-16-17-18-19-20-21-22-24-26.  |  |
| • Wholesale Radio & Electronics Ltd. 1-2-4-5-6-7-11-12-17-18-19-20-21-22-26.  |  |

### Tubing

|   |    |
|---|----|
| Aluminum .....  | 1  |
| Brass or Copper .....   | 2  |
| Ceramic .....   | 3  |
| Fabric .....  | 4  |
| Fibre .....   | 5  |
| Flexible Metal .....  | 6  |
| Fused Quartz .....  | 7  |
| Glass Fibre Insulation .....                                      | 8  |
| Metal and Alloy .....   | 9  |
| Mica .....  | 10 |
| Molybdenum .....  | 11 |
| Nickel .....  | 12 |
| Paper .....   | 13 |
| Plastic .....   | 14 |
| Precious Metal .....  | 15 |
| Steel .....   | 16 |
| Synthetic Resin .....   | 17 |
| Tantalum .....  | 18 |
| Titanium .....  | 19 |
| Tungsten .....  | 20 |
| Varnished or Lacquered .....                                      | 21 |
| Varnished Cambric .....   | 21 |
| Insulation .....  | 22 |
| Waveguide .....   | 23 |
| Woven or Knitted Wire .....                                       | 24 |
| Aircom Inc. 23.   |    |
| • Airtron Canada Ltd. (23).                                       |    |
| • Airtron Inc., A Div. of Litton Industries 6-23.                 |    |
| • Alloy Metal Sales Ltd. 1-9-16-19-23.                            |    |
| • Alpha Aracon Radio Co. Ltd. 16.                                 |    |
| • Alpha Wire Corp. 8-14-22-24.                                    |    |
| • Aluminum Co. of Canada, Ltd. (ALCAN) (1).                       |    |
| • Andersen & Co. Ltd., A. A. 5-14-21-22.                          |    |
| • Astral Electric Co., Ltd. 21-22.                                |    |
| • Avon Tube Div., Higbie Mfg. Co. 16.                             |    |
| • Barron, William T. 4-8-14-21-22.                                |    |
| • Bentley-Harris Mfg. Co. 8-14-21.                                |    |
| • Birnback Radio Co., Inc. 8-14-17-21-22.                         |    |
| • Borden Chemical Co., A Div. of The Borden Co. 14-17.            |    |
| • Borden Chemical Co. — Resinite Dept. 8-14.                      |    |
| • Brand & Co., Inc., William 8-14-21-22.                          |    |
| • Canadian Electronics Ltd. 5-14.                                 |    |
| • Canadian Pittsburgh Industries Ltd. 8.                          |    |
| • Canadian Research Institute 1-2-9-12.                           |    |
| • Carter Ltd., James B. 2.  |    |
| • Centralab Div. of Globe Union Inc. 3.                           |    |
| • Clarke & Co. (Manchester) Ltd., H. 4-8-10-17-22.                |    |
| • Cleveland Container Co. 5-13-14-21.                             |    |
| • Continental-Diamond Fibre of Canada Ltd. (4)-(5)-(8)-(10)-(14). |    |
| • Co-Operative Industries, Inc. 6.                                |    |
| • Crawford Radio, The 21-22.                                      |    |
| • Crucible Steel Co. of America 9-12-16-19.                       |    |
| • Dayrand Ltd. 2.   |    |
| • Deskin Sales Co., A. 14.  |    |
| • Du Pont of Canada Ltd. (14).                                    |    |
| • Dycon Ltd. 16.  |    |
| • Electro Sonic Supply Co. Ltd. 4-5-8-14-17-21-22-24.             |    |
| • Emerson Plastics Corp. 8-14.                                    |    |
| • Enflo Inc. 14.  |    |
| • Engelhard Industries of Canada Ltd. 7-(15)-23.                  |    |
| • Flier-Smith Machinery Co. Ltd. 5-8-14-17-21-22.                 |    |
| • Fischer & Porter Co. 7.   |    |
| • Flexonics Corp. of Canada Ltd. (6).                             |    |
| • Garlock Packing Co., The 14.                                    |    |
| • General Electric Co. 8-14-17.                                   |    |
| • General Wire & Cable Co. (14).                                  |    |
| • Gilchrist Ltd., Andrew 8-10-14-21-22.                           |    |
| • Goodrich Canada Ltd., B. F. (14).                               |    |
| • Hathaway, Kraemer Ltd. 14.                                      |    |
| • Hellermann (Canada) Ltd. (14).                                  |    |
| • Herring & Co. Ltd., John 1-2-9-12.                              |    |
| • Hope Machinery Co. 4-6-24.                                      |    |
| • Hummel, William M. 1-5-8-13-14-15-21.                           |    |
| • Hysol (Canada) Ltd. (14)-(17).                                  |    |
| • International Nickel Co. of Canada, Ltd., The (9).              |    |
| • Johnson Matthey & Mallory Ltd. (2)-(15).                        |    |
| • Kerr-Machin Associates 3.                                       |    |
| • Lindsay Antenna & Specialty Products Ltd. (1)-(2)-(16).         |    |
| • MacQuarrie Sales, J. J. 6.                                      |    |
| • Magnetic Shield Div. Perfection Mica Co. 5-10.                  |    |
| • Manis Associates Reg'd, Ben (16).                               |    |
| • Metal Textile Corp., A Div. of General Cable Corp. 24.          |    |
| • Micafl Ltd. 4-10-13.  |    |

- Minnesota Mining & Mfg. of Canada Ltd. (8)-(14)-(22).
- Moore Bros. Machinery Co. Ltd. 2.
- Murex Ltd., Powder Metallurgy Div. 11-18-20.
- Narrow Fabric Co., The 8.
- National Fibre Co. of Canada Ltd. (4)-(5)-(8)-10-13-(14).
- Natvar Corp. 8-14-21.
- New Jersey Wood Finishing Co. 14-17-22.
- Noranda Copper and Brass Ltd. (2).
- Norrich Plastics Corp., Div. Norrich Screw Machine Products 1-5-8-13-14-15-21.
- Ohio Seamless Tube Div. of Copperweld Steel Co. 16.
- Oki & Willadsen Ltd. 5-14.
- Owens-Corning Fiberglass Corp. 8.

- Payette Radio Ltd. 14.
- Peckover's Ltd. 2-14.
- Permanold Ltd. 8-14.
- Phillips Electrical Co. Ltd. (6).
- Pioneer Industries Inc. 14.
- Plastiglide Ltd. (2)-14-(21).
- Plessey Co. of Canada Ltd. (3).
- Polypenco, Inc. 14-17.
- Radio Trade Supply Ltd. 4-14-21-22.
- Railway Power & Engineering Corp. Ltd. 4-5-6-8-9-11-16-19.
- Resistoflex Corp. 14.
- Rohn Manufacturing Co. 16.
- Ruggles Co. Ltd., H. P. 4-5-8-10-14-21-22.
- Secord, Arthur O. (6).
- Shamban & Co., W.S. 14.
- Smith Ltd., Irving 5.
- Smyth Electronic Components Ltd. 4-8-14-17-24.
- Spaulding Fibre of Canada Ltd. (4)-(5)-(8)-(13)-(14)-(17)-(21).
- Steward Mfg. Co., D. M. 3.
- Tenatronics Ltd. 14.
- Tilton Ltd., John R. 16.
- Titania Electric Corp. of Canada Ltd. 3.
- United Insulator Div. of The Telegraph Condenser Co. Ltd. 3.
- Varah Ltd., L. A. 22.
- Varflex Corp. 4-5-8-14-17-21-22.
- Western Agencies Ltd. 1-2-3-16.
- Zippertubing Co., The 1-2-4-6-8-9-14-24.

- Daystrom, Ltd. 1-2-3.
- DeMornay-Bonardi, Inc. 5.
- Dessler E-E Ltd. 1-2-3.
- Dominion Electrohome Industries Ltd. (1)-(3).
- Douglas Microwave Co., Inc. 5.
- E.M.I.-Cossor Electronics Ltd. 2-(4).
- E.M.I. Electronics Ltd. 4.
- Electrodesign 1-2.
- Electronic Instrument Co., Inc. 1-2.
- Electronic Materials International Ltd. (1)-(2)-(3).
- Electro Sonic Supply Co. Ltd. 1-2-3-7-8-9.
- Empire Devices Products Corp. 4-5-9.
- Engineered Sound Systems Ltd. 1-2-3.
- Erie Resistor of Canada Ltd. 3.
- Erie Resistor Corp. 3.
- FXR Inc. 4-5.
- Ferrotran Electronics Co., Inc. 1-6.

- Finkler Ltd., Len 1-2-3.
- Frequency Standards 5.
- General Instrument — F. W. Sickles of Canada Ltd. (1)-(2)-(6)-(7)-(8)-(9).
- General Sound & Theatre Equipment Ltd. 1-2-3.
- Gould Sales Co., E. S. 3.
- Gray Ltd., H. Roy 1-2-3.
- Industrial & Institutional Communications Ltd. 1-3.
- Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 2-3.
- JFD Electronics Corp. 5.
- Jerrold Electronics (Canada) Ltd. (7).
- Kaar Engineering Corp. 1.
- Kahnert Sales Ltd., R. C. 2-3.
- LEL, Inc. 5-9.
- Lake Engineering Co. Ltd. 3.
- Lomas, E. G. 5.
- MEL Sales Ltd. 4-5.
- Mack Co. Ltd., R. 1-2-3.
- MacQuarrie Sales, J. J. 2-3.
- Manis Associates Reg'd, Ben (1)-(2)-(3).
- Mallory & Co. Inc., P. R. 7-8-9.
- Marsland Engineering Ltd. (6)-(7).
- McIntosh Laboratory Inc. 2-3.
- Merritt Co., Ron 1-2-3.
- Microwave Associates, Inc. 5.
- Microwave Systems 5.
- Musmart of Canada, Ltd. 2.
- Narda Microwave Corp., The 5.
- Northern Electric Co. Ltd. (1).
- Pacific Communications Services Ltd. 3.
- Paco Electronics Co., Inc. 3.
- Payette Radio Ltd. 1-2-3-7.
- Peffer Sound Systems Ltd. 1-2-3-7.
- Plessey Co. of Canada Ltd. (3)-(6)-(7).
- Polarad Electronics Corp. 4-5.
- Polytechnic Research & Development Co., Inc. 4-5.
- Pointon Ltd., Charles W. 1-2-3.
- Radio Condenser Co. Ltd. (1)-(2)-(3)-(6).
- Radio Trade Supply Ltd. 1-2-3-7.
- Rauland-Borg Corp. 2-3.
- Research Instrumentation Ltd. (1)-(2)-(3).
- Sarkes Tarzian, Inc. 2-7-9.
- Sherwood Electronic Laboratories, Inc. 2-3.
- Simmonds & Sons Ltd., A. C. (9).
- Simpson Mfg. Co. Inc., Mark 1-2-3.
- Sinclair Radio Labs. Ltd. (4)-(5).
- Smith Ltd., Irving 1-2.
- Smyth Electronic Components Ltd. 1-2-6.
- Sperry Gyroscope Co. of Canada Ltd. 4.
- Standard Coll Products (Canada) Ltd. (2)-(7)-(8)-(9).
- Telegquipment Mfg. Co. Ltd. 1-2-3.
- Telerad Mfg. Corp. 5.
- Thompson Ltd., Chas. L. 1-2-3.
- Thompson Products Ltd. 2-3.
- Tilton Ltd., John R. 1-2-3.
- Varah Ltd., L. A. 1-2-3.
- Waterloo Electronics Supply Co. Ltd. 1-2-3-7-8.
- Western Agencies Ltd. 1-2-3-7-9.
- Whiteley Electrical Radio Co. Ltd. 2.
- Wholesale Radio & Electronics Ltd. 1-2-3-7.
- Willard Spenser Co. 5.

- Beaconsing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (1)-(2).
- Conway Electronic Enterprises Reg'd 1-2.
- Electronic Materiel International Ltd. (1)-(2).
- Electronic Research & Development Co. Ltd. (2).
- Electro Sonic Supply Co. Ltd. 1-2.
- Intronics Ltd. 2.
- Jackson Brothers (London) Ltd. 1.
- Mallory & Co. Inc., P. R. 1-2.
- Radio Condenser Co. Ltd. (1).
- SIDO Ltd. (1)-(2).
- Waldom Electronics Inc. 1.

- Merritt Co., Ron 1.
- Payette Radio Ltd. 1.
- Peffer Sound Systems Ltd. 1.
- Plessey Co. of Canada Ltd. (1).
- Pointon Ltd., Charles W. 1.
- Racon Electric Co. Inc. 1.
- Radio Trade Supply Ltd. 1.
- Rola Celestion Ltd. 1.
- Simmonds & Sons Ltd., A. C. (1).
- Smyth Electronic Components Ltd. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Tenatronics Ltd. 1.
- Thompson Ltd., Chas. L. 1.
- Tilton Ltd., John R. 1.
- TranSonic Ltd. (1).
- Universty Loudspeakers, Inc. 1.
- Varah Ltd., L. A. 1.
- Vitavox Ltd. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Whiteley Electrical Radio Co. Ltd. 1.
- White Radio Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Turntables, Recording and Transcription

Turntables, Recording & Transcription ..... 1

- Alpha Aracon Radio Co. Ltd. 1.
- Astral Electric Co., Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Barvic Engineering Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Bogen-Presto Co. 1.
- A/S Bruel & Kjaer 1.
- Canadian Communication Systems 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Collins Radio Co. of Canada Ltd. (1).
- Conway Electronic Enterprises Reg'd 1.
- Crawford Radio, The 1.
- Daveco Agencies Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Fairchild Recording Equipment Corp. 1.
- Geerz & Holm Canada Ltd. 1.
- General Sound & Theatre Equipment Ltd. 1.
- Gould Sales Co., E. S. 1.
- Gray Ltd., H. Roy 1.
- Instantaneous Recording Service (A Div. of E. J. Piggott Enterprises, Ltd.) 1.
- Lenco Ltd. 1.
- McCurdy Radio Industries Ltd. (1).
- Merritt Co., Ron 1.
- Musmart of Canada, Ltd. 1.
- Northern Electric Co. Ltd. 1.
- Payette Radio Ltd. 1.
- Philco Corp. of Canada Ltd. 1.
- Pickering & Company, Inc. 1.
- Pointon Ltd., Charles W. 1.
- Rek-O-Kut Co. 1.
- Simmonds & Sons Ltd., A. C. (1).
- Smyth Electronic Components Ltd. 1.
- Stark Electronic Sales Co. 1.
- Thompson Ltd., Chas. L. 1.
- Tilton Ltd., John R. 1.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Westronic Engineering Sales (A Div. of L. A. Varah Ltd.) 1.
- Wholesale Radio & Electronics Ltd. 1.

## Ultrasonic Equipment

Ultrasonic Equipment ..... 1

- American Time Products, Inc. 1.
- Barvic Engineering Ltd. 1.
- Bendix Aviation Corp., Bendix-Pacific Div. 1.
- Bepco Canada Ltd. (1).
- Blackstone Corp. 1.
- Brauson Instruments, Inc. and Brauson Ultrasonic Corp. 1.
- Burr-Brown Research Corp. 1.
- Canadian Marconi Co. 1.
- Canadian Research Institute (1).
- Conway Electronic Enterprises Reg'd 1.
- Dawe Instruments Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. 1.
- Elder Electronics 1.
- Electrodesign 1.
- Electro Labs 1.
- Electromechanical Products 1.
- General Communications Ltd. 1.
- General Radio Co. 1.
- Harris Transducer Corp., Sub. of General Instrument Corp. 1.
- Industrom Corp. 1.
- Kelvin & Hughes (Canada) Ltd. (1).
- Kelvin & Hughes Ltd. 1.
- LCR Manufacturing Co. Ltd. (1).
- MEL Sales Ltd. 1.
- Measurement Engineering Ltd. 1.
- Mitchell Electronics, J. C. E. 1.
- New Hermes Engraving Machine Corp. 1.
- Radio Frequency Co., Inc. 1.
- Radionics Ltd. 1.
- Raytheon Canada Ltd. (1).
- Research Instrumentation Ltd. (1).
- Sheffield Corp., The 1.
- Solar Mfg. Corp. 1.
- Tannal Measuring and Nuclear Systems 1.
- Titania Electric Corp. of Canada Ltd. 1.

## Tuners

|                |   |
|----------------|---|
| AM             | 1 |
| FM             | 2 |
| F-M/A-M        | 3 |
| Klystron       | 4 |
| Microwave      | 5 |
| Permeability   | 6 |
| Television     | 7 |
| Television R-F | 8 |
| UHF            | 9 |

- Acoustical Manufacturing Co. Ltd. (1)-(2).
- Addison Industries Ltd. (1)-(3).
- Alcom Inc. 4-5.
- Altron Inc., A Div. of Litton Industries 5.
- Alpha Aracon Radio Co. Ltd. 1-2-3-7-8-9.
- Altex Lansing Corp. 1-2-3.
- Armstrong Ltd., A. T. R. (2).
- Associated Electronic Components Ltd. 2-7-8.
- Astral Electric Co. Ltd. 2.
- Atlas Radio Corp. Ltd. 1-2-3.
- Avtek Systems Engineering Ltd. (1).
- Bardwell Co., L. J. 2-3.
- Barvic Engineering Ltd. 1-2-3.
- Beaconsing Optical & Precision Materials Co. Ltd. (B O P Ltd.) (5).
- Bern and Company Ltd., Lee 1-3-7.
- Blonder-Tongue Laboratories, Inc. 3-9.
- Bogen-Presto Co. 1-2-3.
- Buckland Co., Robert J. 2.
- Canadian Communication Systems 1-2.
- Canadian Electrical Supply Co. Ltd. 1-2-3.
- Canadian Electronics Ltd. 1-2-3-4.
- Canadian General Electric Co. Ltd., Electronic Tube Section (Radiovalve Co. Ltd.) 3.
- Canadian Marconi Co. 1-2-3-(5)-(9).
- Clairtone Sound Corp. Ltd. 1.
- Clark Ltd., Alex L. 1-2-3.
- Cohen Ltd., William 1-2-3.
- Conway Electronic Enterprises Reg'd 1-2-3-4-5-6-7-8-9.
- Crawford, The 3.
- D & B Sound and Signals Inc. 1-2-3.

## Tuning Devices

Receiver Mechanical ..... 1  
Transmitter Mechanical ..... 2

## Tweeters

Tweeters ..... 1

- Active Radio & TV Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Altex Lansing Corp. 1.
- Associated Electronic Components Ltd. 1.
- Astral Electric Co., Ltd. 1.
- Atlas Radio Corp. Ltd. 1.
- Atlas Sound Corp. 1.
- Barvic Engineering Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Burgess, Norris 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Electronics Ltd. 1.
- Canadian General Electric Co. Ltd., Electronic Tube Section (Radiovalve Co. Ltd.) 1.
- Clark Ltd., Alex L. 1.
- Daveco Agencies Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. 1.
- Electrodesign 1.
- Electro Sonic Supply Co. Ltd. 1.
- Engineered Sound Systems Ltd. 1.
- Finkler Ltd., Len 1.
- Geerz & Holm Canada Ltd. 1.
- General Sound & Theatre Equipment Ltd. 1.
- Goodmans Industries Ltd. 1.
- Gould Sales Co., E. S. 1.
- Heenan Ltd., P. J. 1.
- Mack Co. Ltd., R. 1.

## Vacuum Pumps

Vacuum Pumps ..... 1

- ARVA Inc. (1).
- Aviation Electric Ltd. 1.
- Aviation Electric Pacific Ltd. 1.
- Canadian Liquid Air Co. 1.
- Conway Electronic Enterprises Reg'd 1.
- Delta Aircraft Equipment Ltd. 1.
- Edwards High Vacuum (Canada) Ltd. (1).
- Eitel-McCullough, Inc. 1.
- Electro Labs 1.
- Fisher Scientific Co. Ltd. 1.
- Joy Manufacturing Co. (Canada) Ltd. (1).
- Keith Mercer Co. Ltd. 1.
- Kerr-Machin Associates 1.
- Kinney Mfg. Div., The New York Air Brake Co. 1.
- Micafil Ltd. 1.
- NRC Equipment Corp. 1.
- Nelson Vacuum Pump Co. 1.
- Peacock Bros. Ltd. 1.
- Phillips Electronics Industries Ltd. (1).
- Radionics Ltd. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Showalter, R. J. 1.
- Varian Associates of Canada Ltd. (1).
- Veeco Vacuum Corp. 1.
- Western Agencies Ltd. 1.

## Valves

- Servo ..... 1
- Solenoid ..... 2
- Aircraft Appliances & Equipment Ltd. 1-2.
- Allied Control Company, Inc. 2.
- Automatic Switch Co. 2.
- Aviation Electric Ltd. 1-2.
- Bendix Aviation Corp., Bendix-Pacific Div. 1-2.
- Best Co., John 2.
- Bristol Co. of Canada Ltd., The 1-2.
- Canavia Engineering & Sales Co. 1-2.
- Consolidated Controls Corp. 1.
- Constellation Components Co. 1.
- Davis Automatic Controls Ltd. 2.
- Delta Aircraft Equipment Ltd. 1-2.
- Dycon Ltd. 1-2.
- E.C.C. Canada Ltd. 2.
- Edwards High Vacuum (Canada) Ltd. (2).
- Electrodesign 1.
- Electronic Corp. of America (Canada) Ltd. 2.
- Garrett Mfg. Corp. of Canada Ltd., The (1)-(2).
- General Controls Co. (Canadian) Ltd. 1-2.
- Guardian Electric Mfg. Co. 2.
- Higginson Equipment Sales Ltd. 2.
- Honeywell Controls Ltd. (2).
- Kerr-Machin Associates 2.
- Lisle Instrument Systems 1.
- MEL Sales Ltd. 1.
- MOOG Servocontrols, Inc. 1.
- Pickering & Co., Inc. 2.
- Radionics Ltd. 2.
- Railway & Power Engineering Corp. Ltd. 1-2.
- Rousseau Controls Ltd. 2.
- Simmonds Aerocessories, Inc. 1-2.
- Skinner Electric Valve Div. 2.
- Smith Co. Ltd., W. M. 2.
- Stark, R. W. (2).
- Tregaskiss Sales Co., Wm. 2.
- United Aircraft Products, Inc. 2.
- Wholesale Radio & Electronics Ltd. 2.

## Varistors

- Varistors ..... 1
- Barron, William T. 1.
- Canadian Electronics Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Ferrocube Corp. of America 1.
- Northern Electric Co. Ltd. (1).
- Payette Radio Ltd. 1.
- Pointon Ltd., Charles W. 1.
- Radio Trade Supply Ltd. 1.
- Railway & Power Engineering Corp. Ltd. 1.
- Smith Ltd., Irving 1.
- Smyth Electronic Components Ltd. 1.
- Standard Telephones & Cables Mfg. Co. (Canada) Ltd. 1.
- Varah Ltd., L. A. 1.
- Vickers Inc., Electric Products Div. 1.

## Varnish, Cambric Coatings

- Varnish, Cambric Coatings. 1
- Alpha Aracon Radio Co. Ltd. 1.
- Bern and Company Ltd., Lee 1.
- Electro Sonic Supply Co. Ltd. 1.
- Electro-Technical Products Div., Sun Chemical Corp. 1.
- Gilchrist Ltd., Andrew 1.
- Minnesota Mining & Mfg. of Canada Ltd. (1).
- Natvar Corp. 1.
- New Jersey Wood Finishing Co. 1.
- Radio Trade Supply Ltd. 1.
- Ruggles Co. Ltd., H. P. 1.
- Suflex Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Vibration Analysis Equipment

- Vibration Analysis Equipment ..... 1
- Ahearn and Soper Co. Ltd. 1.
- Atlas Instrument Corp. Ltd. 1.
- Bepco Canada Ltd. (1).
- Conway Electronic Enterprises Reg'd 1.
- Crawford Associates, Allan 1.
- E.M.I.-Cossor Electronics Ltd. 1.

- E.M.I. Electronics Ltd. 1.
- Electrodesign 1.
- Electromechanical Products 1.
- Electronic Materiels International Ltd. (1).
- General Radio Co. 1.
- Glendon Instrument Co. Ltd., The 1.
- Goodmans Industries Ltd. 1.
- Honeywell Controls Ltd. (1).
- Keith Mercer Co. Ltd. 1.
- Kelvin & Hughes Ltd. 1.
- Lisle Instrument Systems 1.
- MEL Sales Ltd. 1.
- Martin Engineering Inc. 1.
- Mechron Engineering Products Ltd. 1.
- Micrometrical Mfg. Co. 1.
- Muirhead & Co. Ltd. 1.
- Phillips Electronics Industries Ltd. (1).
- Quan-Tech Laboratories 1.
- R-O-R Associates Ltd. 1.
- Radionics Ltd. 1.
- Scott & Co. (Electrical Engineers) Ltd., James 1.
- Servo Corp. of America 1.
- Siemens Edison Swan (Canada) Ltd. 1.
- Southwestern Industrial Electronics Co. 1.
- Sperry Gyroscope Co. of Canada Ltd. 1.
- Tektronix Inc. (1).
- Tel-Instrument Electronics Corp. 1.
- Titania Electric Corp. of Canada Ltd. 1.

