

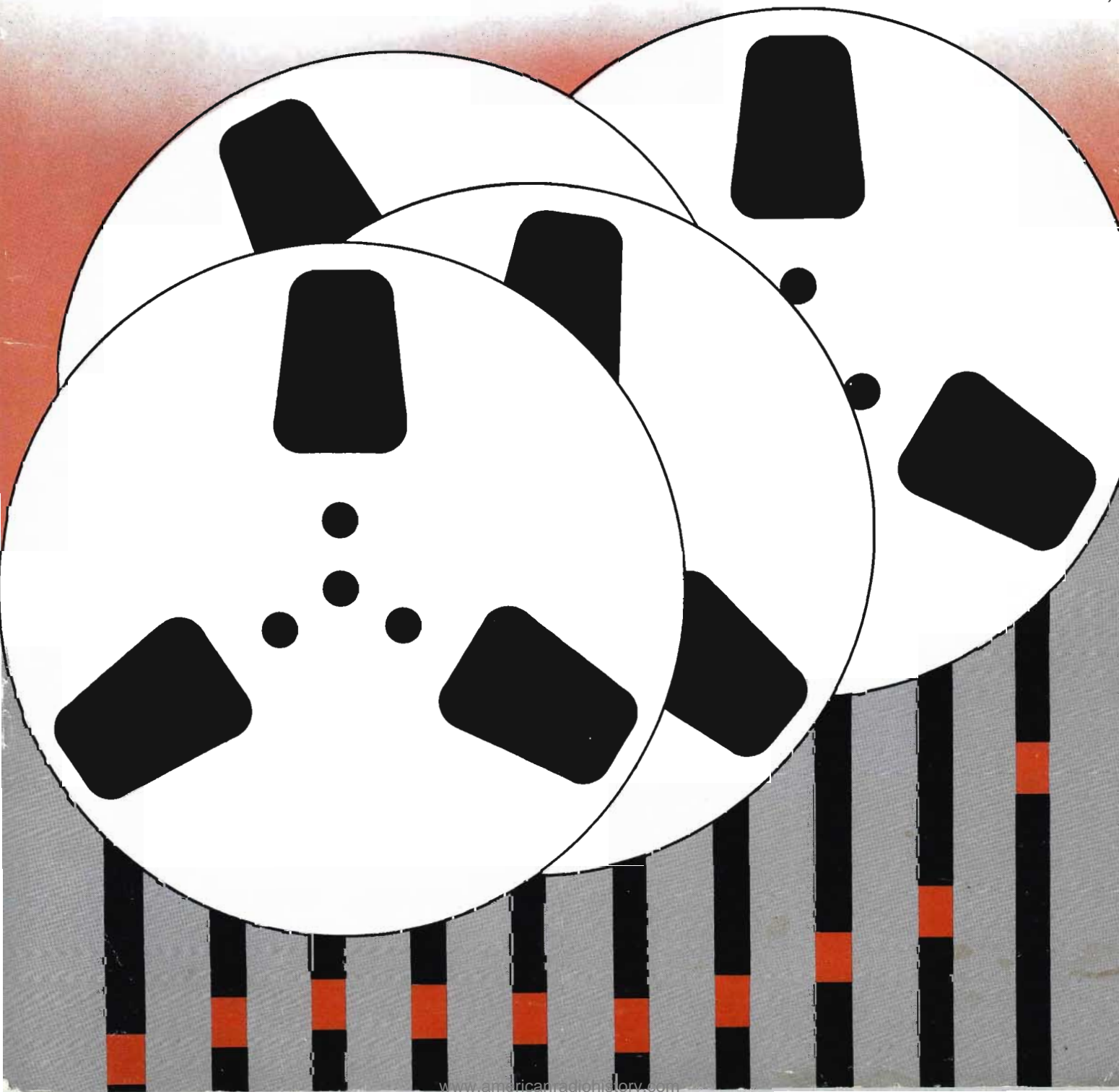
# Lauderdale Electronic Labs



BROADCAST SUPPLIES AND EQUIPMENT

## 1985 catalog

16 S.W. 13th STREET, FORT LAUDERDALE, FLORIDA 33315 • TELEPHONE (305) 764-7755





SID TIBBETTS

## **20th ANNIVERSARY CELEBRATION THE PRESIDENT'S MESSAGE**

Dear Friends,

Time and experience tell. For 20 years we have done our best to please you with our products and services.

We thank you for your confidence in us.

All of us have seen many changes in electronic technology in the past 20 years. Now — the future — new innovations and developments are forthcoming — we're on top of it!

Let us continue to work with you and we will pledge to exceed our past performance to give you the best in service, warranties, technical advice and sincere effort.

We wish you a great success in 1985.

SID TIBBETTS

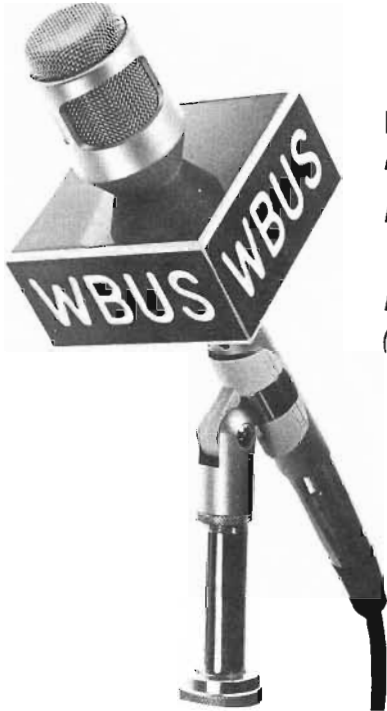
President and Director  
of Research and Development

# MICROPHONE FLAGS

## 4-SIDED BLOCK STYLE MIC-FLAG!

**LOCK GRIP CENTER**  
Position mic-flag  
where you want it!

**HANDLES MICROPHONES**  
With 7/8 diameter  
and smaller.



Measures 1½" x 3"  
Each Side  
*Black Flag With Engraved  
White Border*  
*Engraved White Call Letters  
(not available in raised style)*

**4-SIDED MIC-FLAG**  
ORDER #6653 . . . \$49.50

**CUSTOM COLOR**  
**RED or BLUE**  
ORDER #6654 . . . \$54.50

## 3-SIDED ROUND-STYLE MIC-FLAG!

**AM - FM - TV**  
Above or Below  
Call Letters



Custom Color with  
White Engraved  
Letters - Red, Blue  
ORDER #6652  
NC \$49.50

Black with White  
Engraved Letters  
ORDER #6651  
\$44.50

## HORIZONTAL AND VERTICAL MICROPHONE FLAGS

- Raised Call Letters with White Border — or —
- Engraved Call Letters with Engraved Border
- Special Microphone Clip Allows a 360° Swing of Flag for Maximum Viewing Under Any Condition (included)
- Horizontal Size 1½" x 5"
- Vertical 1¾" x 5"

### CUSTOM COLORS — Red or Blue

**SINGLE-FACED, HORIZONTAL, VERTICAL** ORDER #6659 . . . \$18.00  
**DOUBLE-SIDED, HORIZONTAL, VERTICAL** ORDER #6664 . . . \$36.00

**HORIZONTAL  
RAISED LETTERS  
HR-5**

ORDER #6657 . . . \$16.00  
2-SIDED #6667 . . . \$32.00



**HORIZONTAL  
ENGRAVED LETTERS  
HE-5**

ORDER #6656 . . . \$14.00  
2-SIDED #6666 . . . \$28.00



**VERTICAL  
RAISED LETTERS  
VR-5**

ORDER #6658 . . . \$16.00  
2-SIDED #6668 . . . \$32.00



**VERTICAL  
ENGRAVED LETTERS  
VE-5**

ORDER #6655 . . . \$14.00  
2-SIDED #6665 . . . \$28.00

WLFL-FM  
96 ROCK

## NEW — L.E.L. CUSTOM PINS

Let Everyone Know Who You Are At Those Special Events —  
Or Give Away To Promote Your Station.

ORDER #6660 . . . \$1.25 Each  
CALL FOR QUANTITY PRICE.

WLFL-AM-FM  
DEBI

WLFL-FM  
ROGER

WLFL-AM  
COUNTRY

# ERASERS & DEMAGNETIZERS



ORDER #8150 . . . \$58.00

## HAND HELD ERASER

ORDER #8151	TRANSFORMER . . . . .	\$38.50
ORDER #8155 ES	SWITCH . . . . .	\$10.50
ORDER #8160 EB	BOTTOM . . . . .	\$10.60
ORDER #8165 ET	TOP . . . . .	\$10.60
ORDER #8170 EP	BUTTON . . . . .	\$ 7.65
ORDER #8175 EH	HANDLE . . . . .	\$ 9.80



#R24017

ORDER #8400 . . . \$21.60

## VP-2001

A professional eraser for  $\frac{3}{4}$ " U-Matic, 1" and 2" broadcast quality tape.

"Industrial and Broadcast high-energy tapes are the hardest to erase. The VP-2001's tremendous power not only can be felt, but you can actually *hear its pulsing action* removing all traces of video and audio signals, and even time codes."

2000 gauss, with thermal overload circuit, 115 V, 60 Hz, 10 A.

All Measurements of Gauss Taken At  $\frac{1}{4}$  Inch.



ORDER #8149 . . . \$165.00

## HAN-D-MAG



**HDM/800**  
Professional Demagnetizer

ORDER #8210 . . . \$35.00

## PROFESSIONAL HEAD DEMAGNETIZER

### NORTRONICS



**QM-202**

Flexible probe reaches into tightest spaces to remove residual magnetism from heads, guides and other metallic parts. Soft plastic on probe will not damage sensitive head faces. Leaf switch activates with fingertip pressure. Use on reel-to-reel, cassette and 8-track cartridge recorders.

ORDER #3630 . . . \$32.00

# BROADCAST TAPE

**Scotch** **3M**

## LOW NOISE

Order #	Tape Description	Reel Size	Ctn. Qty.	Broadcast Net		
				Each	Mult. of 12 Ea.	48 + Ea.
176 8695	176-1/4-1200-PRB	7" Bulk Pak	48	\$5.93	\$5.53	\$ 5.33
8700	176-1/4-2500-HPB	Bulk Hub	12	6.84	6.38	6.15
8705	176-1/4-2500-RO	10 1/2" Metal	12	16.83	15.70	15.15

Order #	Tape Description	Reel Size	Ctn. Qty.	Broadcast Net		
				Each	Mult. of 12 Ea.	48 + Ea.
177 8710	177-1/4-1800-PRB	7" Bulk Pak	48	8.10	7.56	7.29
8715	177-1/4-3600-HPB	Bulk Pak	12	8.94	8.34	8.04
8720	177-1/4-3600-RN	10 1/2" Metal	12	21.51	20.08	19.35

## MUSIC MASTERING HIGH OUTPUT LOW NOISE

Order #	Tape Description	Reel Size	Ctn. Qty.	Broadcast Net		
				Each	Mult. of 12 Ea.	48 + Ea.
206 8735	206-1/4-1200	7" Plastic	12	7.83	7.30	7.04
8740	206-1/4-2500-HPB	Bulk Hub	12	10.22	9.53	9.19
8745	206-1/4-2500-RO	10 1/2" Metal	12	19.42	18.11	17.46

Order #	Tape Description	Reel Size	Ctn. Qty.	Broadcast Net		
				Each	Mult. of 12 Ea.	48 + Ea.
207 8760	207-1/4-1700	7" Plastic	12	10.64	9.92	9.57
8765	207-1/4-3600-HPB	Bulk Hub	12	17.01	15.87	15.30
8770	207-1/4-3600-RO	10 1/2" Metal	12	25.80	24.08	23.22

Order #	Tape Description	Reel Size	Ctn. Qty.	Broadcast Net		
				Each	Mult. of 12 Ea.	48 + Ea.
226 8771	226-1/4-1200	7" Plastic	12	9.18	8.56	8.26
8772	226-1/4-2500-H	Bulk Hub	12	12.53	11.69	11.27
8773	226-1/4-2500-RN	10 1/2" Metal	12	22.95	21.42	20.65

Order #	Tape Description	Reel Size	Ctn. Qty.	Broadcast Net		
				Each	Mult. of 12 Ea.	48 + Ea.
250 8775	250-1/4-1200	7" Plastic	12	8.82	8.23	7.93
8780	250-1/4-2500-HPB	Bulk Hub	12	12.53	11.69	11.27
8785	250-1/4-2500-RO	10 1/2" Metal	12	22.95	21.42	20.65

**Scotch**  
LEADER AND  
TIMING TAPE

## SPLICING AND LEADER TAPE

### LEADER TAPE — No. 20 & 61

Order #	Tape Description	Tape Size	Broadcast Net	
			(1-11)	(12+)
8650	20-1/4-1000	1/4" x 900' Paper	\$ 5.68	\$ 4.83
8660	61W-1/4-1500	1/4" x 1000' Plastic	10.19	8.67

### SPLICING TAPE — No. 41 Standard

Order #	Tape Description	Tape Size	Broadcast Net	
			(1-11)	(12+)
8670	41-7/32-66	7/32" x 66'	\$ 3.43	\$ 2.92
8675	41-1/2-66	1/2" x 66'	3.64	3.10

### SPLICING TAPE — No. 620 Mastering Polyester

Order #	Tape Description	Tape Size	Broadcast Net	
			(1-11)	(12+)
8800	620-7/32-66	7/32" x 66'	\$ 5.21	\$ 4.43
8805	620-1/2-66	1/2" x 66'	7.75	6.58

**AMPEX**

## MASTERING TAPE

Order #	Tape Description	Reel Size	Ctn. Qty.	Broadcast Net		
				Each	Mult. of 10 Ea.	40 + Ea.
406 1100	406-1/4-1200	7" Plastic	40	\$7.82	7.29	7.03
1105	406-1/4-2500-HPB	Bulk Hub	10	10.86	10.14	9.77
1110	406-1/4-2500-RO	10 1/2" Metal	10	20.10	18.76	18.09

Order #	Tape Description	Reel Size	Ctn. Qty.	Broadcast Net		
				Each	Mult. of 10 Ea.	40 + Ea.
407 1115	407-1/4-3600-HPB	Bulk Hub	10	17.31	16.16	15.58
1116	407-1/4-3600-RO	10 1/2" Metal	10	27.26	25.44	24.53

## GRAND MASTER

Order #	Tape Description	Reel Size	Ctn. Qty.	Broadcast Net		
				Each	Mult. of 10 Ea.	40 + Ea.
456 1120	456-1/4-1200	7" Plastic	40	9.27	8.65	8.34
1125	456-1/4-2500-HPB	Bulk Hub	10	13.47	12.57	12.12
1130	456-1/4-2500-RO	10 1/2" Metal	10	24.60	22.96	22.14

## 600 SERIES

### STANDARD OUTPUT (AUDIO TAPE)

Order #	Tape Description	Reel Size	Ctn. Qty.	Broadcast Net	
				Each	Price
631 131111	1/4" x 600'	(5"P)	40	\$ 3.36	
151111	1/4" x 1200'	(7"P)	40	5.08	
173111	1/4" x 2500'	(10 1/2" NAB)	10	14.86	

### LOW NOISE HIGH OUTPUT

Order #	Tape Description	Reel Size	Ctn. Qty.	Broadcast Net	
				Each	Price
632 131111	1/4" x 600'	(5"P)		\$ 6.13	
151111	1/4" x 1200'	(7"P)		9.17	
173111	1/4" x 2500'	(10 1/2" M)		29.23	

## LEADER TAPE



RED ORDER #6670	YELLOW ORDER #6671	BLUE ORDER #6672	GREEN ORDER #6673	WHITE ORDER #6674
\$12.00	\$12.00	\$12.00	\$12.00	\$12.00

## L.E.L. 25-1/4-1000 EXTRA LARGE 1000 FT. ROLLS

CLEAR WINDOW LEADER — ORDER #6669 . . . \$12.00

# REEL-TO-REEL ALIGNMENT TAPES



STL Test Tapes are recorded directly from precision generating equipment to provide the most accurate Azimuth reference possible — thanks to Standard Tape Laboratory's exclusive production techniques.

## REEL-TO-REEL ALIGNMENT TAPES

Order #	Tape Width	Tape Speed	Description	Price
9350	¼"	3½ ips	#1 Full Track	\$50.00
9355	¼"	7½ ips	#2 Full Track	50.00
9360	¼"	7½ ips	#2 2-Track	50.00
9370	¼"	15 ips	#3 Full Track	50.00
9375	¼"	15 ips	#3 2-Track	50.00
9380	½"	7½ ips	#5 Full Track	105.00
9385	½"	15 ips	#6 Full Track	105.00



## REEL-TO-REEL FLUTTER TAPES

Order #	Tape Width	Tape Speed	Description	Price
9410	¼"	7½ ips	#52 Flutter 3kHz	\$50.00

## REEL-TO-REEL PINK NOISE TEST TAPES

Order #	Tape Width	Tape Speed	Description	Price
9420	¼"	7½ ips	P-2 Pink Noise	\$55.00



## REEL-TO-REEL SWEEP TAPES

Order #	Tape Width	Tape Speed	Description	Price
9430	¼"	7½ ips	FS-2 Sweep 300'	\$55.00

## CASSETTE ALIGNMENT TAPE

ORDER #9417 ... \$70.00

## MRL TEST TAPES

The Test Tape Used As A Standard By Recording Studios.

## REEL-TO-REEL ALIGNMENT TAPES

for Mono — Stereo — Multi-Track

Order #	Tape Width	Tape Speed	For Standard Tapes 176 etc.	Price
3093	¼"	7½ ips	T204	\$50.00
3094	¼"	15 ips	J205	50.00
3095	¼"	30 ips	L221	60.00
3089	¼"	3¾ ips	F101	50.00
3090	¼"	7½ ips	T104	50.00
3091	¼"	15 ips	J105	50.00
3092	¼"	30 ips	L121	60.00

ALSO AVAILABLE — ½", 1", and 2"

## SWEEP FREQUENCY (500Hz to 20kHz)

Order #	Tape Width	Tape Speed	For High Output Tapes 206/406	Price
3096	¼"	7½ ips	T136	\$50.00
3097	¼"	15 ips	J137	50.00

MRL G-100 SCALE

ORDER #3099 ... \$7.25

MRL G-125 SCALE

ORDER # ... \$7.25

MRL G-080 SCALE

ORDER # ... \$7.25

## CARTRIDGE TEST TAPES

31F ALIGNMENT CART	ORDER #9390 ... \$60.00
31A ALIGNMENT CART	ORDER #9395 ... \$60.00
31AAA ALIGNMENT CART	ORDER #9397 ... \$60.00
31M ALIGNMENT CART	ORDER #9400 ... \$60.00
35-F1 FLUTTER TEST CART	ORDER #9405 ... \$55.00
P-34 PINK NOISE CART	ORDER #9415 ... \$65.00
F-34 SWEEP TONE CART	ORDER #9425 ... \$65.00

ALSO AVAILABLE IN AA-3 CART

## AT-200 CASSETTE ALIGNMENT TAPE



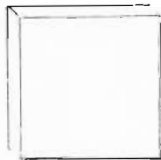
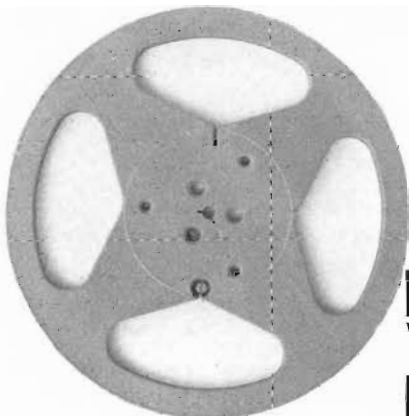
ORDER #3500 ... \$82.00

ORDER #8850 M7A 7" ... \$5.20  
ORDER #8860 M10A 10" ... \$9.50



TAKE A-PART REEL  
ORDER #8810 RNB 10½" ... \$10.60

## PLASTIC REELS



## EMPTY WHITE BOXES

Order #	Reel Description	Reel Size	Broadcast Net			
			(1-11)	(12-99)	(100-499)	(500 +)
9825	PR-¼-3	¼" x 3"	\$ .25	\$ .20	\$ .19	\$ .17
9830	PR-¼-5	¼" x 5"	\$ .49	\$ .44	\$ .42	\$ .36
9835	PR-¼-5 NAB	¼" x 5" NAB	\$ .58	\$ .53	\$ .43	\$ .40
9840	PR-¼-7	¼" x 7"	\$ .58	\$ .53	\$ .47	\$ .45
9845	PR-¼-7-NAB	¼" x 7" NAB	\$ .69	\$ .65	\$ .60	\$ .55
9850	PR-¼-10½ NAB	¼" x 10½"	\$3.60	\$3.05	\$2.70	\$2.50
9855	PR-¼-10½ EIAA	¼" x 10½"	\$3.40	\$2.55	\$2.27	\$2.00

NAB Specifies 3" low torque hub.

Order #	Box Description	Box Size	Broadcast Net			
			(1-11)	(12-99)	(100-499)	(500 +)
9800	B-¼-3	¼" x 3"	\$ .19	\$ .18	\$ .17	\$ .15
9805	B-¼-5	¼" x 5"	\$ .33	\$ .31	\$ .29	\$ .28
9815	B-¼-7	¼" x 7"	\$ .39	\$ .37	\$ .33	\$ .31
9820	B-¼-10½	¼" x 10½"	\$1.44	\$1.17	\$ .95	\$ .89

BOXES are white heavy duty construction.

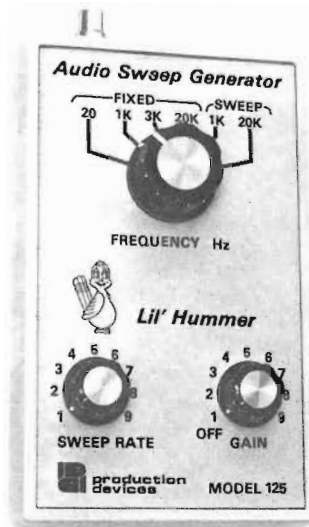
# ENGINEERING TOOLS



## "Pocket Size" SWEEP GENERATOR

- The Lil' Hummer Boasts:
- 1% Distortion (THD)
  - 1% Frequency Accuracy
  - Flat Frequency Response

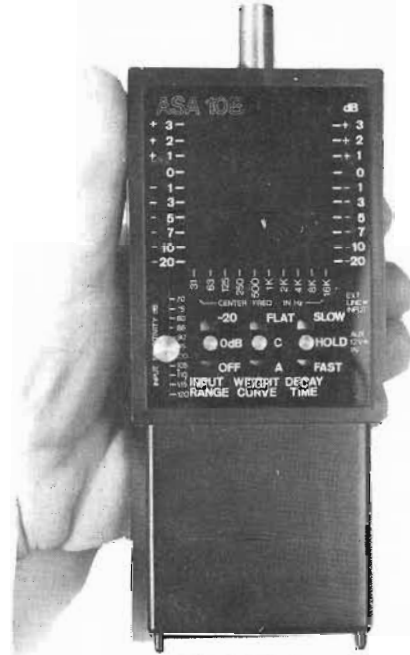
This compact generator provides a low distortion sine wave at four fixed frequencies, 20 Hz, 1 kHz, 3 kHz, and 20 kHz. It also sweeps automatically over two ranges, 0 to 1 kHz, and 0 to 20 kHz. The sweep rate is adjustable from .5 seconds to 30 seconds. Output is variable from 0 to 1.5 V PP into 600 ohm load. Once set, the amplitude remains flat from 20 Hz to 20 kHz ( $\pm 1/4$  dB). A special regulator circuit allows the two batteries to change from 9 volt to 5 1/2 volts, with NO CHANGE in output characteristics. The standard sine wave may easily be converted to square or triangle wave. The four fixed frequencies may be readjusted to other frequencies. Size: 5 3/4" x 1-1/8". Weight: 9 oz.