## Vibrators

- Vibrators ..... 1
- Airpax Electronics Inc. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- American Television & Radio Co. 1.
- Barron, William T. 1.
- Bern and Company Ltd., Lee 1.
- Best Co., John (1).
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian General Electric Co. Ltd., Electronic Equipment & Tube Dept. 1.
- Canadian Marconi Co. 1.
- Canadian Motorola Electronics Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Cornell-Dublier Electric Corp. 1.
- Crawford Radio, The 1.
- Desser E-E Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. 1.
- E.M.I. Electronics Ltd. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Herring & Co. Ltd., John 1.
- Higginson Equipment Sales Ltd. 1.
- Kahnert Sales Ltd., R. C. 1.
- Leonard Electric Ltd. 1.
- Mallory & Co. Inc., P. R. 1.
- Payette Radio Ltd. 1.
- Phillips Electronics Industries Ltd. (1).
- Plessey Co. of Canada Ltd. (1).
- Pointon Ltd., Charles W. 1.
- Racon Electric Co. Inc. 1.
- Radio Components Ltd. 1.
- Radio Trade Supply Ltd. 1.
- Rutherford Agencies 1.
- Simmonds & Sons Ltd., A. C. (1).
- Tatnall Measuring and Nuclear Systems 1.
- Tequipment Mfg. Co. Ltd. 1.
- Varah Ltd., L. A. 1.
- Vokar Products, Inc. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Whiteley Electrical Radio Co. Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.
- Willard Spenser Co. 1.

## Viscosimeters with Electronic Recorders

- Viscosimeters with Electronic Recorders ..... 1
- Bepco Canada Ltd. (1).
- Bristol Co. of Canada Ltd., The 1.
- Computing Devices of Canada Ltd. 1.
- Ferranti Packard Electric Ltd. 1.
- Fischer & Porter (Canada) Ltd. (1).
- Honeywell Controls Ltd. (1).

## Voltage Supplies, Decade

- Voltage Supplies, Decade ..... 1
- ARVA Inc. (1).
- Atlas Instrument Corp. Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Crawford Associates, Allan 1.
- Daystrom, Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- Electromechanical Products 1.
- Herring & Co. Ltd., John 1.
- Kin Tel, A Div. of Cohu Electronics, Inc. 1.
- Philbrick Researches, Inc., George A. 1.
- Radionics Ltd. 1.
- Smyth Electronic Components Ltd. 1.
- Tel-Instrument Electronics Corp. 1.
- Wholesale Radio & Electronics Ltd. 1.
- Willard Spenser Co. 1.

## Voltmeters

- Digital ..... 1
- Electronic ..... 2
- Electrostatic ..... 3
- Slideback ..... 4
- Aeromotive Engineering Products Ltd. 1-2.
- Ahearn and Soper Co. Ltd. 2.
- Airmec Ltd. 2.
- Airpax Electronics Inc. 2.
- Alpha Aracon Radio Co. Ltd. 2.
- ARVA Inc. (1)-(3).
- Atlas Instrument Corp. Ltd. 1-2.
- Bach-Simpson Ltd. (2).
- Bayly Engineering Ltd. (2).
- Beckman Instruments Inc. (1)-(2).
- Beckman/Berkeley Div. 1.
- Beckman Instruments, Inc., Hellpot Div. 2.
- Beckman Instruments, Inc., Beckman Systems Div. 1.
- Bergen Laboratories Inc. 2.
- Boonton Electronics Corp. 2.
- C.G. Electronics Corp. 1.
- Cambridge Instrument Co., Ltd. 2-3.
- Canadian Aviation Electronics Ltd. (1).
- Canadian Electrical Supply Co. Ltd. 2.
- Canadian Electronics Ltd. 2.
- Canadian Marconi Co. 2.
- Canadian Marconi Co., Electronic Tube & Components Div. 2.
- Canadian Research Institute (2)-(3)-(4).
- Computer-Measurements Co. 1.
- Computing Devices of Canada Ltd. 1.
- Conway Electronic Enterprises Reg'd 1-2-3-4.
- Crawford Associates, Allan 1-2.
- Cubic Corp. 1.
- Daystrom, Ltd. 2.
- Dymec, A Div. of Hewlett-Packard 1.
- Dynapar Corp. 1.
- Electrodesign 1-2.
- Electro Instruments, Inc. 1-2.
- Electrolabs 2.
- Electroline Television Equipment Inc. 2.
- Electromechanical Products 1-2.
- Electronic Instrument Co., Inc. 2.
- Electronic Materiels International Ltd. (2).
- Electro Sonic Supply Co. Ltd. 2.
- Ellis Industries, The J. W. 3.
- Epsco, Inc. 1.
- Fluke Mfg. Co. Inc., John 1-2-4.
- Franklin Electronics Inc. 1.
- General Radio Co. (Canadian Branch Office) (2).
- General Radio Co. 2.
- Glendon Instrument Co. Ltd., The 2.
- Gray Ltd., H. Roy 2.
- Greibach Instruments Corp. 2.
- Herring & Co. Ltd., John 2.
- Hewlett-Packard Co. 1-2.
- Honeywell Controls Ltd. (2).
- Hymac Corp. 1.
- Instronics Ltd. 1-2.
- Jackson Electrical Instrument Co., The 2.
- Kin Tel, A Div. of Cohu Electronics, Inc. 1.
- LANDSVERK Electrometer Co. 3.
- MEL Sales Ltd. 2-3.
- Measurements Corp., A. McGraw-Edison Div. 2.
- Merritt Co., Ron 2.
- Metronix, Inc. 2.
- Moseley Co., F. L. 1.

- Nichols Ltd., R. H. 3.
- Non-Linear Systems Inc. 1.
- Paco Electronics Co., Inc. 2.
- Payette Radio Ltd. 2.
- Phillips Electronics Industries Ltd. (2).
- Precision Apparatus Co., Inc. 2.
- Pye & Co. Ltd., W. G. 3.
- RCA Victor Co. Ltd. (2).
- R-O-R Associates Ltd. 1-2.
- Radiometer 2.
- Radionics Ltd. 1-2.
- Radio Trade Supply Ltd. 1.
- Robinson Co., C. M. 2.
- Sierra Electronic Corp. 2.
- Simpson Electric Co. 2.
- Southwestern Industrial Electronics Co. 2.
- Tecneek Associates 2-3.
- Tele-Radio Systems Ltd. 2.
- Titania Electric Corp. of Canada Ltd. 1.
- Trio Laboratories, Inc. 2.
- Varah Ltd., L. A. 2.
- Waterloo Electronics Supply Co. Ltd. 2.
- Western Agencies Ltd. 2.
- Whittaker, E. E. 1.
- Wholesale Radio & Electronics Ltd. 2.

## Volt-Ohm-Milliammeters

- Volt-Ohm Milliammeters ..... 1
- Ahearn and Soper Co. Ltd. 1.
- Alpha Aracon Radio Co. Ltd. 1.
- Associated Electronic Components Ltd. 1.
- Atlas Instrument Corp. Ltd. 1.
- Bach-Simpson Ltd. (1).
- Bern and Company Ltd., Lee 1.
- Canadian Electrical Supply Co. Ltd. 1.
- Canadian Research Institute (1).
- Computing Devices of Canada Ltd. 1.
- Conway Electronic Enterprises Reg'd 1.
- Crawford Radio, The 1.
- Daveco Agencies Ltd. 1.
- Daystrom, Ltd. (1).
- Desser E-E Ltd. 1.
- E.M.I.-Cossor Electronics Ltd. (1).
- Electrodesign 1.
- Electro Instruments, Inc. 1.
- Electrolabs 1.
- Electromechanical Products 1.
- Electronic Components Ltd. 1.
- Electronic Instrument Co., Inc. 1.
- Electro Sonic Supply Co. Ltd. 1.
- Ellis Industries, The J. W. 1.
- Finkler Ltd., Len 1.
- Fraser Ltd., George M. 1.
- Glendon Instrument Co. Ltd., The 1.
- P. Gossen & Co. G.m.b.H. 1.
- Greibach Instruments Corp. 1.
- Instrument Laboratories 1.
- Mack Co. Ltd., R. 1.
- Manis Associates Reg'd, Ben (1).
- Merritt Co., Ron 1.
- Nichols Ltd., R. H. 1.
- Northern Electric Co. Ltd. 1.
- Paco Electronics Co., Inc. 1.
- Payette Radio Ltd. 1.
- Phillips Electronics Industries Ltd. (1).
- Precision Apparatus Co., Inc. 1.
- RCA Victor Co. Ltd. (1).
- Radio Trade Supply Ltd. 1.
- Robinson Co., C. M. 1.
- Rutherford Agencies 1.
- Simmonds & Sons Ltd., A. C. (1).
- Simpson Electric Co. 1.
- Smith Ltd., Irving 1.
- Smyth Electronic Components Ltd. 1.
- Stark Electronic Sales Co. (1).
- Tecneek Associates 1.
- Thermovolt Instruments Ltd. 1.
- Tilton Ltd., John R. 1.
- Triplet Electrical Instrument Co., The 1.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Whiteley Electrical Radio Co. Ltd. 1.
- Whittaker, E. E. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Washers

- Insulating ..... 1
- Lock ..... 2
- Alloy Metal Sales Ltd. 2.
- Alpha Aracon Radio Co. Ltd. 1-2.
- Andersen & Co. Ltd., A. A. (1).
- Andrews & Associates, A. W. 1.
- Atlas Radio Corp. Ltd. 1-2.

- Bern and Company Ltd., Lee 1-2.
- Birnbach Radio Co., Inc. 2.
- Canadian Electrical Supply Co. Ltd. 1-2.
- Clarke & Co. (Manchester) Ltd., H. 1.
- Continental-Diamond Fibre of Canada Ltd. (1).
- Electro Sonic Supply Co. Ltd. 1-2.
- Electrovert Ltd. 1.
- Emerson Plastics Corp. 1.
- Filer-Smith Machinery Co. Ltd. 1.
- Grayhill, Inc. 1.
- Harper Co., The H. M. 2.
- Hummel, William M. 1.
- IE Manufacturing 1.
- Kerr-Machin Associates 1-2.
- Lomas, E. G. 1-2.
- MacQuarrie Sales, J. J. 1.
- Moore Bros. Machinery Co. Ltd. 2.
- National Fibre Co. of Canada Ltd. (1).
- Norrish Plastics Corp., Div. Norrish Screw Machine Products 1.
- Plastiglid Ltd. 1.
- Radio Trade Supply Ltd. 1-2.
- Railway & Power Engineering Corp. Ltd. 2.
- Shakeproof Fastex (Div. of Canada Illinois Tools Ltd.) (2).
- Shakeproof Div. of Illinois Tool Works 2.
- Shamban & Co., W. S. 1.
- SIDO Ltd. (1).
- Smith Ltd., Irving 1-2.
- Spaulding Fibre of Canada Ltd. (1).
- United-Carr Fastener Co. of Canada Ltd. (1).
- United Insulator Div. of The Telegraph Condenser Co. Ltd. 1.
- Varah Ltd., L. A. 1-2.
- Waldom Electronics Inc. 1-2.
- Western Agencies Ltd. 1-2.
- Wholesale Radio & Electronics Ltd. 1-2.
- Willard Spenser Co. 2.
- Y. W. Small Parts Ltd. (1).

## Wattmeters

- Wattmeters** ..... 1
- Ahearn and Soper Co. Ltd. 1.
  - Alpha Aracon Radio Co. Ltd. 1.
  - ARVA Inc. (1).
  - Associated Electronic Components Ltd. 1.
  - Bach-Simpson Ltd. 1.
  - Bayly Engineering Ltd. (1).
  - Bendix Aviation Corp., Scintilla Div. 1.
  - Beppo Canada Ltd. (1).
  - Burlec Sales Ltd. 1.
  - Cambridge Instrument Co., Ltd. 1.
  - Canadian Electrical Supply Co. Ltd. 1.
  - Canadian Motorola Electronics Ltd. 1.
  - Canadian Research Institute (1).
  - Chemalloy Electronics Corp. 1.
  - Collins Radio Co. of Canada Ltd. (1).
  - Conway Electronic Enterprises Reg'd 1.
  - Crawford Associates, Allan 1.
  - Cubic Corp. 1.
  - Daystrom, Ltd. 1.
  - Domac Technical Sales Ltd. 1.
  - E.C.C. Canada Ltd. 1.
  - Electrodesign 1.
  - Electro Instruments, Inc. 1.
  - Electronic Components Ltd. 1.
  - Electro Sonic Supply Co. Ltd. 1.
  - Ellis Industries, The J. W. 1.
  - English Electric Co. Ltd., The 1.
  - Evershed-Powertonic Ltd. (1).
  - Evershed and Vignoles Ltd. 1.
  - Finkler Ltd., Len 1.
  - Fluke Mfg. Co. Inc., John 1.
  - Fraser Ltd., George M. 1.
  - General Communication Co. 1.
  - Glendon Instrument Co. Ltd., The 1.
  - P. Gossen & Co. G.m.b.H. 1.
  - Hewlett-Packard Co. 1.
  - MEL Sales Ltd. 1.
  - MacQuarrie Sales, J. J. 1.
  - Manis Associates Reg'd Ben (1).
  - Narda Microwave Corp., The 1.
  - Nichols Ltd., R. H. 1.
  - Northern Electric Co. Ltd. 1.
  - Payette Radio Ltd. 1.
  - Radionics Ltd. 1.
  - Radio Trade Supply Ltd. 1.
  - Record Electrical Co. Ltd., The 1.

- Robinson Co., C. M. 1.
- S.I.D.A.M. Ltd. 1.
- Sanborn Co. 1.
- Sierra Electronic Corp. 1.
- Simpson Electric Co. 1.
- Smith Ltd., Irving 1.
- Smyth Electronic Components Ltd. 1.
- Stark Electronic Sales Co. 1.
- Tecneek Associates 1.
- Tele-Radio Systems Ltd. 1.
- Thermovolt Instruments Ltd. 1.
- Tinsley Instruments (Canada) Ltd. (1).
- Triplet Electrical Instrument Co., The 1.
- Varah Ltd., L. A. 1.
- Waterloo Electronics Supply Co. Ltd. 1.
- Western Agencies Ltd. 1.
- Wholesale Radio & Electronics Ltd. 1.

## Waveguide Dissipative Strips

- Waveguide Dissipative Strips** ..... 1
- Aircom Inc. 1.
  - Airtron Canada Ltd. (1).
  - Airtron Inc., A Div. of Litton Industries 1.
  - Conway Electronic Enterprises Reg'd 1.
  - Crawford Associates, Allan 1.
  - Dayrand Ltd. 1.
  - Howard & Co. Ltd., M. J. 1.
  - Microwave Systems 1.
  - Mitchell Electronics, J. C. E. 1.
  - Neosid (Canada) Ltd. (1).
  - Sinclair Radio Labs. Ltd. (1).
  - Telerad Mfg. Corp. 1.

## Waveguide Test Equipment

- Waveguide Test Equipment** ..... 1
- Airborne Instruments Lab., A Div. of Cutler-Hammer, Inc. 1.
  - Aircom Inc. 1.
  - Airtron Canada Ltd. (1).
  - Associated Electrical Industries (Canada) Ltd. (1).
  - Atlas Instrument Corp. Ltd. 1.
  - Avionics Ltd. (1).
  - California Technical Industries Div. of Textron Inc. 1.
  - Canadian Marconi Co. 1.
  - Chemalloy Electronics Corp. 1.
  - Conway Electronic Enterprises Reg'd 1.
  - Crawford Associates, Allan 1.
  - Delta Aircraft Equipment Ltd. 1.
  - DeMornay-Bonardi, Inc. 1.
  - E.M.I. Electronics Ltd. 1.
  - FXR Inc. 1.
  - Frequency Standards 1.
  - Hewlett-Packard Co. 1.
  - Instronics Ltd. 1.
  - Lomas, E. G. 1.
  - MEL Sales Ltd. 1.
  - Microwave Associates, Inc. 1.
  - Microwave Systems 1.
  - Mitchell Electronics, J. C. E. 1.
  - Narda Microwave Corp., The 1.
  - Polarad Electronics Corp. 1.
  - Polytechnic Research & Development Co., Inc. 1.
  - Radionics Ltd. 1.
  - Schomandl KG 1.
  - Siemens Edison Swan (Canada) Ltd. 1.
  - Sierra Electronic Corp. 1.
  - Sinclair Radio Labs. Ltd. (1).
  - Smyth Electronic Components Ltd. 1.
  - Willard Spenser Co. 1.

## Waveguides

- Combination Rigid & Flexible** ..... 1  
**Flexible** ..... 2  
**Rigid** ..... 3
- Adams Engineering Ltd. 3.
  - Ahearn and Soper Co. Ltd. 2.
  - Aircom Inc. 1-2-3.
  - Airtron Canada Ltd. (1)-(2)-(3).
  - Airtron Inc., A Div. of Litton Industries 1-2-3.
  - Andrew Antenna Corp. Ltd. (1)-(2)-(3).
  - Associated Electrical Industries (Canada) Ltd. (1)-(2)-(3).
  - Central Electronic Manufacturers 3.
  - Conway Electronic Enterprises Reg'd 1-2-3.

- Co-Operative Industries, Inc. 1-2.
- Dayrand Ltd. 1-2-3.
- DeMornay-Bonardi, Inc. 3.
- FXR Inc. 1-3.
- Fleet Mfg. Ltd. (3).
- Instronics Ltd. 1-2-3.
- Kennedy & Co., D. S. 3.
- Lomas, E. G. 1-2.
- MEL Sales Ltd. 3.
- Microwave Associates, Inc. 1-2-3.
- Microwave Systems 1-2-3.
- Mitchell Electronics, J. C. E. 1-2-3.
- Polytechnic Research & Development Co., Inc. 3.
- Radionics Ltd. 1-3.
- Railway & Power Engineering Corp. Ltd. 3.
- Secord, Arthur O. (2).
- Sinclair Radio Labs. Ltd. (1)-(2)-(3).
- Smyth Electronic Components Ltd. 2-3.
- Telerad Mfg. Corp. 1-2-3.
- United Aircraft Products, Inc. 3.
- Varah Ltd., L. A. 1-2-3.
- Westronic Engineering Sales (A Div. of L. A. Varah Ltd.) 1-2-3.

## Wavemeters, Microwave

- Wavemeters, Microwave** ..... 1
- Aircom Inc. 1.
  - Airtron Inc., A Div. of Litton Industries 1.
  - Atlas Instrument Corp. Ltd. 1.
  - Avionics Ltd. (1).
  - Bayly Engineering Ltd. 1.
  - Beaconing Optical & Precision Materials Co. Ltd. (BOP Ltd.) 1.
  - Canadian Marconi Co. 1.
  - Conway Electronic Enterprises Reg'd 1.
  - DeMornay-Bonardi, Inc. 1.
  - Douglas Microwave Co., Inc. 1.
  - FXR Inc. 1.
  - Frequency Standards 1.
  - General Communication Co. 1.
  - Hewlett-Packard Co. 1.
  - Lomas, E. G. 1.
  - MEL Sales Ltd. 1.
  - Microwave Associates, Inc. 1.
  - Microwave Systems 1.
  - Mitchell Electronics, J. C. E. 1.
  - Narda Microwave Corp., The 1.
  - Polytechnic Research & Development Co., Inc. 1.
  - RCA Victor Co. Ltd. (1).
  - Radionics Ltd. 1.
  - Schomandl KG 1.
  - Sierra Electronic Corp. 1.
  - Sinclair Radio Labs. Ltd. (1).
  - Sperry Gyroscope Co. of Canada Ltd. 1.
  - Telerad Mfg. Corp. 1.
  - Willard Spenser Co. 1.

## Welders, Spot

- Welders, Spot** ..... 1
- Air Reduction Canada Ltd. 1.
  - Canadian Fairbanks-Morse Co. Ltd., The (1).
  - Canadian Liquid Air Co. 1.
  - Ewald Instruments 1.
  - Gulley Company Ltd. 1.
  - Hughes Products 1.
  - Linde Co., Div. of Union Carbide Canada Ltd. (1).
  - Moore Bros. Machinery Co. Ltd. 1.
  - Raytheon Canada Ltd. (1).
  - Taylor Winfield Corp. 1.
  - Tregaskiss Sales Co., Wm. 1.

## Wire Cat-Whiskers for Transistors

- Wire Cat-Whiskers For Transistors** ..... 1
- Electronic Enterprises Ltd. 1.

## Wire

- Aluminum ..... 1
- Annunciator ..... 2
- Antenna ..... 3
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**INSTRUMENT TYPE M977**



The new 'Southern Instruments' M977 is a completely self-contained Double-Beam Oscilloscope of advanced design at a highly competitive price.

With its facilities for direct comparison of wave forms, it is invaluable for the visual display of many phenomena in engineering and industry.

It is an ideal tool to form a nucleus for a wide range of auxiliary equipment, such as pre-amplifiers, transducers, and recording cameras.

## **The Minirack M977 double-beam oscilloscope**

**CATHODE-RAY TUBE.** '20th Century' 06B, 6-inch diameter, flat-faced and having two separate guns with independent controls. Sensitivity at 2Kv. E.H.T. supply:  $Y=24$  volts/cm. (61 volts/inch).  $X=25$  volts/cm. (63 volts/inch). Sensitivity with amplifiers at maximum gain:  $Y=30$  millivolts/cm.  $X=120$  millivolts/cm. Graticule: Illuminated anti-parallax graticule showing two X and one Y axis.

**AMPLIFIERS.** Input Impedance: 2-2 megohms shunted by 15 pF approx. Input A.C. coupling time constant: 0.22 seconds. Input Attenuator: 10:1 frequency compensated. Amplification: 26 to 800 continuously variable. Signal Calibration:

$\pm 2$  volts in 0.1 volt divisions. Calibration Accuracy:  $\pm 5\%$ . Frequency Response: D.C. to 100 Kcps 10% down. D.C. to 150 Kcps 30% down. Output Swing: 400 volts at a mean level of 150 volts above earth. Linearity of output:  $\pm 2\%$ .

**X AMPLIFIERS.** Input Impedance: 1 megohm shunted by 50 pF approx. Amplification: 11 to 210 continuously variable. Frequency Response: D.C. to 150 Kcps 10% down. D.C. to 300 Kcps 30% down. Output Swing: 440 volts at a mean level of 150 volts above earth. Linearity of output:  $\pm 2\%$ .

**TIME-BASE.** Calibration Accuracy  $\pm 25\%$  on range 100 millisecc—10 seconds  $\pm 10\%$  on range 0.3-30 millisecc. Output Positive going sweep  $\pm 10$  volts above earth. Minimum internal sync. amplitude 1 cm. Minimum external sync. amplitude 1 volt peak-to-peak. The sync. amplifier is self-limiting.

**A.C. MAINS SUPPLY REQUIREMENTS**  
Voltage: 110 volts single phase  
Frequency: 50-60 cps. Consumption: 15 watts approx. Alt. 110 v. 60 cs.

**OVERALL DIMENSIONS.** Height 19 inches (48 cm.). Width: 15 inches (38 cm.). Depth: 23 inches (58 cm.). Weight: 75 lbs. (36 Kg.).

# **SOUTHERN INSTRUMENTS**

*Exclusive Canadian Distributor:*

**CONWAY ELECTRONIC ENTERPRISES REG'D**

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# Acton Laboratories, Inc.

## LABORATORY INSTRUMENTS OF EXCEPTIONAL PRECISION

### VOLTAGE MEASUREMENT

**TYPE 810 VACUUM TUBE VOLTMETER** — Has balanced circuits, liberal inverse feedback, and precision components to insure long-time stability and accuracy. 7 full scale DC ranges: 1-1000 volts (+ or -); 6 AC ranges; 1-300 V (rms); 7 resistance ranges 0.2 to 500 with multipliers of X1-X1 meg. DC accuracy  $\pm 2\%$ ; AC accuracy  $\pm 3\%$ . Frequency response  $\pm 1$  db, 10 cps to 700 mc. 100 meg input impedance for DC measurement. High input impedance to 700 mc maintained by 1.2 mmf input capacitance of AC probe. Also available as 810-R (rack mount).

**TYPE 815-A VACUUM TUBE VOLTMETER** — Has wide ranges. 9 full scale DC ranges: 0.1-1,000 volts (+ or -); 8 AC ranges: 0.1-300 volts (rms); 9 DC current ranges: 0.001 ua to 100 ma; 9 resistance ranges: 0.2 to 500 with multipliers X0.1 to X10 meg. DC accuracy  $\pm 2\%$ , AC  $\pm 3\%$ , both 1 V range and higher. Frequency response 15 cps to 100 MC. DC input impedance 100 meg; AC 5 mmf and 10 meg. Also available as 815-AR (rack mount — gray panel).

### IMPEDANCE MEASUREMENT

**TYPE 310 Z-ANGLE<sup>®</sup> METER** — Measures in polar form the impedance, phase angle, dissipation factor, and storage coefficient of any RLC combination. One balancing control permits accurate analyses to be made more quickly and easily than with conventional AC bridges. Measures impedances from 0.5 to 100 K. Frequency range: 30 cps to 40 KC. Accuracy of impedance magnitude is  $\pm 1\%$  to 20 KC and  $\pm 2$  degrees for phase angle. Unit has internal 400 cps and 60 cps signals.