**MODEL 125**  
ORDER #3848 . . . \$49.95

## GOLD LINE

# AUDIO SPECTRUM ANALYZER



**ASA-10B**  
ORDER #1533 . . . \$299.95

VINYL CASE FOR ASA-10B AVAILABLE  
\$15.95

### FEATURES:

- Measurement Range
- Center Frequencies (Hz)
- Relative Flatness Channel to Channel
- Weighting
- Hold Function
- Microphone
- Input Impedance
- Display Channels
- Center Frequency Accuracy
- SPL Display (Broadband)
- Detector Decay
- Display Range
- External Input
- Power Supply

## Pink Noise Generator



- LOW DRAIN • LONG BATTERY LIFE • WIDE BAND
- SMALL SIZE • DIGITAL GENERATOR • 600 OHMS OUT

### PNG-1 PINK NOISE GENERATOR

ORDER #6448 . . . \$133.00  
Requires 2 9-Volt Batteries.

RECHARGEABLE BATTERY, 9 VOLT See Page 68  
ORDER #5506 . . . \$9.99



## Pink Noise Generator

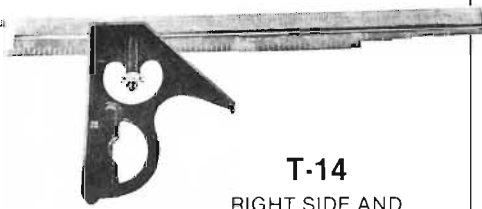
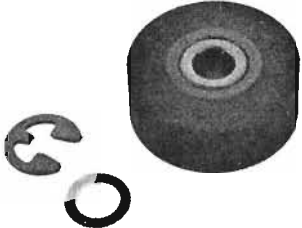

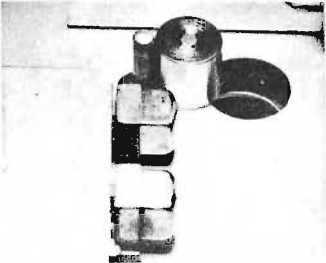
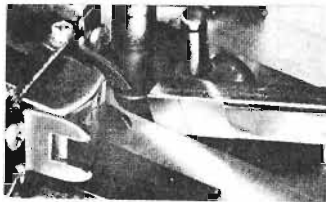
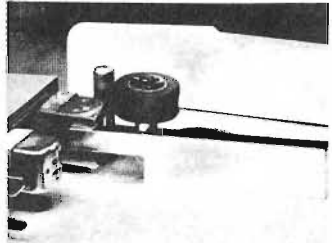


ORDER #1535 . . . \$69.95

# CARTRIDGE MACHINE ALIGNMENT TOOLS

## DON'T GUESS WHEN IT COMES TO CRITICAL CART MACHINE ALIGNMENT!

Save valuable engineering time — These precision tools are designed to set up your machine to NAB specifications with no guessing involved. Maintaining and checking equipment can be done in minutes!

 <p><b>T-14</b> RIGHT SIDE AND HEAD ROTATION GAUGE ORDER #6620 . . . \$16.50</p>	 <p><b>STANDARD NAB PRESSURE ROLLER</b> HEAVY DUTY — Fits all cart machines ORDER #9580 . . . \$7.95</p>	 <p><b>C-1 HEAD INSERTION GAUGE</b> ORDER #6055 . . . \$6.50</p>
 <p><b>T-10</b> PRESSURE ROLLER GAUGE ORDER #6605 . . . \$11.70</p>	 <p><b>T-11</b> CAPSTAN GAUGE ORDER #6610 . . . \$7.95</p>	 <p><b>T-12</b> TAPE GUIDE HEIGHT GAUGE ORDER #6615 . . . \$15.98</p>

## ALIGNMENT CARTRIDGES ALL TEST CARTS ARE IN NAB 350

The idea behind this series of test carts is to have the test you need, when you need it, and not to have to listen through all other recorded material not pertinent to the test being performed. If you want to adjust the Azimuth, the 20 seconds or so of 15 kHz on the front of the regular alignment cart never seems to be quite enough to finish the adjustments and you have to listen to 4½ minutes of other material you don't want, waiting to get another 20 second shot at the Azimuth. We are putting one test on one cart and the whole set will not cost much more than the present set. This is what we are offering:

Detailed instructions and other technical information are packed with each cart.

# 5: **15 kHz AZIMUTH ALIGNMENT.** A continuous, no cue tone tape, of accurately Azimuthed 15 kHz at 10 dB.

#C-5 ORDER #6075 . . . \$19.50

# 7: **CUE TEST (1000 Hz).** Cue tones are recorded -6 dB. If you adjust the cue sensitivity to pick up this level, you will have no trouble with your normal level.

#C-7 ORDER #6085 . . . \$11.80

# 8: **SWEEP TONE — 0 to 15 kHz.** If you have a scope, this cart is the greatest thing since the invention of the wheel! Put in this cart, hook up your scope to the output and you have a complete frequency response curve drawn on your scope.

#C-8 ORDER #6090 . . . \$16.50

#10: **STANDARD TONE LEVEL.** 700 Hz is the NAB standard tone for reference on tape and carts. With this cart and a meter (or the V.U. meter in the board), you can set the output of all the cart machines all the same in both the studio and production room. 1000 Hz is the standard reference for most other things. The 1 kHz is right on frequency, so you can put a counter on it for a real accurate check on tape speed. 3000 Hz is the U.S. standard tone for WOW and Flutter Testing. You can hear speed changes in this frequency range better. If you have a flutter meter, this is the cart you want.

#10A 700 Hz ORDER #6115 . . . \$12.50

#10B 1000 Hz ORDER #6120 . . . \$12.50

#10C 3000 Hz ORDER #6125 . . . \$12.50

#10D 3150 Hz ORDER #6130 . . . \$12.50

#11: **PINK NOISE.** Pink noise is an old time tool for industry which is just now starting to be used by broadcast and recording engineers. This is it when it comes to phasing stereo heads. There is no faster or easier way. You start out with a "fuzzy ball" on your scope and twist the Azimuth screw for a straight line.

#C-11 ORDER #6135 . . . \$16.75

#13: **150 Hz SECONDARY CUE.** Full track 150 Hz pulses every 10 seconds so you can hear when the relay should pull in.

#C-13 ORDER #6145 . . . \$12.50

#14: **8 kHz TERTIARY CUE.** Full track 8000 Hz pulses every 10 seconds so you can hear when the relay should pull in.

#C-14 ORDER #6150 . . . \$12.50

#18: **EQUALIZATION.** When you want to adjust the response to flat, the fastest way is the sweep cart, but if you need to use a meter instead of a scope — this is the answer. It is a 1 kHz tone with 10 kHz and 100 Hz for comparing the high and low ends with 1 kHz.

#C-18 ORDER #6185 . . . \$16.50

**CALL L.E.L.**  
**For Quantity and**  
**Package Pricing**  
**1-800-327-3793**  
**FLA. 1-800-432-1258**



# NORTRONICS HEADS



## CARTRIDGE MACHINES CALL TODAY FOR OUR NEW LOW PRICE



RECORDER MANUFACTURER AND MODEL	ORIGINAL HEADS			NORTRONICS REPLACEMENT
	Mfg. Head No.	Head Function	Mount	Original Head

### ATC (GATES)

CP11, CP12, CP13	Mono	20-1014 20-1011	Record-Program & Cue Play-Program & Cue	Rear Mount	2053 2057
CP21, CP22, CP23, CPR23	Stereo	20-1016 20-1015	Record-Program & Cue Play-Program & Cue	Rear Mount	5753 5757
P150, P190, PB150, PB190 PC150, PC190	Mono	20-1001 20-1001	Record/Play-Program Record/Play-Cue	Rear Mount	3251 3250

### COLLINS

P150, P190, PB150, PB190	Mono	235-0012 235-0012	Record/Play-Program Record/Play-Cue	Rear Mount	3251 3250
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### GATES

Criterion (Compact) (Play Only) 6794, 6815	Mono	730-1376 730-1371	Mono Playback Stereo Playback	No Mount	2007 5707
Criterion I, 80 Mono CPD-811, MPD-811	Mono	730-1155 730-1153	Record-Program & Cue Play-Program & Cue	Rear Mount	2053 2057
Criterion I, 80 Stereo CPD-821, MPD-821	Stereo	730-1157 730-1156	Record-Program & Cue Play-Program & Cue	Rear Mount	5753 5757

### SPOTMASTER (BROADCAST ELECTRONICS)

2 Channel Heads 303C, 303D; 305C, 305D; 400A, 400B; 405A, 405B; 500B, 500BR, 500C, 500C/A, 500CR, 500D, 500D/A, 500DR; 505B, 505BR, 505C, 505C/A, 505CR, 505D, 505D/A, 505DR; 605B, 605C; 610A, 610BR, 610BX, 610CR, 610CX; Three/70; 1070P, 1070RP	Mono	DM2RB DM1B	Record-Program & Cue Play-Program & Cue	Rear Mount	2053 2051
		DM2RC DM1C	Record-Program & Cue	Rear	7252 7251
3 Channel Heads 303C, 303D; 305C, 305D; 500ARS, 500AS, 500BS, 500BRS, 500CRS, 500CS; 1070RP-S	Stereo	DM3RB D1SA DM36C	Record-Program & Cue Play-Program & Cue Record-Program & Cue	Rear Mount Rear Mount	5753 5751 7253

### TAPECASTER

700P, 700RP	Mono	P-B2H7K-R P-B2H7K-R	Record & Play (2 heads, same)	Rear Mount	2051 2056
700PS, 700RPS	Stereo	P-B3Q7K-R P-B3Q7K-R	R/P-Program & Cue (1 head only)	Rear Mount	5751 5754

### INTERNATIONAL TAPETRONICS

SP-0001, SP-0003, SP-0005 (WP Series also)	Mono	504-0002 504-0001	Playback Dummy Head	No Mount	2001 7605
SP-0002, SP-0004, SP-0006 (WP Series & Iso)	Stereo	504-0004 504-0001	Playback Dummy Head	No Mount	5701 7605
RP-0001, RP-0003, RP-0005	Mono	504-0004 504-0002	Record Playback	No Mount	2003 2001
RP-0002, RP-0004, RP-0006	Stereo	504-0005 504-0004	Record Playback	No Mount	5703 5701

**IF YOUR HEAD  
IS NOT LISTED  
CALL**

**Tape Head Replacements for  
Broadcast Cartridge Recorders**

**NOW AVAILABLE — Long Life DURA CORE Heads.**

**ORDER 6 OR  
MORE HEADS  
10% OFF**

# PRODUCTION ROOM ITEMS



**BE KIND TO YOUR HEADS**  
*Improve the Quality of Your Recordings!*

## TAPE HEAD CLEANER



**QC-108**  
 8 oz.

ORDER #6485 ... \$4.95



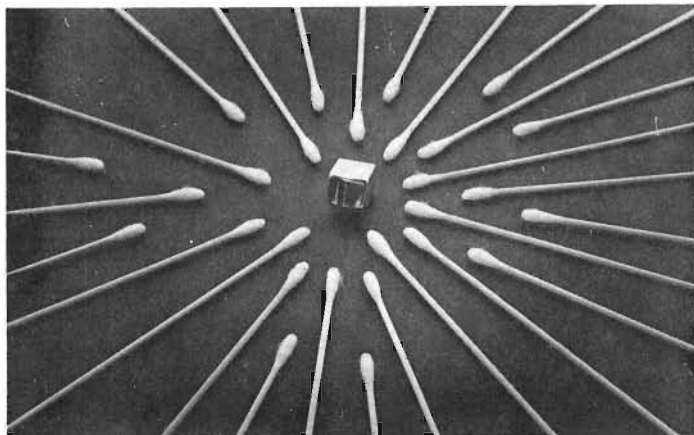
**QC-132**  
 32 oz.

ORDER #6495 ... \$9.95

**QC-432 HEAD CLEANER (One Gallon)**  
 ORDER #6496 ... \$30.00

## HEAD CLEANER SWABS

*Clean Your Heads And Other Hard To Reach Spots!*



ORIGINAL 6" LENGTH

HCS-1000 pkg./1000

ORDER #6340 ... \$10.50

HCS-100 pkg./100

10 or more pkgs. ... \$ 9.95

ORDER #6335 ... \$ 2.50

NEW FOR AUTOMATION — GIANT 8" SWABS

HCS-100 pkg./100

ORDER #6336 ... \$ 9.50

SUPER GIANT 18" SWABS

HCS-1000 pkg./100

ORDER #6337 ... \$10.50



CM-12 WHITE CHINA MARKERS Box of 12 ORDER #6270 ... \$8.65

CM-12 YELLOW CHINA MARKERS Box of 12 ORDER #6275 ... \$8.65

164T PEEL MARKERS WHITE Box of 12 ORDER #6277 ... \$6.55

170T PEEL MARKERS YELLOW Box of 12 ORDER #6276 ... \$6.55

## STD-1 PROFESSIONAL SPLICING TAPE DISPENSER



Heavy Duty Rubber Base  
 7/32" or 1/2" Tape  
 ORDER #6600 ... \$5.95

## SINGLE EDGE RAZOR BLADES



RB-100 NON-OILED  
 ORDER #6510 ... \$7.00



## HEAVY DUTY SPLICING BLOCK

ORDER #6530-SB3-1/4" ... \$21.00  
 ORDER "6535-SB3A-1/4" ... \$21.50

EDIT-ALL  
 CX1-100  
 ORDER #2030  
 \$6.00

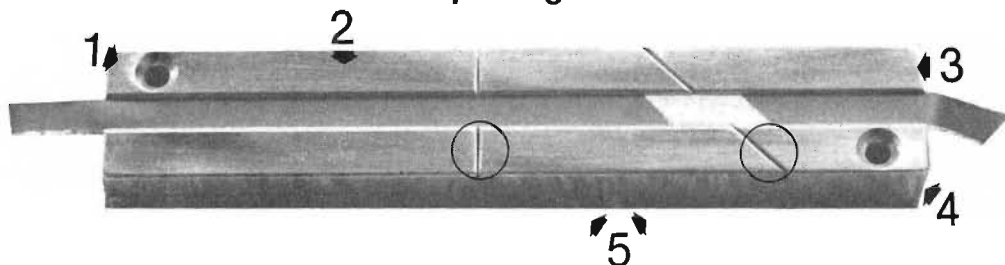
EDIT-ALL  
 CX1B-1000  
 ORDER #2035  
 \$32.00

## PRE-CUT SPLICING TABS



CX-7 3/4" - 100  
 ORDER #2075 ... \$7.00

**The Finest Professional Splicing Block Ever Produced!**



PRO-1000 SPLICING BLOCK  
 ORDER #6536 ... \$29.00

PRO-1000A SPLICING BLOCK  
 (self adhesive backing)  
 ORDER #6537 ... \$29.50

### FEATURES:

- #1 Counter sunk holes for machine or counter top mounting.
- #2 Super smooth tape entry way. (No burrs to cut fingers.)
- #3 Razor blade storage slot when block is mounted horizontally.
- #4 All corners and sharp edges have been rounded. Entire block has a satin smooth mirror-like finish.
- #5 Angled cutting slots allow fast and precise razor blade entry.

# LUBRICATED CARTRIDGE TAPE



**NOW AVAILABLE**

**Scotch 3M**

**LUBRICATED CARTRIDGE TAPE**

ORDER #

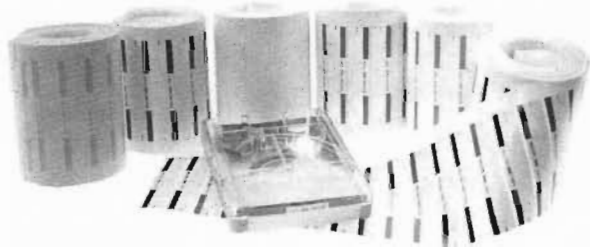
8827	217	¼-2500 HPB	.....	\$14.50
8828	217	¼-2500 7" REEL	....	\$15.00



STANDARD ¼-2100-7" Reel ORDER #1160 ... \$ 8.60  
STANDARD ¼-4200-HPB ORDER #1161 ... \$17.20

**CAPITAL HOLN  
LUBRICATED TAPE  
AVAILABLE**

HOT TAPE ¼-2100-7" Reel ORDER #1159 ... \$12.40  
HOT TAPE ¼-4200-HPB ORDER #1157 ... \$24.80



## CARTRIDGE PROGRAM LABELS

END LABEL AGGRAVATION! Removable — Leaves Cart Clean  
ORDER COLORS BY #

QUANTITY	RED	WHITE	BLUE	GREEN	YELLOW	BLACK	PRICE
CL-100 Pkg. 100	#6230	#6220	#6210	#6215	#6225	#6205	\$ 3.50
CL-1000 Pkg. 1000	#6235	#6240	#6245	#6250	#6255	#6260	\$16.70

## CARTRIDGE MODULE WALL MOUNT



## SOUNDSTACKER SYSTEM II

ORDER #6282 ... \$95.25

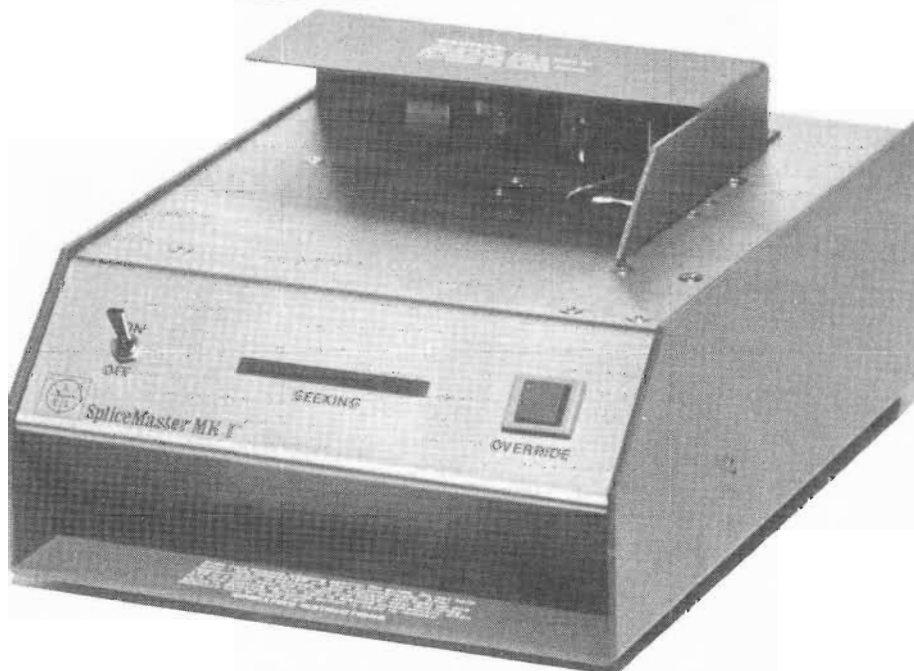
**HOLDS 10 CARTS**

## SPLICE MASTER MKI™

FULLY AUTOMATIC SPLICE FINDER  
LATEST ELECTRONIC TECHNOLOGY  
FEATURES:

- Uses latest technology fibre optics sensing developed by L.E.L.
- Fully automatic, just slide cart into place—automatically ejects cart when splice is detected.
- High sensitivity control for carts with very light splices.
- Full thickness pressure roller—no tape creasing.
- Combination pilot light & LED seeking bar meter displays action of sensor.
- Override switch to stop action for defective cart.
- High Speed — approx. 25" per/sec.
- Will handle all carts from A to C size.
- Indestructible brushed stainless steel body with attractive dark blue housing.
- Technicians' dream! Easily serviced—just remove bottom cover & electronics can be tested & serviced without removal from unit
- One year unconditional warranty, satisfaction guaranteed.
- Service & Parts Manual, completely illustrated.

ORDER #6545 ... \$395.00



# NEW CARTRIDGES

**ORDER NOW**

TIMES MAY BE MIXED FOR 100 PRICE

TIME DELAY  
CARTRIDGES  
Fidelipac 7 Sec. or  
10 Sec. . . . \$6.25



## FIDELIPAC NAB CARTRIDGES

### NAB 600

ORDER #	TIME 7.5 IPS	BROADCAST NET	
		(1-99)	(100+)
6c-E	EMPTY	6.86	5.80
6c-15	15 Min.	12.69	10.42
6c-16	16 Min.	13.13	10.76

### NAB 1200

ORDER #	TIME 7.5 IPS	BROADCAST NET	
		(1-49)	(50+)
12c-E	EMPTY	9.21	7.98
12c-30	30 Min.	20.31	16.57
12c-32	32 Min.	21.17	17.43
12c-35	35 Min.	22.06	18.32
12c-40	40 Min.	23.71	20.22

### NAB 300

ORDER #	TIME 7.5 IPS	BROADCAST NET	
		(1-99)	(100+)
3c-E	Empty	3.56	3.03
3c-10S	10 Sec.	4.03	3.34
3c-20	20 Sec.	4.05	3.36
3c-40	40 Sec.	4.17	3.44
3c-70	70 Sec.	4.24	3.51
3c-90	90 Sec.	4.33	3.57
3c-100	100 Sec.	4.40	3.65
3c-2	2 Min.	4.48	3.71
3c-2.5	2½ Min.	4.56	3.79
3c-3	3 Min.	4.67	3.86
3c-3.5	3½ Min.	4.79	3.96
3c-4	4 Min.	4.87	4.03
3c-4.5	4½ Min.	5.00	4.14
3c-5	5 Min.	5.11	4.21
3c-5.5	5½ Min.	5.21	4.27
3c-6	6 Min.	5.27	4.38
3c-6.5	6½ Min.	5.36	4.44
3c-7	7 Min.	5.49	4.56
3c-7.5	7½ Min.	5.56	4.64
3c-8	8 Min.	5.65	4.70
3c-8.5	8½ Min.	5.72	4.74
3c-9	9 Min.	5.80	4.79
3c-9.5	9½ Min.	5.95	4.94
3c-10M	10 Min.	6.03	5.05
3c-10.5	10½ Min.	6.12	5.09

## FIDELIPAC MASTER I & II CARTS

ORDER #	TIME 7.5 IPS	BROADCAST NET	
		(1-99)	(100+)
3MC-E	EMPTY	4.28	3.75
3MC 10S	10 Sec.	5.03	4.06
3MC 20	20 Sec.	4.77	4.08
3MC 40	40 Sec.	4.89	4.16
3MC 70	70 Sec.	4.96	4.23
3MC 90	90 Sec.	5.05	4.29
3MC 100	100 Sec.	5.12	4.37
3MC 2	2 Min.	5.20	4.43
3MC 2.5	2½ Min.	5.28	4.51
3MC 3	3 Min.	5.39	4.58
3MC 3.5	3½ Min.	5.51	4.68
3MC 4	4 Min.	5.59	4.75
3MC 4.5	4½ Min.	5.72	4.86
3MC 5	5 Min.	5.83	4.93
3MC 5.5	5½ Min.	5.93	5.05
3MC 6	6 Min.	6.00	5.10
3MC 6.5	6½ Min.	6.08	5.16
3MC 7	7 Min.	6.21	5.28
3MC 7.5	7½ Min.	6.28	5.36
3MC 8	8 Min.	6.37	5.42
3MC 8.5	8½ Min.	6.44	5.46
3MC 9	9 Min.	6.52	5.51
3MC 9.5	9½ Min.	6.67	5.66
3MC 10M	10 Min.	6.75	5.77
3MC 10.5	10½ Min.	6.84	5.81

## AUDIOPAK

### A-2 CARTRIDGES

ORDER #	TIME 7.5 IPS	BROADCAST NET	
		(1-99)	(100+)
AC E	EMPTY	3.19	2.66
AC 10S	10 Sec.	3.66	2.97
AC 20	20 Sec.	3.68	2.99
AC 40	40 Sec.	3.80	3.07
AC 70	70 Sec.	3.87	3.14
AC 90	90 Sec.	3.96	3.20
AC 100	100 Sec.	4.03	3.28
AC 2	2 Min.	4.11	3.34
AC 2.5	2½ Min.	4.19	3.42
AC 3	3 Min.	4.30	3.49
AC 3.5	3½ Min.	4.42	3.59
AC 4	4 Min.	4.50	3.66
AC 4.5	4½ Min.	4.63	3.77
AC 5	5 Min.	4.74	3.84
AC 5.5	5½ Min.	4.84	3.96
AC 6	6 Min.	4.91	4.01
AC 6.5	6½ Min.	4.99	4.07
AC 7	7 Min.	5.12	4.19
AC 7.5	7½ Min.	5.19	4.27
AC 8	8 Min.	5.28	4.33
AC 8.5	8½ Min.	5.35	4.37
AC 9	9 Min.	5.43	4.42
AC 9.5	9½ Min.	5.58	4.57
AC 10M	10 Min.	5.66	4.68
AC 10.5	10½ Min.	5.75	4.72

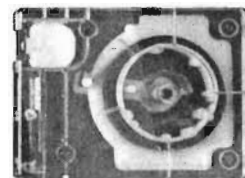


TIME DELAY  
CARTRIDGES  
Audiopak 7 Sec. or  
10 Sec. . . . \$5.95

AA3 & AA4  
CARTRIDGES  
AVAILABLE  
Call for Quantity  
and Price.