**TYPE 314 LOW-IMPEDANCE Z-ANGLE<sup>®</sup> METER** — Quickly and accurately measures low values of complex impedances in polar form. Provides direct readings of impedance in ohms, phase angle in degrees, and dissipation factor. Frequency range of 30-1000 cps, impedance-magnitude range of 0.005-1000 ohms accurate to  $\pm 1\%$ , and dissipation-factor range of 0 to infinity. Phase angles measured from  $-90^\circ$  to  $0^\circ$  to  $+90^\circ$ , with accuracy of  $\pm 1^\circ$  from  $30^\circ-90^\circ$  and  $\pm 2^\circ$  from  $5^\circ-30^\circ$ . Unique 4-terminal arrangement for current and voltage to unknown nullifies effect of lead impedance and insures accurate measurements. Also available as 314-AR (rack mount).

### PHASE MEASUREMENT GENERATION

**TYPE 320-AB PHASE METER** — Measures phase difference between 2 signals (10 cps to 100 KC) of any wave shape and indicates phase angle on large meter with separate ranges of  $360^\circ$ ,  $180^\circ$ ,  $90^\circ$ , and  $36^\circ$ . Accuracy is  $\pm 1\%$  of full scale + 3 degrees). Requires no adjustments, corrections, or balancing operations. Amplitude range is .7 to 120 volts rms. Input impedance of 10 meg and 13 mmf. Modifications allow operation to 1 cps. Also available as 320-ABR (rack mount).

**TYPE 709-A BROADBAND SECONDARY PHASE STANDARD** — Accurately calibrates phase measuring instruments but can also measure phase when used in conjunction with oscilloscope. Develops 2 sinusoidal signals continuously variable from  $0^\circ$  to  $360^\circ$  with respect to each other when fed from oscillator. Range is 20 cps to 20 KC. Accuracy of  $\pm 1^\circ$  from 20 cps to 10 KC;  $\pm 3^\circ$  from 10 KC to 20 KC. High input impedance, low output impedance. Inherent distortion less than 1%. 0.5 to 5-volt output varies less than  $\pm 2\%$  with phase shift. Also available as 709-AR (rack mount).

**TYPE 328-A TRANSISTORIZED PHASE METER** — Frequency range 10 cps to 50 kc. Direct reading from 0 to  $360^\circ$  in 6 ranges of  $60^\circ$  each on large 5" meter scale. Absolute accuracy of  $1^\circ$  from 10 cps to 10 kc. Amplitude range .25 to 170 volts peak except at low frequencies. Input Impedance: one megohm shunted by 20 mmf. for each channel. Internal output impedance is approx. 100,000 ohms. Recorder connector provided. Power: 105-125 volts, 60 cycle AC, 20 watts. Terminals provided for operating from an external 45 volt battery, 50 mil drain.

**TYPE 7000-B AUDIO PRIMARY PHASE STANDARD** — Designed for calibration of phase detectors and phase shifting devices but can also be used to measure phase shift. Consists of Type 703-A Oscilloscope, Type 704-A Secondary Phase Standard, and Type 707-A Lissajous Generator. Supplies 2 sinusoidal signals of same frequency whose phase relationship is continuously variable from  $0^\circ$  to  $360^\circ$  with  $\pm 0.05^\circ$  accuracy. Any single frequency available from 60 cps to 20 KC. Output of 1 to 10 volts rms from impedance of approximately 200 ohms.

**TYPE 706-A ULTRA-SONIC PRIMARY PHASE STANDARD** — Calibrates high frequency phase meters, phase detectors, and phase-shifting devices. Generates 2 sine-wave signals having variable phase difference  $0^\circ$  to  $360^\circ$  at any specified single frequency 20 to 200 kc. Phase angle accuracy of  $\pm 0.1$  degree set by observation of multiple frequency Lissajous pattern on built-in scope. Also available as 706-AR.

**TYPE 511-A POWER AMPLIFIER** — Low distortion, low noise and phase shift compensated amplifier for 50 cps to 50 kc range. Output load characteristics: 5 ohms 12.8 watts, 25 ohms 13 watts, 200 ohms 15 watts, 1200 ohms 12 watts, down 1 db at 50 kc. Phase compensation permits application as drive source for Type 7000-B. Also available as 511-AR (rack mount).

### TRANSMISSION AND DELAY MEASURING SETS

Measures the absolute amplitude and relative delay characteristics of 600 ohm transmission circuits in the frequency range from 200 cycles to 24 kc. The instrument consists of two basic units: the 451-A Transmitter and the 452-A Receiver.

The instruments will operate  $32^\circ\text{F}$  to  $130^\circ\text{F}$  and with normal 60 cycle line voltages ranging from 105 to 125 volts. It has an overall precision and accuracy of  $\pm 50$  microseconds and a drift rate not exceeding  $\pm 50$  microseconds per 30 minutes.

### POTENTIOMETER TESTING EQUIPMENT

**TYPE 394-A PONOGRAMETER<sup>®</sup> STANDARD** — Measures equivalent noise resistance (ENR) of single or multiturn precision potentiometers. Provides for establishing threshold level of ENR from 10-2000 ohms. ENR's above threshold level established produce both visual and audio indication. 100 kc frequency response flat to 50 kc. Accuracy is  $\pm (3\%$  of threshold value + 3 ohms). Recovery time is 1.5 seconds maximum. Also available as 394-AR (rack mount). Ideal for incoming inspection or laboratory analysis.

**TYPE 395-C PONOGRAMETER<sup>®</sup> STANDARD** — Calibrates Ponometer<sup>®</sup>. Accuracy 1%. Also available as 395-CR (rack mount).

**TYPE 396-B PONOGRAMETER<sup>®</sup> ATTENUATOR** — Extends range of threshold resistance of Ponometer<sup>®</sup>. Permits direct measurement of ENR's from 10 ohms to 100 k. Frequency response is  $\pm 3$  db from 12 cps to 1.5 mc. Available as 396-BR (rack mount).

### RESEARCH AND DEVELOPMENT

Acton Laboratories, Inc., also has complete facilities and experienced engineering staff to provide specialized research in and development of electronic components and instruments.

### ENVIRONMENTAL TESTING

Testing to military and commercial specifications in a fully equipped Environmental Testing Laboratory is another important service provided by Acton Laboratories, Inc.

**DUAL SPEED DRIVES, Types DSD-1 or DSD-2,** are manually operated speed reducers for high or medium velocity ratios. Features — spring loaded gears and bearings, aluminum dials (3" or 5" diameter available), complete

freedom from backlash within the rated torque output range. Accuracy 6 minutes of arc. Precision drive PDW-1, accuracy 1 minute of arc.

WRITE OR CALL

**CONWAY ELECTRONIC ENTERPRISES**  
MANUFACTURERS AND DISTRIBUTORS OF PRECISION ELECTRONIC EQUIPMENT

1514 Eglinton Ave. W.  
Toronto, Ontario-Canada  
RU. 3-6576 - RU. 3-6676



# Conway brings you— precision equipment

at **VERY**  
low cost

by **TESLA**



**L. C. Meter Model BM366**

This instrument is designed for the accurate measurement of inductances and capacitances. Its small weight and dimensions make it especially suitable for use in laboratories or service workshops. Unit operates at radio frequency and uses the resonance method.

**RANGES OF MEASUREMENT:** Inductance ranges: 0.02  $\mu$ H — 2.5  $\mu$ H, 2.5  $\mu$ H — 12.5  $\mu$ H, 12.5  $\mu$ H — 100  $\mu$ H, 100  $\mu$ H — 1 mH, 1 mH — 10 mH. Accuracy of measurement:  $\pm 2.5\% \pm 0.02 \mu$ H at an ambient temperature of 18°C to 25°C. Capacitance ranges: 0  $\mu$ F - 100  $\mu$ F, 100  $\mu$ F - 1000  $\mu$ F, 1000  $\mu$ F - 10,000  $\mu$ F, 10,000  $\mu$ F - 0.1  $\mu$ F. Accuracy of measurement:  $\pm 1.5\% \pm 0.5 \mu$ F at an ambient temperature of 18°C to 25°C and for C > 25  $\mu$ F. Reading accuracy:  $\pm 0.5\%$  in all ranges. **PRICE \$99.00**



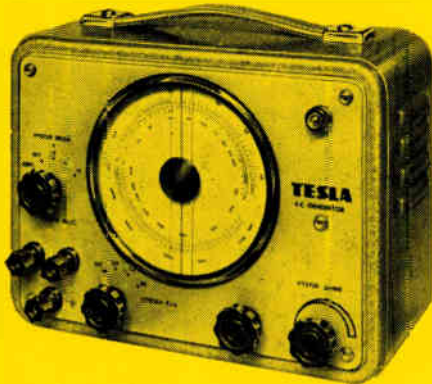
**R. L. C Bridge Model TM393**

**RANGES OF MEASUREMENT:** Resistance: .01 $\Omega$  to 10M $\Omega$ . Can be measured with either DC or AC. Capacitance: 1  $\mu$ F to 100  $\mu$ F. Inductance: 10  $\mu$ H to 1000H. Accuracy: 2% for R and C, 3% for L (average accuracy 1% R and C, 1 1/2% L). Operating frequency: 400 c/s. The unit is entirely self contained employing a tube oscillator giving a signal of excellent waveform. This feeds, via the bridge configuration, a two stage amplifier of high gain in which there is a tuned filter to reject harmonics. Galvanometer is a centre zero type when used in the wheatstone bridge mode and a null indicator when measuring capacity and inductance. No ancillary equipment required. Input 115 V 60 c/s. **PRICE \$150.00**



**Power Supply TESLA BS 275**

This instrument consists of three power sources. The first supplies filament voltages, the second and third deliver stabilized DC. The high tension outputs may be connected in series or parallel enabling the voltage or current to be doubled. Output voltages are continuously variable. Two built-in measuring instruments indicate voltage and current. Filament supply: 2 x 6.3 V/2A; 1 x 12.6 V/1A; 1 x 4 V/3A. H. T. supply: max. 600 V/100mA — controllable. Output control: (a) from 0 to 300 V — 100mA. (b) from 150 to 300 V — 200mA. (c) from 300 to 600 V — 100mA. Ripple component: with two H. T. sources applied independently, less than 10 mV; with the two H. T. sources in parallel or in series, less than 20 mV. Internal resistance: with the two H. T. sources applied independently, less than 50 ohms. **PRICE \$139.00**



**Audio Generator BM 365**

This unit is a source of A. F. voltage of sinusoidal waveform and small distortion content. Its operation is based on a Wien bridge utilizing stabilization.

Frequency bands: 20 c/s — 150 c/s, 150 c/s — 900 c/s, 900 c/s — 5.4 kc/s, 5.4 kc/s — 32 kc/s. Reading accuracy: 0.5%. Output: Asymmetrical, controlled continuously 1:10 and in 4 steps with decadic divider. Frequency response:  $\pm 0.75$  dB over the whole frequency range across the 10 V output. Output voltage stability: 0.25 dB at  $\pm 10\%$  line voltage fluctuations. Output frequency stability: Better than 2% at  $\pm 10\%$  mains voltage fluctuations. Distortion: 2% in the first frequency band, 1% in all other bands. (3% approx. in the vicinity of 60 c/s.) Power supply: 115 V 60 c/s. **PRICE \$87.00**



**A. F. milli-voltmeter BM210**

This unit is designed for the measurement of AC voltages within the frequency range 20 c/s to 100 kc/s. Unit consists of a three stage amplifier with heavy negative feedback applied to all stages. Power supply is stabilized and maintains supply voltages to circuit within  $\pm .5\%$ . Measuring range: 0.01 to 300 V A.C. Full scale deflections: 0.01, 0.03, 0.1, 0.3, 1, 3, 10, 30, 100, 300 V. Frequency range: 20 c/s to 100 kc/s. Accuracy: from 30 c/s to 30 kc/s:  $\pm 3\%$ ; below 30 c/s and above 20 kc/s; better than  $\pm 4\%$  at sinusoidal waveforms. Input impedance: 1.5M approx. Input capacitance: less than 32 pF. Power supply: 115V 60 c/s. **PRICE \$93.50**

**OTHER PRECISION LOW COST INSTRUMENTS AVAILABLE IN THIS RANGE ARE:**

- Precision frequency sources
- Absorption wave meter 100 kc to 50 mc
- Q meters
- Voltage stabilizers
- Frequency modulators
- Distortion meters and noise level meters
- Signal tracers
- DC and AC VTVM's (up to 1000 mc/s)
- Electronic Switches
- Grid-Dip meters
- and many other types

**PLEASE WRITE FOR DETAILS**

# CONWAY ELECTRONIC ENTERPRISES

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## STATIC DYNAMOTORS

- No Moving Parts
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- No Starting Current Surge
- Direct Mount to Mount Replacements for Rotating Dynamotors

## AC-DC POWER SUPPLIES

- Supplied Regulated or Unregulated
- Line and Load Regulation  $\pm 0.25\%$
- Case Designed as Heat Sink



## HIGH VOLTAGE POWER SUPPLIES

- Powers: Cathode Ray Tubes—Infra-red Binoculars—Infra-red Defectors—Photomultipliers.
- Wide Range of Input and Output Voltages Available. Output Voltage from 10 to 30 KV with 0.1 to 10 microampere load. Input Voltage 1.5 to 6 Volts DC.



## AC-DC RECEIVER AND TRANSCEIVER POWER SUPPLIES

- Continuous Duty Operation
- Light Weight
- High Efficiency
- Wide Range of Input and Output Voltages Available. Output Voltage 50-500 Volts DC with Loads from 10-300MA. Input Voltage 6, 12, 28 Volts DC.



## RADIATION MONITORING INSTRUMENTS

- Monitoring of Radio-active Fallout
- Monitoring of Food and Liquid Contamination
- Monitoring of Clothing Contamination
- Detecting Alpha Beta Gamma and X-Ray Radiation



The Universal Transistor Products Corp. are the manufacturers of high quality power supplies and radiation monitoring equipment. UTP's high efficiency, minimum sized, light weight packages are standards in the military and commercial electronic equipment fields. Applications for our equipment range from Mobile Radio to Missiles and from Hospitals to Civilian Defense.

Write for comprehensive catalogs or call Conway Electronic Enterprises, 1514 Eglinton Ave. W., Toronto 10, Ont. Phone RU. 3-6576 or RU. 3-6676.



# UNIVERSAL TRANSISTOR PRODUCTS CORP.

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EDGEWOOD 3-3304

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**NEW!! UNIQUE!!!  
SUPERSENSITIVE!  
World's Foremost!!!**

100,000 OHMS PER VOLT  
10 MICROAMPS  
200 MEGOHMS



TAYLORMETER  
MODEL 100A

This is the only Multirange Meter in North America with a sensitivity of 100,000 ohms per volt, plus mirror scale, knife edge pointer and, most important, a new patented overload protection device effective on all ranges.

The instrument is ideal for measurements in high resistance circuits for laboratory, research and general servicing work in electronics and nucleonics.

Sensitivity: 100,000 ohms per volt DC,  
5,000 ohms per volt AC.

Ranges:  
Volts DC — 0.5, 2.5, 10, 25, 100, 250, 1,000, 2,500 V (25,000 volts by means of an external adaptor).

Volts AC — 10, 25, 100, 250, 1,000, 2,500 V.

DC Current — 10 $\mu$ A, 50 $\mu$ A, 250 $\mu$ A, 1mA, 100mA, 1 Amp, 10 Amps.

Ohms — 0-2,000 ohms (20 ohms centre scale)  
0-200 Kilo-ohms (2,000 ohms centre scale)  
0-20 Megohms (200K ohms centre scale)  
0-200 Megohms (2 megohms centre scale)

All the resistance ranges are with self-contained batteries.

Decibel Ranges: — 10 db to + 15 db (reference level 6 mW in 500 ohms)  
— 2 db to + 23 db  
+ 10 db to  $\pm 35$  db  
+ 18 db to + 43 db  
+ 30 db to + 55 db

Output Ranges: 0-10V, 0-25V, 0-100V, 0-250V, 0-1000V

Accuracy: DC ranges 2% of Full Scale Deflection.  
AC ranges 3% of Full Scale Deflection.  
Ohms ranges 5% Centre Scale.

PRICE \$124.00 TAX INC.

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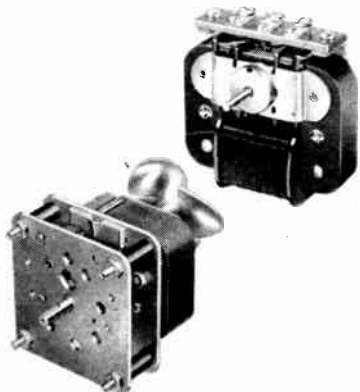
# 1960 Buyers' Guide

## Product Information Section

### Barber-Colman Presents a Large Selection of Fractional Horsepower A-C Shaded-Pole Induction Motors

Item 2510

- Nonsynchronous, unidirectional, or reversible, and synchronous unidirectional types.
- Ratings to 1/20 h.p. at 3000 r.p.m.
- With or without gear reductions.
- No brushes . . . no radio interference.



Barber-Colman motors are the result of nearly 30 years of research and engineering aimed at the design and development of a superior shaded-pole motor. Designed for applications requiring rugged, long-life construction, their high starting torque and low-inertia rotors provide quick, positive starting even under adverse conditions. Standard motors are designed for 115-volt, 60 cycle power supply and clockwise rotation, but are easily furnished for other voltages and frequencies on special order. Counter-clockwise rotation, extended shafts, and special mounting details are also available.

Write for free catalogs on any type motor.

### Unidirectional Motors

Barber-Colman unidirectional motors are designed to give years of service in fan and blower applications at high ambient temperatures. They are also well suited for use in appliances, office machines, electric heaters, draft boosters, pumps, vending machines, vaporizers, and other applications requiring a reliable low-cost motor made from the finest materials. Small size, high starting and running torque, and low cost make these motors the outstanding choice for the simplest as well as the most critical applications.

### Synchronous Motors

Combining accurate timing and high torque with light weight and compactness, Barber-Colman synchronous motors develop 30 times the power of ordinary clock and timing motors. Incorporated in X-ray timers, micro-film cameras, scoreboard timers, oscillographs, viscometers, facsimile recorders, and many other devices, these synchronous motors provide the long life and dependable service vital to critical applications.

### Reversible Motors

Barber-Colman reversible motors are adaptable to a variety of control circuits and speed and power requirements. Their compact construction and low-inertia rotors make them ideal for applications requiring fast reversing at a fraction of the cost of other servomotors. These motors are used extensively in servomechanisms, remote switching and positioning devices, pen drives in recording instruments, voltage regulators, remote control tuning, antenna rotators, tap-changing transformers, and voltage regulators. They are available with or without reduction gearing, in either open or enclosed types.

### Geared Motors

Barber-Colman motors are available with both the enclosed and open gear reductions. Each model is available with many different gear ratios. Barber-Colman engineers will be glad to recommend a motor based on your specifications.

### Barber-Colman Company Canadian Representatives

John Herring & Co. Ltd., 3468 Dundas Street West, Toronto, Ontario, Canada. Rousseau Controls, Ltd., 640 DeCourcelle St., Montreal 30, Quebec, Canada.

Barber-Colman Company General Offices and Plant: Barber-Colman Company, Rockford, Illinois, U.S.A.

To obtain further information on the product write-ups in this section use the post card coupon, page 201.

### New Multitone Personal Call System

Item 2511

No lights, bells, no loudspeakers: message goes direct to tiny vest pocket receiver. All calls are personal. You



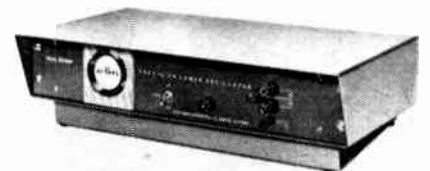
can locate your man in 10 seconds with this economical installation. It may be purchased or rented.

For full information contact Multitone of Canada Limited, 24 Merton Street, Toronto, Ont.

### Complete Line of Elin Precision Power Oscillators for Calibration of AC Devices

Item 2512

Also, power supplies for gyros, synchros, transducers and guidance controls. Available with regulation better than .1 per cent under load and line variations. Frequency range from 200 CPS to 10 KC at outputs of 2, 6,



15, 35 and 50 watts. Multiphase supplies and constant voltage amplifiers can be supplied on special orders.

For further information write to: ELIN Division, electronic instruments, International Electronic Research Corporation, 145 West Magnolia Boulevard, Burbank, California. Canadian Representative: Allan Crawford Assoc., P.O. Box 214, Willowdale, Ontario.

## Ampex Corporation Introduces Three New Magnetic Tape Recorders

Item 2513

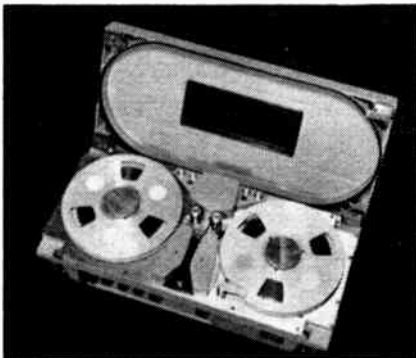
The Ampex Corporation recently introduced three new magnetic tape recorders, developed as a result of extensive user surveys indicating an urgent need for recorders having the diversified recording capabilities of these machines. Two of the new models, the FR-100B and the FR-600, are laboratory-type recorders designed for the storage, transfer and processing of a variety of data for business, military, industrial and scientific applications. The third model, the AR-200, is a multi-track airborne recorder capable of operating up to heights of 100,000 feet. All the machines can be supplied for ½-inch and 1-inch tapes.

### Ampex FR-100B — A Third Generation Recorder

Measuring the best of a human heart or recording telemetered data from a satellite in space . . . just two of the jobs the new Ampex FR-100B does better than any other precision magnetic tape recorder in its price range. This versatile, high performance recorder fulfills the requirements and provides users with complete accuracy for every scientific application.

It is a third generation machine, developed from the FR-100 and FR-100A, and offers its user the benefits of over twelve years of experience gained from the manufacture of thousands of pieces of magnetic tape recording equipment. A plug-in modular design allows accessibility of all electronic components and sub-assemblies; the plug-in amplifiers are interchangeable.

The FR-100B uses a precision plate casting to which all other tape guiding elements are referenced. A single

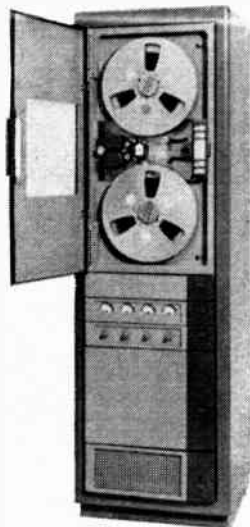


equipment can record up to 14-tracks of direct FM or PDM data or up to 32 tracks of serial or parallel digital data. Six speeds ranging from 60 to 1 7/8 ips are available on the standard equipment, electrically switchable in two overlapping ranges using a four position switch and a simple belt change. Broader speed ranges can be incorporated into the tape transport as required.

### Ampex FR-600 — Advanced Laboratory Recorder

Any data-gathering requirement is accommodated by the Ampex FR-600 laboratory-type instrumentation recorder. Culminating several years of research, this machine offers lower flutter characteristics than any other standard machine presently on the market. Wide-band recording techniques for both frequency-modulated and direct recording are featured. Its special head design and advanced electronics permit direct recording of frequencies as high as 250 kilocycles. FM response from DC to 20 KC within ½ decibel is double that previously available.

Convenience is built right in to the recorder with a new side-by-side design of the tape transport, controls and electronics. Many unique innovations usually considered as expensive accessories are offered as standard equipment on the FR-600.

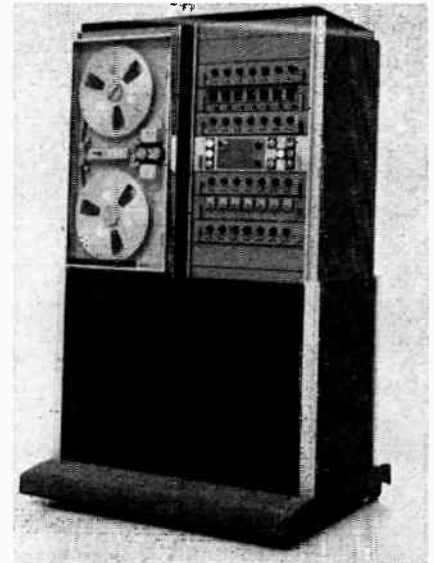


An outstanding improvement is the use of air-lubricated tape guiding instead of the fixed or rotating guides found on earlier machines. Elimination of physical contact between guide and tape reduces friction to a new low, reducing flutter and decreasing tape wear.

The FR-600 is the first Ampex laboratory-type instrumentation recorder to offer all solid-state electronics. FM, PDM, direct or digital recording modes are available through plug-in amplifier modules. Plug-in heads operate on special sliding carriages to minimize tape and head wear by lifting the tape from the heads during rewind.