## SCOTCH CARTRIDGES

It's what's  
inside the  
cart  
that counts.



ORDER #	TIME 7.5 IPS	BROADCAST NET
8812	10 Sec.	4.45
8813	20 Sec.	4.50
8814	40 Sec.	4.55
8815	70 Sec.	4.60
8816	100 Sec.	4.65
8817	140 Sec.	4.95
8818	2½ Min.	5.10
8819	3 Min.	5.15
8820	3½ Min.	5.20
8821	4 Min.	5.25
8822	4½ Min.	5.30
8823	5½ Min.	5.35
8824	7½ Min.	6.40
8825	9½ Min.	6.45

MULTIPLES OF 10 PER LENGTH

# HOT TAPE

LESS TAPE HISS • HIGHER OUTPUT • BETTER FREQUENCY RESPONSE  
ADD 10% FOR NEW CARTRIDGES • ADD 15% FOR RELOADED CARTRIDGES

# BROADCAST CARTRIDGE REBUILDING & RELOADING

WHEN L.E.L. RECEIVES YOUR CARTRIDGES THEY ARE AUTOMATICALLY PUT ON LINE FOR PROCESSING AND ASSIGNED TO OUR EXPERIENCED PERSONNEL WHO WILL PERSONALLY OVERSEE THE REBUILDING OF YOUR CARTS.

THEY ARE THEN CLEANED BY L.E.L.'S SPECIAL PROCESS THAT HAS BEEN DEVELOPED OVER THE PAST 19 YEARS. WE INDIVIDUALLY REWIND, ASSEMBLE, TEST, AND DATE EACH CART.

L.E.L. REWOUND CARTS COME BACK TO YOU READY FOR YOU TO PUT BACK INTO SERVICE.

- **Cleaned**
- **Inspected**
- **Tested**
- **Dated**

ORDER #	TIME 7.5 IPS	BROADCAST NET	
		(1-99)	(100 +)
reload	10 SEC.	1.18	1.14
reload	20 SEC.	1.19	1.15
reload	40 SEC.	1.25	1.19
reload	70 SEC.	1.31	1.27
reload	90 SEC.	1.38	1.32
reload	100 SEC.	1.42	1.38
reload	2 MIN.	1.53	1.46
reload	2½ MIN.	1.61	1.51
reload	3 MIN.	1.70	1.59
reload	3½ MIN.	1.79	1.68
reload	4 MIN.	1.88	1.74
reload	4½ MIN.	1.97	1.81
reload	5 MIN.	2.03	1.87
reload	5½ MIN.	2.10	1.94
reload	6 MIN.	2.17	2.00
reload	6½ MIN.	2.24	2.06
reload	7 MIN.	2.31	2.12
reload	7½ MIN.	2.46	2.26
reload	8 MIN.	2.57	2.39
reload	8½ MIN.	2.67	2.49
reload	9 MIN.	2.78	2.60
reload	9½ MIN.	2.85	2.67
reload	10 MIN.	2.98	2.77
reload	10½ MIN.	3.05	2.80
reload	15 MIN.	4.22	3.82
reload	16 MIN.	4.45	3.95
reload	30 MIN.	6.67	6.17
reload	32 MIN.	6.83	6.29
reload	35 MIN.	7.03	6.49
reload	40 MIN.	7.23	6.69

## "COMMON PARTS"

CP-1 ★	TOP SCREW (CENTER)	\$ .10
CP-2 ★	TEFLON WASHER (CENTER)	.15
CP-3 ★	BRASS WASHER (NAB-600 & 1200)	.15
CP-4	FOAM/TEFLON PRESSURE PAD	.50
CP-5	LEAD INSERT (HUB NAB-300 & 600)	.10
CP-6	LEAD INSERT (HUB NAB-1200)	.15
CP-7	A-2 PRESSURE PAD	.25
3A-1	TOP COVER (CLEAR)	1.19
3A-2	REEL ASSEMBLY (HUB)	1.20
3A-3	BASE ASSEMBLY	1.46
3A-4 ★	CORNER POST (DELTRIN)	.25
3A-5 ★	GUIDE WIRE (PIN ROD)	.19

## NAB-600 PARTS

6B-1	TOP COVER (CLEAR)	\$2.39
6B-2	REEL ASSEMBLY (HUB)	2.08
6B-3	BASE ASSEMBLY	2.58
6B-4 ★	CORNER POST (DELTRIN)	.29
6B-5	GUIDE WIRE (PIN ROD)	.38

## NAB-1200 PARTS

12C-1	TOP COVER (CLEAR)	\$4.14
12C-2	REEL ASSEMBLY (HUB)	3.35
12C-3	BASE ASSEMBLY	4.14
12C-4	GUIDE WIRE (specify STRAIGHT or V)	.29
12C-5 ★	CORNER SCREW	.19

★ NO CHARGE ITEMS ON L.E.L. CARTRIDGE REBUILDING



"YES — WE RELOAD A-3"

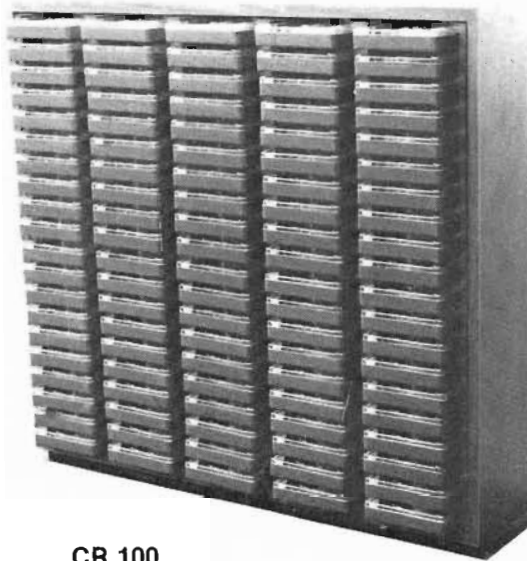


# HOT TAPE

LESS TAPE HISS • HIGHER OUTPUT • BETTER FREQUENCY RESPONSE  
ADD 10% FOR NEW CARTRIDGES • ADD 15% FOR RELOADED CARTRIDGES

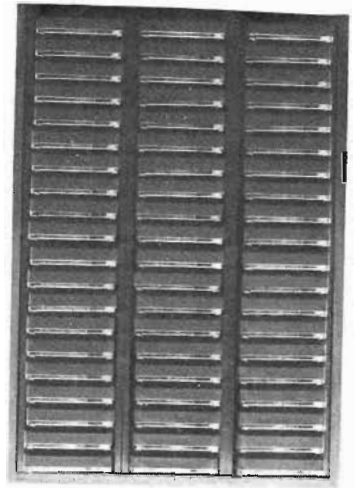
# CARTRIDGE RACKS

*More Than A Beautiful Piece of Furniture!*



*Economically  
Store and Protect  
Cartridges*

**BLACK WALNUT  
FORMICA**  
*RUGGED MOULDED  
PLASTIC DIVIDERS*



**CR 100**  
Holds 100 Carts  
ORDER #6280 . . . \$95.00

**CR 100**  
Width: 24-7/8"  
Height: 21-3/4"  
Depth: 4-3/4"  
Weight: 23 lbs.  
Shipping: 25 lbs.

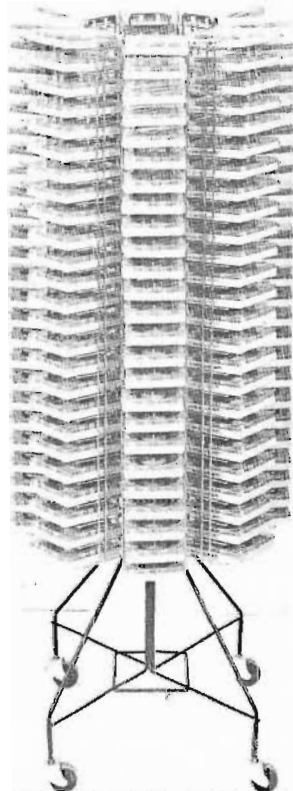
**CR 60**  
Width: 15-3/8"  
Height: 21-3/4"  
Depth: 4-3/4"  
Weight: 16 lbs.  
Shipping: 18 lbs.

**CR 60**  
Holds 60 Carts  
ORDER #6291 . . . \$61.20

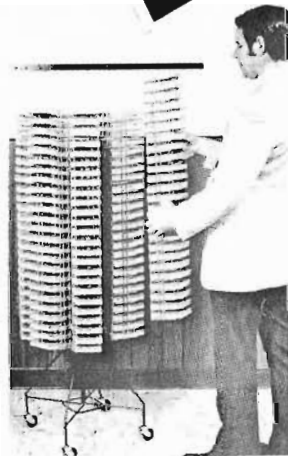
## CARTRIDGE STORAGE

Wall-Mount or Mobile Racks

*Featuring the . . . WR-25 MODULE*



**MR-20 MOBILE CARTRIDGE RACK**  
HOLDS 200 CARTS  
ORDER #7340 . . . \$280.00



**TABLE TOP CARTRIDGE RACK REVOLVING PORTABLE**  
Storage for 96 cartridges. Eight individual, removable racks, each holds 12 cartridges. Outside diameter when loaded - 20 inches; 20 inches high. Individual racks are chrome plated, welded steel. Base is black japanned steel.



**TR-96  
CARTRIDGE RACK**  
ORDER #7335  
\$139.00

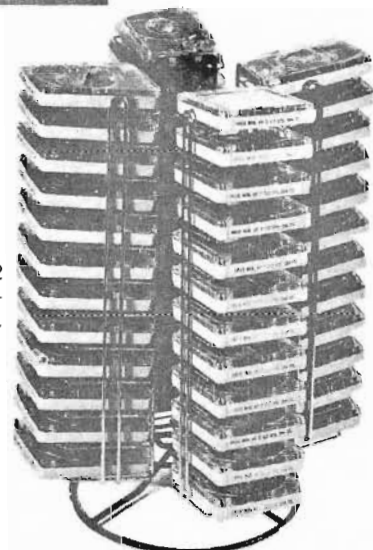
Storage for 48 cartridges. Four individual, removable racks, each holds 12 cartridges. Outside diameter when loaded - 15 inches; 20 inches high. Individual racks are chrome plated, welded steel. Base is black japanned steel.

**TR-48 CARTRIDGE RACK**

**WR-25  
MOUNTING  
BRACKET**  
ORDER #7346 . . . \$1.80



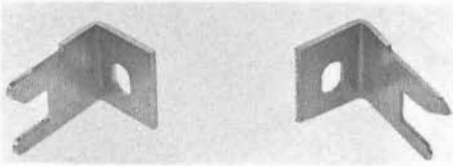
**WR-25 MODULE**  
Welded Steel  
Chrome Plated  
ORDER #7345  
\$28.00



ORDER #7330 . . . \$80.50

# VIKING DECK PARTS

## TAPE GUIDES



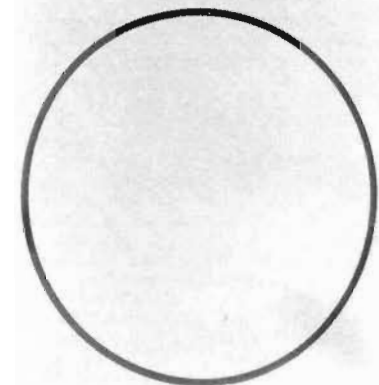
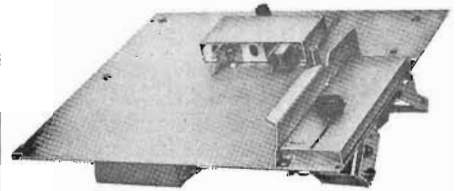
LEFT SIDE  
ORDER #9590  
\$2.20

RIGHT SIDE  
ORDER #9595  
\$2.20

## ENGAGING KNOB

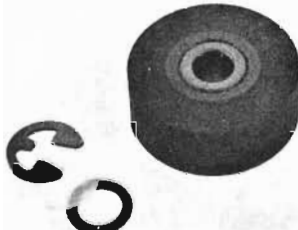


ORDER #9615  
\$1.75



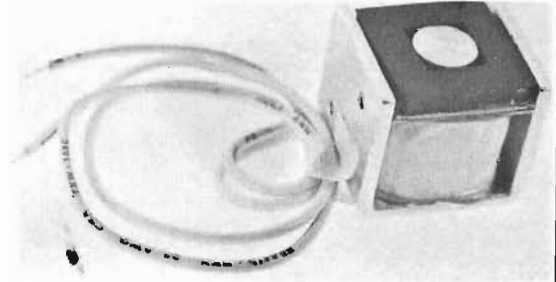
DRIVE BELT ORDER #9585... \$4.75

## STANDARD NAB PRESSURE ROLLER



HEAVY DUTY Fits all cart machines.  
ORDER #9580... \$7.95

## ELECTROMAGNET For Capstan Swing Arm



ORDER #9605... \$25.00

## SWING ARM LINKAGE

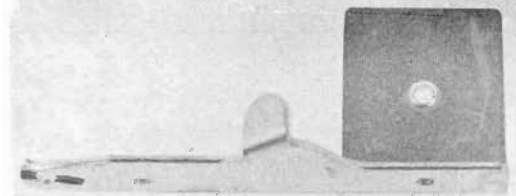


ORDER #9570... \$2.00

## SWING ARM SPRING



SOLVE MANY CAPSTAN  
ENGAGEMENT PROBLEMS!  
ORDER #9610... \$1.75



SWING ARM ORDER #9620... \$2.60

## SYNC. MOTOR



Long Life—Heavy Duty ORDER #9630... \$110.00

CALL US  
FOR ANY

TELEX  
MAGNECORD  
VIKING  
PARTS

MOTOR START  
CAPACITOR

ORDER #9627  
\$20.00

## FOUR POLE REPLACEMENT MOTOR



ORDER #9625... \$65.00

# BROADCAST TURNTABLES

## Technics



### SL-1200MK2

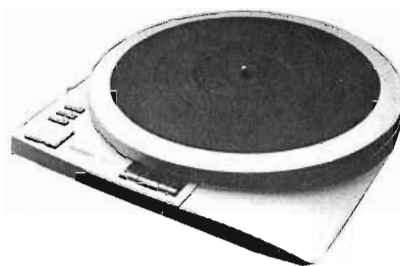
#### Quartz Synthesizer Direct Drive Turntable

##### Technical Specifications

##### TURNTABLE SECTION

Type	Quartz Synthesizer Direct Drive Manual Turntable
Motor	Ultra-low-speed brushless DC motor
Turntable platter	Aluminum diecast, diameter 13-5/64" (33.2 cm) weight 4.4 lb (2 kg) (including rubber matting)
Turntable speeds	33 1/3 and 45 rpm
Pitch controls	All quartz-locked control within ± 8% range
Starting torque	1.3 lb-in (1.5 kg-cm)
Start-up time	0.7 sec (90° rotation) to 33 1/3 rpm
Braking system	electronic brake
Wow and flutter	0.01% WRMS* 0.025% (JIS C5521)
Rumble	± 0.035% peak (IEC 98A weighted) - 56 dB DIN A (IEC 98A unweighted) - 78 dB DIN B (IEC 98A weighted)

ORDER #3818 . . . \$345.00



### SP-15

#### Quartz Synthesizer Direct Drive Turntable

##### Technical Specifications

##### TURNTABLE SECTION

Type	Quartz Synthesizer Direct Drive
Motor	Ultra-low-noise brushless, heteropole DC motor
Control method	Quartz-phase-locked control
Turntable platter	Aluminum diecast, diameter 13-11/32" (33.9 cm), weight 5.9 lb (2.7 kg), (including rubber matting), moment of inertia 130 lb-in <sup>2</sup> (380 kg-cm <sup>2</sup> ), (including rubber matting)
Speeds	33 1/3, 45, 78.26 rpm
Speed adjustment range	± 9.9% in 0.1% steps (digital read-out)
Starting torque	2.61 lb-in (3 kg-cm)
Start-up time	0.4 sec (to 33 1/3 rpm from standstill)
Braking time	0.4 sec (at 33 1/3 rpm)
Braking system	Combination of electronic and mechanical brakes
Speed fluctuation due to load torque	0% within 2.2 lb-in (2.5 kg-cm) load torque (up to 500 g tracking force)
Wow and flutter	0.008% WRMS* 0.025% (JIS C5521)
Rumble	± 0.035% peak (IEC 98A weighted) - 56 dB DIN A (IEC 98A unweighted) - 78 dB DIN B (IEC 98A weighted)

ORDER #3812 . . . \$575.00 (Optional Base Available)



### SP-25

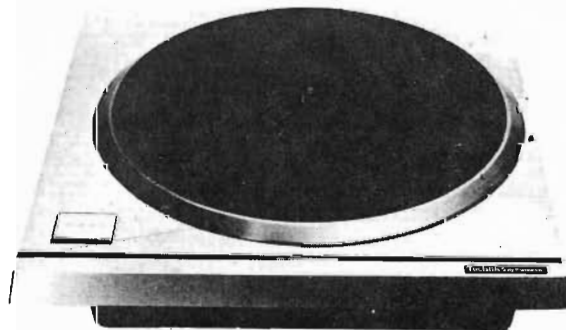
#### Quartz Synthesizer Direct Drive Turntable

##### Technical Specifications

##### TURNTABLE SECTION

Type	Quartz Synthesizer Direct Drive
Motor	Ultra-low-speed brushless, DC motor
Pitch control	All quartz-locked control within ± 6%
Turntable platter	Aluminum diecast, diameter 13-11/32" (33.9 cm) weight 4.4 lb (2 kg) (including rubber matting)
Speeds	33 1/3, 45 rpm
Starting torque	1.3 lb-in (1.5 kg-cm)
Start-up time	0.7 sec (to 33 1/3 rpm from standstill)
Braking system	electronic brake
Speed fluctuation due to load torque	0% within 0.87 lb-in (1.0 kg-cm)
Wow and flutter	0.01% WRMS* 0.025% (JIS C5521)
Rumble	± 0.035% peak (IEC 98A weighted) - 56 dB DIN A (IEC 98A unweighted) - 78 dB DIN B (IEC 98A weighted)

ORDER #3813 . . . \$345.00 (Optional Base Available)



### SP-10MK II

#### Quartz-Controlled Direct-Drive Turntable

##### Technical Specifications

##### TURNTABLE SECTION

Type	Direct-drive turntable
Motor	Brushless DC motor, electronic rectification, quartz-controlled phase-locked servo circuit
Turntable platter	Aluminum diecast, diameter 12 19/32" (32 cm), weight 6.4 lbs. (2.9 kg), moment of inertia 130 lbs. in <sup>2</sup> (380 kg-cm <sup>2</sup> )
Turntable speeds	33 1/3, 45 and 78.26 rpm
Starting torque	5.2 lbs. in (6 kg-cm)
Build-up time	0.25 sec (= 25° rotation) to 33 1/3 rpm
Braking time	0.3 sec (= 30° rotation) from 33 1/3 rpm to standstill
Speed fluctuation by load changes	0% within 4.3 lbs. in (5 kg-cm)
Speed drift	Within ± 0.002%
Wow and flutter	0.025% WRMS (JIS C5521) ± 0.035%
Rumble	zero-to-peak (DIN 45507) - 50 dB (DIN 45539A) - 70 dB (DIN 45539B)

ORDER #3800 . . . \$950.00



# BROADCAST TURNTABLES



## BE/QRK 12C TURNTABLE

INSTANT START

ORDER #3910 . . . \$425.00

TONARM NOT INCLUDED.



## *Russco* STUDIO-PRO

CUSTOM MODEL

THE ULTIMATE IN  
2 SPEED PRECISION ENGINEERING!

ORDER #8525 . . . \$479.00

## *Russco*

### CUE-MASTER

A NEW STANDARD IN  
DEPENDABLE 3 SPEED PERFORMANCE!

ORDER #8570 . . . \$425.00



## DEPENDABILITY & PERFORMANCE

## TURNTABLE INSULATOR MAT

For All Turntables

- Reduces severe external vibrations caused by room traffic, dancing, speaker activity, eliminating tonearm movement.
- Can be used as sold for standard turntables with bases.
- Also can be cut down for QRK & Russco turntables that are mounted in tables.

SIZE — 14-5/16" × 18-5/16"

ORDER #6012 . . . \$20.00

WE GIVE QUOTES  
FREE

Call or Mail In.

1-800-327-3793

FLA. 1-800-432-1258

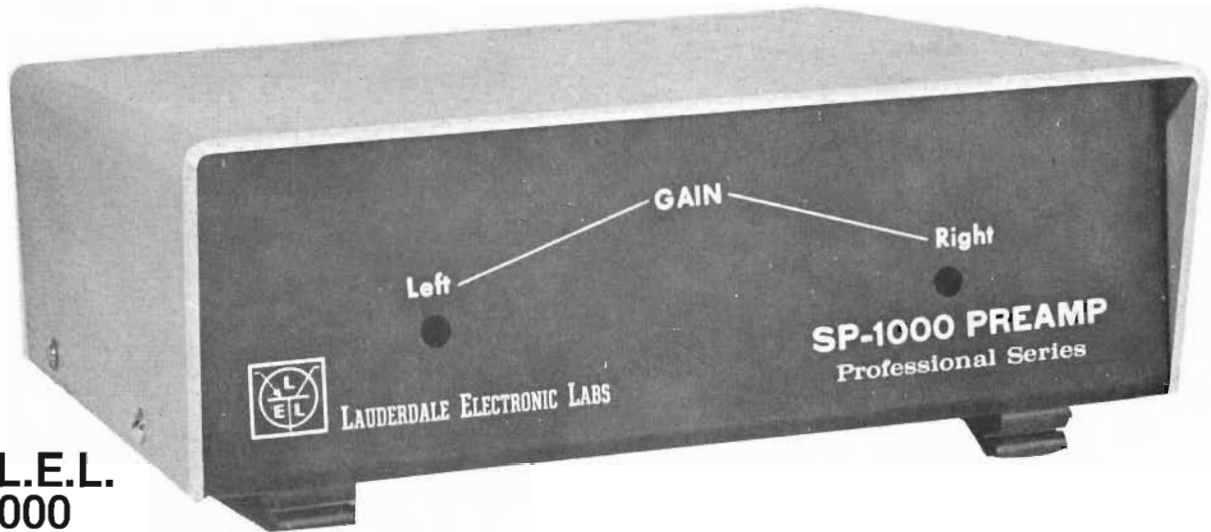


LAUDERDALE ELECTRONIC LABS

16 S.W. 13th St., Fort Lauderdale, FL 33315

# TURNTABLE PREAMPS

The SP-1000 is a stereo or dual mono turntable preamp.



## The L.E.L. SP-1000 features:

- Most advanced circuit technology available (highest quality reproduction).
- Extremely heavy duty aluminum chassis (protection in high RF fields).
- First grade components and potentiometers (virtually eliminates annoying dead spots).
- Tamper-proof screw driver controls (just set and forget).
- Non-corroding input and output terminals (greatly reduces chance of poor connections).

### NEW IMPROVED —

- Now using Signetics N E 5532 hi slew rate low noise op-amps.
- Now using dual electronic regulated power supply.
- Now have provision for installation of L.E.L. T 600/600 output transformer for those who need transformer output rather than electronic balanced output.

## PROFESSIONAL SERIES SP-1000

ORDER #6558 . . . \$199.00

### ACCESSORIES

RMA-19 Standard Rack Mount Adapter

ORDER #6522 . . . \$10.00

## Stanton Model 310 Professional Phono Preamp/Equalizer



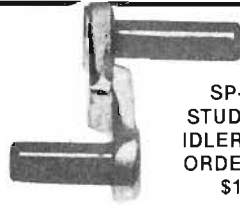
ORDER #9200 . . . \$210.00

The Stanton 310 Preamp features universal mounting by special brackets, instant selection of flat or NAB post-emphasis curves, switchable effective rumble filter, individual adjustment of gains and high frequency responses, trimming of the capacitive cartridge loading at the input, provision for setting the power transformer for either 117 or 230V operation at 50 or 60 Hz and immunity to external magnetic AC fields.

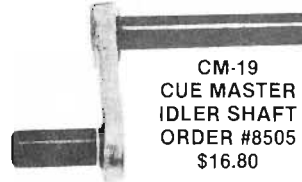
# TURNTABLE ACCESSORIES



#128-10  
QRK IDLER SHAFT  
ORDER #3930  
\$27.00



SP-16B  
STUDIO-PRO  
IDLER SHAFT  
ORDER #8535  
\$17.55



CM-19  
CUE MASTER  
IDLER SHAFT  
ORDER #8505  
\$16.80

PR-303  
IDLER WHEEL & PRESSURE  
ROLLER RESTORER 14 oz.



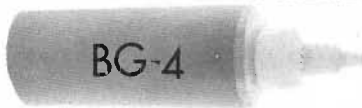
Restores new life and  
shape to idler wheels run-  
ning under constant pres-  
sure.  
ORDER #6450 . . . \$9.95

TO-4 TURNTABLE OIL



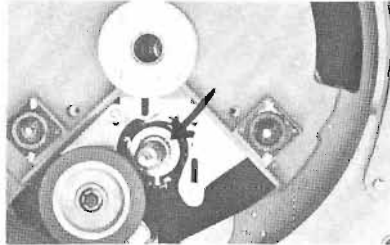
Provides excellent lubricity,  
reduces friction and wear on tur-  
n-able shafts as recommended by  
most professional turntable manu-  
facturers. Convenient 4 oz. squeeze  
bottle. ORDER #6635 . . . \$3.40

BG-4 BRONZE BEARING GREASE



Designed for application to car-  
tridge pinch roller bearings and  
turntable idler wheel bearings. Pre-  
vents wear and corrosion. Easy to  
use squeeze bottle with pointed ap-  
plicator tip. ORDER #6040 . . . \$3.75

SP-22 STUDIO-PRO CAPSTAN  
ORDER #8550 . . . \$16.00



CM-21 CUE-MASTER CAPSTAN  
ORDER #8572 . . . \$18.00



STUDIO-PRO  
MOTOR with  
CAPSTAN  
MOUNTED  
ORDER #8555  
\$110.00

CUE-MASTER  
MOTOR with  
CAPSTAN  
MOUNTED  
ORDER #8515  
\$117.00

MSC-1 CAPACITOR



ORDER #8520 . . . \$5.60

## TURNTABLES AND TONE ARMS

*See Page 21*



RUSSCO IDLER WHEEL  
ORDER #8530 . . . \$18.50



QRK IDLER WHEEL  
ORDER #3925 . . . \$30.60

TL-1 TURNTABLE LEVEL



ORDER #1555  
\$4.95

TI-4  
TURNTABLE  
INSULATORS



Set of 4  
ORDER #1550  
\$27.50

Adjustable shock absorbers designed to prevent  
vibrations from reaching turntable.

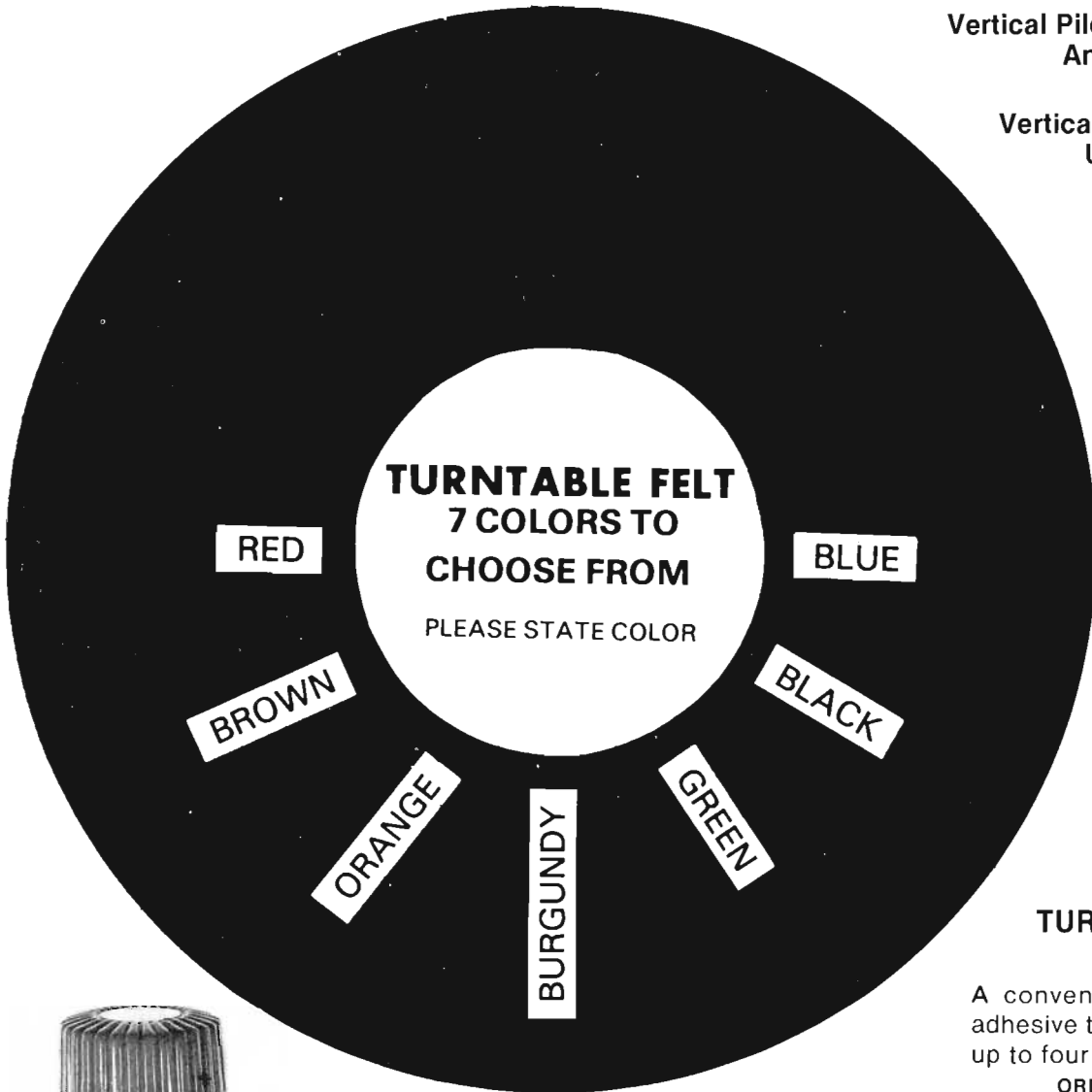
NS-4 BELT CLEANER & GRIP RESTORER



NON-SLIP cleans any dirty residue off old  
belts and leaves a micro-thin coating of resin  
to prevent slippage.

ORDER #6421 . . . \$4.75 Each

# TURNTABLE FELT



Vertical Piled Felts Do Not Shed  
And Are Easily Cleaned  
With A Brush.

Vertical Piled Felts Will Last  
Up To 5 Times Longer  
Than Normal Felts.



## QC-201-A TURNTABLE FELT ADHESIVE

A convenient way of applying  
adhesive to felt. Enough to apply  
up to four felts.

ORDER #6500 . . . \$3.50



- ORDER #6642 Black
- ORDER #6643 Blue
- ORDER #6644 Brown
- ORDER #6645 Burgundy
- ORDER #6646 Green
- ORDER #6647 Orange
- ORDER #6648 Red

ALL COLORS . . . \$6.25 Each

## QC-201-B TURNTABLE FELT REMOVER

Just spray remover to top surface  
of felt, allow 30 seconds to pene-  
trate, and remove old felt.

ORDER #6505 . . . \$3.50

**Reduce Stylus Damage  
with Vertical Piled Felts!**

## 16" TURNTABLE FELT

AVAILABLE  
IN  
BLACK

ORDER #6630 . . . \$7.90 Each

# TONE ARMS & ACCESSORIES

## AUDIO-TECHNICA



AT-1005-11 TONE ARM

ORDER #1565 . . . \$175.00



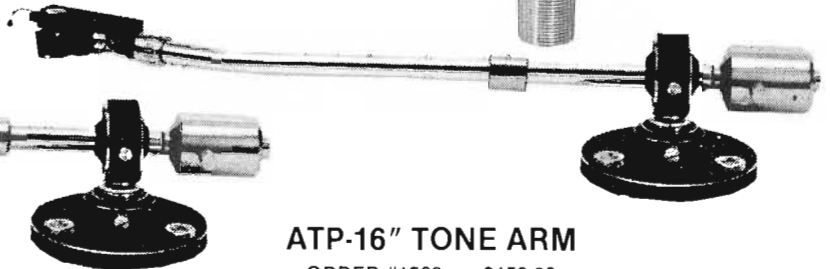
TONE ARM REPLACEMENT SHELL

ORDER #1570 . . . \$12.95



ATP-12" TONE ARM

ORDER #1566 . . . \$175.00



ATP-16" TONE ARM

ORDER #1560 . . . \$150.00

## MICRO-TRAK



TONE ARM REPLACEMENT SHELL

ORDER #3055 — 303 . . . \$23.50

ORDER #3080 — 306 . . . \$23.50



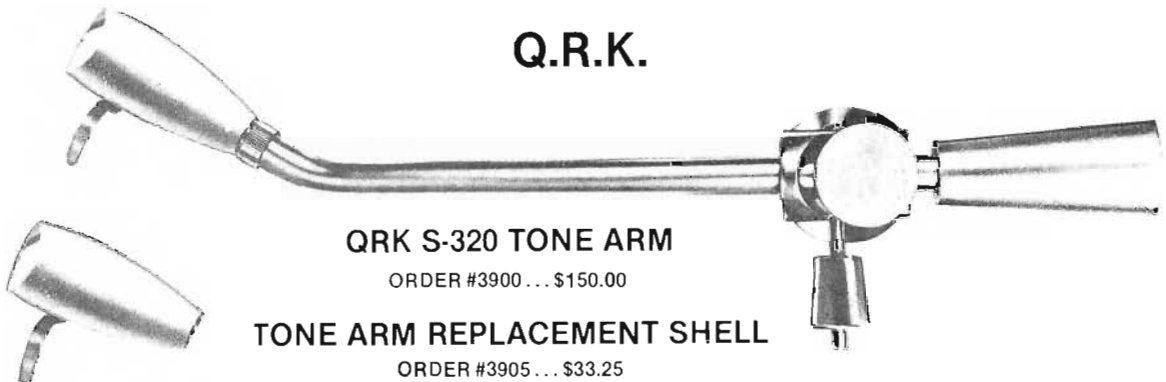
MICRO-TRAK 303 TONE ARM

ORDER #3050 . . . \$129.50

MICRO-TRAK 306 TONE ARM

ORDER #3066 . . . \$144.50

## Q.R.K.



QRK S-320 TONE ARM

ORDER #3900 . . . \$150.00

TONE ARM REPLACEMENT SHELL

ORDER #3905 . . . \$33.25

## RUSSCO



RTA-12 TONE ARM

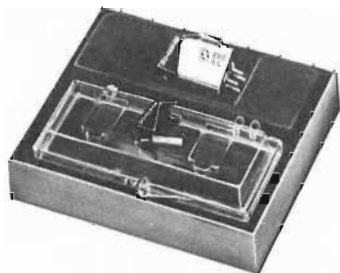
ORDER #8526 . . . \$174.00

**WE HAVE REPLACEMENT PARTS FOR TONE ARMS**

# PHONE CARTRIDGES & STYLI



## Stanton



Order #	Model	Stylus Model	Tracking Force	Professional Net
★	980LZS	D98S	¾ to 1½ grams	150.00
9253	881S	D81S	1 gram ± ¼	110.00
★	880S	D80S	1 gram ± ¼	90.00
9247	681EEE- (S-type)	D6800EEE- (S-type)	1 gram + ½ - ¼	84.00
9245	681EEE	D6800EEE	¾ to 1½ grams	72.00
9240	681EE	D6800EE	¾ to 1½ grams	60.00
9250	681SE	D6800SE	2 to 4 grams	60.00
9235	681A	D6807A	1½ to 3 grams	55.00
9330	680SL	D6800SL	2 to 5 grams	64.00
9225	680EE	D680	¾ to 1½ grams	35.00
9230	680EL	D6800EL	2 to 5 grams	56.00
9220	500EE MK11	D5100EE	1 to 2 grams	21.25
9215	500E MK11	D5100E	2 to 5 grams	18.38
DISC.	500AA	D5105AA	1 to 2½ grams	19.50
9205	500A MK11	D5107A	2 to 5 grams	15.75
9210	500AL	D5107AL	3 to 7 grams	15.75
9223	600EE	D6003EE	1 to 2 grams	29.35
9222	600E	D6004E	1½ to 3 grams	26.55
9221	600A	D6071A	2 to 4 grams	24.20

**SHURE** stereo dynetic® cartridges

### M44 SERIES PHONO CARTRIDGES

#### A Broadcast Standard

M44-7 Cartridge with Styli	ORDER #9060	\$45.00
N44-7 Replacement Styli	ORDER #9120	\$17.00
M44E Cartridge with Styli	ORDER #9055	\$52.00
N44E Replacement Styli	ORDER #9115	\$21.50
M44C Cartridge with Styli	ORDER #9050	\$45.00
N44C Replacement Style	ORDER #9110	\$17.00

#### MODEL SC35C

### PROFESSIONAL STUDIO PHONO CARTRIDGE

SC35C Cartridge with Styli	ORDER #9150	\$40.00
SS35C Replacement Styli	ORDER #9190	\$17.00

★ SPECIAL ORDER ITEMS PICKERING ALSO AVAILABLE.

### 681 CALIBRATION SERIES (with "Longhair" Brush)

9292	D6800EEE- (S-type)	BLACK w/Silver EEE-S	34.50
9290	D6800EEE	BLACK w/Silver EEE	27.00
9285	D6800EE	BLACK w/Silver Elipse	23.40
9300	D6800SE	BLACK w/Red Elipse	23.40
9305	D6807A	BLACK w/Silver Dot	21.40
★	D6810	BLACK w/Green Dot	18.00
9335	D6827	BLACK w/Blue Dot	18.00

### 680 SERIES

9325	D6800SL	WHITE w/Black D6800SL	26.25
9255	D680	BLACK w/Silver D680	18.75
9295	D6800EL	WHITE w/Black D6800EL	20.00
9310	DP6800EL	WHITE w/Black D6800EL	52.00
★	DP6800SL	WHITE w/Black D6800SL	52.50

### 500 BROADCAST STANDARD SERIES

9265	D5100EE	BLACK w/Gold Plug	15.00
9260	D5100E	BLACK w/Red Plug	12.00
9276	D5105AA	BLACK w/Gray Plug	12.00
9270	D5107A	BLACK w/Yellow Plug	9.00
9275	D5107AL	WHITE w/Aqua Plug	9.00
★	D5110	BLACK w/White Plug	11.76
9267	D5127	BLACK w/Blue Plug	11.76

### 600 BROADCAST STANDARD H.P. SERIES

9340	D6003EE	BLACK w/Gold 600EE	16.50
9342	D6004E	BLACK w/Gold 600EE	16.00
9280	D6071A	BLACK w/Gold 600A	16.00
★	D6010	BLACK w/Gold 6010	10.80
★	D6027	BLACK w/Gold 6027	10.80



audio-technica.

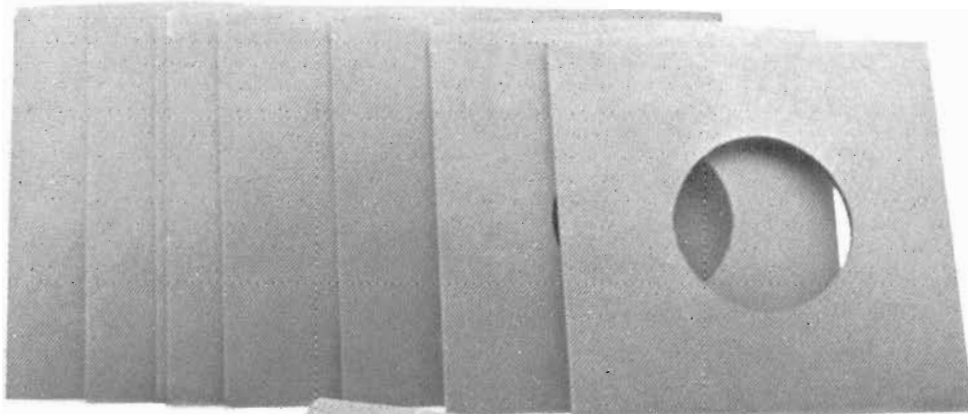
### PHONO CARTRIDGES

ORDER #	MODEL	PRICE
1597	ATP-1	\$34.50
1598	ATP-2	\$45.00
1599	ATP-3	\$60.00

### REPLACEMENT STYLUS

ORDER #	MODEL	PRICE
1601	ATP-N1	\$18.00
1602	ATP-N2	\$27.00
1603	ATP-N3	\$37.50

# TURNTABLE ACCESSORIES



## RECORD SHUCKS for 45 RPM records L.E.L. RS-45

ORDER #3700 GREEN  
ORDER #3701 BLUE  
ORDER #3702 RED  
ORDER #3703 YELLOW  
ORDER #3704 BROWN

\$10.00/Pkg. 100

## TECHNICAL SERIES

CBS Sound Effects Library — Over 90 Separate Effects

PROFESSIONAL  
TEST RECORDS

CBS Sound Effects

ORDER #1858  
\$20.95



ORDER #1840 TEST RECORDS — \$20.00 Each

STR 151 Test Record

ORDER #1857

STR 100 Stereophonic Frequency Test Record

ORDER #1852

STR 112 Square Wave, Tracking and Intermodulation Test Record

ORDER #1845

STR 120 Wide Range Pickup Response Test Record

ORDER #1850

STR 130 RIAA Frequency Response Test Record

ORDER #1855

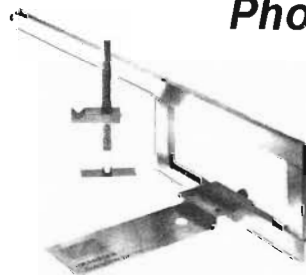
STR 140 RIAA Pink Noise Acoustical Test Record

ORDER #1835

STR 170 318 Microsecond Frequency Response Test Record

ABOVE \$20.00 EACH

## Don't Guess — Align Your Phono Cartridge or Tone Arm Properly



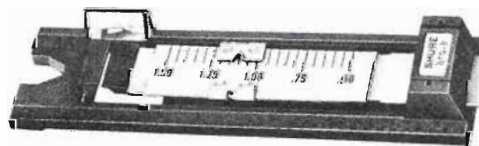
METAL \$100.00

PLASTIC \$35.00

The Dennesen Geometric Soundtracktor has been designed to translate the rather complex mathematics/geometry of proper alignment into a simple, easy to use tool for the consumer and the audio industry. The Geometric Soundtracktor as a necessary adjunct to your system, should be utilized each time a cartridge change is made or tracking force adjusted and periodically thereafter (about once a month, owing to movement of cartridge hardware) to insure optimum performance of your record playback system.

## SHURE SFG-2 STYLUS FORCE GAUGE

Height: 13 mm (½")  
Width: 138 mm (5-7/16")  
Depth: 25 mm (1")  
Weight: 20 grams (0.7 oz.)



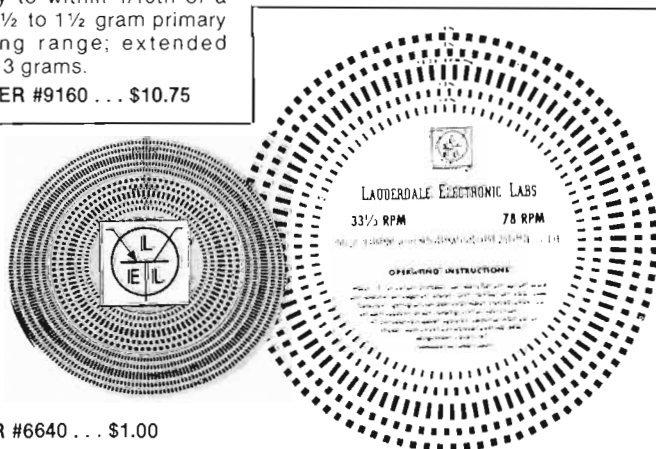
Accuracy to within 1/10th of a gram in ½ to 1½ gram primary operating range; extended range to 3 grams.

ORDER #9160 . . . \$10.75

## PROFESSIONAL TURNTABLE STROBE

Now You Can Adjust Your Turntable ± 2% or ± 4%

ORDER #6640 . . . \$1.00



# RECORD MAINTENANCE

## discwasher® D4™



### RECORD CARE SYSTEM

The D4™ Record Care System is a logical extension of scientific research on safe record cleaning. The high technology D4 fluid lifts and suspends contaminants in solution on the record surface so that the D4 pad can easily and safely remove the debris. D4 fluid cleans without distributing new residues on the record surface and without changing the chemical integrity of your records.

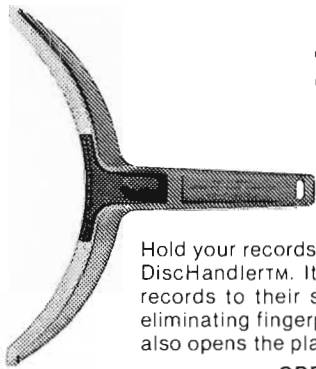
ORDER #1921 . . . \$16.50

## discwasher® SC-2™

### Stylus Care System

The SC-2™ Stylus Care System combines a scientifically safe, high-technology cleaning fluid and a precision nylon fibered brush, designed to safely remove stylus contamination. The SC-2 brush, with an attached magnifying mirror for convenient stylus inspection, is housed in a solid walnut handle.

ORDER #1922 . . . \$8.50



## discwasher® DiscHandler™

### Record Handling Device

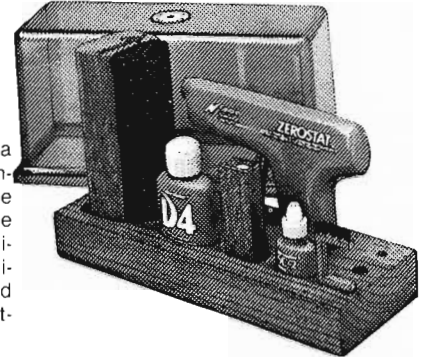
Hold your records with care with the Discwasher® DiscHandler™. It picks up, removes and returns records to their sleeves with incredible security, eliminating fingerprints and hand contamination. It also opens the plastic wrap of new albums.

ORDER #1924 . . . \$9.95

## discwasher® DiscKit™

The Discwasher® DiscKit™ is a total record care package containing the D4™ Record Care System, the SC-2™ Stylus Care System, and the Zerostat® Anti-Static Instrument. All are beautifully housed together in a solid walnut storage tray with dust-cover.