### Ampex AR-200 — Rugged Airborne Recorder

The Ampex AR-200 is one of the smallest instrumentation recorders developed to date for complete flight data acquisition, yet it offers the maximum reliability. It displaces only 1.6 cubic feet of space, and can accommodate from 7 to 32 recording tracks. It is 57 per cent smaller and 35 per



cent lighter than its predecessors; solid-state components and printed circuitry are used throughout, allowing the volume (1.6 cubic feet) and weight (full system, 90½ lbs.) to be less than that of any other commercially available recorder. The AR-200 assures precise performance under the most extreme environmental conditions. It is designed to be qualified under Mil-specification E-5400-C and will meet Mil-1-26600 for radio interference. It will operate at altitudes up to 100,000 feet and function in 95 per cent humidity. The unit operates on 28-volt DC available in most aircraft and requires only 150 watts for operation. It is extremely rugged and can withstand shocks up to 15 G's.

These precision data recorders are sold throughout Canada by Ampex American Corporation, Ottawa.

For more information, precise specifications and illustrated brochures on these models, write to Ampex American Corporation, Commonwealth Bldg., Room 607A, Ottawa, Ontario, or call Central 6-9763.

To obtain further information on the product write-ups in this section use the post card coupon, page 201.

### 125 Ohm Constant Impedance Connectors

Item 2514

Electronic Components Corp'n. (ECCO) in conjunction with a licensing arrangement with the University of California, is now in a position to deliver the newly developed CONSTANT IMPEDANCE CONNECTORS.

For complete details as to its characteristics and of the types that are currently available write to: Prime Electronic Components Ltd., 868 Dundas Highway East, Dixie, Ontario.

## Little Triplett Hand-Size Test Instruments

Item 2515

Len Finkler Ltd. offers a wide range of new and unique products for the audio-video and general electronics industries. Some recent interesting additions to this company's range include:

LITTLE TRIPLETT Hand-Size Test Instruments — a series of four miniature meters, lightweight and rugged for maximum portability. Standard case measures only 2 3/4" x 4 1/4" x 1 3/8" and average unit weighs less than 14 ounces. The series comprises an A.C. Ammeter (60 cycle) with five ranges from 0-1 up to 0-25. A clamp-on adapter gives ranges 0-6 up to 0-300.



Accuracy 4% DC Millivoltmeter with five ranges, 0-10 up to 0-1,000. Accuracy 2% on all ranges; an Ohmmeter with three ranges, 0-50, 0-500 and 0-5,000 and with a 1 Ohm centre scale on the 0-50 range. Accuracy 3%; Ohms-Megohmmeter with five ranges. 0-2,000 to 0-200,000 and 0-2 and 0-20 Megohms plus a 20 ohm scale on the 0-2,000 range. Accuracy better than 3%. Cases are molded from high-impact black styrene and scale window is the same material but crystal clear. A handsome leather carrying case is available which can be slipped on trouser belt.

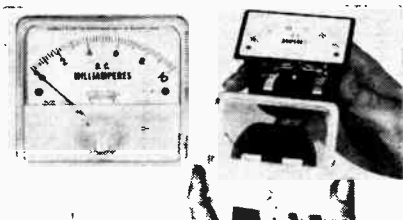
Illustrated brochure available on request from: Len Finkler Ltd., 1794 Avenue Road, Toronto, Ont.

## New Triplett Unimeter

Item 2516

The Triplett Unimeter affords a new way to have a variety of 3" and 4" panel meters at low cost combining any number of Dial Component sections with a separate Basic Movement Section.

Since the basic movement accounts for the greater part of the meter cost, this new Triplett development permits a much more flexible inventory by stocking the minimum number of basic



meter movements and a maximum quantity of inexpensive Dial Components.

The assembly process is error-proof and requires only a matter of five to six seconds. Simply slide the two

sections together, and lock with a thumbscrew on the back.

Other features of this new Unimeter: Self-shielded Bar-Ring movements; AC and DC linear scales; extreme accuracy; dustproof construction; instant conversion standard mounting; also available in three standard kits.

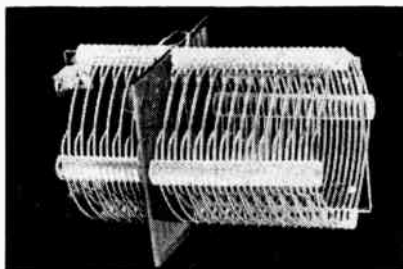
Write for further information: Len Finkler Ltd., 1794 Avenue Rd., Toronto.

## New Air Core Inductors Designed for Amateur and Prototype RF Rigs

Item 2517

A versatile new series of air core inductors designed specifically for amateur or prototype RF transmission use is now available in Canada from Len Finkler Ltd. These low-cost coils, called Air Dux, may be used for pi output circuits, conventional LC output circuits, interstage and oscillator circuits.

The series consists of a standard coil type, a variable pitch type and an indented type, in a range of diameters from 1/2" to 3". They are constructed of tinned (silver or formvar) copper wire wound on large low-loss polystyrene rods. The rods provide the maximum physical properties with the lowest possible electrical loss.



Unbalanced coax lines on most transmitters can be matched by using the low cost Air Dux 'Balun'. Balanced impedance of 75 or 300 ohms is achieved on transmitters or receivers without adjustment of the frequency range beyond 80-10 meters. Power inputs of up to 200 watts are handled. Coils and hardware are available separately or fully assembled on a mounting plate.

Write for further information: Len Finkler Ltd., 1794 Avenue Rd., Toronto.

## Sub-Miniature Soldering Instruments

Item 2518

A new range of sub-miniature soldering instruments manufactured by Oryx Electrical Laboratories Limited of England are now available in Canada from Len Finkler Ltd.

These new Oryx irons come in a range of sizes from 1/8" diameter up to 3/8" and in a variety of shapes. They possess an unusually high heat efficiency with 6 watts producing 542 degrees F. in the smallest size and up to 932 degrees from 24 watts in the largest.

The voltage range is 6 to 24 volts AC, provided by a special filament

transformer unit, also serving as a mounting rack for the irons. The formerless helically wound heating element is contained within a woven Silicite insulation sleeve providing excellent shock protection. This design



feature and the low voltage operation is claimed by the manufacturer to assure almost indefinitely long life.

A full range of interchangeable push-on tips in both solid nickel and nickel plated copper alloy are available. The Oryx iron in the smaller sizes weighs less than 1/4 oz. and is only 6" long. A complete transformer unit with two irons is quite inexpensive.

Further information and prices available from: Len Finkler Limited, 1794 Avenue Road, Toronto, Ont.

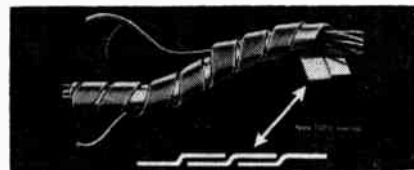
To obtain further information on the product write-ups in this section use the post card coupon, page 201.

## Two New Plastic Cabling Materials Available in Canada

Item 2519

Both mass-production and prototype cabling is simplified with the use of two new plastic materials now available from stock in Canada from Len Finkler Ltd.

Spiral-Wrap, an expandable polyethylene tube formed from wound strip, is available in 1/4" and 3/8" nominal diameters for general purpose cabling. Both sizes expand up to 2" diameter without loss of form. Stand-



ard colors are white, blue, black and red but other colors are available to order. Minimum inside diameters of the two nominal sizes are 1/8" and 1/4" respectively.

For critical applications — high or low temperatures, etc. — a Teflon spiral cover material is available. This material, in strip form, is simply spiral wound over wire — the shape of the strip being such that a 100% overlap is maintained. The result is a very tough sheath which will withstand heavy abuse and abrasion.

Ask for further information: Len Finkler Limited, 1794 Avenue Rd., Toronto.

## Miniature Precision Capacitors For Laboratory Standards

Item 2520

A new range of miniature precision capacitors within a tolerance of  $\pm 0.1\%$  (one-tenth of one per cent) are now available in Canada. Manufactured by ARCO Electronics Inc., they are designed as laboratory standards with long term stability but are of sufficiently low cost to be used in original equipment.

The new ARCO components are of the stabilized silvered-mica type in a range from 0.1 mfd to 0.5 mmfd. They



are individually packed in instrument type cases or are available in complete sets of 23 or 32 units. A four position adapter is available for multiple combinations. The range permits any capacitance from 0.1 mmfd to 0.5 mfd in increments of 0.1 mmfd to be calibrated. The tolerance of 0.1% applies within a frequency range of 100 cycles to 20 kilocycles.

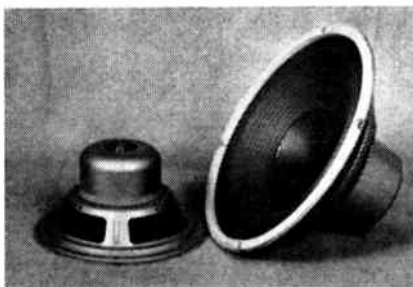
Besides the laboratory application, these ARCO units are being used extensively in instrumentation timing circuits, precision filters, gyro and servo systems.

Complete information and specs from Len Finkler Limited, of Toronto.

## New Low Cost Line 8 and 12 Inch HI-FI Speakers

Item 2521

Marsland Engineering Limited wish to announce the new low cost line of Hi-Fi speakers in two sizes, 8 and 12 inches, designated as Imperial 800 and Imperial 1200 respectively. They feature wide range realistic sound reproduction from carefully selected



diaphragms equipped with separate cones for the high frequencies, heavy Alnico 5 magnets and attractive enameled metal frames.

Units are available to manufacturers direct from the company or from Tenatronics Limited to the jobber trade.

For full information contact: Marsland Engineering Limited, 154 Victoria Street, Kitchener, Ontario.

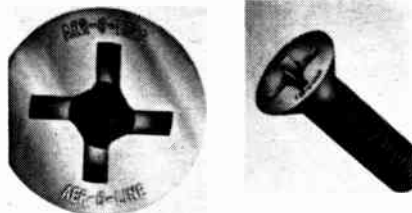
## New High Torque Fasteners From Aer-O-Line

Item 2522

Can be seated with standard driving equipment or hand tools; offset recess design prevents reamout even under extremely high torque.

A new line of patented offset recess fasteners capable of withstanding up to 300 inch-lbs. of torque per  $\frac{1}{4}$ -28 thread using 160,000 to 180,000 P.S.I., heat treated alloy steel has been announced by the Aer-O-Line Manufacturing & Supply Co., of Burbank, Calif. Called Aer-O-Torq<sup>®</sup> recess bolts, these new high strength fasteners can be seated with standard driving equipment fitted with offset bits as well as hand tools.

Developed especially for missile and aircraft applications requiring a high torque recess that would not cam out or ream out, the new units can also be furnished as machine screws, bolts or self-tapping screws for industrial and commercial use. Aer-O-Torq bolts overcome the problem of recess failure under high torque. For example, when used in aviation skin applications or on missile inspection plates, fasteners frequently corrode in place and "freeze". This is especially true at outdoor firing sites. Field tests have



proved that even securely frozen Aer-O-Torq fasteners can be unseated without reaming or cam-out.

Aer-O-Torq bolts differ from conventional fasteners in the design of the recess. Recesses are offset from one another, providing added metal build-up (shoulders) between each recess. The new units will withstand up to 170 inch-lb. more torque than can competitive standard fasteners.

Sizes available range from 2-56 up to 1" dia., in all standard metals as well as A-286, Inconel X and Titanium B120VCA.

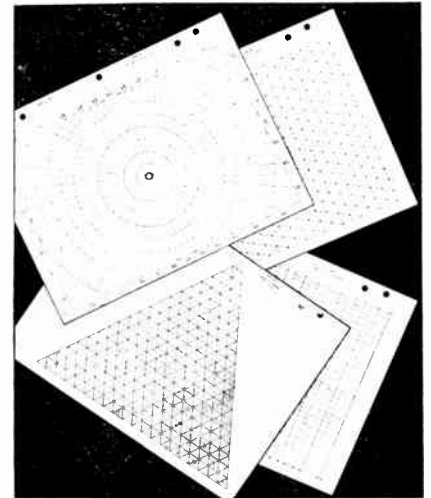
For further information, contact Mr. R. J. Cicconi, Sales Manager, Aer-O-Line Mfg. & Supply Co., 3110 Winona Ave., Burbank, Calif. Telephone Victoria 9-1411.

To obtain further information on the product write-ups in this section use the post card coupon, page 201.

## Micro-Graph Graph Sheets

Item 2523

Canadian Charts & Supplies, recording chart specialists, produce a wide variety of graph sheets which are sold under the trade name of "Micro-Graph". These graph sheets are the only complete line made by a Canadian company.



Because of their experience in producing recording charts and their precision printing facilities C.C. & S. are uniquely equipped to produce special purpose graphs, and graphs which have to be produced to close tolerances. Enquiries are invited.

Please ask for Graph Catalog.

Canadian Charts & Supplies Limited, Box 10, Oakville, Ontario.

## Vaneaxial Fan by Hoover

Item 2524

Pictured is the Aximax 2F, a 115-volt, 400 c/s vaneaxial fan presently being manufactured by The Hoover Company, Hamilton, for Collins Radio Company of Canada Limited.

Although the fan weighs only 4.5 ounces and is only 2" x 2" x 1 1/2" long, it delivers 50 cfm at 1" w.g. pressure.



These characteristics make it ideal for use in compact ground or airborne electronic equipment where air flow resistance is high and ambient temperatures may exceed 100°C. MIL requirements for environmental conditions can be met.

For further information on the above unit write to: The Hoover Company Limited, Hamilton, Ont., Canada.

## 400-Watt Transmitter

Item 2525

The LT-4000 is a 400-watt medium frequency transmitter, designed for use in telephone company and airline base stations, and reliable point to point systems.

The standard LT-4000 is an AM unit, providing 400 to 450 watts carrier, continuous duty rating, on one frequency between 2 and 8 mc. However, it can be supplied for CW or MCW, and at frequencies up to 30 mc. Special multi-channel models are also available.

Complete remote control facilities are available, using a two-wire balanced line, and ground return.

Plate modulation is used. An adjustable peak limiter permits a high average modulation level for speech, without danger of overmodulation. A neon flasher gives warning when the modulation exceeds 95 per cent.

The eight chassis of the standard model occupy 70<sup>3</sup>/<sub>8</sub> inches of standard 19-inch rack space. A handsome rack-cabinet, with front and rear doors and ventilation hood, is optional.

Power requirements are 300 watts standby and 2500 watts maximum, from a 117 or 230 volt single phase 60 cycle supply.

The unit is manufactured by Spilsbury & Tindall Ltd., of Vancouver, B.C.

For technical details write S & T Sales Ltd., 120 East Cordova Street, Vancouver 4, B.C.

## CR192 V.H.F. Power Triode

Item 2526

This is a forced-air cooled tube for use in television and other V.H.F. applications.

It delivers 9 Kw of power in class C up to 220 Mc's.

The design features are: Coaxial electrode structure; squirrel cage filament of thoriated tungsten; platinum-clad molybdenum grids accurately aligned to minimize screen cooling, efficient shielding, reduced inductance and reduced R.F. losses.

For further information write to: Electronic Tube and Components Division, Canadian Marconi Company, 830 Bayview Avenue, Toronto 17, Ont.

## On-Off Indicator (Leetronics, Inc.)

Item 2527

The unit is of coil and armature construction small, lightweight, and resistant to shock and high ambient temperatures. Available with pointer



or hermetically sealed shutter indicator.

Operates on any voltage up to 120 volts AC or DC, at frequencies up to 2500 cps without rectification. Power consumption as low as 50 mw.

For additional information write to: Prime Electronic Components Ltd., 868 Dundas Highway East, Dixie, Ontario.

To obtain further information on the product write-ups in this section use the post card coupon, page 201.

# CERL-DALE HAS THE EXACT RESISTOR TO MEET TOUGH REQUIREMENTS

RS TYPE is designed to meet precision power requirements in advanced electronic circuits where space is at a premium. Outstanding silicone coating maintains stable performance under adverse environmental conditions.

- Eight wattages— $\frac{1}{2}$ , 1, 2, 2.5, 3, 5, 7 and 10
- Ten sizes, from  $5/16'' \times 5/64''$  to  $1-25/32'' \times 3/8''$
- Resistance range from .05 ohm to 175K ohms, depending on size and type.
- Precision tolerance range  $\pm .05\%$  to  $\pm 3\%$

Ask for Bulletin CR-23

L and S TYPES are vitreous enamel coated power resistors designed to give reliable performance and long life under rigid requirements. Available with ferrule mounting, TYPE S, or with lug terminals, TYPE L.

- Twenty five wattages—5 watts to 225 watts
- Twenty six sizes, from  $1'' \times 5/16''$  to  $12'' \times 1 1/8''$
- Resistance range from 3.3 ohms to 220K ohms, depending on size and type.
- Standard tolerance: 10%
- Also available as adjustable resistors.

Ask for Bulletin DS1000

CERL-DALE manufactures a complete selection of wire wound, deposited carbon and metal film resistors; wire wound and carbon trimmer potentiometers. Write for complete catalog.

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LTD.  
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## FROM ASSOCIATED

11 SIZES give maximum construction flexibility.  
5 W. TO 30 W. with axial leads.

ZD TYPES with CONSTANTAN wire holds precise value within 0.5% over full Temperature range.

GD TYPES with special chrome-nickel wire stands continuous 400°C for life, exceeding 10,000 hours.

Stocked in values from 0.75Ω — 20 kΩ.

Tolerance ±10%, ±5% and ±2%.

Request free samples for your circuitry.

### High Stability - High Power



R.W.I. WIREWOUND

LONG LIFE — LOW COST

### TOBIAS JENSEN Capacity Standards for Computer and Laboratory Work

Capacity range: 0.01 Mfd to 1.0 Mfd.

Capacity tolerance: ± 0.1%, 0.25%, 0.5% and 1.0%.

Working voltage: 100VDC or 200VDC.

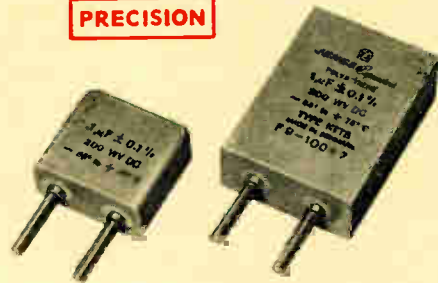
Temperature coefficient of capacity: Neg. 100 p.p.m.

Insulations resistance minimum 500,000 Meg ohms/Mfd.

Q : 2500 minimum.

Request Engineering Bulletin KTTS.

PRECISION



### BE SWITCHED BETTER

Maximum dependability — minimum size and cost.

2 — 12 keys with 6-pole double throw.

Depth 1 7/8" — width 1 1/8" per key — height 3/4".

Low Loss insulation.

Inter-section shielding available.

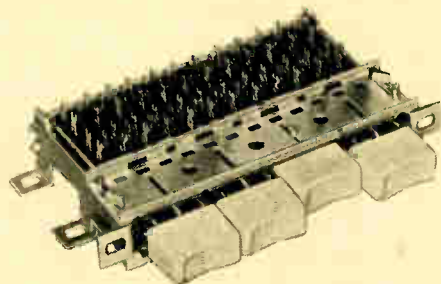
Standard solder lugs or "specials" for printed circuit.

2-p.s.t. Power switch available.

Type OEA unit shown in sample lots \$2.40 ea. S.T.I.

Many special OE variations available in quantity.

OE surpasses other switches in its price range.



BY TOROTOR

## Associated Electronic Components Ltd.

37 ROSELAWN AVE., TORONTO 12, ONT.



## Nylon Cap Clinch Nuts

Item 2528

A new miniature self-locking clinch nut with an integral nylon cap has been developed by the Elastic Stop Nut Corporation of America, Union, New Jersey, for use in the increasingly wide variety of miniaturized electronic components for aircraft, missiles and electrically controlled and operated industrial equipment.

Designed to meet the strength, vibration and shock requirements imposed upon today's avionic and electronic components, the new type NKCFCM miniature cap clinch nut saves space, weight and reduces inventory, compared to the larger standard clinch nuts. The integral nylon cap protects the bolt threads against corrosion, chafing of wires by exposed bolt ends, effectively limits corona and electrical discharge in high voltage circuits, and seals internal or external pressures up to 80 psi past the bolt threads. The one piece cap and locking element is made of special heat stabilized nylon which will perform effectively under environmental temperatures up to 350° F. The increased temperature range of the new stabilized nylon cap facilitates use of the parts in electronic components which require potting for protection against moisture, dust and vibration conditions.



Installation may be by hand or for volume production, using a riveting or spinning technique. The parts are pressed into drilled or punched holes in aluminum or soft steel sheet and fixed in place by expanding the shank. Shank lengths of .040 and .060 are available in each thread size to insure adequate grip and flush mounting. Recommended minimum material thickness is .030 for practical flush installation.

The new ESNA NKCFCM is available in thread sizes 4-40 through 10-32 and is made of steel, cadmium plated and stainless steel, plain finish. NKCFCM parts meet performance specifications of AN-N-10 and/or MIL-N-25027 (ASG).

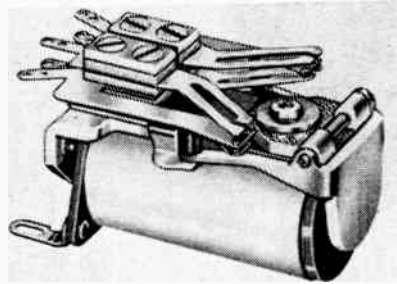
For further information on these Nylon Cap Clinch Nuts write to: Elastic Stop Nut Corporation of America, 2330 Vauxhall Road, Union, New Jersey.

## Comar Relays

Item 2529

Whatever your relay specifications call for, COMAR is your best source.

Comar relays are standard basic designs which can be modified to give you any desired combination of



coils, switch arrangements, contact materials, insulation and mounting. This flexibility of design and assembly enables Comar to give you relays "tailor-made" to fit your exact needs, at comparatively low cost. All units are precision engineered and must meet rigid inspection standards to insure uniformly high quality and dependable operation.

Comar specializes in relays custom matched to the product for easier installation and better performance at low cost. A complete range of custom matched solenoids is also available.

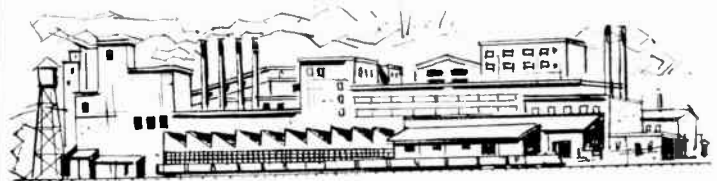
For further information on Comar Relays write to: Musimart of Canada Limited, 901 Bleury Street, Montreal.

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*the world's finest, most dependable sound reproducers - from Britain*

# Monarch

by BIRMINGHAM SOUND REPRODUCERS LIMITED

## Monarch

### UA 12

The widely respected, deluxe 4-speed automatic changer with color-accented styling. Superbly engineered simplicity of operation. Plays ten records, any size, in any order. Removable rubber turntable mat. Adjustable stylus pressure.



These are Britain's finest — a family of fine sound-reproducing units created by BSR, embodying the advantages of pioneer research and leadership in the manufacture of record changers. Unique BSR know-how combines quality with economy. BSR facilities bring dependability of performance within the scope of mass production. BSR record changers are tone-engineered for the ultimate in stereophonic and monophonic sound.

Now, first among the finest, BSR brings to the enjoyment of good sound two new Monarchs — the UA 14 and the UA 10 . . . clean-lined beauty and functional design to please the eye . . . mechanical excellence and dependable performance to delight the ear.

Today, more than ever, Monarch is the choice of leading producers of fine record-players the whole world over.

## Monarch

### UA 8

Four-speed automatic changer, plays ten records intermixed, any size, any order. Noted for sturdy construction and trouble-free performance. Removable rubber turntable mat. Adjustable stylus pressure.



*Monarch*  
*is distinguished by the company*  
*it keeps!*

BSR proudly and gratefully acknowledges the preference for its products, as expressed by the following Canadian companies who choose Monarch record-changers:

- CANADIAN MARCONI COMPANY
- DOMINION ELECTROHOME INDUSTRIES LTD.
- ELECTRICAL PRODUCTS MFG. CO. LTD. (FLEETWOOD)
- RCA-VICTOR CO. LTD.
- ELECTRONIC ENTERPRISES LTD. (SYMPHONIC)
- SPARTON OF CANADA LTD.
- CANADIAN WESTINGHOUSE CO. LTD.
- ARROW ELECTRONIC CORP.
- LIFCO RECORD PLAYERS
- NOREL ELECTRICAL PRODUCTS
- FANON ELECTRONICS
- MONTREAL PHONO CO. LTD.
- ROTOR ELECTRIC CO. LTD.
- SHELBERN INDUSTRIES (CANADA) LTD.

## Monarch

### TU 9

Dependable 4-speed Turntable unit, with mechanical on-off switch. Separate pickup arm with adjustable stylus pressure, matched to the turntable unit, is also available independently.



## ful-fi

### CARTRIDGES

A complete range of high-quality crystal turnover cartridges, featuring unique snap-in construction for ease of stylus replacement. Full-frequency range and lowest distortion.