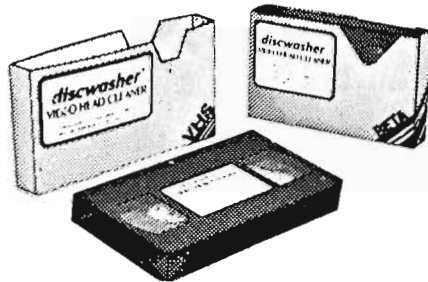
ORDER #1923 . . . \$55.00



## discwasher® VIDEO HEAD CLEANER

Discwasher® Video Head Cleaner is the first truly nonabrasive dry cleaning system for video cassette recorders. Utilizing a high technology filament matrix, you hear it working as it effectively and safely removes dirt and tape oxides from delicate head systems. Available in both VHS and Beta formats.

V.H.S. ORDER #1925 . . . \$19.95  
BETA ORDER #1927 . . . \$19.95



D-4  
FLUID  
16 oz.  
\$17.00

ORDER #1926

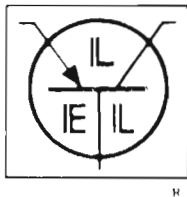


The Discwasher® Perfect Path™ Cassette Head Cleaner is a dry cleaning system designed to remove oxides and residues that can develop along the tape path and on tape heads. Its nonabrasive cleaning fiber is totally safe; it will not scratch tape heads. The Discwasher Perfect Path Cassette Head Cleaner will preserve both the fidelity and longevity of cassette decks in home and car.

ORDER #1920 . . . \$6.95



# RECORD CARE & MAINTENANCE



**LAUDERDALE ELECTRONIC LABS**

16 S.W. 13th Street  
Fort Lauderdale, Florida 33315



PROFESSIONAL SERIES  
L.E.L. RB-16  
Record Bathing Solution  
ORDER #6513 . . . \$9.40

## RB-16

### Record Bathing Solution

**SAFELY WASH OFF GREASE AND GRIME FROM YOUR RECORDS.**

L.E.L. RB-16 Record Bathing Solution is a combination of mild vinyl cleaner and a special wetting agent that reduces the surface tension of water. Permits water to run off record surfaces, preventing water marks and detergent in groove build up. A 16 oz. bottle of solution makes 100 quarts.

## RC-32

### Record Cleaner And De-Ionizer

**FORMULATED FOR USE ON  
WELL MAINTAINED RECORD LIBRARIES**

L.E.L. RC-32 cleans most grime off record surfaces but most important are the anti-static properties. It is especially useful in climates where static electricity is a major problem. RC-32 is an excellent solution to use after washing records or before applying a record preservative.



PROFESSIONAL SERIES  
L.E.L. RC-32  
Record Cleaner and De-Ionizer  
ORDER #6520 . . . \$8.60



**Scientific Methods  
of  
professionally washing, cleaning,  
and preserving records.**



## RP-32

### Record Preservative

**PRESERVES RECORDS INDEFINITELY!**











A stylus with a 3 gram tracking force on your records may actually be producing more than 36,000 pounds per square inch at the stylus surface. Spray on L.E.L. RP-32 to add a 1 micron layer of a dry lubricant. Used in the space program as a means of reducing friction on re-entry vehicles. RP-32 Record Preservative will dramatically slow down the destruction of delicate record grooves — even on the new softer vinyls! A quart of RP-32 will preserve hundreds of records.

PROFESSIONAL SERIES  
L.E.L. RP-32  
Record Preservative  
ORDER #6514 . . . \$17.00

# MICROPHONES & ACCESSORIES



**audio-technica**  
INNOVATION □ PRECISION □ INTEGRITY

ORDER #	A-T MODEL	TYPE & PATTERN	USEFUL INFORMATION	IMPEDANCE	MARKET APPLICATIONS
ORDER #1593 \$104.00	<b>AT801</b> 	ELECTRET CONDENSER  Omnidirectional	40-18,000 Hz — 48 dBm Recessed on/off switch; rising frequency response. Full one-year warranty.	LOW 600 OHMS BALANCED	Professional Recording Semi-professional recording Live entertainment Sound reinforcement
ORDER #1594 \$115.00	<b>AT803S</b> 	SUB-MINIATURE CLIP-ON ELECTRET CONDENSER  Omnidirectional	50-15,000 Hz — 57 dBm Battery & recessed on/off switch on professional belt clip. Full one-year warranty.	LOW 600 OHMS BALANCED	Radio-TV Film Live entertainment Sound reinforcement
ORDER #1595 \$120.00	<b>AT812</b> 	MOVING COIL DYNAMIC  Unidirectional (Cardioid)	50-18,000 Hz — 60 dBm Recessed on/off switch; outstanding feedback control; excellent for close-up use. Full one-year warranty.	LOW 600 OHMS BALANCED	Radio-TV Professional recording Semi-professional recording Live entertainment Sound reinforcement
ORDER #1596 \$130.00	<b>AT813</b> 	ELECTRET CONDENSER  Unidirectional (Cardioid)	20-20,000 Hz — 55 dBm Recessed on/off switch; superior feedback control; exceptional vocal microphone. Full one-year warranty.	LOW 600 OHMS BALANCED	Radio-TV Professional recording Semi-professional recording Live entertainment Sound reinforcement
ORDER #1604 \$57.00	<b>AT805S</b> 	MINI-TURE CLIP-ON ELECTRET CONDENSER  Omnidirectional	50-15,000 Hz — 57 dBm Unique built-in switch resists accidental turn on off; belt clip. Full one-year warranty	LOW 600 OHMS UNBALANCED	Semi-professional recording Sound reinforcement

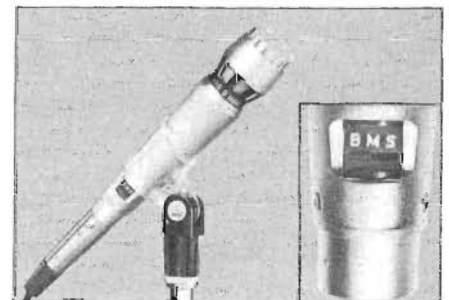
## CARDIOID DYNAMIC

**THE DO ANYTHING MIKE!**  
Rugged • Dependable • Variable  
Frequency Response Switch



- 30 - 15,000 Hz
- 1.6 mV/Pa-76 dBV\*
- 280 ohms
- 130 dB
- Excellent choice for general purpose public address. Also recording live instruments or general semi-professional use. Smooth response plus slight mid-frequency rise for natural sound.

**D-190E**  
ORDER #1020 . . . \$115.00



**AKG D-1200E**  
ORDER #1025 . . . \$135.00

# MICROPHONES & ACCESSORIES

**Beyer**  
Dynamic inc.



**MCE 5**  
**\$159.95**

With a diameter of only 7mm and a total length of only 23mm, this tie-clasp lavalier is presently one of the world's smallest clip-on electret condenser microphones for broadcast use. Will meet the demand of TV and motion picture producers for a microphone that will go unnoticed "on camera."

**M-69**  
**\$159.95**

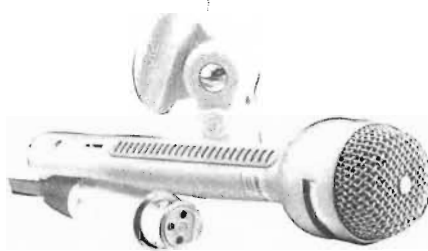


- True Hypercardioid Characteristic
- Extended Frequency Response
- No Susceptible "Venting" on Shaft



**M-260**  
**\$194.95**

- Unique Ribbon Microphone for Highest Quality Requirements
- True Hypercardioid Pickup Pattern
- Highly Sensitive
- Excellent Anti-feedback Characteristic Over the Whole Frequency Range



**Frequency Response:** 80-15,000 Hz  
**Impedance:** 150 ohms  
**Output:** - 56 dB  
**Diaphragm:** EV Acoustalloy®  
**Case:** Steel  
**Finish:** Fawn beige micomatte  
**Size:** 167mm (6-9/16") long  
35mm (1-3/8") diameter  
19mm (3/4") shank diameter  
**Weight:** 170 grams (6 oz.)  
**Cable:** 4.6m (15') Switchcraft A3F conn.  
**Included:** 310A clamp, metal carrying case

**RE15**  
**ORDER #2121**  
**\$267.00**



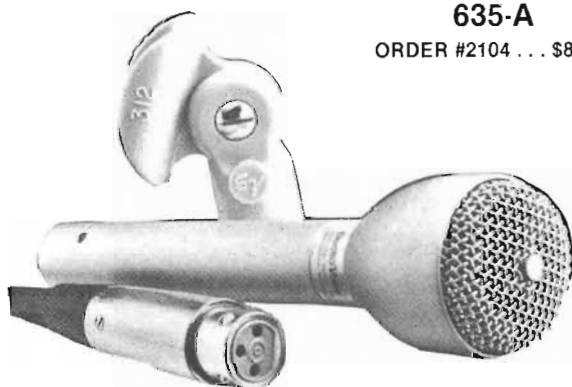
**INTRODUCING THE  
STANDARD SETTING  
RE34**

*The Microphone That Does  
Everything But Speak For Itself*  
**\$360.00**



**DO56**  
**\$112.50**

**Frequency Response:** 80-18,000 Hz  
**Impedance:** 150 ohms  
**Output:** - 61 dB  
**Diaphragm:** EV Acoustalloy®  
**Case:** Steel and aluminum  
**Finish:** Silver tone beige  
**Size:** 159mm (6-1/4") long  
37mm (1-15/32") max. diameter  
19mm (3/4") shank diameter  
**Weight:** 185 grams (6.5 oz.)  
**Cable:** 4.6m (15') Switchcraft A3F conn.  
**Included:** 312B stand adapter, protective vinyl carrying pouch



**635-A**  
**ORDER #2104 . . . \$89.10**

**Frequency Response:** 80-13,000 Hz  
**Impedance:** 150 ohms  
**Output:** - 55 dB  
**Diaphragm:** EV Acoustalloy®  
**Case:** Steel  
**Finish:** Fawn beige micomatte

**Size:** 151mm (5-15/16") long  
36mm (1-13/32") diameter  
**Weight:** 170 grams (6 oz.)  
**Cable:** 4.6m (15') Switchcraft A3F conn.  
**Included:** 312A clamp

**Frequency Response:** 45-18,000 Hz  
**Impedance:** 150 ohms (changeable to 50 or 250 ohms)  
**Output:** - 57 dB  
**Diaphragm:** EV Acoustalloy®  
**Case:** Steel  
**Finish:** Fawn beige micomatte  
**Size:**  
Length - 216.7mm (8-17/32")  
Max. Diameter - 54.4mm (2-9/64")  
Body Diameter - 49.2mm (1-15/16")  
**Weight:** 737 grams (1 lb., 10 oz.)  
**Cable:** 4.6m (15') Switchcraft A3F conn.



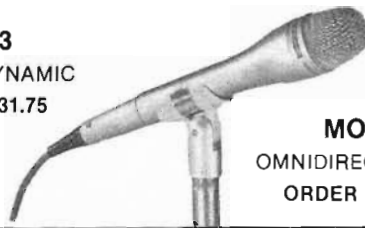
**RE20**  
**ORDER #2117 . . . \$463.52**

**Included:** Stand adapter, metal carrying case

# MICROPHONES & ACCESSORIES

## SHURE®

**MODEL SM-63**  
OMNIDIRECTIONAL DYNAMIC  
ORDER #9181 . . . \$131.75



**MODEL SM61**  
OMNIDIRECTIONAL DYNAMIC  
ORDER #9180 . . . \$144.25



**SM7**  
ORDER #9165  
\$510.00



**Frequency Response:** 40 to 16,000 Hz  
**Polar Pattern:** Cardioid (unidirectional)  
**Impedance Rating:** 150 ohms  
**Output Level**  
**Open Circuit Voltage:** 0.11 mV (-79.0 dB, 0 dB = 1V/ubar)  
**Power Level:** -57.0 dB, 0 dB = 1mW/10ubar  
**Hum Pickup/m0e:** 13 dB SPL equivalent  
**Connector:** Three-pin professional audio  
**Dimensions:** 148mmH x 191mmW x 96mmDia (5-27/32 x 7-17/32 x 3-25/32 in.)  
**Net Weight:** 764 grams (1 lb, 11 oz)  
**Packaged Weight:** 2.04 kg (4 lb, 8 oz)  
**Supplied Accessories:** Switch cover plate, foam-lined storage/carrying case.

**SM81**  
**Puts it**  
**ALL**  
**together**

- professional recording
- broadcast
- motion picture recording
- critical sound reinforcement

ORDER #9183 . . . \$355.00



**SM58**  
ORDER #9177  
\$180.25



**Frequency Response:** 50 to 15,000 Hz  
**Polar Pattern:** Cardioid (unidirectional)  
**Impedance Rating:** Dual: 38/150 ohms  
**Output Level —**  
**Open Circuit Voltage:** 0.08 mV (-81.5 dB, 0 dB = 1 V/ubar) 38 ohms  
0.18 mV (-75.0 dB, 0 dB = 1 V/ubar) 150 ohms  
**Power Level:** -56.0 dB, 0 dB = 1 mW/10ubar  
**Cable:** 6.1m (20 ft) two-conductor shielded with three-socket professional audio connector at microphone end  
**Dimensions:** 16mmL x 51mmDia. (6-3/8 x 2 in.)  
**Net Weight:** 298 grams (10½ oz)  
**Packaged Weight:** 1.14 kg (2 lb, 8 oz)  
**Supplied Accessories:** Swivel adapter, connector locking kit, vinyl storage bag

 **SENNHEISER**

**CALL US**  
**FOR ANY**  
**SENNHEISER**  
**EQUIPMENT**



**MD 431**

ORDER #8904 . . . \$320.00

**NOISE-FREE ON/OFF SWITCH.**  
**INCLUDED IS A 15 FT. CABLE,**  
**XLR TO PHONE PLUG.**

**Frequency response:** 40 to 16,000 Hz  
**Directional characteristic:** super cardioid  
**Impedance:** approx. 200  
**Sensitivity:** 1.4 mV at 94 dB SPL

**UNIDIRECTIONAL**  
**DYNAMIC MICROPHONE**

**STUDIO CARDIOID**  
**MICROPHONE**

**MD 421**  
**MICROPHONE**

ORDER #8894  
\$298.00

**Frequency Range:** 30 to 17,000 Hz.  
Cardioid pattern reduces danger of acoustical feedback. Reduced handling noise and no overload at extremely high volume. 5-step variable bass control (MD 421 N, MD 421-U-4). Quick release clip.

**MZW 421**  
**WINDSCREEN**  
ORDER #8895 . . . \$23.35



**MD 421**  
**SHOCK MOUNT ASSEMBLY**  
ORDER #8889 . . . \$33.39  
**MZQ-1**  
**QUICK RELEASE MIC CLAMP**  
**FOR MD-421**  
ORDER #8897 . . . \$7.10

# MICROPHONES & ACCESSORIES



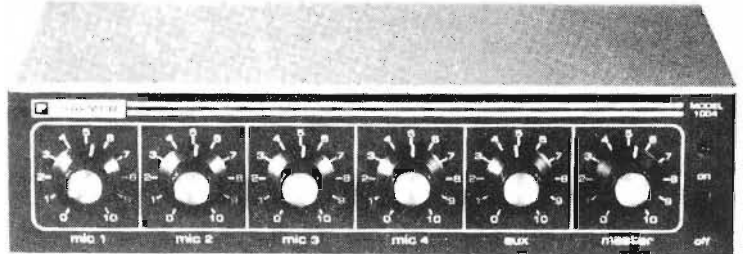
**RAYMER**

## NEW — BALANCED LOW-IMPEDANCE MICROPHONE INPUTS ON RAYMER MIXER/PREAMP

**\$195.00**

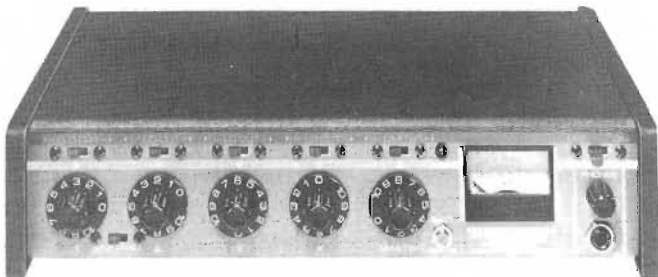
RAYMER MODEL 1004

ORDER #8220



— Plus music mute, bridging inputs, 3-pin connectors, balanced LO-Z output, multiple connector choices and many other features to meet the requirements of the most demanding audio installation.

- Simultaneous mixing of 5 input signals: 4 microphones and 1 aux. (music)
- ★ Built-in Music Mute (mic. precedence)
- 4 balanced low impedance mic inputs.
- Professional 3-pin female audio connectors
- ★ 2 bridging inputs provided. No accessory required for telephone paging access.
- ★ Hi-Z unbalanced option on all mic inputs. Uses ¼ inch phone jack — no rewiring of plug necessary
- Auxiliary input option on 2 mic inputs.
- 3 outputs; aux level, Hi-Z mic, and Lo-Z mic balanced
- 24 volt DC emergency power input jacks
- All silicon solid state with BI-FET integrated circuits
- Rack mounting available with Raymer RPK-6 kit



### M267

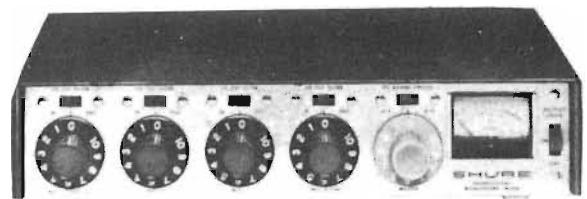
#### SHURE MICROPHONE MIXER WITH LIMITER

ORDER #9078 . . . \$440.00

**Frequency Response:** ± 2 dB from 30 to 20,000 Hz  
**Voltage Gain:** Outputs terminated: line 600 ohms, microphone 150 ohms, mix bus 3.3 kilohms, headphone 200 ohms, tip-sleeve, ring-sleeve

Input	Output		
	Line	Microphone	Mix bus
Low-impedance microphone	92 dB	42 dB	25 dB
Line	40 dB	- 10 dB	- 27 dB
Mix bus	46 dB	- 4 dB	—

**Noise:** Equivalent input noise: - 129.5 dBV  
 Equivalent input hum and noise: - 127 dBV  
**Distortion:** Under 0.35% THD from 30 to 20,000 Hz at + 15 dBm output; under 0.5% IM distortion up to + 15 dBm output level  
**Input Clipping Level:** Microphone: - 32 dBV to - 5 dBV (depending on input control setting); Line: + 20 dBV; Mix bus: - 38 dBV  
**Output Clipping Level:** Microphone: - 32 dBV; Line: + 18 dBm



### M-67

#### SHURE AUDIO MIXER

ORDER #9075 . . . \$400.00

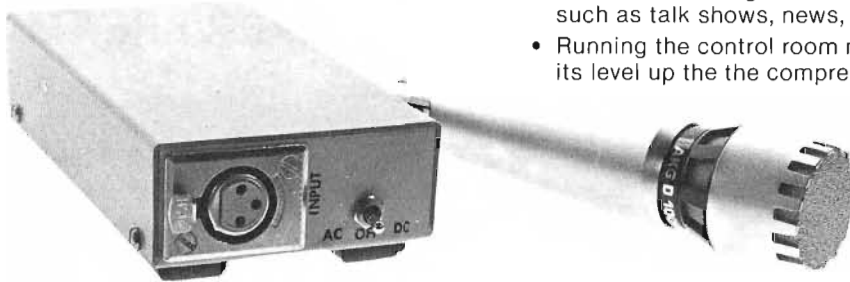
**Frequency Response:** ± 2 dB from 30 to 20,000 Hz  
**Voltage Gain:** At 1,000 Hz

Input	Output	
	Line	Microphone
Low impedance microphone	91 dB	31 dB
Line, bridging	41 dB	- 19 dB
Line, terminating	35 dB	- 25 dB

**Noise:** Equivalent input noise: - 129 dBV  
 Equivalent input hum and noise: - 125 dBV  
**Distortion:** Under 1% THD from 20 to 20,000 Hz at + 10 dBm output (0.5% typical)  
**Input Clipping Level (minimum):** Low impedance microphone: - 30 dBV; Line, bridging: Greater than + 22 dBV; Line, terminated: Greater than + 24 dBm  
**Output Clipping Levels:** Microphone: 6 mV, - 44 dBV; Line: + 18 dBm

# MICROPHONES & ACCESSORIES

## THE L.E.L. MIC-LOCK



- This is a natural for specialized phone patches.
- The voice quality is better than you have ever heard over a normal phone line.
- Stations are using these units on the lines going out from the stations, such as talk shows, news, sports reports, etc.
- Running the control room microphone through the Mic-Lock brings its level up to the compressed music.

SUGGESTED MIC A.K.G. D 1000E-D 130 E.V.635A

*It's great for:*

**TALK SHOWS • CLIENT FEEDS • SPEECHES**  
**NEWS FEEDS • TRAFFIC REPORTS**  
**CONTESTS • CHURCH REMOTES**  
**BALL GAMES • STOCK REPORTS**

Requires 2 9-Volt Batteries

**ML-110V 110V MIC-LOCK**  
 Operates on both battery and 110 volts

ORDER #6442 . . . \$130.00

REPLACEMENT POWER SUPPLY

ORDER #6557 . . . \$10.00



### END MICROPHONE VIBRATION PROBLEMS...

**AT8410A SHOCK MOUNT** ORDER #1600 . . . \$26.50

Provides an extra measure of flexibility and ruggedness for performance situations where rough use is likely. For stand or boom.

*An excellent addition to the L.E.L. MB-360 Studio Mike Boom.*

**A55M ISOLATION MOUNT** ORDER #8970 . . . \$39.50

Reduces mechanical and vibration noises by more than 20 dB. For use with SM50, SM57, and SM58 microphones. Size: 95.2mm H x 38.1mm D x 50.8mm dia. (3 3/4" H x 1 1/2" D x 2" dia.)

**A53M ISOLATION MOUNT** ORDER #8960 . . . \$33.50

A breakthrough in noise isolation. Reduces mechanical and vibration noises by more than 20 dB. For desk, floor stand and fish pole use. 5/8"-27 female thread with 180° swivel action. Size: 88.9mm H x 38.1mm D x 47.6mm dia. (3 1/2" H x 1 1/2" D x 1-7/8" dia.)



**S-39A DESK STAND** ORDER #9135 . . . \$55.00

Isolates microphone from even extreme mechanical vibration. For tables, desks, podiums, etc. Designed for use with any Shure microphone or swivel adapter assembly. Heavy duty "non-fatigue" foam rubber internal isolation element. Low silhouette, black high impact, non-glare plastic housing. Base size: 44.5mm H x 133mm W x 184mm D (1 3/4" H x 5 1/4" W x 7 1/2" D).



**EV-307 SHOCK MOUNT** ORDER #2101 . . . \$52.50

Shock mount adapts any microphone with 3/4" diameter cylindrical shank for boom or stand use.

**TROUBLESHOOTING A15TG** ORDER #8950 . . . \$68.35

**Tone Generator** produces a continuous 700 Hz low-impedance microphone level signal — extremely useful in setting-up and troubleshooting lines. Helps check levels, connections, mixer inputs, and cables. Allows one man to do the work of two!

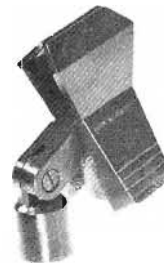
## STAND ADAPTERS

5/8" — 27 thread

### SA-26

(fits SE-5E, D-120E/ES, D-140E, D-160E1, D170E, D-190E/ES, D-200E, D-1000E, D-2000E)

ORDER #1023 . . . \$12.00



### SA-11/1

(fits SE-5E, D-120E/ES, D-160E1, D-190E/ES)

"metal base"

ORDER #1016 . . . \$14.00

### SA-25/1

(fits D-140E)

"metal base"

ORDER #1018 . . . \$14.00



### SA-12/1

(fits D-170E, D-1000E, D-2000E)

"metal base"

ORDER #1024 . . . \$17.00

# MICROPHONE WINDSCREENS



ORDER NO.	FOAM AND WIRE-MESH WINDSCREENS	PROFESSIONAL NET PRICE
★	W-2 WINDSCREEN FOR D-224E (FRONT). GRAY FOAM.	6.00
★	W-9A WINDSCREEN FOR D-202E, D-900E (REAR). GRAY FOAM.	9.00
★	W-19 WINDSCREEN FOR CK-9, D-900E. GRAY FOAM.	45.00
★	W-22 WINDSCREEN FOR D-224E. NICKEL WIRE MESH.	70.00
1008	W-23 WINDSCREEN FOR CE-5, CK-5, D-120E/ES, D-170E, D-2000E. GRAY FOAM.	23.00
1027	W-29 FRONT & REAR WINDSCREENS FOR D-222EB (PAIR). ALSO FIT D200E1, D-202E, D1000E. GRAY FOAM.	8.00
1028	W-31 WINDSCREEN FOR D-125-E, D-130E, D140E, D160E1 (WITH W-16), D-190E/ES, D-590. GRAY FOAM.	7.00
1006	W-32 WINDSCREEN FOR CE-1, CE-2, CK-1, CK-1S, CK-2, CK-22, D-58E, D-160E1, D-510B, D-558B. GRAY FOAM.	7.00
★	W-37 WINDSCREEN FOR C-567E, C-567E/7, C-67/7 (REPLACEMENT). BLACK WIRE MESH.	7.00



## A53GWS

ORDER #8966 . . . \$46.70

## A61WS

**Fits all Ball Type Microphones**  
 Colors: Grey, White, Yellow, Red,  
 Green, Brown, Blue, Orange  
 ORDER #8980 . . . \$8.00

## 314EWS for 635A

ORDER #2114 . . . \$8.20

## 314WS for RE10 - RE15

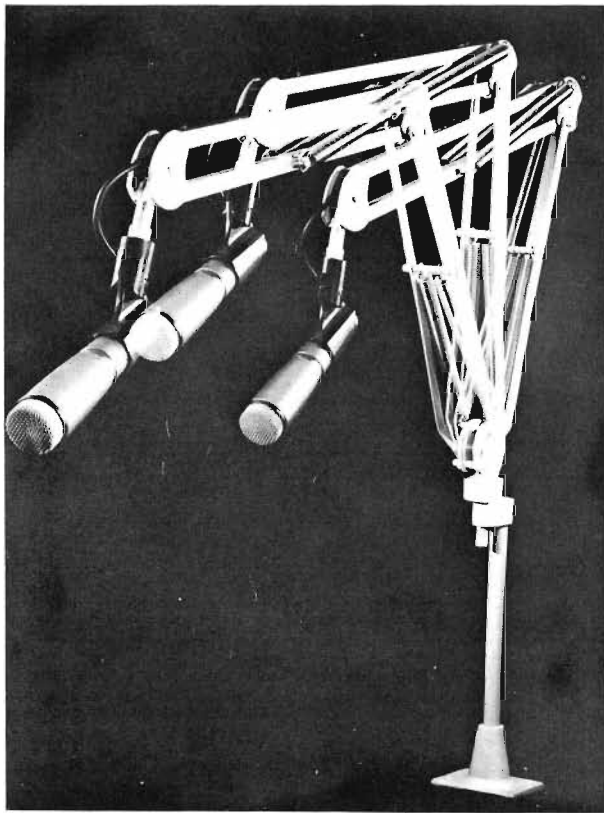
ORDER #2125 . . . \$17.40

## BEYER DYNAMIC

ORDER NO.	POPSHIELDS AND WINDSCREENS	PROFESSIONAL NET PRICE
★	PS88 DARK GREY POPSHIELD FOR M69 AND M88.	11.50
★	PS260 DARK GREY POPSHIELD FOR M160 AND M400.	11.50
★	PS500 DARK GREY POPSHIELD FOR M500.	11.50
1775	WS69 LIGHTWEIGHT FOAM WINDSCREEN FOR M69 AND M88. BLACK.	17.00
★	WS81 LIGHTWEIGHT FOAM WINDSCREEN FOR M55, M67, M81, AND M810. BLACK.	13.00
1777	WS101 LIGHTWEIGHT FOAM WINDSCREEN FOR M101 & M201. BLACK.	10.75
★	WS260 LIGHTWEIGHT FOAM WINDSCREEN FOR M160 & M260. BLACK.	13.50

★ SPECIAL ORDER ITEMS

# MICROPHONE BOOMS



## MB-360 MIKE BOOM

*Complete With A 12" Base  
As Shown*

*No Spring Change*

### SPECIFICATIONS

Horizontal arm swivel: full 360°  
Vertical arm reach with stand: 12" to 42"  
Horizontal arm reach: 6" to 36"  
Microphone head swivel: vertical 180°

ORDER #6425 . . . \$73.85

***The Most Heavy Duty  
Mike Boom  
on the Market Today!***

## ADDITIONAL ACCESSORY MOUNTING BASES FOR MB-360 BOOM

*Mount an MB-360 anywhere!*



**CLAMP**  
ORDER #6426  
\$19.25



**DESK MOUNT**  
ORDER #6428  
\$14.00



**WALL MOUNT**  
ORDER #6427  
\$14.00

ORDER #6423 SPRING . . . \$2.00 (ea.)



### AKG KM211/2 MICROPHONE BOOM

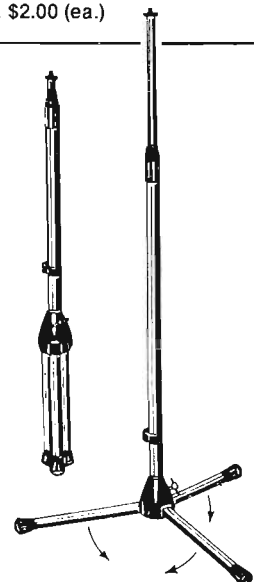
ORDER #1056 . . . \$25.00

Lightweight, burnished nickel plated boom arm, suitable for all floor stands. Extends to a maximum length of 2 ft., 3 in. It can be pivoted through 360° in two planes and has a simple-to-operate pressure grip locking mechanism. Non-slip rubber locking pads ensure maximum grip with minimum effort. Weighs approx. 2½ lb. Standard American 5/8" thread.

### AKG KM201 A/2 MICROPHONE STAND

ORDER #1055 . . . \$45.00

Noiselessly adjustable floor stand. Heavy duty fold away legs with rubber shock absorbers. Weighs approx. 9 lb. Standard American 5/8" thread. Leg length 13".



**CALL US FOR ALL YOUR MICROPHONE NEEDS!**



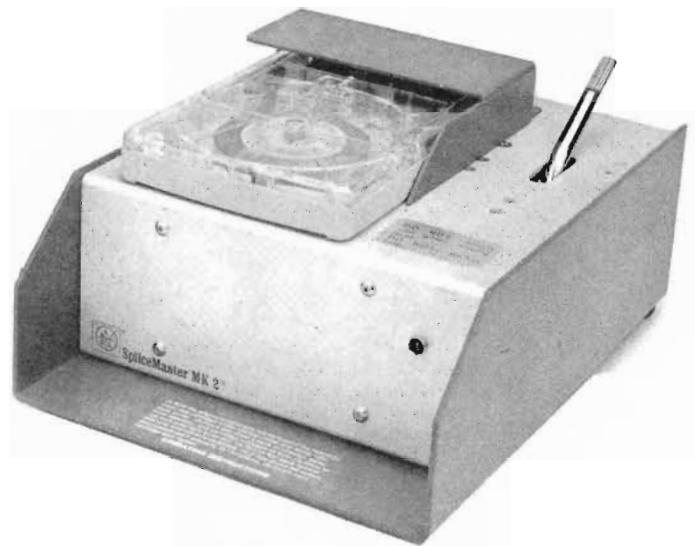
# SPLICEMASTER

## SPLICEMASTER MK1™

## SPLICEMASTER MK2™ M-SERIES



ORDER #6545... \$395.00



ORDER #6540... \$199.50

### COMPARISON BETWEEN SPLICEMASTER MK1 AND MK2 M-SERIES

#### MK1

1. FULLY AUTOMATIC:  
Cart is inserted, pinch roller engages, cart starts & runs until splice is reached. At this point, pinch roller disengages, allowing **cart brake** to stop cart. (Splice always ends up right after recorder head position.) Cart is then automatically "kicked out."
2. AUTOMATIC GAIN CONTROL:  
This allows sensitivity to be adjusted to point where "kinks" & flaws in tape will stop cart if desired.
3. ON-OFF SWITCH.
4. OVERRIDE SWITCH:  
Allows operator to stop cart at any point in cycle after initial 3 second time delay.
5. LED BARGRAPH VOLTMETER:  
Visual monitoring of tape sensing while running by bargraph voltmeter on front of chassis. (Allows AGC to be adjusted for sensitivity visually.) Sensitivity control on back of chassis.
6. HIGH QUALITY STAINLESS STEEL CHASSIS
7. SENSING:  
Fiber optic cable (reflective) to infra red emitter & detector.

#### MK2 M-SERIES

1. HAND OPERATED:  
Cart is inserted, lever is pushed forward by hand. Cart starts & runs until splice is reached. At this point, motor drive stops, solenoid engages brake, (splice does not always end up at same spot, due to inertia of different lengths of tape). Operator releases cart by pulling lever back.
2. NONE
3. NONE
4. NONE
5. NONE
6. ANODIZED ALUMINUM CHASSIS
7. SENSING:  
[Mechanical]  
Tape & splice thickness variance.

**AVAILABLE NOW ★ SATISFACTION GUARANTEED ★ 10 DAY FREE TRIAL**

# HEADPHONES & HEADSETS



**AKG K-240**  
ORDER #1034  
\$96.00

Utilizes Passive Diaphragms and acoustic "screens" for controlled response and "free-field" realism. Dynamic transducers provide accurate reproduction and high output. Universal gimbal (cardan) suspension for each earpiece with self-adjusting headband is comfortable to wear over long periods. Favorite of recording and broadcast studios.



**AKG K-45**  
ORDER #1036  
\$40.00

An economy headphone...in price only. This high-performance model is supra-aural and is a true "open air" design. Despite being inexpensive, it is equipped with larger transducers such as those found in higher-end models. It provides excellent high-quality audio reproduction.



**AKG-141**  
ORDER #1030  
\$75.00

A lightweight, semi-open headphone featuring the resonance-free characteristics of "open air" designs and freedom from low-frequency side-effects caused by conventional circum-aural headphones. Provides excellent clarity and definition. Self-adjusting headband. A favorite at recording studios.

## Beyer Dynamic



**HI-FI STEREO HEADPHONE**  
**DT 320**

ORDER #1720 . . . \$42.94

### Technical Data

**Transducer Principle:** dynamic, semi-open  
**Frequency response:** 20-20,000 Hz  
**Nominal impedance:** 600 ohms/system  
**Nominal SPL:**  $\geq 88$  dB  
**THD:**  $\leq 1\%$   
**Nominal load:** 100mV  $\triangleq$  108 dB SPL  $\triangleq$  7, 75V at 600 ohms  
**Sound coupling to the ear:** circumaural  
**Headband pressure:** 1,5 N  
**Weight without cable:** 105 g



**BEYER DT109**

ORDER #1719 . . . \$144.95

### Electrical Data (headphone)

**Type:** DT109, dynamic transducer  
**Frequency response:** 30 to 20,000 Hz  
**Electrical impedance (standard):**  
2 x 400 ohms  $\pm 10\%$

### Electrical Data (microphone)

**Frequency response:** 40 to 12,000 Hz  
(2" = 5 cm talking distance)  
**Polar pattern:** Hypercardioid  
**Electrical impedance:** 200 ohms (standard) — (600 ohms upon request)

### DT 320 PARTS TRANSDUCER PR.

ORDER #1721 . . . \$21.30

### CORD

ORDER #1722 . . . \$9.40

### EAR CUSHION PR.

ORDER #1723 . . . \$7.00



**BEYER DT209**

ORDER #1718 . . . \$115.95

### Electrical Data (headphone)

**Type:** DT209, dynamic transducer  
**Frequency response:** 20 to 20,000 Hz  
**Electrical impedance (standard):**  
2 x 400 ohms  $\pm 10\%$

### Electrical Data (microphone)

**Acoustical principle:** Pressure gradient  
**Polar pattern:** Cardioid  
**Frequency response:** 40 to 12,000 Hz  
(2" = 5 cm talking distance)  
**Electrical Impedance:** 200 ohms (standard) — (600 ohms upon request)

# HEADPHONES & HEADSETS

**KOSS**

**KOSS K/20**  
ORDER #3004 . . . \$19.95



### K/20 SPECIFICATIONS:

**Element:** New High Velocity 1/4-inch PVC dynamic moving coil.  
**Frequency Response:** 18-20,000 Hz. **DC Resistance:** 110 ohms.  
**Sensitivity:** 0.8 volts-rms, pink-noise 20-20,000 Hz for 100 dB SPL.  
**Total Harmonic Distortion (THD):** Less than 1.0% at 1 kHz, 100 dB-SPL. **Weight:** 2.5 ounces (less cord). **Cord:** 8 foot Y-cord.  
**Cushions:** Foam (Washable and Replaceable).

**KOSS HV/1A**  
ORDER #3005 . . . \$49.95



### HV/1A SPECIFICATIONS:

**Frequency Response:** 15-30,000 Hz. **Impedance:** 157 ohm at 1kHz.  
**Sensitivity for 100 dB-SPL:** .9V-rms, sine wave, at 1kHz; .5V-rms pink noise (simulates the amplitude distribution of average music). **Total Harmonic Distortion (THD):** Less than .5% at 1kHz, 100 dB-SPL. **Elements:** 50mm diameter Decilite™ dynamic, velocity operated. **Cord:** 3-conductor, coiled 3m (10 ft) extended.  
**Earcushions:** Reticulated foam. **Headband:** Extendable with self-adjusting, pivoting yokes and soft padded, vinyl cover. **Weight, Less Cord:** 285g (10 oz).

**KOSS**

## KOSS REPLACEMENT PARTS



ORDER #	ITEM	PRICE
3006	CORD . . . 4A	\$ 7.60
3008	OVERHEAD CORD . . . 4AA	4.75
3009	ELEMENT . . . 4AA	19.00
3002	EAR CUSHION PR. . . 4AA	10.00
3012	COIL CORD . . . 4AAA	11.00
3015	OVERHEAD CORD . . . 4AAA	4.00
3013	RT. ELEMENT . . . 4AAA	20.00
3014	LFT. ELEMENT . . . 4AAA	20.00
3011	EAR CUSHION PR. . . 4AAA	15.00
3016	TOP CUSHION . . . 4AAA	5.00

**KOSS Pro/4X**

ORDER #3007 . . . \$70.00



The PRO/4X is a lightweight with a heavyweight sound and with superior comfort.

**KOSS Pro/4 Triple A**

ORDER #3003 . . . \$70.00

**Numark**



*It's Not Beautiful  
Just Practical!*

**DH-15B**

ORDER #3508 . . . \$16.95

The DH-15B is the first Headphone designed to be "jock-proof."



**HM6000A**

ORDER #3707 . . . \$51.00



**HM7000A**

ORDER #3706 . . . \$60.00

*HM6000 and HM7000 — New and improved transducers and ear cushions!*

# HEADPHONES & HEADSETS

PRODUCTS OF SOUND RESEARCH

**TELEX**  
COMMUNICATIONS, INC.

## PROFESSIONAL COMMUNICATION HEADSETS



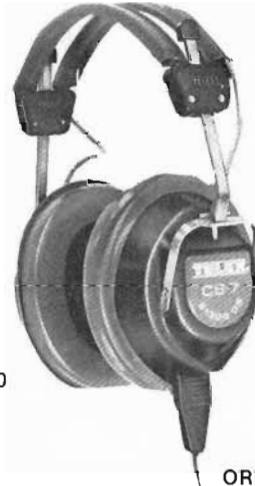
**CAMERAMAN SERIES  
HEADSET CS-91  
with mic**  
ORDER #9500 . . . \$155.00



**DUAL MUFF  
HEADSET CS-61  
with mic**  
ORDER #9465 . . . \$104.50

Professional communications headset with precision transducers and microphone element. Impervious to environmental temperature and humidity changes. Exceptional performance stability with highly sensitive, distortion free receivers. Excellent frequency response. Noise cancelling dynamic boom microphone.

**CS-45  
Mic 600 ohm  
Headphone 20-50 ohm**  
ORDER #9460 . . . \$104.50



**CS-7**  
ORDER #9450 . . . \$77.00

Comfort Fit stainless steel headband holds headset firmly yet comfortably on head. Optional, snap-fit headband cushion available.

**Telex HearDefenders™**  
Bring You a Whole New World of Quiet

Deep ear cavity provides maximum comfort and excellent noise attenuation. Really blocks out ambient noise!

Famous Telex Circumaural foam filled ear cushions, with just the right seizing pressure, provide the real cure for noise pollution.

Styled in light grey color for minimum sunlight absorption and a "like new" appearance for years to come.

Microphone element dramatically improves transmissions and eliminates RF feedback. For those applications where speech intelligibility must be achieved in extremely noisy environments.

Mike positions at the corner of your mouth, exactly where you need it, and stays put.

Microphone is mounted on a ball swivel for free vertical and horizontal adjustment and rotates for use on left or right side.

## Experience the Telex Quiet Treatment

Walk into any noisy environment . . . an industrial plant, a heavy construction area, near a whining jet airplane or a rifle range. But, make sure you have a Telex HearDefender in hand. The sound intensity level in these areas is in excess of 90 decibels, a level very harmful to the human ear without protection. Now, slowly slip the Telex Hear Defender over your head and let the large foam filled cushions cradle your ears. Listen — what do you hear? A soft, sweet hum? Aahh . . . you've just opened up a whole new world of Telex quiet.



**ORDER #9531  
\$100.00**

**ORDER #9532  
\$165.00**

Permits listening to information clearly in noisy surroundings. HD-3, HD-4 Headset with noise cancelling dynamic (HD-3) or superior noise cancelling electret (HD-4) boom microphone for clear two-way communications in noise filled environment.



**MONOSET®**  
Available in the Following Impedance

<b>TELEX HMV-2</b> 125 ohm ORDER #9550 . . . \$25.00	<b>TELEX HMY-2</b> 200 ohm ORDER #9560 . . . \$25.00
--	--

**CS-11**  
ORDER #9455  
\$55.00

Professional communications headset with precision transducers, impervious to environmental temperature and humidity changes. Exceptional performance stability with highly sensitive, distortion free receivers. Excellent frequency response.



# HEADPHONES & HEADSETS

## SENNHEISER

HI-FI Stereo "Open-Aire"<sup>®</sup> Headphone

HI-FI Stereo "Open-Aire"<sup>®</sup> Headphone

**HD 410 SL**  
ORDER #8888 . . . \$48.80



**HD 414 SL**  
ORDER #8896 . . . \$75.00



**HZL-1**  
Replacement Cord  
For HD-414  
ORDER #8898  
\$17.80

**EC-1**  
Replacement Cushion  
For HD-414  
ORDER #8899  
\$5.50 (pair)

**DE-1**  
Replacement Element  
For HD-414  
ORDER #8893  
\$23.35

**Frequency Range:** 20 to 18,000 Hz. **Impedance:** 600 ohms; may be used with 4-ohm to 600-ohm outputs. **Sensitivity:** 94 dB SPL/1mW/1KHz. **Distortion:** less than 1% THD @ 94 dB SPL. **Weight:** less than 2.7 ounces without cable. **Cable:** 10 ft. stranded steel with molded standard 1/4" stereo phone plug.

**Frequency Range:** 20 to 20,000 Hz. **Impedance:** 600 ohms; may be used with 4-ohm to 600-ohm outputs. **Sensitivity:** 94 dB SPL/1mW/1KHz. **Distortion:** less than 1% THD @ 94 dB SPL. **Weight:** 4 ounces without cable. **Cable:** 10 ft. stranded steel with molded standard 1/4" stereo phone plug.

## STANTON

THE STANTON  
PBR SERIES  
ANNOUNCER'S  
EARPHONE

**\$15.00**



The same dedication to quality that has made Stanton the leader in the audio industry assures superb sound reproduction with the

PBR Series light-weight compact receiver. Designed for ruggedness and utilizing high state-of-the-art quality control systems, each unit has a high impact plastic cap in a flesh-tone color and is available in three different impedances, a variety of cord types and plug sizes.

The PBR Series is made up of component parts which snap together and are interchangeable. Each earphone includes a button receiver, nylon ear loop, rubber ear tip, metal ear adapter and 5' cord.

The Stanton Announcer's Earphone is designed for inconspicuous listening for on camera studio or remote applications. It can also be utilized for use in communication equipment, dictation machines and for the hearing impaired.



**STEROWAFER<sup>™</sup> EIGHTY**  
HEADPHONE SPECIFICATIONS

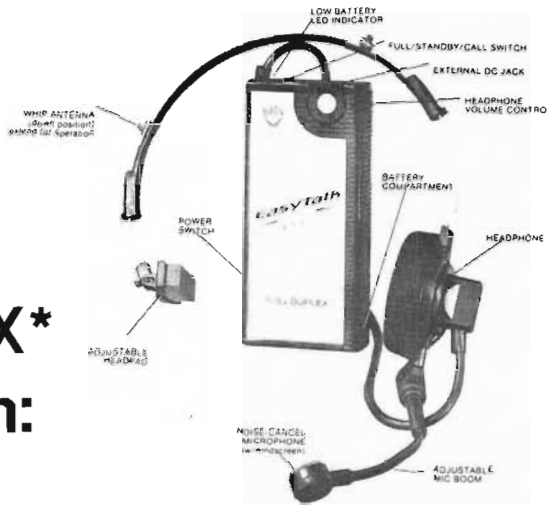
**Frequency Response:** 20-22,000 Hz. **Distortion:** Less than 1/2% @ 110 dB SPL\* @ 1kHz. **Sensitivity:** 110 dB SPL\* @ 0.20 volts input @ 1 kHz for each channel. **Impedance:** 100 ohms ± 10% @ 1kHz. **Maximum Permissible Power Input:** 0.1 watts RMS/Channel. **Transducer:** 1 1/2" Mylar Diaphragm, Samarium Cobalt Magnets. **Headband:** Padded spring steel headband with black vinyl covering and silver extend-adjustable pivot yokes. **Ear Cushions:** Soft black vinyl covered foam cushions. **Cord Length:** 10 ft. 4 conductor cord with molded no-break connector. **Weight:** 5.9 oz. without cord.

ORDER #9312 . . . **\$52.45**

# HEADPHONES & HEADSETS



**FULL DUPLEX\***  
**Transmission:**



## PRC-3x

**Advanced Technology —  
High Performance:**

The EasyTalk PRC-3x represents the latest state-of-the-art breakthroughs in radio technology. The PRC-3x is the first low cost full duplex system available — with performance previously offered only on very high priced pro systems. Transmitting range can be up to ¼ to ½ mile line-of-sight. FM operation in the low power 49MHz band utilizing this special simultaneous transmission-reception design assures clean, noise-free communication.