**TC 8M** Medium-output monophonic cartridge. Turnover for LP monophonic and 78 r.p.m. records.

**TC 8H** High-output monophonic cartridge. Turnover for LP monophonic and 78 r.p.m. records.

**TC 8S** Use-tested, widely accepted stereo-phonc cartridge. Turnover for stereophonic LP and 78 r.p.m. standard records.

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Musimart OF CANADA LIMITED

**new**  
*for 1960*



*Monarch*  
**UA 14**

This is the ultimate in automatic record changers — compact, superbly, yet economically engineered, beautifully styled, and worthy of any fine instrument. Full-intermix ten-record play. Removable rubber turntable mat. Adjustable stylus pressure.



*Monarch*  
**UA 10**

Freshly styled to please the eye, soundly engineered to meet the standards of the discriminating listener. Plays 10 records, sizes intermixed. Removable rubber turntable mat. Adjustable stylus pressure.



## **TAPEDECK TDI**

A quality unit for tape recording and reproduction, in the tradition of the great series of BSR Monarch record changers, — created for use in fine equipment, yet modestly priced . . . superbly functional, with single-button operation for playback, fast forward and fast rewind. Mechanical interlock prevents accidental erasure of recorded material. No cumbersome tape-threading required. Single speed:  $3\frac{3}{4}$  in./sec.

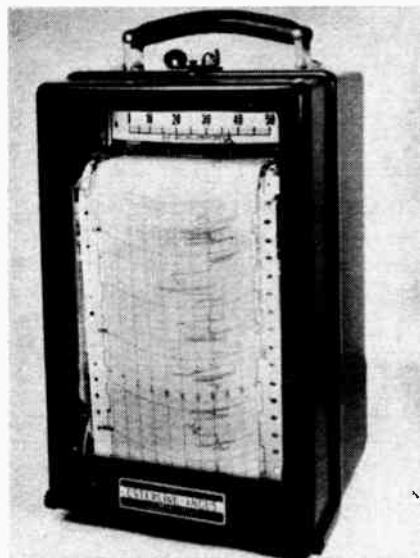


**ELECTRONICS DIVISION • 901 BLEURY ST., MONTREAL**

## Recording DC Microammeter

Item 2530

A recording DC microammeter that unites extra-sensitivity, ruggedness, and simplicity of operation is now being manufactured and marketed by The Esterline-Angus Company, Box 596, Indianapolis 6, Indiana. This new microammeter has a basic range of 0-50 microamperes DC with an approximate input resistance of 200 ohms. DC voltage ranges of 0-10, 50, and 200 millivolts are also included. A drift-free magnetic amplifier, powered by 120 volts, 60 cycles, is combined with a proven permanent-magnet moving-coil movement to assure high stability and long trouble-free service. Accuracy within 2 per cent of full scale is guaranteed.



This recording microammeter can be used in any circuit providing up to 50 microamperes DC. It may be operated with normal left hand zero or set for center zero operation for such applications as null detection in bridge circuits. The recording microammeter can be used in series with or as a substitute for indicating instruments that give only instantaneous readings, thus providing permanent records previously obtained only through manual data plotting.

The instrument is offered in portable models and models designed for permanent mounting. Motor or spring driven chart drives are offered. Chart speeds of  $\frac{3}{4}$  inch per hour through 12 inches per minute are standard on all models.

For additional information, write for Catalog Section 41, Esterline-Angus Company, Box 596, Indianapolis 6, Indiana.

To obtain further information on the product write-ups in this section use the post card coupon, page 201.

## VHF-FM Fixed Central Station

Item 2531

The company announces the development and production of its Type S.Y.30.C, 30 Watt, V.H.F., F.M., Fixed Central Station and associated Remote Control Type SAC-1, which will complement and expand their present line of V.H.F. communications products.



Systems communications products are designed and produced in Montreal; this product line consists of Very High Frequency and associated apparatus to meet communications requirements in the point-to-point Mobile and Marine fields of operation.

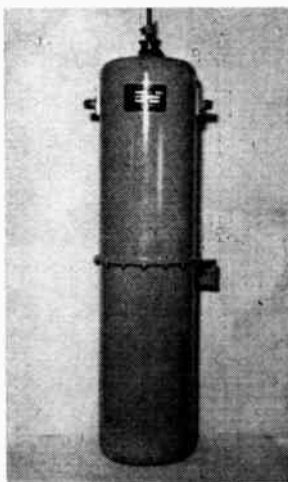
The company are also exclusive representatives for Hasler, Berne, Switzerland, manufacturers of Automatic Telephone Switchboards, P.A.B.X., P.A.X., Specialized relays, switches, components, T.O.R. (Teletype on Radio) Radio Paging Systems.

For further information write to: International Systcoms Limited, 8235 Mountain Sights Ave., Montreal 29.

## New Band Pass Filters for the VHF and UHF Bands

Item 2532

Sinclair Radio has developed a new high Q band pass cavity for use in the 150-174 Mc and 450-470 Mc bands.



The unit is continuously tunable with a coarse and a vernier adjustment and has an invar tuning mechanism for temperature compensation. The coupling loops are readily interchangeable to provide the desired selectivity and insertion loss. The total weight is less than 10 lbs.

For further information write to: Sinclair Radio Laboratories Ltd., 21 Toro Road, Box 179, Downsview, Ont., Canada.

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Only a complete Canadian instrumentation facility can offer the kind of service Canadians need. Bach-Simpson Ltd. is complete — in research, design, tooling and manufacture.

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Others have, and have been completely satisfied!

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from the I.R.E. Canadian Convention

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the only Award presented by the I.R.E. Canadian Convention was made to Bach-Simpson Limited. This, the first Award ever given by the Convention, recognized the 2610 Wide Band Laboratory Oscilloscope as the most outstanding new Canadian development exhibited in 1958.

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**BACH-SIMPSON**

## FREQUENCY CONTROLLER-INDICATOR

received the I.R.E. Award for the most outstanding new Canadian component exhibited at the 1959 I.R.E. Canadian Convention.

The Bach-Simpson Frequency Controller-Indicator is designed to indicate and control by a sampling method, the frequency of a power generating system. The same control principle can be applied to any quantity (i.e. voltage, temperature, etc.), which can be indicated on a switchboard meter.



**Behlman INVERTRON Offers a Portable AC Power Source and Power Amplifier**

*Item 2538*

Precisely controlled AC power and AC power amplification are now available practically anywhere, anytime, through the Behlman Portable INVERTRON. Completely self-contained, INVERTRON is easily carried by one man, in the same manner as a piece of luggage. It operates anywhere on an input of 115V, 60 cycles, single phase. Smaller operations now have the advantages of completely electronic INVERTRON AC power, while larger operations enjoy the added flexibility of a separate, portable AC power unit.



INVERTRON has an output of 150 Volt Amperes, variable from 0 to 130 volts. Output frequency is 400 cps, accurate to 0.5 per cent. Or if desired, any fixed frequency between 100 cps and 4000 cps may be obtained by driving from an external source through the front panel jack provided. Signal strength requirement is 25 volts across 250,000 ohms.

The Portable INVERTRON, model 151-C-1E shown at left, measures 9" wide, 13" high and 14 3/4" deep. Free catalog information on this and other INVERTRON models is available.

For further information on this product write to: Behlman Engineering Company, 2911 Winona Ave., Burbank, Calif., U.S.A. or their Canadian representative: Electromechanical Products, Markham Road, Agincourt, Ontario.

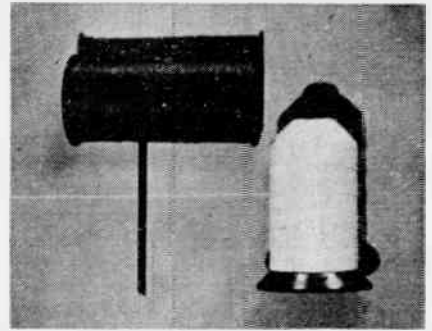
**Electronics Lacing Cords and Tapes**

*Item 2539*

Flat braided lacing tapes have a wider contact area with plastic and rubber insulated wires and are recommended for all types of wiring harness work.

Round twisted lacing cords are particularly suited for wires having a secondary insulation or with textile as the insulating material.

Tape and cords are both available in nylon, dacron and fiberglass materials in black and white. They come



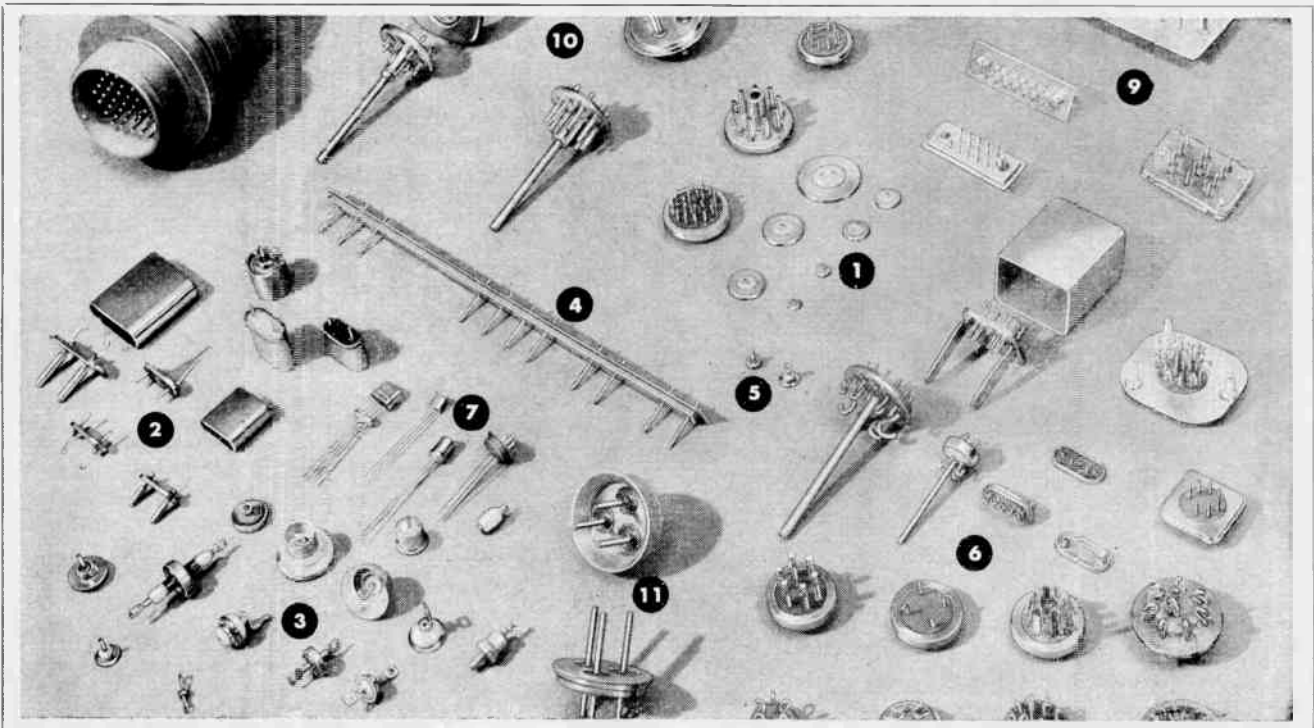
in five special finishes — ge, synthetic rubber-like resin; mw, micro-crystalline wax; am, thermoplastic synthetic resin; Tf, teflon resin; sr, synthetic rubber — to suit particular temperature requirements and as needed for miniature and sub-miniature mechanisms.

Nylon flat and round lacing cords and tapes are produced to MIL-T-713A Government specifications.

Write for complete Lacing Cord Catalog and Alpha Wire Catalog to Alpha Aracon Radio Co. Ltd., 555 Wilson Ave., Downsview, Ontario.

To obtain further information on the product write-ups in this section use the post card coupon, page 201.

**Glass to Metal Seals HERMETIC SEALS for every electronic use**



Made in Canada by Canada's only manufacturer of Hermetic Seals

- 1. Tubular Button Seals
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- 5. Stand-off Terminals
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For vacuum sweepers, fans, power tools, etc., and radio and electronic equipment.



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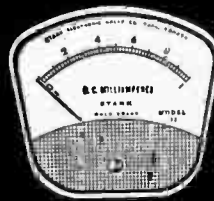
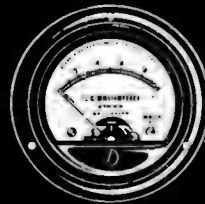
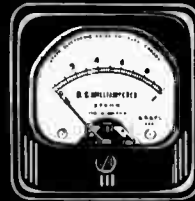
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Now everyone can afford quality meters by Stark. Never before have meters of such quality, accuracy and reliability been offered at such low prices.

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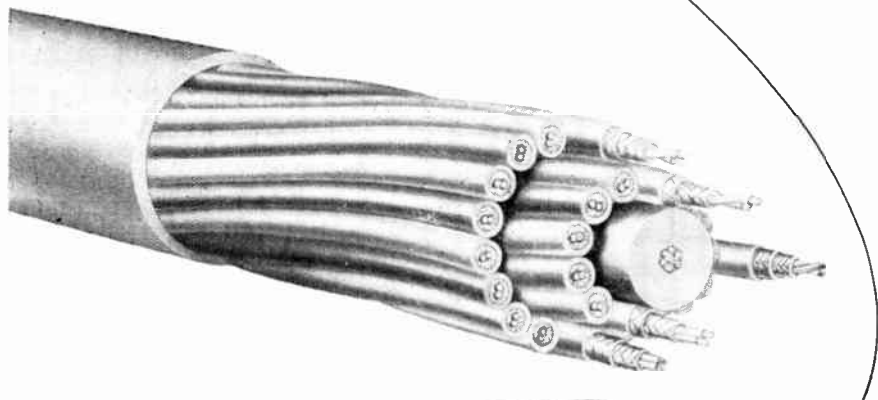


**STARK ELECTRONIC SALES COMPANY**

AJAX, ONTARIO



# High Temperature WIRES and CABLES

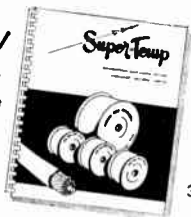


Save Time WITH Super-Temp

MAGNET WIRE • LEAD WIRE • MINIATURE CABLES • JUMBO CABLES  
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| Wire or Cable                 | Primary Insulation                 | Colors MIL-Std-104           | Operating Temperature | Jackets                                 | Remarks  |
|-------------------------------|------------------------------------|------------------------------|-----------------------|---|--|
| Cables-Class H                | Teflon, Extruded or Tape Wrapped   | Solid & Striped              | -90°C - +260°C        | TFE & FEP Teflons Impregnated Glass     | Any combinations of conductors and shielding required.                             |
| Cables-Class A                | Teflon, Extruded or Tape Wrapped   | Solid & Striped              | -54°C - +105°C        | Nylon Braid Nylon Ext PVC               | Any combinations of conductors and shielding required                              |
| Cables-Coaxial                | Teflon, Extruded                   | Jackets Only Solid & Striped | -90°C - +260°C        | TFE & FEP Teflons Impregnated Glass     | Conforms to MIL-C-17B and MIL-C-8721.  |
| Magnet Wire                   | Teflon Film                        | Solid Only                   | -90°C - +260°C        | —                                       | Conforms to MIL-W-19583, Type III.   |
|                               | Silicone or Isonel Film            | Natural                      | to 155°C              | —                                       | Conforms to MIL-W-19583, Type II.  |
| High Temperature Hook-up Wire | Teflon, Extruded or Tape Wrapped   | Solid & Striped              | -90°C - +260°C        | —                                       | Conforms to MIL-W-16878, Types E & EE or other special specifications as required. |
|                               | Extruded Silicone Rubber           | Solid                        | -55°C - +200°C        | Teflon Impregnated Glass, Nylon, Oacron | Conforms to MIL-W-16878 Types F & FF   |
| Thin Wall Hook-up Wire        | Teflon, Extruded or Tape Wrapped   | Solid & Striped              | -90°C - +260°C        | —                                       | Operating voltage 300 v rms  |
| Airframe Wire                 | Teflon Tape Plus Impregnated Glass | Solid Only                   | -60°C - +205°C        | —                                       | Conforms to MIL-W-7139A  |
| Sub Miniature Hook-up Wire    | Teflon Film                        | Solid Only                   | -90°C - +260°C        | —                                       | Double quad coating for small diameter at 300 v rms                                |
| Hook-up Wire                  | Polyvinyl Chloride                 | Solid & Striped              | -55°C - +105°C        | —                                       | MIL-W-16878, Types B, C & D. Plain or with Nylon coating                           |
|                               | Extruded Silicone Rubber           | Solid                        | -55°C - +150°C        | Teflon Impregnated Glass, Nylon, Oacron | Conforms to MIL-W-8777A  |

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## Super-Temp

**American Super-Temperature Wires, Inc.**

Subsidiary of Haveg Industries, Inc.

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"TWX BURL VT 25"

Agents in principal electronic manufacturing areas

\*DuPont's TFE Resin

### Conrad Temperature-Altitude Chamber

Item 2540

Temperature-altitude chamber, Conrad Model FH-63-705-705, has a 7' high by 3' wide by 3' deep interior.

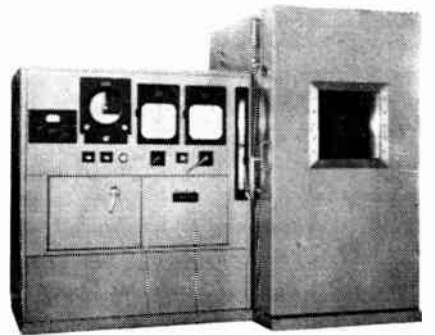
The temperature range is -100 degrees F. to +300 degrees F.

Altitude to 200,000'.

Special features:

Electronic temperature recording controller with programming and automatic proportioning of heating and cooling.

Recording and controlling of altitude conditions.



A manometer for indicating altitude and a radiation gauge for indicating altitude pressure conditions throughout the range.

Adjustable rate of climb and rate of dive valves and altitude precision needle valve control for altitude are also included.

This chamber is designed specifically for testing complete assemblies of electronic equipment at combined temperature-altitude conditions. The chamber will accommodate a complete relay rack assembly at one time.

Temperature-altitude change rates are very rapid, and precision control can be obtained throughout the range.

For further information, contact Conrad, Inc. in Holland, Michigan or the nearest field office.

To obtain further information on the product write-ups in this section use the post card coupon, page 201.

### Miniature Transistor Products by Ferrotran

Item 2541

A regulated DC power supply delivers any fixed voltage from 5 to 90 volts.

An audio amplifier, completely tubeless.

The largest stock selection of miniature audio and rectifier transformers.

A full line of test equipment and equipment type power supplies to service transistor, magnetics, servo, radio, and TV labs.

For additional information write to: Prime Electronic Components Ltd., 868 Dundas Highway East, Dixie, Ontario.





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The *right test equipment* can save you time and money.

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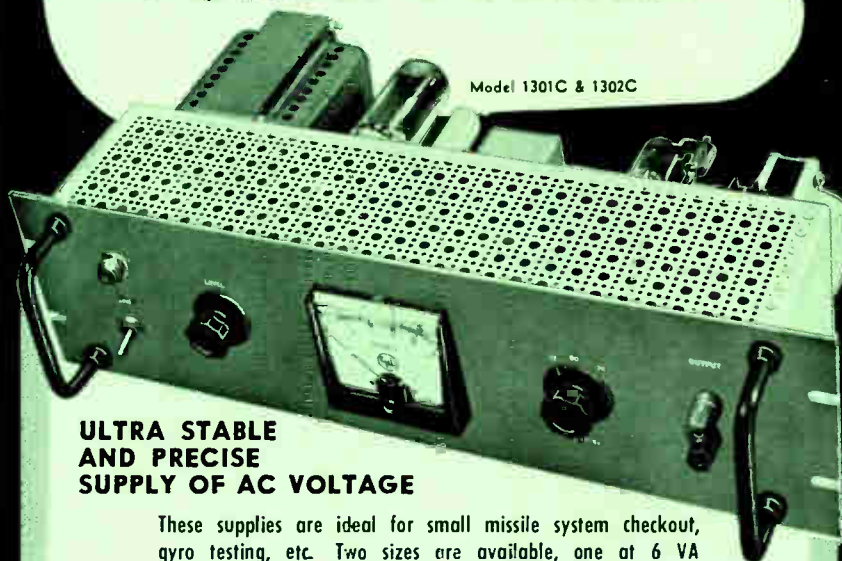
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**MONTREAL**  
P.O. Box 1352, Station O  
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# PRECISION AC POWER SOURCE

Model 1301C & 1302C



## ULTRA STABLE AND PRECISE SUPPLY OF AC VOLTAGE

These supplies are ideal for small missile system checkout, gyro testing, etc. Two sizes are available, one at 6 VA output and one at 15 VA output.

The output frequency is precisely controlled by means of a tuning fork. Loading and line voltage changes have negligible effect on output frequency, actually less than 1 PPM over the ambient temperature range of from 0° to 50°C. Three ranges of tuning fork stability are available —  $\pm .05\%$ ,  $.01\%$ , or  $.001\%$  over the same ambient range.

The amplitude stability of the 1300 series units after a one hour warmup is approximately  $\pm 0.1\%$  normal drift with a maximum of  $\pm 0.2\%$  for ambient variations of from  $\pm 10^\circ$  to  $40^\circ\text{C}$  and  $\pm 0.2\%$  for line voltage changes from 110 to 125 volts.

Harmonic content is 0.1% into a load unity power factor at rated output level. The noise and hum level is better than 60 db down.

Regulation of the output voltage is better than 0.2% from no load to rated load of unity power factor. Three output voltages are available and each is adjustable over a small range. The regulation and distortion specifications apply within the range of  $\pm 10\%$  of the nominal output voltage only. Outside of this area, both the regulation and the distortion degrade by 100% at the worst condition.

Write for complete specifications and performance data. Available as cabinet mounted unit or for rack mounting.

Size-Rack Mounting Models:

Model 1301 —  $5\frac{1}{4}''$  x  $19''$  panel, 10" deep

Model 1302 —  $7''$  x  $19''$  panel, 11" deep

Special models made to meet unusual requirements.



**COMMUNICATION MEASUREMENTS LABORATORY, INC.**

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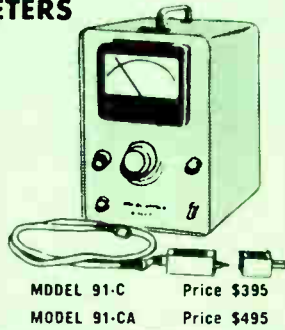
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Toronto 12, Ontario

## VOLTMETERS

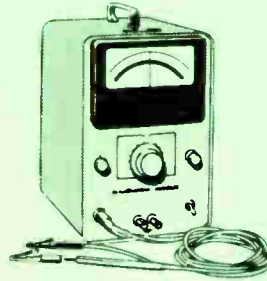
### SENSITIVE RF VOLTMETERS

- RANGE:  
Model 91-C: 1 mv to 3 v.  
Model 91-CA: 0.3 mv to 3 v.
- FREQ. RANGE: 10 kc to 600 mc.
- ACCURACY: 5% to 200 mc.  
10% to 600 mc.
- High impedance probe and 52 ohm adapter.
- Special adapters and voltage divider available.



### DIFFERENTIAL DC VOLTMETER-AMPLIFIER

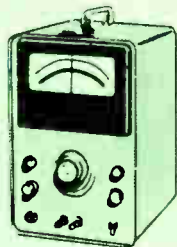
- RANGE: 10  $\mu$ v to 1000 v.
- ACCURACY: 3% full scale.
- COMMON MODE REJECTION: 80 db.
- INPUT RESISTANCE: 10 megohms to 100 megohms.
- Zero center meter.
- OUTPUT CAPABILITY: 0.5 ma into 1500  $\Omega$ .



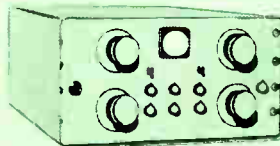
## NULL DETECTORS

### NEW DC NULL DETECTOR

- For use with bridges. Provides compression for hunting or linearity for close tolerance work.
- HUNTING RANGE: 60 db.
- FULL SCALE SENSITIVITY:  
VOLTAGE: 10  $\mu$ v to 100 v.  
CURRENT: 1  $\mu$ ma to 10 ma.  
POWER: 10<sup>-17</sup> watts to 10<sup>-3</sup> watts.
- INPUT RESISTANCE: 10 meg.
- OUTPUT RATING: 1.0 v across 500  $\Omega$ .
- MAX. AMPLIFIER GAIN: 100 db.



### NEW AC NULL DETECTOR

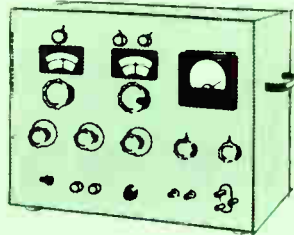


- TUNING RANGE: 20 cycles to 200 kc.
- SENSITIVITY: 10  $\mu$ v for  $\frac{1}{4}$  inch CRT deflection or 100  $\mu$ a dc output.
- PHASE SENSITIVE.
- HUNTING RANGE: 75 db with AVC on; 25 db with AVC off.
- INPUT IMPEDANCE: 1 megohm shunted by 100  $\mu$ mf.
- Discrimination of 2nd harmonic of tuned freq. is 35 to 40 db.
- Useful as a low frequency impedance bridge detector, tuned voltmeter, or in wave analysis.