ORDER #3105 . . . **\$88.95**

**PRC-1X • VHF Body-Pak  
Transmitter/Receiver with Headset**



PRC-1X — ORDER #3102 . . . \$69.95

**PRC-2X • VHF Headset  
Transmitter/Receiver**



9 VOLT  
RECHARGEABLE BATTERY  
ORDER #5506  
\$9.99



PRC-2X — ORDER #3104 . . . \$69.95

## MODELS PRC-1X & PRC-2X SPECIFICATIONS:

### GENERAL

**Power Source:** 9VDC (Type 0006P × 1) or (Type MN1604 × 1) Alkaline  
**Semiconductors:** 3-IC'S, 15-Transistors & 11-Diodes  
**Frequency Range:** 49.830-49.890 MHz, 5 Channels  
**Current Drain:** Standby 15MA; Receive 65MA; Transmit 85MA  
**Service Area:** Approx. ¼ Mile (400 Meters)  
**Dimensions:** 4.68"(H) × 2.44"(W) × 1.06"(D) — 119mm (H) × 62mm(W) × 27mm(D)  
**Weight:** 8.92 oz. (250 grams)

### RECEIVER

**Receiving System:** FM Double Super Heterodyne  
**Intermediate Frequency:** 1st if 10.7 MHz, 2nd if 455 kHz  
**Sensitivity:** 1uV Min.  
**Squelch Open Sensitivity:** 0.5uV Min.  
**Spurious and Image Rejection:** 20 dB Min.  
**Max. Modulation Bandwidth:** ± 7 kHz  
**Headphone Transducer:** Samarium Cobalt Magnet, Dome Type Polymar Diaphragm, 28mm Dia. 32 ohm

### TRANSMITTER

**Transmitting System:** Voice Operation (VOX)  
**Output Power:** 40 MW  
**Max. Frequency Deviation:** 4.5 kHz  
**Spurious and Harmonic Emissions:** 20 dB Min.  
**Microphone:** Electret Condenser Microphone, 600 ohm

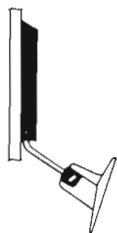
**CALL FOR  
OTHER**

**NADY  
COMMUNICATION  
PRODUCTS**

# SPEAKERS & MOUNTS

## THE 100 SERIES OF OMNIMOUNT ASSEMBLIES

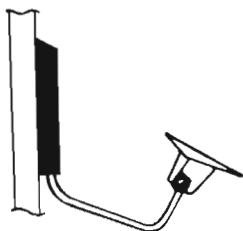
100WA



### 100WA . . . \$68.95

Wall Mount Assembly, with a maximum recommended load of 70 lbs.\* The single-bend tube and clamp/flange unit attaches to the **back** of the device that is to be mounted.

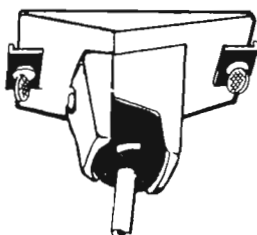
100WB



### 100WB . . . \$72.50

Wall Mount Assembly, with a maximum recommended load of 70 lbs.\* There is a double-bend tube, with a clamp/flange unit that attaches to the **bottom** of the device that is to be mounted.

100WBZ



### 100WBZ . . . \$72.50

Wall Mount Assembly, with a maximum recommended load of 70 lbs.\* There is a double-bend tube. The unit is designed specifically for use with the BOSE® Model 802 speaker, and includes all necessary hardware for attaching it to the speaker.

101RWA



101CA

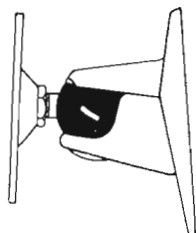


### 101RWA or 101CA . . . \$69.95

Both of these models are Ceiling Mount Assemblies with a maximum rated load of 60 lbs.\* The 101CA has a Ceiling Plate for direct mounting into the ceiling.

Where height extension is required, use the 101RWA. It is ideal for suspended ceiling installations, and mounts securely above the false ceiling line. The coupler has a standard 3/4" tapered female plumbing pipe thread at the open end. A finishing flange "dresses down" the ceiling tile.

101SWA



### 101SWA . . . \$59.95

Short Tube Assembly, with flange, it has a maximum recommended load of 70 lbs.\* This unit is for close mounting on walls, floors, or ceilings.



## KOSSFIRE 110 LOUDSPEAKER . . . \$129.00

### KOSSFIRE 110 SPECIFICATIONS

**Transducers:** Dual 1 1/4" super tweeters, magnetic fluid 1 1/4" midtweeter, and 10" dynamic woofer.

**Frequency range:** 30-20,000 Hz.

**Crossover frequency:** 2,500 Hz and 8,000 Hz.

**Impedance:** 8 ohms nominal; 6 ohms minimum.

**Minimum Amplifier Power:** 10 watts per channel.

**Maximum Power Handling:** 100 watts music material.

**Level Controls:** ± 5 dB Treble Level Adjustment.

**Cabinet:** Walnut-grained, vinyl laminate.

**Weight:** 18 lbs. 8 oz.

**Size:** 23"(H) × 13-7/8"(W) × 10-3/8"(D).

**HEADPHONE  
ADAPTER  
STEREO-TO-MONO**  
ORDER #6443 . . . \$6.75

# CLOCKS & TIMERS

## The L.E.L. 1610 DIGITAL SIXTY MINUTE TIMER

The 1610 Timer is a solid state 60 minute timer with a large  $\frac{3}{4}$ " light emitting diode display. The timer may be started, stopped, and reset from the front panel and remotely via the terminal block at the rear of the chassis. Grounding any one of the three function terminals will cause that function to occur. It should be noted that reset MUST be either pulsed or momentarily closed.

— ACCESSORIES —  
RMA-19 STANDARD RACK MOUNT ADAPTER  
ORDER #6522 . . . \$10.00



L.E.L. 1610 DIGITAL TIMER  
(Display Hold & Reset)  
ORDER #6003 . . . \$139.00

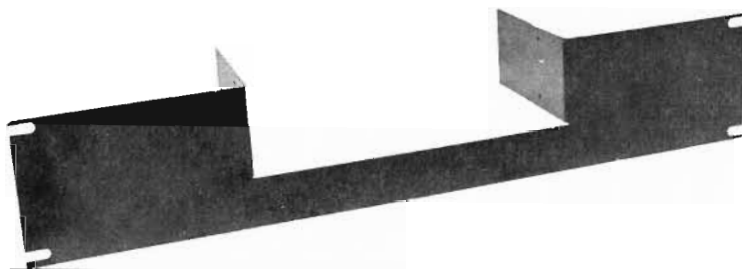


## THE L.E.L. 212 CLOCK

The perfect match for the L.E.L. 610 Timer. Easy to read with the large  $\frac{3}{4}$  inch digits for the minutes, hours, and seconds. This modular Digital Clock is a must for any modern studio, and an accurate, functional addition to any existing studio.

L.E.L. 212 CLOCK  
ORDER #6002 . . . \$147.00

NOW AVAILABLE WITH HOLD BUTTON!



## ACCESSORIES

RMA-19A  
STANDARD RACK MOUNT  
ADAPTER  
ORDER #6522 . . . \$10.00

HERE  
AT LAST!

## UP OR DOWN TIMER

— *Production Room Dream Come True* —  
Now with Remote Start Stop Function.



- ★ Counts up to 99 Minutes 59 Seconds
- ★ Counts down from 99 Minutes 59 Seconds or simply enter 5 digits on the touch pad and the timer switches over to hours and minutes!
- ★ End of Count down audible indicator.
- ★ Stop count in up or down mode.
- ★ Flashing colon in one second intervals.
- ★ Non-skid feet for angled surfaces.
- ★ High impact plastic case.
- ★ Machine or wall mounting holes on bottom for vertical mounting.
- ★ Super large, easy to read  $\frac{1}{2}$ " digital display.
- ★ Runs over a year on a single pair of AA batteries.

ORDER #1060 . . . \$38.95

RECHARGEABLE AA BATTERY  
ORDER #5503 . . . \$8.25 (Pkg. of 2)



# CLOCKS & TIMERS



## QUARTZ MANAGER® BROWN

Brown molded case, textured finish, glass lens, large easy-to-read dial graphics, red sweep seconds hand (full length), accurate quartz movement. Operates 1 year on one "C" size battery. 14" diameter case, 12" dial, 2 3/4" depth.

ORDER #9910 . . . \$65.00

## QUARTZ MANAGER® DESERT TAN

Steel cases. White dial, black numerals and hands. Diameter 9 3/4", D. 2 1/4", Dial 8".

ORDER #9915 . . . \$55.00



## ELECTRIC MODELS

Performance meets Federal Spec. GG-C-446e, all state and local codes. UL listed.

## 14" DIA. SETH THOMAS CLOCK

Large, black numerals on 12" dia. white face. Black hour and minute hands, red sweep-second hand. 14" dia. high impact polystyrene case with concealed hanger.

ORDER #9950 . . . \$29.00

# Computemp 2

## THE TIME AND TEMPERATURE CENTER EVERY CONTROL ROOM NEEDS

DON'T let your listeners "PUSH THE BUTTON" for a weather update! With the **COMPUTEMP** you'll have instant weather information right at your fingertips. You get 8 different time and temperature functions to turn your station into a weather center.

### FEATURES

**Outside temperature (main)** — this 30 ft. (9M) sensor is primarily intended for measuring ambient outdoor temperature, but other uses are limited only by imagination (other lengths available).

**Inside temperature (aux)** — will measure any temperature within 6 ft. (1.8M) of the unit (other lengths available).

**Time** — current time of day is displayed.

**Temperature memory** — the outside temperature sensor has a unique memory feature, which keeps track of daily low and high temperature extremes and what time they occur.

**Temperature alarm** — emits a steady tone when your pre-selected temperature is reached.

**Time alarm** — a brand new concept. A 10 second tone alerts you at the time you have selected, automatically stops and then continues at 5 minute intervals with shortened tones until you turn it off.

**Display select** — This feature is completely versatile. You can set the unit to be blank or to display any one or combination of the following: inside temp, outside temp, or time.

**Celsius or Fahrenheit** — will display temp in Celsius or Fahrenheit or both alternately.



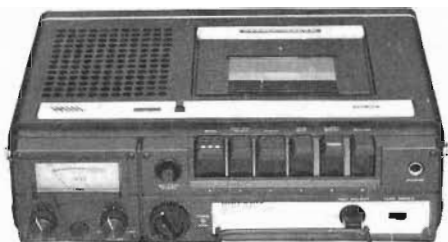
ORDER #1915 . . . \$69.95

100' EXT. PROBE

ORDER #1916 . . . \$16.00

# CASSETTE MACHINES

## PMD-200 Portable Two-Speed Cassette Recorder



- Two-Speed 1-7/8" and 15/16" • External Microphone Input • One Touch Record • Automatic, Manual, Limiter Record Level • Cue and Review • Built-In Electret Condenser Microphone • Total Mechanism Shut-Off • Volume and Tone Control • Vari-Speed Pitch Control • Impact Resistant Lexan™ Case • DC Servo Controlled Motor • 4-Inch Full Range Speaker • Dual Flywheel Design • External Speaker Output • Super-Hard Permalloy Record/Play Back Head • Line Out • Auxiliary Input • 4 Way Power • PA/Play Mix

ORDER #9438 . . . \$172.00

## PMD-360 Portable 3-Head Stereo Cassette Deck With Dolby



- Three Head Tape/Source Monitoring • 4 Way Power • Total Mechanism Shut-Off • Volume and Tone Control • Automatic Recording Level • Dual Flywheel Mechanism • 4-Inch Full Range Speaker • External Speaker Output Jacks • Line In and Line Output Jacks • Automatic Mic/Line Switching • Double Dolby Noise Reductions System • Cue and Review • Equalization and Bias Selector Switch for Chrome, Ferrichrome and Standard Tapes • Mic Attenuator • Peak Limiter • Mic Input Jacks • Headphone Jack • 3 Digit Tape Counter • Impact Resistant Lexan™ Case.

ORDER #9434 . . . \$322.00

## PMD-220 Deluxe Portable Two-Speed Cassette Recorder



- One Touch Record • Memory Rewind and Replay • Cue and Review • Separate Tape Bias and Equalization Switch • Vari-Speed Pitch Control • Ambient Noise Control • Record Level/Battery Strength Meter • Auto/Manual/Limiter Record Level • 4-Way Power • Tape Monitor • Dual Flywheel Mechanism • Total Mechanism Shutoff • Automatic Mic/Line Switching • Volume and Tone Control • Built-in Electret Condenser Microphone • Tape Counter • Headphone Jack • External Speaker Jack • External Telephone Pickup Jack • Impact Resistant Lexan™ Case

ORDER #9437 . . . \$222.00

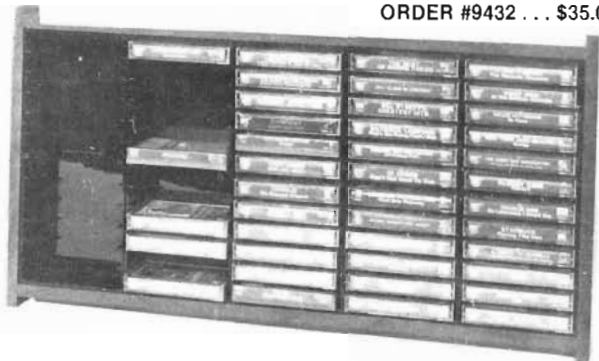
## PMD-340 Portable Stereo Cassette Deck With Dolby



- Dolby Noise Reduction System • Built-in Stereo Amplifier • 4-Way Power • Peak Limiter • Mic Attenuator • Cue Review • Total Mechanism Shutoff • Headphone Jack • Tape Equalization and Bias Selector Switch for Chrome, Ferrichrome and Standard Tape • Automatic Recording Level • Volume and Tone Control • Dual VU Meters • Input and Output Jacks • Dual Flywheel Mechanism • Impact Resistant Lexan™ Case.

ORDER #9439 . . . \$257.00

## CLC-330 Vinyl Carrying Case ORDER #9433 . . . \$30.00



## 9C5 CASSETTE MODULE

Holds 60 Cassettes in HORIZONTAL position for easy reading.  
Holds 3M "C" Box: 24½" x 12¾" x 2-7/8".

ORDER #6454 . . . \$33.00

## RBC-1 Rechargeable Ni-Cad Battery Pack For Models PMD-200, PMD-220, PMD-340 and PMD-360 ORDER #9432 . . . \$35.00

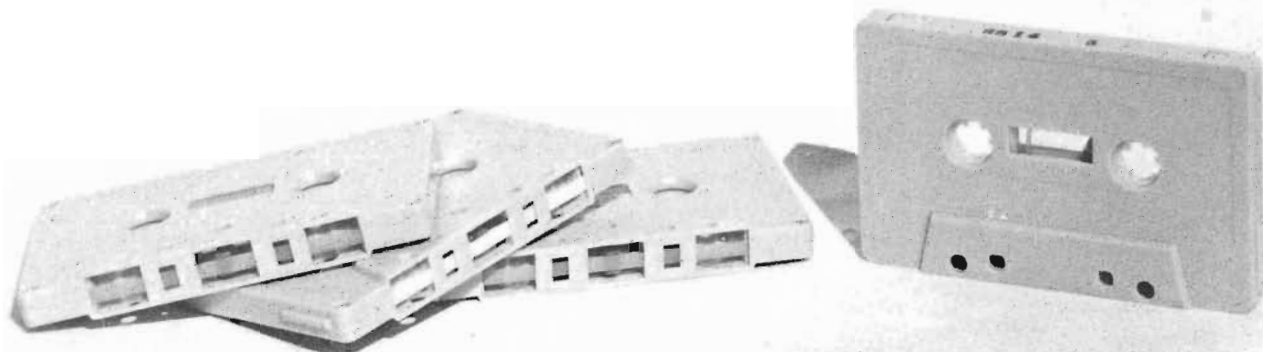
## PMD 430 Portable Cassette Deck with Dolby B, dbx, and 3 Heads



- Dolby B Noise Reduction • dbx Noise Reduction • 3 Heads • Pitch Control ± 6% • Bias Fine Adjustment • Auto Shutoff • Memory Rewind • Auto Replay • 3-Position Tape Selector (Metal, CrO<sub>2</sub>, Normal) • 3-Position MIC Attenuator (-0, -15, -30dB) • Limiter • Illuminated VU Meters • 3-Digit Tape Counter • Impact Resistant Lexan™ Case • 4-Way Power Supply: 120 VAC, 4.5 VDC, 3 D Cells, Optional Rechargeable RB430 Battery Pack • Built-in Speaker • Headphone Output Jack.

ORDER #9435 . . . \$430.00

# CASSETTES



## PROFESSIONAL CASSETTES

### L.E.L. SCREW TYPE CASSETTE

#### INSTANT START BROADCAST CASSETTE

News gathering . . . Interviews . . . Spot Demos

*Highest quality materials  
go into this special rugged cassette.*

#### CHECK THESE OTHER OUTSTANDING FEATURES:

1. Heavy molded plastic cases. Welded windows.
2. Full pin and roller corner guides for smooth tape flow.
3. 5 screw construction for precision fit of cassette housing.
4. Super slick slip sheets reduce internal friction.
5. Berillium spring and pad provide positive tape to head contact.
6. Available in special lengths.

*IF BOX AND LABEL NOT REQUIRED,  
PLEASE SPECIFY.*

ORDER #	CASSETTE DESCRIPTION	TAPE TIME	BROADCAST NET		
			(1-11)	(12-49)	(50+)
6455	PRO-C-30	30 Min.	\$1.59	\$1.19	\$1.09
6460	PRO-C-45	45 Min.	\$1.69	\$1.29	\$1.19
6465	PRO-C-60	60 Min.	\$2.01	\$1.61	\$1.41
6470	PRO-C-90	90 Min.	\$2.49	\$2.09	\$1.79
6475	PRO-C-120	120 Min.	\$3.90	\$3.50	\$3.20

## SPECIAL PURPOSE CASSETTES

The L.E.L. SP Line of cassettes are made for the broadcast sales force where long playing times are not required. These highest quality cassettes work in any standard cassette machine. All come complete with individual plastic box and white labels.

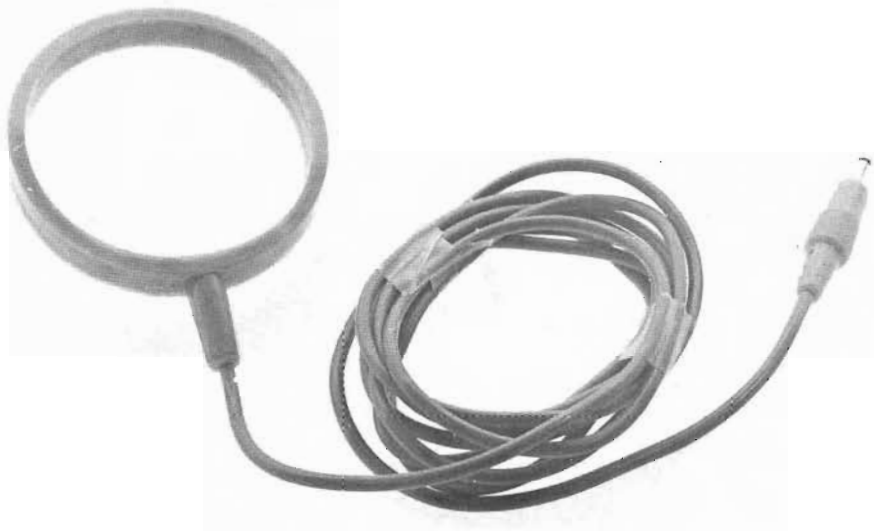
*All come complete with individual  
plastic box and white label.  
IF BOX AND LABEL NOT REQUIRED,  
PLEASE SPECIFY.*

ORDER #	CASSETTE DESCRIPTION	TAPE TIME	BROADCAST NET		
			(1-11)	(12-49)	(50+)
6565	SP-C-3	3 Min.	\$ .89	\$ .85	\$ .79
6570	SP-C-5	5 Min.	\$ .99	\$ .95	\$ .89
6575	SP-C-10	10 Min.	\$1.09	\$1.05	\$ .99
6580	SP-C-15	15 Min.	\$1.19	\$1.15	\$1.09

**CALL US FOR ANY LENGTH CASSETTE**

**CASSETTE  
SPlicing TABS 100  
ORDER #2060 . . . \$4.00**

# CASSETTE ACCESSORIES



## PL-10 PHONE LOOP

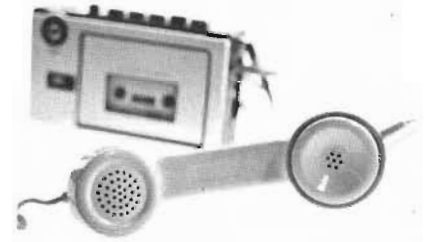
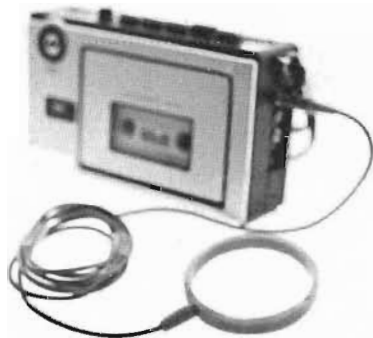
**IT'S SIMPLE:**  
Record and Playback  
through any  
telephone earpiece.

ORDER #6446 . . . \$11.80

1. Just plug the phone loop into the microphone input of a cassette machine.

2. Slip the ring over the telephone earpiece.

3. Punch the record button, and you are in business.



**To play it back over the phone — just plug it into the output of the cassette machine and push the button — it couples right into the earphone . . . works better than the phone receiver!**

## MULTI-LINE TELEPHONE SELECTOR

This is a versatile product allowing the user of auxiliary telephone equipment such as: extensions, automatic dialers, recorders, answering devices, or wireless phones, to switch to any one of 5 existing telephone lines. The line it is switched to is not affected at all and operates normally, giving user option of two phones on one line.



**NEW**

**\$28.50**

## CASSETTE STORAGE BOXES

Package of 12

ORDER #CSB-12

\$2.70



## CASSETTE LABELS

ORDER #6265

\$.05 Each



# STUDIO ACCESSORIES

## ON AIR LIGHTS



ORDER #6391 . . . \$47.00



ORDER #6392 . . . \$47.00

### . . . CUSTOM FACES . . .

Beautiful 1½" tall raised call letters will remind those confused jocks which station they're at! Great promotional item installed on remotes, especially with a flasher in it.

#### DIMENSIONS

Length: 7¾"      Width: 5½"  
Height: 4" (out from wall)

*The "CLASS" Way Of Telling  
People To Stay Out While  
The Mike Is Open!*



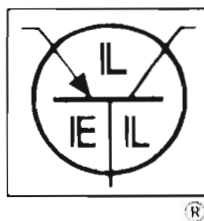
LOV-8

ORDER #6380 . . . \$42.00



LRV-8

ORDER #6390 . . . \$42.00



®



LOH-8

ORDER #6375 . . . \$42.00

**BULB FLASHER**  
ORDER #6366 . . . \$2.25

**RED BULB**  
ORDER #2025 . . . \$3.68



LRH-8

ORDER #6385 . . . \$42.00

# STUDIO ACCESSORIES

**Littlite.**

## NEW! INCREDIBLE! MOUNTS ANYWHERE!



The new Littlite™ high intensity lamp is here! The perfect gooseneck lamp for your desk, stereo, headboard, van, keyboard . . . wherever you need light. These slim, unobtrusive lamps, with their high-tech appearance, look good anywhere!

L-3s are available in 12" length and use an efficient quartz halogen bulb to produce a crisp, "white" light. You can dial up just the right amount of light with the dimmer control on the base and the thin flexible gooseneck let's you shine the light on the job and not in your eyes. A special slot is provided in the hood, should you wish to insert a color or diffusion filter.

An assortment of mounting accessories is also available, so you can easily mount your Littlite high intensity lamp anywhere you need it.

Littlites are in use in professional applications around the world in theaters, hospitals, restaurants, studios, and laboratories; wherever a small, dependable light source is required. Where do you need a Littlite?

ORDER #6676 . . . \$39.95

### LITTLITE L-3/12 Kit Includes:

One Base/Dimmer/Socket/Cord assembly; One Lamp with bulb and plug; One Wall plug transformer; One pc Adhesive foam tape; Two #6 x 1/2" screws; Two Storage clips with #4 screws. Also Available in 18".