## BRIDGES

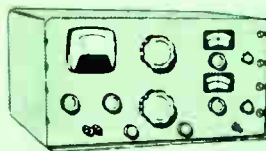
### THREE TERMINAL CAPACITANCE BRIDGE

- CAP. RANGE: .0002  $\mu$ mf to 11,000  $\mu$ mf.
- APPROX. ACCURACY:  
 $\pm 0.25\%$  + range factor.
- Measures direct or grounded capacitance and conductance.
- Self-contained 100 kc oscillator and detector.
- Special models available at 1000  $\sim$ , 465 kc and with built-in dc bias for diode testing.



### NEW INDUCTANCE BRIDGE

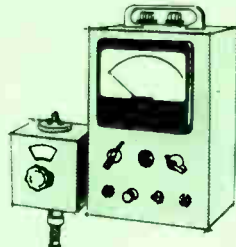
(Tentative Specifications)



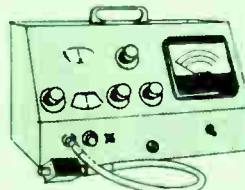
- INDUCTANCE RANGE: .002  $\mu$ h to 1.1 henry.
- INDUCTANCE ACCURACY:  
 $\pm 0.25\%$  + range factor.
- RESOLUTION: .01%.
- TEST FREQUENCIES: Continuously variable from 1 kc to 100 kc with internal oscillator and detector.
- EFFECTIVE SERIES RESISTANCE RANGE: .01 to 110,000 ohms.
- Non-interacting inductance and resistance balance controls.

### UHF GRID DIP METER

- FREQ. RANGE: 300 to 1000 mc.
- Small, lightweight probe.
- High sensitivity for both capacitive and inductive coupling.
- Internal 120  $\sim$  modulation or external modulation.
- May be operated as a diode detector.



### RF DISTORTION METERS



- FREQ. RANGE:  
Model 85-B: 1 to 100 mc.  
Model 85-C: 0.1 to 6 mc.
- SENSITIVITY: 60 db below 1 v.
- INPUT IMPEDANCE:  
Approximately 50 ohms.
- Rapid measurement of total distortion.
- Some voltmeter features as model 91-C above.

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Morris Plains, N. J.  
Phone: Jefferson 9-4210



# Krohn-Hite

## electronic instruments

### WIDE-BAND DIRECT-COUPLED POWER AMPLIFIER



Model DCA-10

#### FEATURES

- 10 WATT OUTPUT — DC TO 1 MC
- FREQUENCY RESPONSE:  $\pm 1$  DB FROM DC TO 1 MC
- HARMONIC DISTORTION: LESS THAN 0.1%

| Model     | Output Power Rating      | Distortion | Input Sensitivity | Noise Referred to Input | Matching Load          | Price    |
|-----------|--------------------------|------------|-------------------|-------------------------|------------------------|----------|
| DCA-10*   | 10 watts dc to 1 mc      | 0.1%       | 8 volts           | 1 mv                    | 600 or 1,000 ohms      | \$425.00 |
| DCA-50*   | 50 watts dc to 500 kc    | 0.1%       | 13 volts          | 1 mv                    | 330 ohms               | \$685.00 |
| UF-101A** | 50 watts 20 cps to 20 kc | 0.005%     | 0.6 volt          | 10 $\mu$ v              | 1, 2, 4, 8 or 225 ohms | \$495.00 |

\*Available for rack mounting at no additional charge.  
\*\*Available for rack mounting at \$5.00 additional.

DCA-10 and DCA-50  
NEW INSTRUMENTS!

### ULTRA-HIGH REGULATION POWER SUPPLIES



Model UHR-240

#### FEATURES

- LOAD REGULATION TO 0.001%
- EXTREMELY LOW OUTPUT IMPEDANCE TO 1MC WITH NO PEAKS
- RIPPLE LESS THAN 100 MICROVOLTS

| Model    | Main DC Output  |        |         |         |            |             | Other Outputs |                                    |          | Price |
|----------|---|--------|---------|---------|------------|-------------|---------------|------------------------------------|----------|-------|
|          | Volts   | Max MA | DC Ohms | AC Ohms | Regulation | Ripple      | Bias          | Heaters                            |          |       |
| UHR-220  | 0-500   | 200    | 0.01    | 0.1     | 0.001%     | 100 $\mu$ v | 0-150v, 5ma   | 6.3v ac, 5a<br>6.3v ac, 5a         | \$425.00 |       |
| UHR-225  | 150-500   | 200    | 0.02    | 0.1     | 0.002%     | 100 $\mu$ v | ****          | (2) 6.3v ac, 5a                    | \$325.00 |       |
| UHR-216  | 160-600   | 100    | 0.02    | 0.1     | 0.001%     | 100 $\mu$ v | ****          | (2) 6.3v ac, 5a                    | \$350.00 |       |
| UHR-240  | 0-500   | 500    | 0.005   | 0.05    | 0.001%     | 100 $\mu$ v | 0-150v, 5ma   | (2) 6.3v ac, 10a<br>5-13v dc, 2.5a | \$675.00 |       |
| UHR-245  | 150-500   | 500    | 0.01    | 0.05    | 0.002%     | 100 $\mu$ v | ****          | (2) 6.3v ac, 10a                   | \$495.00 |       |
| UHR-211  | 130-500   | 1000   | 0.01    | 0.03    | 0.004%     | 200 $\mu$ v | ****          | (2) 6.3v ac, 10a                   | \$850.00 |       |
| UHR-230R | Dual Power Supply consists of two Models UHR-220 rack mounted |        |         |         |            |             |               |                                    | \$860.00 |       |
| UHR-235R | Dual Power Supply consists of two Models UHR-225 rack mounted |        |         |         |            |             |               |                                    | \$660.00 |       |
| UHR-236R | Dual Power Supply consists of two Models UHR-216 rack mounted |        |         |         |            |             |               |                                    | \$710.00 |       |

### VARIABLE ELECTRONIC FILTERS



Model 330-M

#### FEATURES

- ULTRA-LOW FREQUENCY COVERAGE
- FREQUENCY RANGE 100,000 to 1 IN ONE INSTRUMENT
- DIRECT FREQUENCY CALIBRATION

| Model  | Type      | Frequency Range  | Frequency Accuracy | Noise & Hum | Price    |
|--------|-----------|------------------|--------------------|-------------|----------|
| 310-AB | Band Pass | 20 cps to 200 kc | 10%(1)             | 0.5 mv      | \$325.00 |
| 330-A  | Band Pass | .02 cps to 2 kc  | 5%                 | 0.1 mv      | \$550.00 |
| 330-M  | Band Pass | 0.2 cps to 20 kc | 5%                 | 0.1 mv      | \$525.00 |
| 340-A  | Servo     | 0.01 to 100 cps  | 5%                 | 20 mv       | \$425.00 |
| 350-A  | Rejection | .02 cps to 2 kc  | 5%                 | 0.1 mv      | \$575.00 |
| 360-A  | Rejection | 20 cps to 200 kc | 10%                | 5 mv        | \$350.00 |

(1) 5% accuracy available at \$50 additional.

### WIDE RANGE RC OSCILLATORS



Model 420-A

#### FEATURES

- EXCEPTIONAL STABILITY
- WIDE FREQUENCY RANGE
- LOW DISTORTION

| Model    | Frequency Range    | Frequency Accuracy | Output and Waveform | Distortion | Price     |
|----------|--------------------|--------------------|---------------------|------------|-----------|
| 400-A    | .009 cps to 1.1 kc | 2%                 | 25 mw/10v           | 1%         | \$395.00  |
| 400-C(1) | .009 cps to 1.1 kc | 2%                 | 100 mw/10v          | 1%         | \$415.00  |
| 410-A    | .02 cps to 20 kc   | 2%                 | 10 mw/5v            | 1/10%      | \$1150.00 |
| 420-A    | .35 cps to 52 kc   | 2%                 | 25 mw/10v           | 1%         | \$330.00  |
| 420-C(1) | .35 cps to 52 kc   | 2%                 | 100 mw/10v          | 1%         | \$360.00  |
| 430-AB   | 4.6 cps to 520 kc  | 2%                 | 50 mw/10v           | 1%         | \$175.00  |
| 440-A(2) | .001 cps to 100 kc | 1%(3)              | 100 mw/10v          | 1/10%(3)   | \$625.00  |
| 440-B(2) | 1 cps to 1 kc      | 1/20%(3)           | 100 mw/10v          | 1/10%      | \$1150.00 |

(1) Rack panel construction. (2) Pushbutton operation. (3) Poorer at end of range.

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# QUALITY INSTRUMENTS FOR PRECISION TESTING OF *To-morrow's Circuitry*

*Universally Approved*

## SG-25 RF STANDARD SIGNAL GENERATOR

The SG-25 is in use all over the World. Thousands have been furnished to the Armed Forces alone (as Military AN/URM-25D) — and they keep coming back for more! The reason? — **PROVEN Accuracy, Reliability and Stability.** Covering the frequency range 10kc to 50mc, the SG-25 features a 3-Stage (MO-BUFFER-PA) RF section entirely enclosed in a rugged aluminum casting, continuously adjustable output voltage (using the famous TRAD Precision Step Attenuator), internal & external modulation, and an integral crystal calibrator. Precision quality is combined with light-weight, compact portability, making it ideal for both laboratory and field use.



*High Frequency — Small Size*

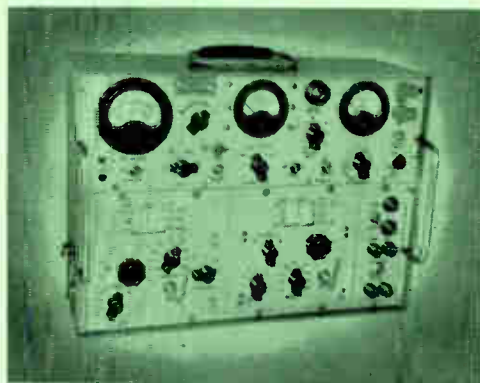
## SG-26 RF STANDARD SIGNAL GENERATOR

The SG-26, covering the frequency range of 4 to 405 mc, is engineered for compactness and portability. Small size and trouble-free operation have been achieved by an ingeniously simplified circuit, made possible by the use of the highest quality precision components. Output voltage is continuously adjustable between .1 and 100,000 microvolts with a single control and indicated directly on a large dial, calibrated in microvolts and dbm. Vswr is extremely low. The RF circuitry is entirely enclosed in a rugged aluminum casting, assuring low leakage and high stability. Accuracy, reliability and stability are "built-in" features of this precision instrument, designed for convenience in laboratory and field.

*Pre-Flight Radio Tester*

## RT-500 TRANSMITTER — RECEIVER TEST SET

The RT-500 tests — **IN PLACE** — the performance of ALL aircraft and vehicular communications equipment in the 190 kc — 400 mc frequency range. The functions of Transmitter Monitor, AC-DC Voltmeter, Milliwatt Meter and two wide-range Signal Generators are combined in one compact, easily transportable, precision instrument. All necessary couplers, cabling, adapters and accessories are included. The interconnecting cable is sufficiently long (30 ft.) to allow the RT-500 to remain in the service vehicle while making tests. High accuracy, rugged reliability and maximum stability are featured in this laboratory-quality, portable instrument.



by

# TRAD

## ELECTRONICS CORPORATION

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# THE New MODEL "N"

A new series of AC and DC portable electrical indicating instruments — that can also be panel mounted.

A New **HIGH** in accuracy, resolution, and stability.

A New **LOW** in cost.

In short, the SRIC Model "N" series probably has just the instrument for which you've been looking **HIGH** and **LOW**. The Model "N" is a true "secondary standard" because it is engineered and manufactured by "standards people."

### GENERAL SPECIFICATIONS:

Accuracy: .5% of full scale.

Scale: Hand-drawn and mirrored.

Scale length: 6".

Resolution: 100 to 150 division.

Ranges: DC from 50 ua. to 50 A. and 20 mv. to 1000 v. full scale. AC from 10 ma. to 10 A. and 7.5 v. to 750 v. full scale.

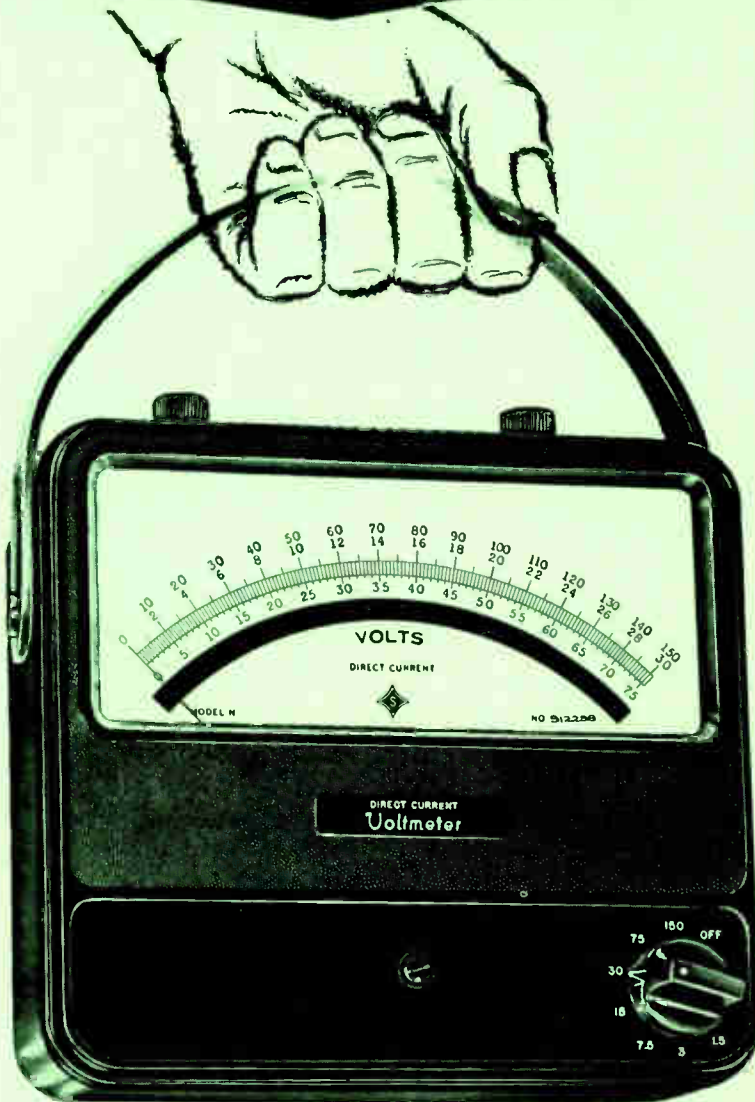
Availability: 1 to 8 ranges completely switch-controlled and self contained.

Construction: DC — double pivoted permanent magnet type. AC — moving iron vane for RMS measurements and germanium rectifier type for average reading measurements.

Shielding: Magnetic and electrostatic.

Pivots and Jewels: High carbon steel pivots and shock mounted sapphire jewels. (Diamond pivots available on special order).

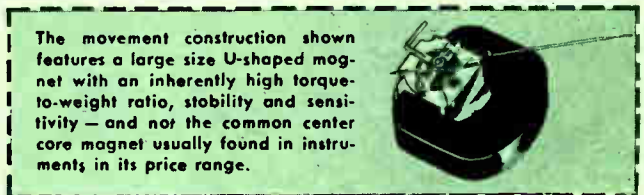
Case: Black moulded bakelite with leather carrying handle. Size 7½" x 6¾" x 3½".



Model "N"

The New Model "N" is a stable, rugged, versatile field or laboratory instrument that is *spectacular* because in every way it offers a little bit "more" than any other instrument in its class. It is available in standard range combinations or in quantities with special ranges and/or special scale markings.

The New Model "N" conforms to ASA specs. C 39.1-1951 for .5% class instruments. All SRIC instruments are calibrated against primary standards that have National Bureau of Standards Certificates of Accuracy and are unconditionally guaranteed for a period of one year.



The movement construction shown features a large size U-shaped magnet with an inherently high torque-to-weight ratio, stability and sensitivity — and not the common center core magnet usually found in instruments in its price range.

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NEW ROCHELLE, N. Y.

ELECTRICAL INSTRUMENTS OF PRECISION SINCE 1927

## EICO Power and Bias Supply for Transistorized Equipment

(Pat. Pend.)

Item 2542

Highly versatile, stable, and reliable, EICO's new Model 1020 displays a maximum ripple (120 cps) of only 0.005 per cent at full load. It comprises a power transformer, full-wave silicon diode rectifier circuit, electrolytic capacitor input filter followed by a two-power transistor (2-2N256) cascaded filter circuit providing extraordinary ripple rejection. Output voltage of the Model 1020 is 0-30 VDC continuously variable, monitored by dual range voltmeter (0-6, 0-30 VDC). Continuous maximum output current capacity is 150 ma from 0-12 V; 200



ma from 12-24 V; 300 ma from 24-30 V. One-half ampere fuse protects against short circuit. EICO's Model 1020 is comparable in purity of output and in voltage and current capacity to transistorized supplies selling for several hundred dollars. It is ideal for laboratory, development and service work on transistors and transistorized equipment. It measures 5" h x 4" w x 5 1/2" d. Available in both kit and factory-wired form.

For further information, write for Form EC-1020 to: Electronic Instrument Co., Inc., 33-00 Northern Blvd., Long Island City 1, New York.

## Wave Soldering Devices

Item 2543

Adawave soldering attachments are available producing 8", 12", or 16" wave lengths with a wave height from 0-2". Higher waves are available, special.

Wellesley solder pots are available in sizes 6" x 12" x 3", 6" x 16" x 3", 6" x 20" x 3" with 2500 and 3000 wattages. Rapid heat recovery and prolonged heat retention. Has simplified controls. Thermostatically controlled.

Wellesley Engineers' Solder Pots are designed specifically for use with the Adawave soldering attachments.

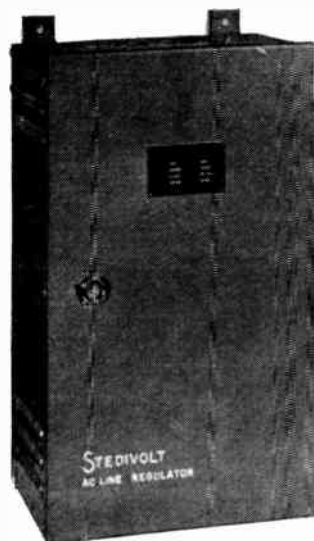
For additional information write to: Prime Electronic Components Ltd., 868 Dundas Highway East, Dixie, Ontario.

## Stedivolt AC Line Voltage Regulator

Item 2544

The STEDIVOLT is a Canadian built regulator offering trouble-free accurate regulation at moderate cost.

Models are available for all lines and loads up to 100 kva.



STEDIVOLT model P-17A (wall mount type) is shown above.

Write for illustrated leaflet and price list to the manufacturer: George Kelk Limited, 130 Willowdale Avenue, Willowdale, Ontario.

# ADCOLA

(Regd. Trade Mark)

## QUALITY SOLDERING EQUIPMENT

DESIGNED FOR  
BENCH LINE  
PRODUCTION AND  
CONTINUAL USE



Canadian, British  
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Reg. Designs

Instrument  
List No. 64  
3/16" Bit.  
Also available in  
1/8" and 1/4" tip.

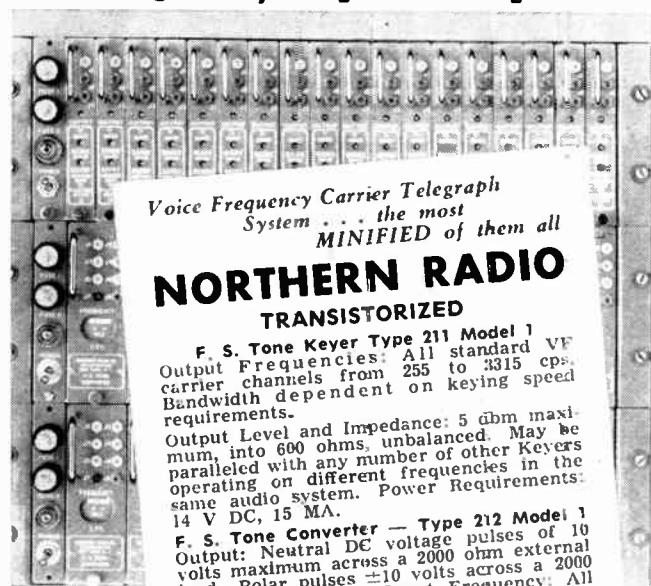
Adcola Instruments  
operate at  
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temperatures which  
ensures permanent  
and quality joints.

ALL VOLTAGES  
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**NORTHERN RADIO**  
TRANSISTORIZED

F. S. Tone Keyer Type 211 Model 1  
Output Frequencies: All standard VF  
carrier channels from 255 to 3315 cps.  
Bandwidth dependent on keying speed  
requirements.  
Output Level and Impedance: 5  $\mu$ m maxi-  
mum, into 600 ohms, unbalanced. May be  
paralleled with any number of other Keyers  
operating on different frequencies in the  
same audio system. Power Requirements:  
14 V DC, 15 MA.  
F. S. Tone Converter — Type 212 Model 1  
Output: Neutral DC voltage pulses of 10  
volts maximum across a 2000 ohm external  
load. Polar pulses  $\pm$ 10 volts across a 2000  
ohm external load. Input Frequency: All  
standard VF carrier channels from 255 to  
3315 cps. Bandwidth dependent on keying  
speed requirements.



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Amphenol number 21-598 — 50 ohm impedance RG174/U.

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# THE FACTS ABOUT POWER RESISTORS



IRC coating is cured at 210° F  
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division of  
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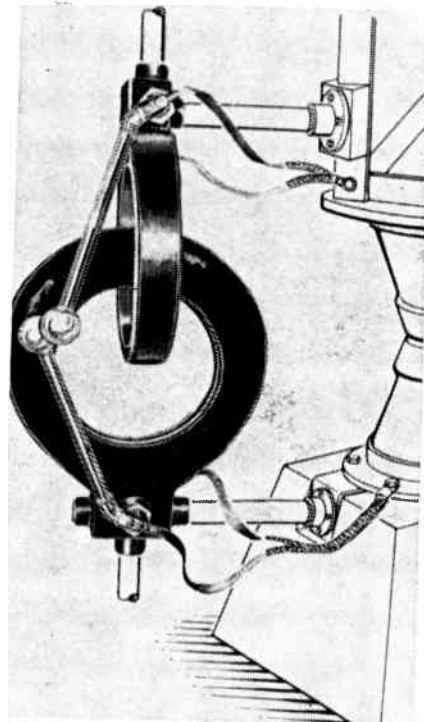
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## New Hughey & Phillips Tower Lighting Isolation Transformer

Item 2545

New Tower Lighting Isolation Transformer is announced by Hughey & Phillips, Inc., Burbank, California, manufacturer of Obstruction Lighting Equipment, Controls and Kits.

Available in three load capacities—750, 1750, 3500 watts — these transformers provide advantages over similar types heretofore available — such as Higher Efficiency, Improved Regulation, Additional Taps, and Epoxy Encasement.



Although designed especially to provide power across the base insulator of a tower employed as a radiator, these transformers are said to be essential wherever 60 cycle power must be transferred efficiently across two points with very low capacitance or at very high voltages.

Request Bulletin HPS-152 from the Manufacturer: Hughey & Phillips, Inc., 3200 N. San Fernando Blvd., Burbank, California or the Canadian Representative: Beechey Enterprises, 1162 Main Street North, Weston, Ontario.

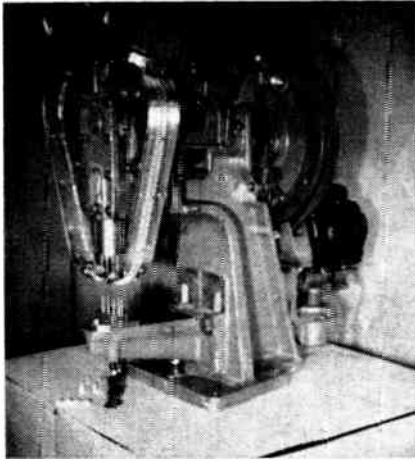
## Multiple Setting Eyeletting Machine

Item 2546

With United's Model F eyeletting machine as many as twelve eyelets—and more — can be automatically fed and simultaneously set with this precision machine. The machine has almost 2½ tons of setting pressure which ensures uniform settings of all eyelets every time.

Because of the flexibility designed into this machine, single or multiple raceways can be placed either to the right or left or on both sides of the machine to feed and set eyelets in an almost infinite variety of patterns.





Different sizes and types of eyelets can be automatically fed and set simultaneously. When desired, this machine can be easily integrated with conveyors, turntables, indexing heads, loading devices, or other production mechanisms performing related work.

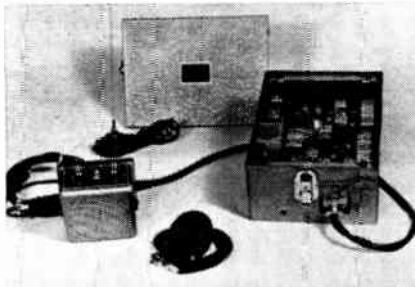
Years of use under the most adverse conditions in all types of application have repeatedly demonstrated the unusual durability of this machine.

For further details contact: **United Shoe Machinery Company of Canada, Limited, Montreal - Toronto.**

#### "FM-582" Radiotelephone

Item 2547

SPILSBURY & TINDALL's latest VHF-FM mobile radiotelephone, the FM-582, features a transistorized power supply, incorporated in the under-dash control unit. Power output is 30 watts; frequency range 144 to 174 mc. The FM-582 is supplied for wide band operation, and is readily

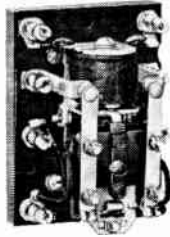


convertible to narrow band. An interchangeable companion base station model is available, and can be supplied for 12 volt DC or 115 volt AC operation. The "582" series is fully D.O.T. approved. Other appealing characteristics of this new set are its competitive price, its small physical size, and the fact that it can be supplied for either under-dash or trunk mounting.

For further details: **S & T SALES LTD., 120-East Cordova Street, Vancouver 4, B.C.**

To obtain further information on the product write-ups in this section use the post card coupon, page 201.

# LATCH RELAYS WITH ELECTRICAL RESET



FRAMES A5 AND A54  
POWER LATCH RELAYS

FRAME 51 MIDGET LATCH RELAYS

TWO COIL LATCH RELAYS operate electrically, latch mechanically and release or reset electrically by lifting the latch with a second coil. Used in tripping, lock-up or lock-out circuits and are ideally suited for controlling small motors, heaters and other auxiliary loads, from a two circuit or three wire instrument control system.

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Coils up to 550 VAC 60cy. Series Coils up to 30 Amp. AC or DC.

GLASS or METAL enclosures available.



Write for Bulletins 4050 and 4051.

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## A Visual Intercommunication System

Item 2548

The DECCA VUEFAX\* system transmits and receives visual information over inexpensive co-axial cable using flying spot scanner techniques. A voice channel is included for discussion or commentary. Information is written on the VUEFAX face or on an over-laid transparency. One VUEFAX unit can feed a large number of monitors. Information from two units can be mixed and displayed simultaneously.

VUEFAX is based on standard TV techniques. Spares are readily available. VUEFAX can be maintained



by a competent TV service technician. Installation is simple. Special lighting is not needed.

The cost of VUEFAX is low.

Its many applications include: advertising, visual paging, school lecture distribution, stock and file room order line, effect and annotation input to TV transmitters.

D.O.T. Meteorological Services have installed VUEFAX at Dorval Airport for pilot briefing.

\*Reg. Trade Mark

For further information on the Decca VUEFAX write to: Decca Radar (Canada) Limited, 23 Six Points Road, Toronto 18, Ontario.

## Camblock Terminal Blocks

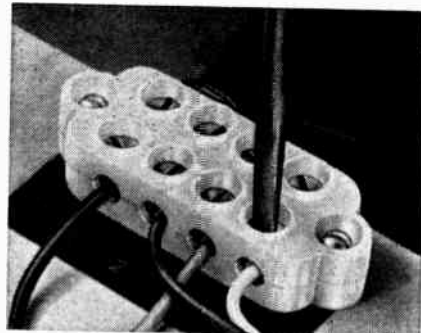
Item 2549

CAMBLOCK TERMINAL BLOCKS present a major advance in electrical connections. The use of Camblock terminal blocks cuts average wiring time 75%. Ideal for stranded and solid wire or a combination of both. No lugs required. Fully insulated on top and bottom. Unbreakable housing.

Simplify field service & maintenance . . . no special tools, parts to handle or lose; 1 size takes wires from .010 to .094 diam.

Get better connections, electrically and mechanically, by making every strand a conductor.

Versatile camblocks find application in almost all types of electronic and electrical equipment, including air-



craft, automotive, marine, and military products, appliances, and lighting equipment.

Available with any number of stations from 2 through 20, in 15, 20 and 30 amp. capacities in both straight and feed-thru design. Dielectric strength: 3000 v between terminals, 4500 v between terminals and base.

Crackproof Implex housing. Fully insulated, cannot short. Tested by NY Testing Labs. using MIL-T-16784A standards.

For further information on these terminal blocks write to: Musimart of Canada Limited, 901 Bleury Street, Montreal.

To obtain further information on the product write-ups in this section use the post card coupon, page 201.

## POWER FOR N CARRIER



Pylon static converters Type CX-48, connected as main and automatic standby generators, provide a dependable source of 24V and 130V battery power at locations equipped with 48V battery. Capacity may be built up as required.

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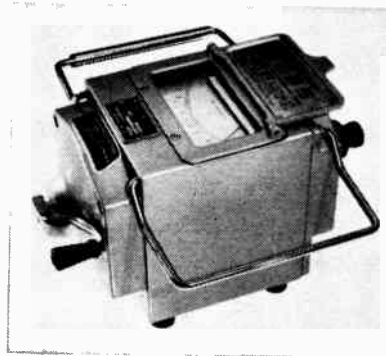
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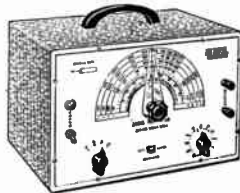
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**Type HG.** Capable of up to 100 operations a second. Load-handling capacity to 5 amperes and up to 500 volts. (250 va max. with proper contact protection.)



single form D

**Type HGS.** Biased with permanent magnets. Speed up to 200 cps. Sensitivity as low as  $\pm 2.5$  milliwatts. Handles up to 2 amperes, up to 500 volts (100 va max. with proper contact protections.)



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**Type HGP.** Can be factory adjusted to provide single stable, bi-stable or chopper characteristics.



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**Type HG4.** Four form D switches enclosed in a single housing with coil. Plug in assembly (shown) is standard. Other mountings available.



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**Types HG2 and HG3.** Two or three form D switches enclosed in a single housing. HG2 has 8 or 11-pin octal style plug. An 11-pin base is standard for HG3.



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**Type HG6F.** Six switches mounted in line on printed circuit panel surrounded by single coil. Flat, compact assembly. Over-all dimensions: 3.640" x 3.125" x 1.046". Uses standard 32 or 36 terminal printed circuit socket.

For complete information on CLARE Mercury-Wetted Contact Relays or on the entire CLARE line of superior relays and electronic components address: C. P. Clare Canada Ltd., P.O. Box 134, 2700 Jane Street, Downsview, Ontario.



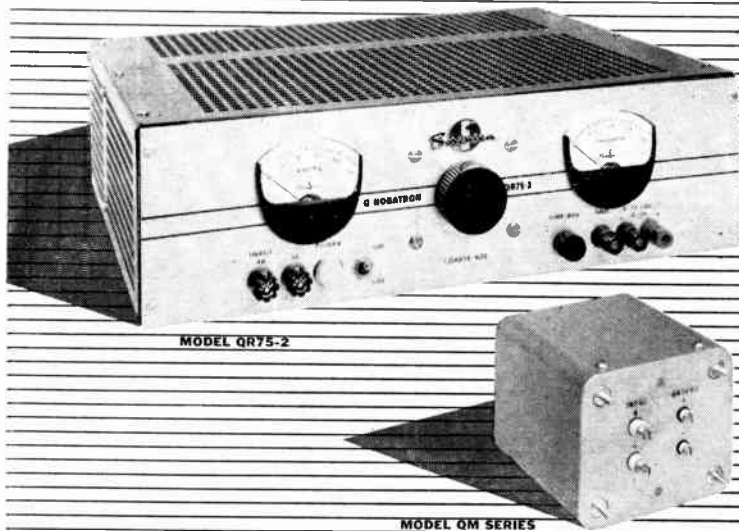
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### 3 new Sorensen transistorized d-c supplies can solve your lab, production and design problems

In the Sorensen "Q" Series, you can select from the most complete line of fully transistorized, highly regulated low-voltage d-c supplies on the market: **QR-Nobatrons**, (shown above, left) with output continuously adjustable down to zero volts, are ideal for labs or wherever maximum flexibility is required. Two models, QR36.4A and QR75-2, put out respectively 0-36V at up to 4 amps and 0-75V at 2 amps. Regulation of QR36.4A is  $\pm 0.025\%$  or 4 MV for combined line and load variations. Input: 115vac 50-400 cps available for either bench or rack-panel (5½" x 19") use.

**Q-Nobatrons**®, with 2:1 adjustable output, can render outstanding service in semi-permanent lab set-ups, in production test, or integrated into your own product. Available in 15 models up to

200 watts capacity with 6, 12 or 28 volts out. Specs and packaging are similar to QR models above. Models for  $\pm 0.25\%$  or  $\pm 0.05\%$  regulation are available. Lower wattages are available two to a single rack panel (3½" x 5¼" x 19").

**QM-Series**, solder-into-the-circuit supplies (shown above, right) mount like a potted transformer or choke and come in 36 variations: nine voltages from 3.0 to 36vdc, regulated  $\pm 0.05\%$ ; and four wattages, 2, 4, 8 and 15. Input 50/60 and 400 cps at 115vac. (Incidentally, Sorensen also offers similarly packaged DC-to-DC and DC-to-AC converters.)

Ask us, or your nearest Sorensen representative, for the complete story on these precision transistorized regulated d-c supplies.

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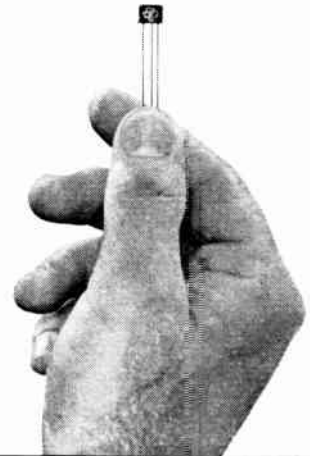
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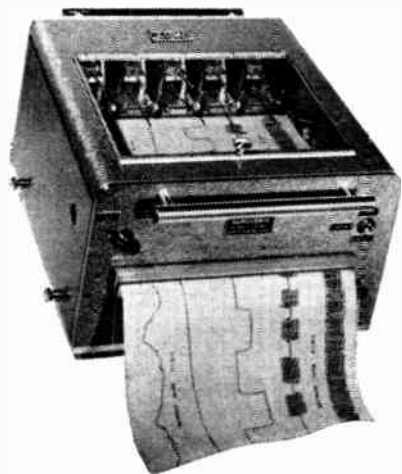
110 Federal Street  
Boston 10, Massachusetts  
HUBbard 2-7850 TWX BS-447U

## High Speed Pen Recorder

Item 2550

The S.E.F.R.A.M. Rapidgraph recorders have been specially designed for recording transient phenomena down to 1/100 second or oscillatory phenomena up to more than 60 c.p.s.

The pen units have a "quick change" feature — pens suitable for many applications without amplifiers. In-



scription is normally made in ink, but may also be made electronically.

Available in one, two and five channel units, the Rapidgraph is available for operation from AC lines, or from 6 volts DC.

For further information on this instrument write to: Tellurometer Canada Ltd., 1562 Carling Avenue, Ottawa, Ontario.

To obtain further information on the product write-ups in this section use the post card coupon, page 201.

## Teflon Insulated Magnet and Lead Wire

Item 2551

Thermal Wire of America presents a complete line of high quality teflon insulated magnet wire and lead wire. Extruded or tape wrapped wire is available. Complete line of teflon sleeving and tubing is also available.

Improved methods using modern machinery in a newly constructed plant have resulted in a superior grade of \*Teflon Magnet Wire. A uniform coating of \*Teflon, especially free from lumps, cracks, or pin holes, is maintained on solid annealed copper wire, in accordance with rigid specifications. Before shipment to the customer all wire is given a complete series of tests.

For further information on this \*Teflon Magnet and Lead Wire write to: Musimart of Canada Limited, 901 Bleury Street, Montreal.

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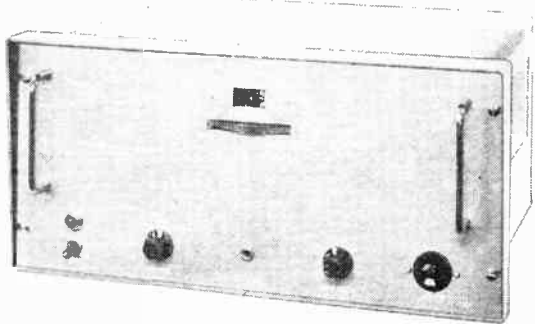
For complete data on Edo Model 345 Loran, send for Technical Manual to Dept. 12-E.

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| External Frequency .....                     | 50-4000 CPS | Small size .....                       | 8 3/4" x 19" Panel |

Also Available — Model 250 — 250 VA Power Output

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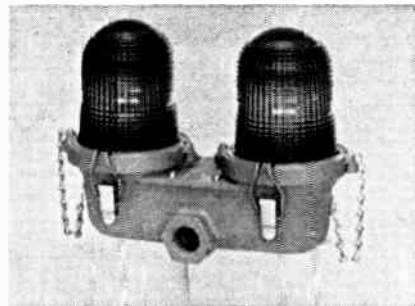


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**Double Obstruction Light**  
**Side Conduit Entrance Type**  
*Item 2552*

A Double Obstruction Light of the side conduit entrance type, in accordance with D.O.T. Specifications and approved by CSA is available from Hughey & Phillips, Inc.

The Model OB24 Double Obstruction Light is available in either 3/4 inch or 1 inch conduit tap and is designed to facilitate installation on horizontal conduit runs.



Also available is the Model OB22 Double Obstruction Light of the bottom conduit entrance type for installation on vertical conduit runs.

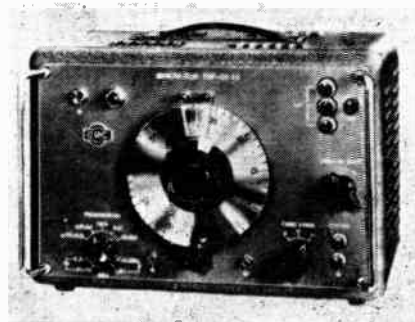
For further information on these lights or CSA approved 300MM Beacons, contact the manufacturer:

**Hughey & Phillips, Inc., 3200 N. San Fernando Blvd., Burbank, California**  
— or the Canadian Representative: **Beechey Enterprises, 1162 Main Street North, Weston, Ontario.**

**Very Low Frequency Generator**  
*Item 2553*

The C.R.C. Very Low Frequency Generator is designed to provide signals from 0.005 C.P.S. to 500 C.P.S. It provides a highly stable sine wave, square wave, or sawtooth output. A sync output signal is also available.

Output is across 100 ohms, balanced to ground, and 40 volts peak to peak is available. Stability for line voltage



charges of ± 10% is 0.2 db with regard to level and 0.5% with regard to frequency. Frequency ranges are in the ratio of 1:10, so only one dial scale is necessary.

The generator is finding many uses in studies involving servomechanisms, vibrations, transmission lines, transformers, stresses and strains, medical and geophysical research, etc.

For further information on this item write to: **Tellurometer Canada Ltd., 1562 Carling Ave., Ottawa, Ont.**

# The New Donner 3500



## The First Small Computer with BIG COMPUTER PERFORMANCE

Program it for

- ANALOG COMPUTING
- SIGNAL GENERATION
- DATA REDUCTION

The Donner 3500 brings all the versatility of big general-purpose analog computers right to your desk or bench. And it's practical for more than computing.

*Here's Why: it's small and portable (23 lbs); precise (0.1%); contains 10 amplifier channels; is reasonably priced (\$1200-\$1800) and convenient. By repatching, you can use it in the lab as a versatile signal generator, for data reduction or signal conditioning at test sites, and as a general purpose computer in the classroom, field, or at your desk.*

**As A Computer**—Up to three 3500's can be slaved together, giving big, 30-amplifier computer performance in a small package. Chopper stabilized amplifiers and 0.1% computing components assure high precision over full 100 volt range. A complete line of accessories lets you solve non-linear equations or equations with non-constant coefficients. For teaching, a single 3500 can be used simultaneously by two groups of students without mutual interference. Two detachable problem boards, each controlling half the computer, replace the standard problem board for this purpose.

**As A Signal Generator**—Re-programming the problem board converts the 3500 to a signal generator, simultaneously forming sine, cosine, square and triangular waveforms of high precision. You can also use the 3500 as a constant current or constant voltage power supply and a low frequency wave analyzer.

**For Data Reduction**—The 3500's amplifiers are easily programmed at the problem board for signal conditioning or data reduction. By simply removing a few screws, the problem board tilts up for mounting the 3500 in the instrumentation rack. Remote control feature allows data to be controlled at the test site.

Represented in Eastern Canada by Instronics, Ltd., P.O. Box 100, Stittsville, Ontario. Phone: TA. 8-1253 and 21 Benleigh Drive, Scarborough, Ontario, Phone: AX. 3-7806. In Western Canada, Comptronics, Suite 123, 2 Handord St., Seattle, Washington, Phone: MA. 4-5135.

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Model 270-R  
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Model DT-45  
Dekatron Decade  
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Model DB-655  
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Decade Resistor



## MODEL 291 UNIVERSAL IMPEDANCE BRIDGE

Outstanding accuracy combined with simplicity of operation. Dc and ac impedance measurements covering seven decades of inductance, capacitance, resistance and conductance, and three decades of D or Q. Four place readings; accuracy to 0.1%. Complete with line operated ac and dc generator-detector units designed specifically as companion units for the bridge. Mounted in an attractive case with operating instructions in the cover and an insulating platform for supporting components under test. Price: \$775.00\*

## MODEL 250-DA PORTABLE IMPEDANCE BRIDGE

A rugged and compact bridge for precision measurements of inductance, capacitance and resistance, and D or Q, with self-contained line operated ac and dc generators and detectors. Price: \$495.00\*

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A precision, high resolution Wheatstone bridge. Five place readings; initial accuracy 0.01%, long term accuracy 0.02%. Human engineered controls provide simple operation and direct in line readings with automatic decimal point location. Internal guarding permits accurate measurements to 12 kilomegohms. Price: \$450.00\*

## MODEL 270 CAPACITANCE BRIDGE

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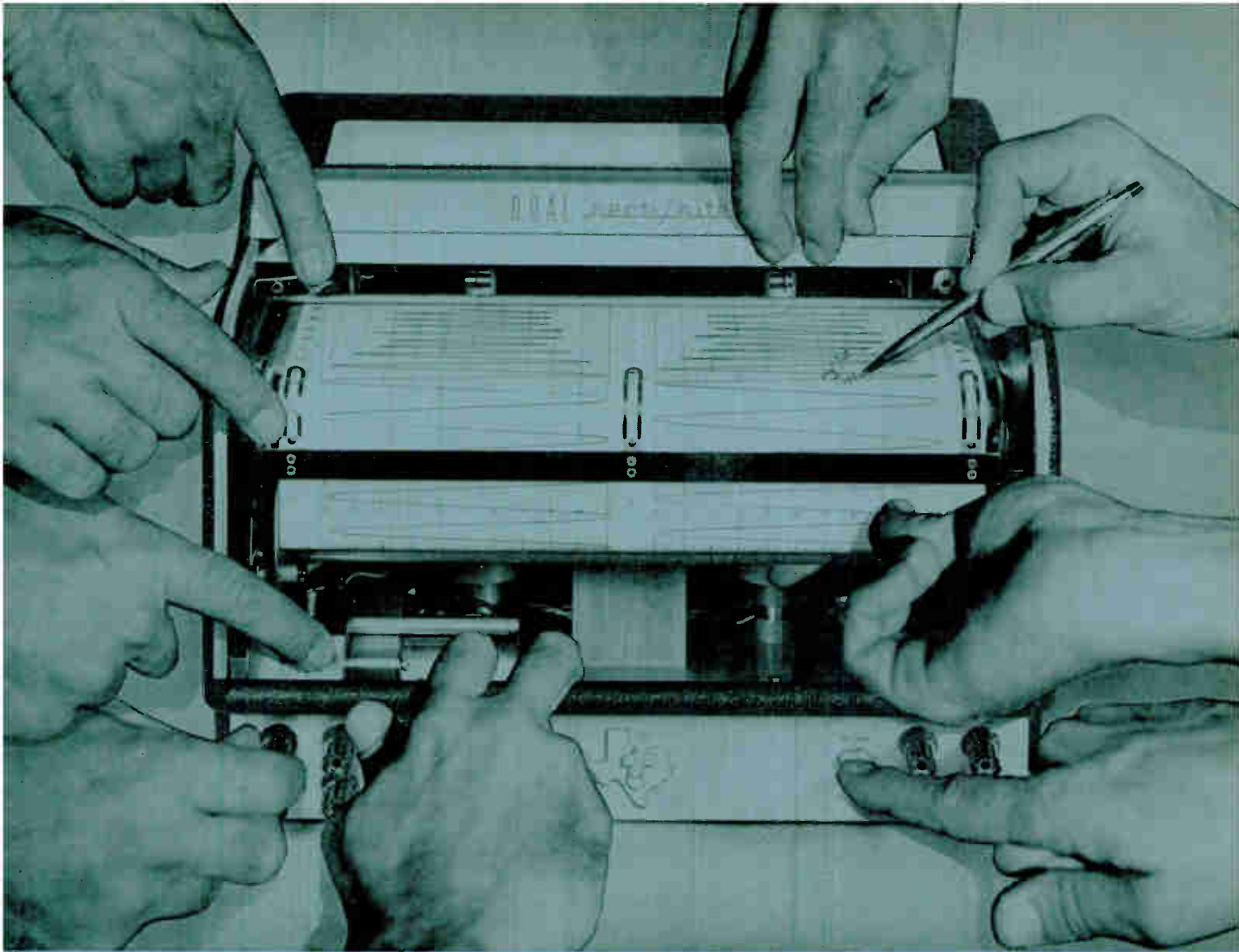
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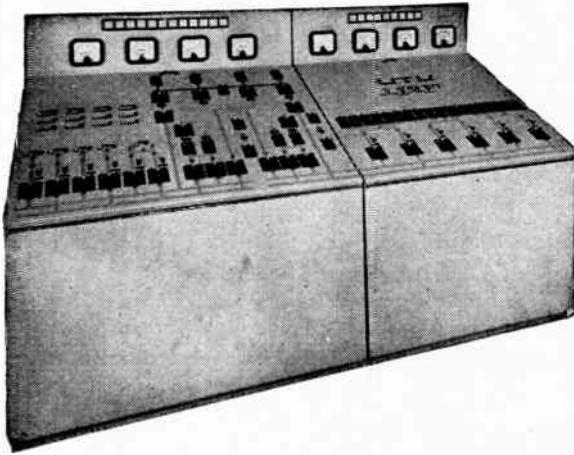
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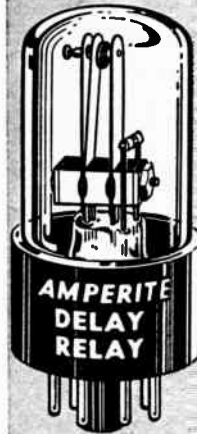
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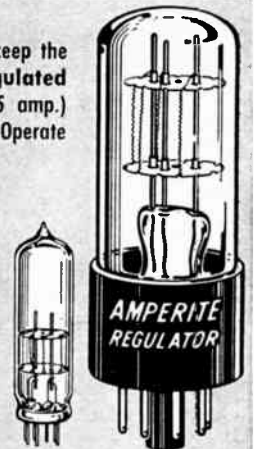
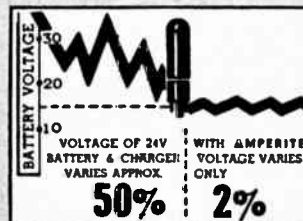


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There goes one of our most impressive orders — and we can't talk about it.

In the interests of world security, we must keep this particular feather *under* our corporate cap. But this much can be said — Phillips is proud to have won so large and important a contract in the face of the stiffest international competition, and to be playing a part in North America's Defence Program!

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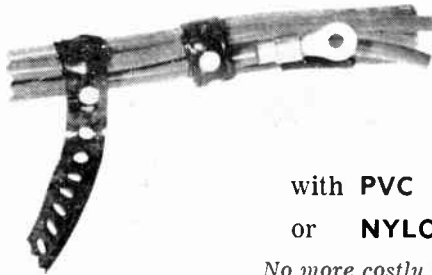
*Phillips Wires and Cables is one of Canada's major cable manufacturers. Located at Brockville, with factories in Vancouver, Montreal, Brockville and Halifax. A Canadian firm established 1889.*

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### CAN NOW BE DONE

- Quickly
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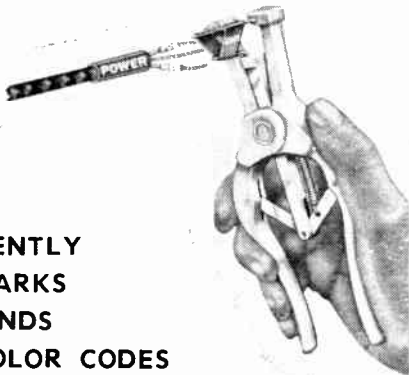


with PVC  
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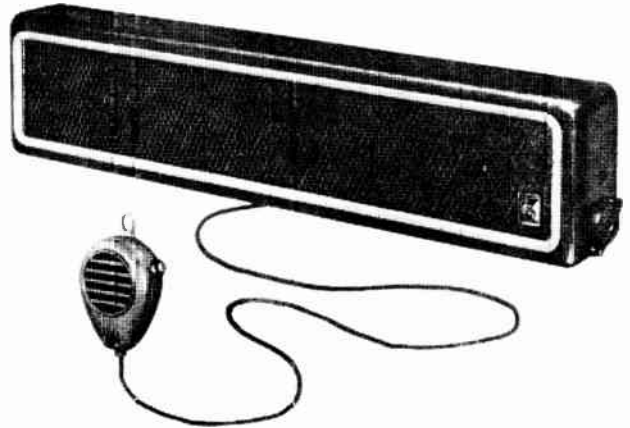
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and  
PERMANENTLY

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- INSULATES
- Temperature ratings to 300°C.

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A completely self-contained portable P.A. System. Fully transistorized and operated by standard flashlight cells.

Suitable for escorted plant tours, presentation ceremonies, group instruction, sectional announcements.

Unit has four built-in speakers with a three-watt amplifier, plug-in, hand held microphone.

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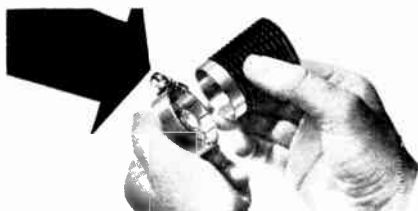
*An Electronic Sales and Engineering Service*

**New Transistor Heat Dissipators  
Are Announced by  
Dayrand Limited of Montreal**

*Item 2554*

Called the "THERMODUCT" line, they combine extremely low thermal resistance, very high surface to bulk ratio, ease of installation, and low cost. The THERMODUCT is made in a wide range of dissipative capacities in both aluminum and copper and is available for all power transistors and most power diodes. Two basic fin spacings are offered, one for standard use and the other, "high ratio", for use in filtered air.

Shown is one of the standard units (Type CAS-3-B) which packs over sixty square inches of surface area into



a five and a half ounce package, 2 1/4" high by 1 3/4" diameter.

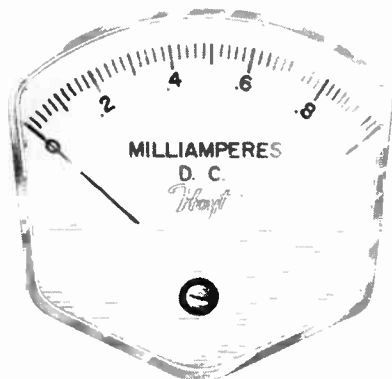
New design provides isolation of the entire device from chassis ground, thus eliminating the need for mica washers at the transistor case and greatly decreasing thermal resistance.

For further data, write: Dayrand Limited, 4612 St. Catherine St. West, Montreal 6, Quebec.

**Modern Design Panel Meter**

*Item 2555*

Especially suitable as original equipment or for modernizing older panels, this new HOYT Line of Panel Meters is available in matching AC and DC models fully interchangeable with all 3 1/2" meters. Designed in a striking configuration of transparent polystyrene that permits optimum admission of outside light for highest read-



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Model 1035 (DC) and Model 1036 (AC) are detailed in new literature that lists all HOYT Panel Meters.

Write for catalog and prices: Export Manager, Burton-Rogers Co., 42 Carleton St., Cambridge 42, Mass., U.S.A.



**... the "quality package" in  
mobile communications**

Completely manufactured in Canada . . . a quality Du Mont mobile communications system that gives your choice of 3 power ratings with guaranteed minimums across the band. Competitive in cost, this high-power mobile unit gives base-station stability . . . provides crystal clear reception at maximum working distances . . . is fully certified for land-mobile service and complies with D.O.T. type approval requirements for split channel use. Write for literature on Du Mont mobile radio systems . . . Canada's "quality package" in mobile communication.

● **HI-POWER**

Mobile units with the equivalent power of a conventional base station.

● **HIGH STABILITY**

through the use of high precision low drift crystals.

● **COMPLETE YET COMPACT**

Transmitter, receiver, power supply and all relays in one compact case.

● **SEALED SELECTIVITY**

If selectivity determined by directly interchangeable fixed frequency filters for either split channel or adjacent channel operation.

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# From the AMCI Catalogue

## AUTOMATIC IMPEDANCE PLOTTERS



- Continuous impedance display with frequency
- Available in portable and rack-mounted units

| Type  | Frequency Range (mc) | Line Size |
|-------|----------------------|-----------|
| 12    | 2.5-250              | Type N    |
| 11-Q  | 30-400               | Type N    |
| 11-PS | 180-1100             | Type N    |

## SLOTTED LINES

- Residual swr under 1.010
- Rated error in detected signal under 1.005
- Available with a wide variety of tapered reducers



TYPE 1026-4

| Type    | Frequency Range (mc) | Impedance (ohms) |
|---------|----------------------|------------------|
| 1026-13 | 50-3000              | 50 or 75         |
| 1026-8  | 75-3000              | 50 or 75         |
| 1026-6  | 100-3000             | 50 or 75         |
| 1026-4  | 150-3000             | 50 or 75         |
| 1026-2  | 300-3000             | 50 or 75         |

## COAXIAL SWITCHES

- High power ratings; swr under 1.06
- Pressurized
- Motor-driven and manually operated models



TYPE 1038

| Type | Frequency Range (mc) | Line Size |
|------|----------------------|-----------|
| 1038 | 0-450                | 6 1/8"    |
| 1136 | 0-500                | 3 1/8"    |

Very high peak power models for radar applications

|         |       |        |
|---------|-------|--------|
| 1038-HV | 0-450 | 6 1/8" |
| 1136-HV | 0-500 | 3 1/8" |

## INSTRUMENT LOADS

- High stability; very low swr
- Nearly all transmission line sizes



TYPE 1108B

| Type  | Frequency Range (mc) | Line Size | Max SWR |
|-------|----------------------|-----------|---------|
| 1108B | 0-1100               | Type N    | 1.02    |
| 2120  | 0-1000               | 1 1/8"    | 1.03    |
| 1112  | 0-1000               | 1 1/8"    | 1.03    |
| 1110  | 0-650                | 3 1/8"    | 1.03    |

## HYBRIDS

- Very broad band
- Very low residual unbalance



TYPE 1104

| Type   | Frequency Range (mc) | Max. SWR | Residual Unbalance (db) |
|--------|----------------------|----------|-------------------------|
| 1027-K | 60-120               | 1.4      | -50                     |
| 1027-L | 120-240              | 1.4      | -50                     |
| 1027-M | 240-480              | 1.5      | -50                     |
| 1027-N | 480-960              | 1.6      | -50                     |
| 1098   | 960-1600             | 1.6      | -40                     |
| 1102   | 1600-2400            | 1.5      | -40                     |
| 1104   | 2400-3600            | 1.5      | -34                     |
| 1100-K | 60-120               | 1.4      | -55                     |
| 1100-L | 120-240              | 1.4      | -55                     |
| 1100-M | 240-480              | 1.5      | -55                     |
| 1100-N | 480-960              | 1.6      | -55                     |
| 1099-N | 800-960              | 1.2      | -50                     |
| 1099-O | 975-1175             | 1.2      | -50                     |
| 1024   | TV Channels 2-13     | 1.05     | -50                     |

## OTHER PRODUCTS

TAPERED REDUCERS  
LINE STRETCHERS  
DIPLEXING FILTERS  
VOR ANTENNAS

TV BROADCASTING ANTENNAS —  
directional and omnidirectional  
ADJUSTABLE MATCHING NETWORKS  
IMPEDANCE STANDARD LINES

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Specification and  
Industrial Grades

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SUPER HEAT 125 High Heat Vinyl Sleeving. Surpasses normal 105° C requirements.

VINYL GLASS — Vinyl Coated Fibrous Glass Sleeving for NEMA VSI-1950, ASTM-D372-53T MIL-I-3190 (4).

CABLE JACKETING — Resinite EP-145 cable jacketing is 31 times more abrasion-resistant than neoprene. Exceeds all important specs of MIL-R-6855, Class II, Grade 60, synthetic rubber and MIL-I-3930A. Also a complete line of tapes and cable fillers.

Complete, comprehensive data on these Resinite materials is available from these distributors:

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24 Hillside Ave., Westmount  
Montreal

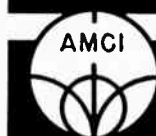
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CO. LTD.  
543 Yonge St., Toronto

PAISLEY PRODUCTS  
OF CANADA, LTD.  
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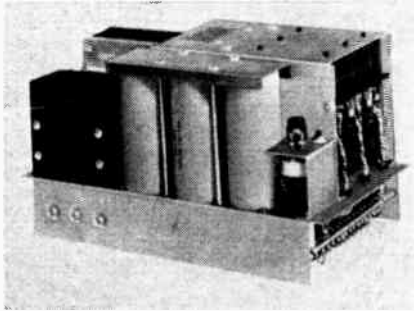
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## Modular DC Power Supplies

Item 2556

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### SPECIFICATIONS

| Model  | Output DC Volts | Output Amperes |
|--------|-----------------|----------------|
| 22-211 | 5-7             | 0-6            |
| 22-213 | 11-14           | 0-4            |
| 22-214 | 14-17           | 0-4            |
| 22-217 | 25-32           | 0-2.5          |

### TWO MODULES IN SERIES

| Model  | Output DC Volts | Output Amperes |
|--------|-----------------|----------------|
| 22-211 | 10-14           | 0-6            |
| 22-213 | 22-28           | 0-4            |
| 22-214 | 28-34           | 0-4            |
| 22-217 | 50-64           | 0-2.5          |

For further information write to: Dressen-Barnes Corp., 250 North Vinedo Ave., Pasadena, California.

To obtain further information on the product write-ups in this section use the post card coupon, page 201.

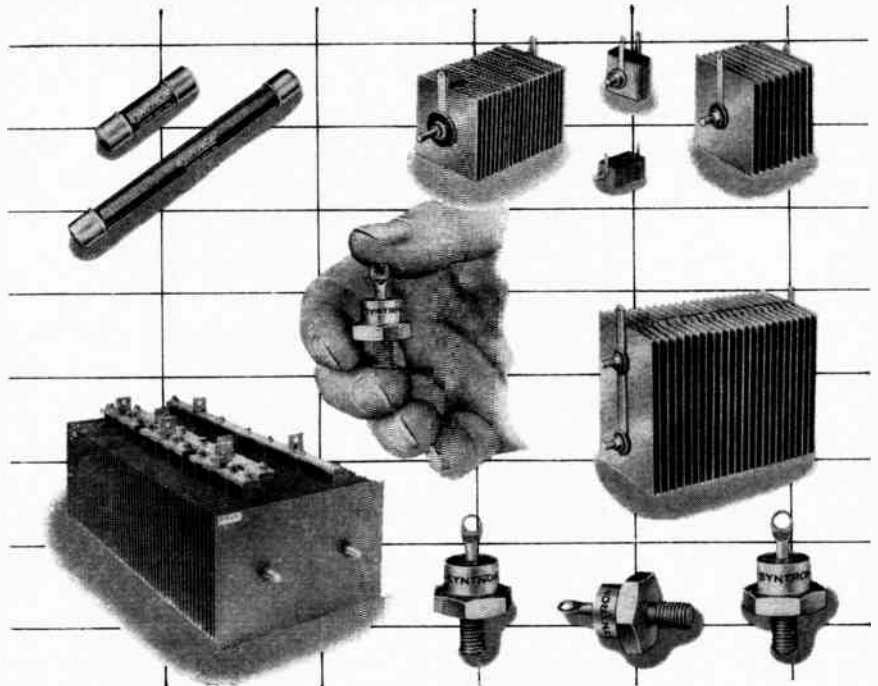
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at a low price  
buy Gold Brand!"

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METERS

STARK ELECTRONIC SALES COMPANY  
A/AX, ONTARIO

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Dept. "K"

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aluminum alloy

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*Specialists in design and custom engineered towers*

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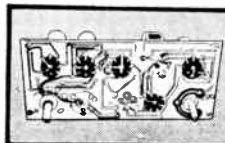
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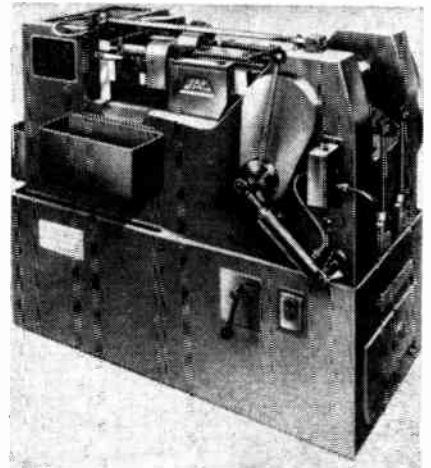
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Item 2557

For stamping, forming, tapping and rivetting.

Horizontal action, with two 20 ton slides for use with single or double progressive dies. For strip up to 3 1/4" wide and 1/8" thick. Available with attachment and tooling for simultaneous tapping and rivetting. Third



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Type 4 x 25 T for strip up to 7.874" wide and .118" thick.

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Full details from: Paul Reicher Machinery & Equipment Ltd., 600 Eglinton Ave. E., Toronto 12, Ont. Telephone: HU. 7-0647.

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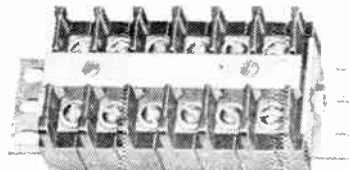
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**CURTIS TERMINAL BLOCKS**

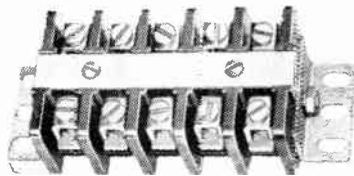
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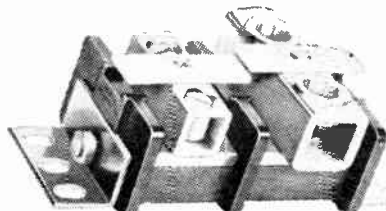
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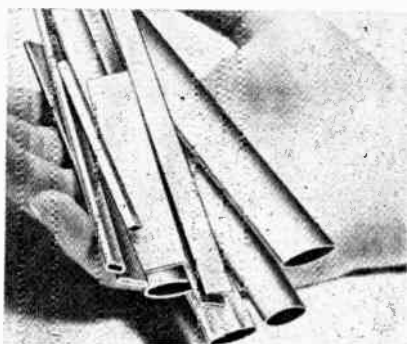
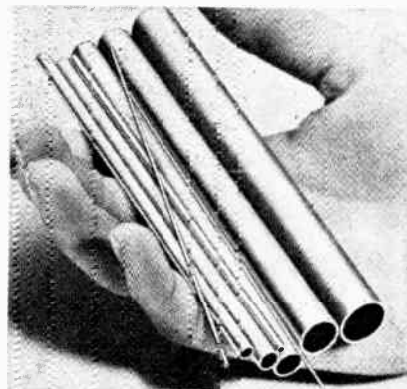
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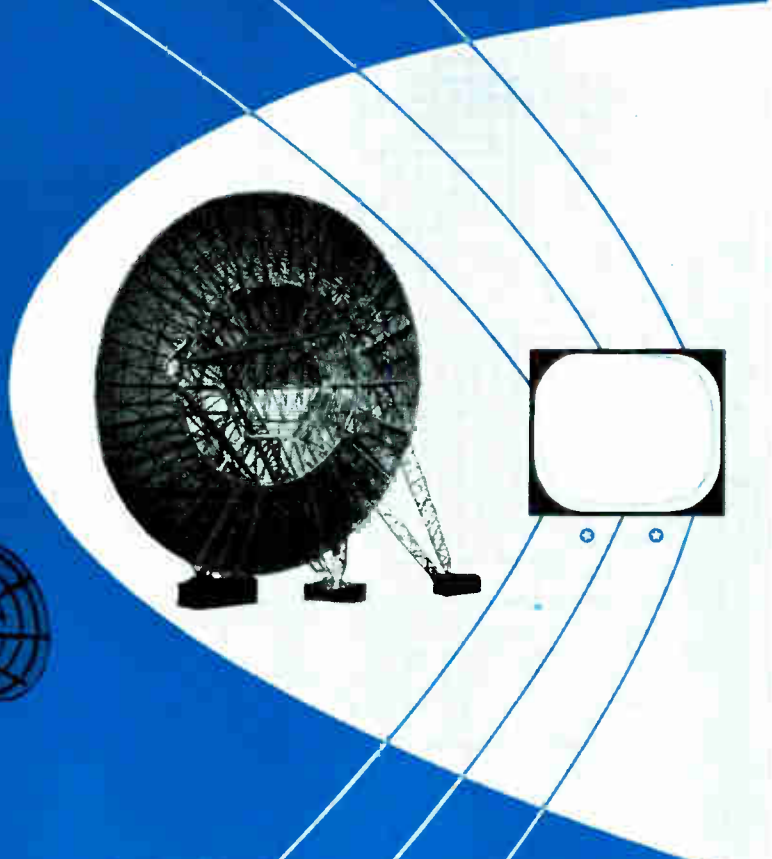
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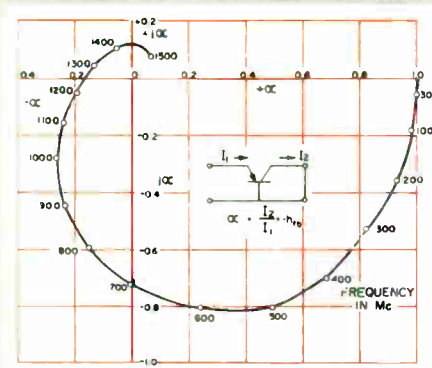


In the North a line of steel guardmen stand on sentry duty with eyes sweeping the horizon, ears listening to the silence of the snows . . . by his television set a farmer is studying the weather report . . . at your office the switchboard is receiving the first calls of the day. This is **communications**, where Northern Electric's research and development are pioneering new techniques and improving established ones.

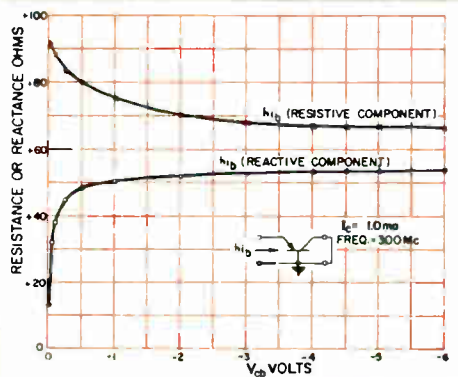
*The equipment for Canada's Trans-Continental Microwave system was manufactured and installed by the Northern Electric Company Limited, for the Trans-Canada Telephone System.*

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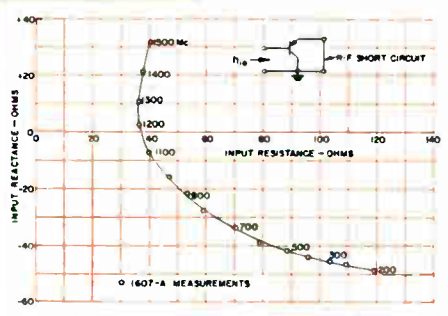
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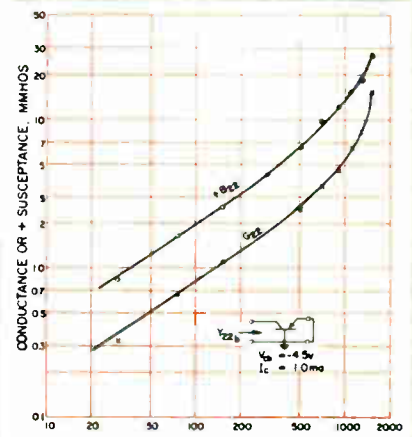
Plot of  $\alpha$ , or  $-h_{fb}$ , versus frequency.



Variation of transistor parameters as a function of collector voltage.

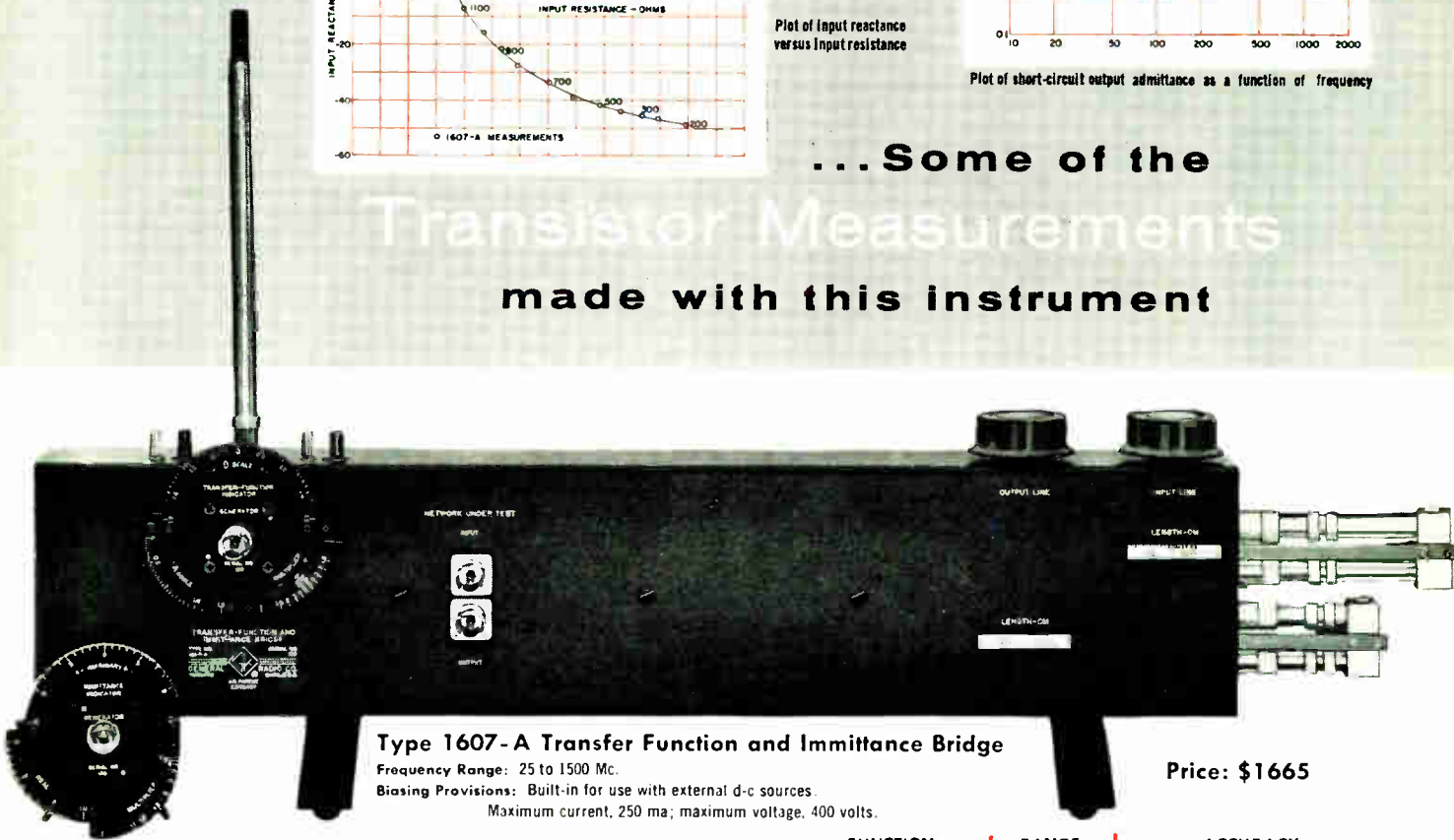


Plot of input reactance versus input resistance



Plot of short-circuit output admittance as a function of frequency

... Some of the  
Transistor Measurements  
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Frequency Range: 25 to 1500 Mc.

Biasing Provisions: Built-in for use with external d-c sources.

Maximum current, 250 ma; maximum voltage, 400 volts.

Price: \$1665

- ★ Measures  $h_{fb}$ ,  $h_{fe}$ ,  $h_{rb}$ ,  $h_{ib}$ ,  $h_{ie}$ ,  $h_{ob}$ ,  $h_{oe}$  of transistors directly, plus any desired short-circuit or open-circuit input, output, or transfer function of either active or passive networks.
- ★ Operates with very low r-f levels on unknown — an essential for accurate measurements of transistors and nonlinear devices.
- ★ The bridge is completely passive — stability of calibration dependent only on permanent physical dimensions.

write for complete information

| FUNCTION                       | RANGE       | ACCURACY  |
|--------------------------------|-------------|---|
| Voltage and current ratios (R) | 0-30        | $2.5(1 + \sqrt{R})\% + 0.025$                     |
| Transimpedance ( $Z_{21}$ )    | 0-1500 ohms | $2.5(1 + \sqrt{\frac{Z_{21}}{50}})\% + 1.25$ ohms |
| Transadmittance ( $Y_{21}$ )   | 0-600 mmhos | $2.5(1 + \sqrt{\frac{Y_{21}}{20}})\% + 0.5$ mmho  |
| Impedance ( $Z_{11}$ )         | 0-1000 ohms | $2.0(1 + \sqrt{\frac{Z_{11}}{50}})\% + 1.0$ ohm   |
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