### — MOUNTING ACCESSORIES —

- WEIGHTED BASE (WB) . . . . . ORDER #6685 . . . \$6.00
- PLASTIC SNAP MOUNT (SM) . . . . . ORDER #6695 . . . \$2.00
- ADJUSTABLE MOUNTING CLIP (CL) . . . . . ORDER #6690 . . . \$4.00

### MINI REPLACEMENT

ORDER #6683 . . . \$1.00

### QUARTZ REPLACEMENT

ORDER #6677 . . . \$6.50

**POWER SUPPLY (WFX)** — Wall plug-in type 12 volt, 930MA maximum AC output, powers up to four Littlites. Observe polarity when wiring more than one lamp. Consult wiring diagram before powering lamp. (WFX) Power Supplies are designed to prevent the introduction of hum into audio equipment.

ORDER #6680 . . . \$10.00

 Mini Replacement  
#6683 \$1.00

 QUARTZ REPLACEMENT  
#6677 \$6.50



## FIDELIPAC STUDIO ON-AIR LIGHT



DIMENSIONS:  
5" high; 10" long; 2 1/2" deep.  
127mm x 254mm x 63mm  
Lettering: 2 1/2" high.

Uses two 7C7 or 6S6 lamps (two furnished).

ORDER #7325 . . . \$48.90

## COPY HOLDER

*Made of  
Genuine  
Mahogany*

HEIGHT: 11"  
DEPTH: 11"  
WIDTH: 12"

### CH-1000 COPY HOLDER

ORDER #6288 . . . \$39.95



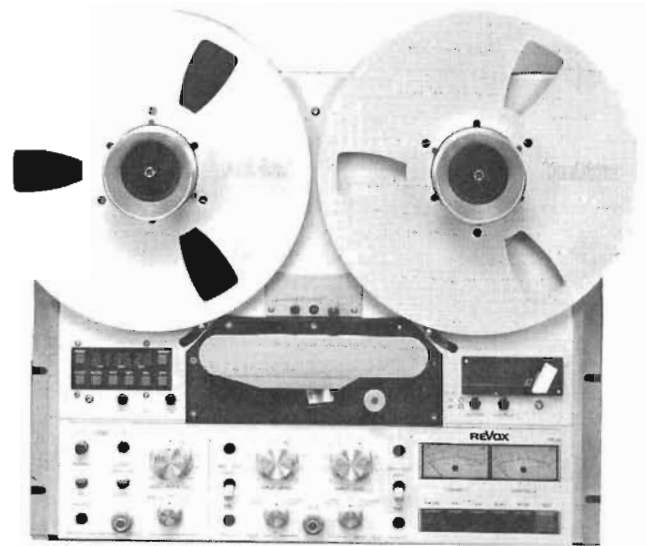
# REEL TO REEL RECORDERS

**Revox**

CALL FOR PRICING 1-800-327-3793 or 305-764-7755

**B77**

**PR99 MKII**



- Integrated Drive Logic • Cutter Device To Facilitate Tape Editing
- Operation By Computer-Type Pushpoint Keys

**TRUE PROFESSIONAL MACHINE**

AVAILABLE 7½ + 15 IPS

BALANCED XLR CONNECTORS 3¾ + 7½ IPS

**Technics**  
*Professional Series*

**RS-1500US**  
Isolated Loop,  
Quartz Controlled  
Open Reel Tape Decks.

2-track 2-channel record/playback and  
4-track 2-channel playback with 3 speeds

**ASC**  
electronic

Consider these features:

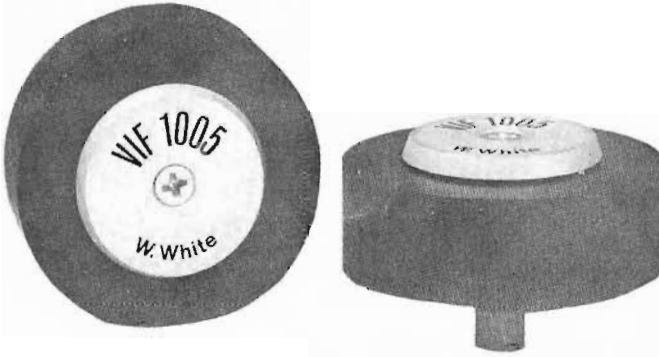
- 3 head on/off monitoring
- 4 head positions
- electronic braking system
- cue function
- Three tape speeds
- 3-motor drive
- Opto-electronic tape tension regulator
- Frequency and level-adjusted peak indicators
- Built-in mixing facility
- Headphone output with separate volume control
- Extensive line of options and accessories



# REEL TO REEL ACCESSORIES

## VIF 1005

Self-Aligning Capstan Idler Assembly

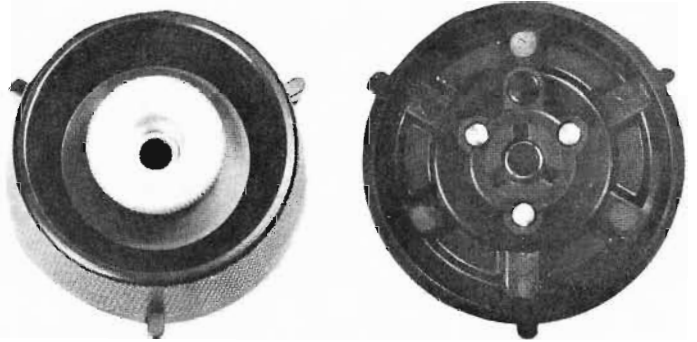


AMPEX REPLACEMENT ROLLER

ORDER #9900 . . . \$42.90 Each

## VIF NAB HUB ADAPTER

Universal — Fits Most Professional Machines



ORDER #9905 . . . \$36.00 Pair

## NAB HUB ADAPTERS

FOR REVOX ONLY  
PRO-2 ADAPTERS



ORDER #8250 . . . \$38.00 Pair

## INSTRUMENT SCALE

MEASURE:

REEL-TO-REEL  
BRAKE TENSION

PINCH ROLLER TENSION

CART MACHINE TENSION

**WORKS VERTICAL  
OR HORIZONTAL!**



MAKE-MODEL	SUPPLY	TAKE-UP	CAPSTAN	BRAKE
SCULLY 270	6-8 oz.	6.5-7.5	4 lbs.	6
SCULLY 280	5-7 oz.	6-7	4 lbs.	5½-6¼
AMPEX 350-351	5-6½ oz.	5-6½ oz.	5 lbs.	12-17 oz.
AMPEX 440	5-6 oz.	5-6 oz.	6 lbs.	15-17 oz.

**IN-6**

**6 LB. SCALE**

ORDER #1910 . . . \$40.00

**IN-4**

**4 LB. SCALE**

ORDER #1905 . . . \$30.00

**IN-2**

**2 LB. SCALE**

ORDER #1900 . . . \$30.00

**CALL FOR OTHER SIZES**



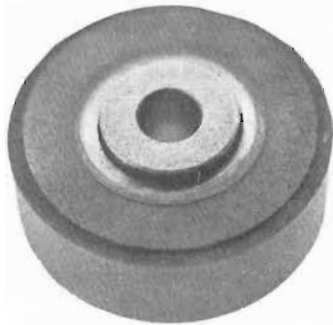
# REEL TO REEL PARTS

## REVOX

## A77 & B77



HEAVY DUTY PRESSURE ROLLER



ORDER #8275 . . . \$13.50

REMOTE PLUG



ORDER #8325 . . . \$6.25

BRAKE BANDS



ORDER #8335 . . . \$9.75 Each



PILOT & METER  
ORDER #8260 . . . \$3.00

PHOTO ELECTRIC  
ORDER #8265 . . . \$3.00



B77 SERVICE MANUAL  
ORDER #8301 . . . \$36.00

A77 SERVICE MANUAL  
ORDER #8300 . . . \$36.00

**CALL US FOR  
ANY REVOX PARTS!**  
Please Specify  
**REVOX Part Number.**

V.U. METER



ORDER #8360 . . . \$32.00

FUNCTION KNOB



ORDER #8277 . . . \$6.20

PHOTO ELECTRIC



ORDER #8255 . . . \$15.75



1 AMP  
ORDER #8376 . . . \$1.10  
2 AMP  
ORDER #8372 . . . \$1.10

Order #	Description	Price
8365	A77-B77 2 TRACK PLAY HEAD . . . . .	\$89.95
8370	A77-B77 2 TRACK RECORD HEAD . . . . .	89.95
8274	B77 RECORD SWITCH . . . . .	9.95
8371	COUNTER BELT . . . . .	3.55
8375	COMPRESSION SPRING . . . . .	1.05
8385	COUNTER ASSEMBLY . . . . .	31.00
8272	3 PRONG SHAFT . . . . .	1.25
8285	SHOULDER SCREW . . . . .	1.50

# REMOTE BROADCASTING EQUIPMENT

## MICRO-TRAK



### SHOWN WITH TELEPHONE DIAL OPTION

- Talkback for set up • Built in AC supply • Low cost batteries
- Telephone dial option • Three headphone outputs

### SPORT III WITH DIAL

ORDER #3085 . . . \$649.50

### SPORT IV WITH DIAL

ORDER #3086 . . . \$799.40

## MAXI-TEL



ORDER #3020  
\$825.00

### Specifications —

#### INPUTS

- MICROPHONES: Four; Channel 4 is selectable to cue position so a spotter can feed the other 3 headsets or go on air through the amplifier.
- TAPE: Four; two miniature jacks (for cassette recorder/players) and two standard 1/4" phone jacks (for cart decks, R-R tape transports, PA input, etc.) Channel 4 input is selectable to program buss or headphone amplifier for cueing.
- EXTERNAL MONITOR: One miniature jack for input of off air monitor radio.

#### OUTPUTS

- PROGRAM: Balanced; hybrid transformer for direct connection to standard telephone line or leased line. Modular cord furnished, plus two 5-way binding posts for connection to hard line.
- HEADPHONE JACKS: Four; will drive any impedance from 4 ohms and up. (A full watt of headphone power available to overcome crowd noises.)

#### RECORD OUTPUT

- Standard miniature jack, low impedance mike level output.

## MODEL TFX-31C



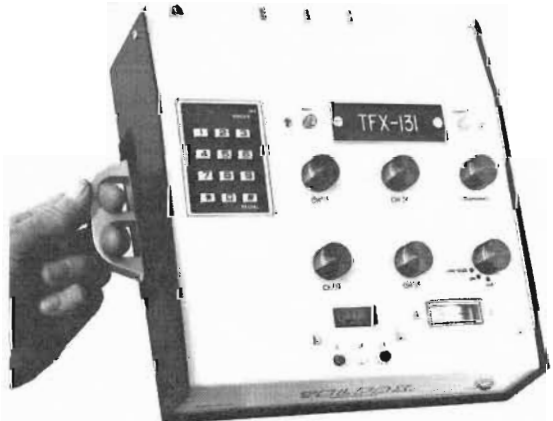
### Specifications —

- Microphone Inputs: Three @ 150 ohms impedance unbalanced • Auxiliary Input: One @ 8 ohms impedance unbalanced (loading resistor may be changed to any value desired) • Auxiliary Output: .7V (RMS) into 10,000 ohms unbalanced • Phone Line Feed: -6 dBm into standard dial line @ 600 ohms balanced, +4 dBm into direct loop (level is switch selectable) • Frequency Response: ±3 dB, 90 to 15 kHz into a resistive load • Distortion: 1% or less at operating levels (+14 dBm output before clipping) • Headphone Output: Two @ 200 ohms or higher. Switchable input provided for radio monitor. • Headphone Noise Cancelling: up to 14 dB noise reduction in headphones (switchable) • Power Requirements: 20 Volts AC @ .51 AMP (120 VAC/60 Hz wall transformer provided for AC operation and battery charging.) • Internal Bi-Polar Battery Pack: 12 long life Ni-Cad batteries (1.2 V @ 450 mAh each), quick charge in seven hours. • Dimensions: 4.5"H x 6.25"W x 6.5"D, 4 lbs.

ORDER #9644 . . . \$595.00

# TELFAX

## MODEL TFX-131A



### JUST OFF THE DRAWING BOARD

From Telfax, manufacturers of the most widely used miniature phone remote units in North America, comes a revolutionary new unit for the professional broadcaster . . . The TFX-131. More features . . . like push-button dialing with memory redial, LCD Clock/stopwatch timer, four microphone inputs, two auxiliary inputs, tone oscillator, closed circuit spotter channel, instant compatibility with Low Frequency Extenders and other external audio processors, custom engraved call letter nameplate, modular phone line connectors, and much more. Even with all these new features, the TFX-131 control panel is uncluttered, with seldom used controls hidden behind the easily removed access/nameplate cover. It makes remote broadcasting easier than ever! Superior audio quality, miniature size, and loaded with features.

ORDER #9646 . . . \$795.00

# POWER AMPS



## D-75 POWER AMPLIFIER

The CROWN D-75 power amplifier, requiring only 1 3/4" (4.45cm) of vertical rack space, was designed to operate safely and continuously into a variance of load requirements. The D-75 provides 35 watts per channel minimum RMS (both channels operating) into an 8 ohm load over a bandwidth of 20 Hz - 20 kHz at a rated sum total harmonic distortion that is 0.05% of the fundamental output voltage. The frequency response of the unit varies no more than ±0.1 dB from 20 Hz - 20 kHz at 1 watt into 8 ohms. Features of the D-75 include active balanced inputs, XLR connectors, an easily accessible mono-stereo switch, and front panel LEDs indicating overloads and signal presence. A special feature of the D-75 is the provision for isolating chassis ground from electrical ground. The D-75 offers traditional Crown durability and a full 3 year warranty.



\$499.00

## D-150A SERIES II Power Amplifier

## DC-300A SERIES II Power Amplifier



Retaining the D-150A's tradition for sonic accuracy and reliability, the restyled Crown D-150A Series II is rated at 125 watts per channel into 4 ohms (250 watts into 8 ohms mono).

**Harmonic Distortion:**  
Less than 0.001%

**Frequency Response:**  
±0.1 dB DC - 20 kHz at 1 watt into 8 ohms;  
±1 dB DC - 100 kHz.

**I.M. Distortion:**  
Less than 0.01

**Slewing Rate:**  
6 volts per microsecond

\$729.00

Products, like people, can grow — improve — change — develop, under the proper care.

The Crown DC-300A Series II audio power amplifier is the current result of such a caring process.

It has been — and is — improved. Improved in convenience and reliability.

Since its introduction in 1967, the DC-300 and its modifications have been a standard of sonic accuracy, power and reliability. It is FTC rated at 250 watts per channel into 4 ohms; 500 watts into 8 ohms mono.

It has created its own legends of stamina and ruggedness unique to the world of audio reinforcement and recording systems.

It is not the kind of product that is easily replaced.

So Crown decided to keep it available, in this improved version.

The DC-300A Series II looks different from the front, with a scratch-resistant, baked enamel front panel, a new power switch, and relocated level controls.

It is generally regarded as the most reliable amplifier ever built.

\$1,149.00

# DIGITAL DELAY



The EFFECTRON™ II features the finest and most natural sounding digital effects available today, at unheard of prices. Another technological breakthrough unmatched by anyone! At last . . . you can afford to own a high performance digital delay.



ADM-64 . . . \$299.00

This unit is unique to the digital delay industry. The ADM-64 provides a full three octaves of flanging (8 to 1 flange ratio), making it the widest range digital flanger manufactured. This alone makes it the best digital flanger available. However, the ADM-64 also includes an internal envelope follower that provides incredible flanging effects. As such, the EFFECTRON II is also the most versatile Flanger/Doubler in the marketplace today.

Doubling and short echoes are other features of the ADM-64. At this setting you have a range from 16ms to 64ms allowing you the freedom to create various multitrack effects.



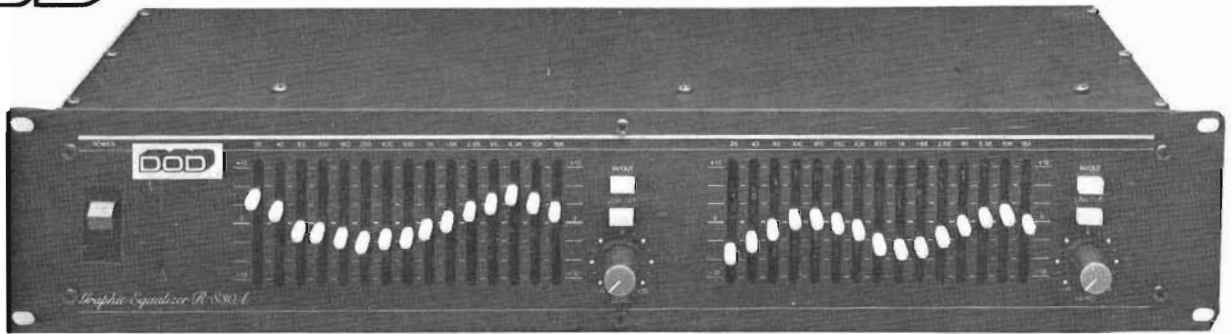
ADM-256 . . . \$399.00



ADM-1024 . . . \$499.00

These units feature all the popular special effects used by today's musicians and studios. The ADM-256 offers from 0.25ms to 256ms of delay and the ADM-1024 offers from 0.25ms to 1024ms of delay, both with no signal degradation at all settings.

# GRAPHIC EQUALIZERS & REVERB



**MODEL R-815B**  
FIFTEEN BAND EQ  
ORDER #2026 . . . \$219.95

**Specifications —**

**Intermodulation distortion:** Less than 0.01%  
**Signal to noise ratio:** Greater than 90 dB  
**Maximum input level:** + 20 dBm  
**Maximum output level:** — *Balanced 20 dBm*  
**Input impedance:** — *Balanced 80K ohms*  
**Output impedance:** — *Balanced 940 ohms*  
**EQ control range:** ± 12 dB

**MODEL R-830B**  
STEREO FIFTEEN BAND EQ  
ORDER #2027 . . . \$319.95

**Specifications —**

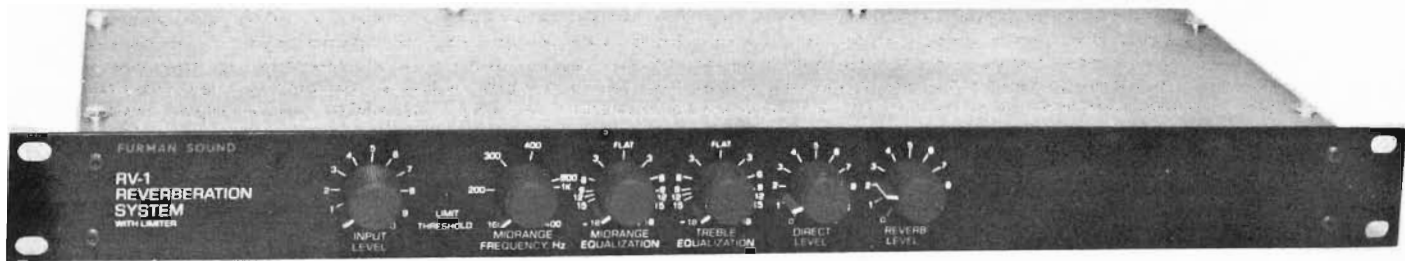
**Intermodulation distortion:** Less than 0.01%  
**Signal to noise ratio:** Greater than 95 dB  
**Maximum input level:** + 20 dBm  
**Maximum output level:** — *Balanced 20 dBm*  
**Input impedance:** — *Balanced 80K ohms*  
**Output impedance:** — *Balanced 940 ohms*  
**EQ control range:** ± 12 dB

**MODEL R-831B**  
THIRTY-ONE BAND EQ  
ORDER #2028 . . . \$349.95

**Specifications —**

**Intermodulation distortion:** Less than 0.01%  
**Signal to noise ratio:** Greater than 90 dB  
**Maximum input level:** + 20 dBm  
**Maximum output level:** — *Balanced 20 dBm*  
**Input impedance:** — *Balanced 80K ohms*  
**Output impedance:** — *Balanced 1360 ohms*  
**EQ control range:** ± 12 dB

## FURMAN SOUND REVERBERATION SYSTEM WITH LIMITER AND EQUALIZATION MODEL RVB-1

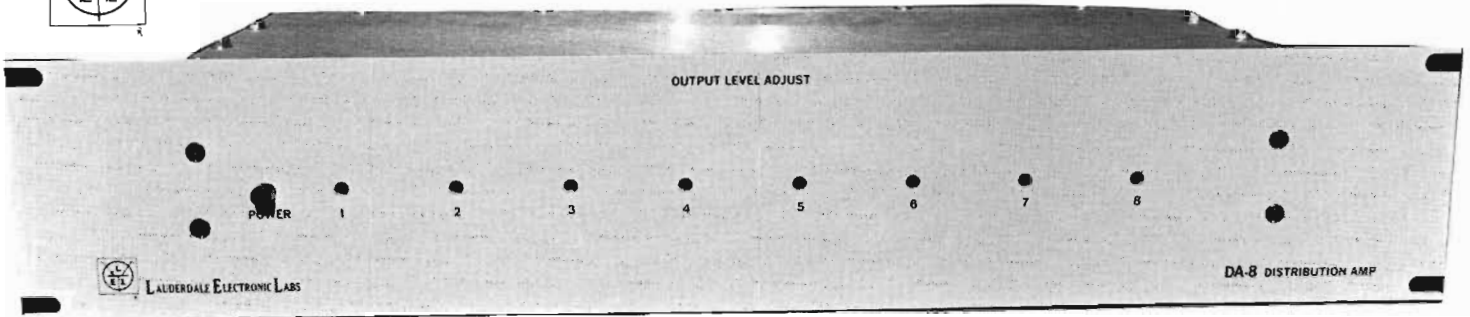


**Specifications —**

- Input: 33K ohms balanced. Recommended input level — 10 to + 4 dBm.
- Output: 47 ohms balanced, with maximum output level of 8.3 Vrms (+ 21 dBm).
- Frequency Response: 45 Hz to 7 kHz, with many closely spaced peaks and dips.
- Decay Time: 1.8 seconds, with 30 to 40 millisecond initial delay.
- Equalization: Up to plus or minus 18 dB.
- Midrange Frequency Range: 160 Hz to 1400 Hz.
- Treble Shelving Response: Effect begins at 2.5 kHz and reaches maximum boost or cut at 10 kHz.
- Limiter Compression Ratio: Greater than 10:1.
- Limit Threshold Light: Flashes green when gain reduction begins.
- Signal to Noise Ratio: 74 dB, A weighted noise, equalization set flat.
- Construction: Steel chassis, 1/8" aluminum front panel.
- Dimensions: 1 3/4" h x 19" W x 8" D, mounts in standard 19" rack enclosure.
- Weight: 5 lbs.
- Power Requirement: 4 watts. Available in 115 VAC, 60 Hz or 230 VAC, 50-60 Hz versions.

ORDER #2131 . . . \$299.00

# DISTRIBUTION AMPLIFIER



The LAUDERDALE ELECTRONIC LABS DA-8 DISTRIBUTION AMPLIFIER can be used as a 1 in 8 out mono, or a 2 in 4 out stereo unit. The DA-8 uses integrated Circuit Operational Amplifiers to provide a high level of performance that was previously unobtainable with discrete components. The input and output stages use the operational amplifier to provide a Balanced Transformerless Input, and a Balanced Transformerless Output. These Op-Amps provide a high degree of reliability, ultra low distortion, excellent frequency response, and low noise operation.

## SPECIFICATIONS:

Input Level _____	As shipped - 30 dB. — 0 db. Can be Strapped - 10 dB. — + 10 dB.
Input Impedance _____	20K Balanced Bridging 600 ohm Resistor Across Terms 1 & 2 makes input 600 ohm.
Signal to Noise Ratio _____	80 dB.
Distortion _____	.05% THD 20 — 20 kHz @ + 12 output.
Frequency Response _____	20 — 10 kHz ± .5 dB.
Output Level _____	8 Channels Individually Adjustable up to + 22 dB.
Output Impedance _____	200 ohm will drive all loads greater than 200 ohm.



## PROFESSIONAL SERIES

DA-8 DISTRIBUTION AMPLIFIER

ORDER #6292 . . . \$298.00

**CALL FOR FAST  
SERVICE**

**CUST. OUT OF STATE**

**1-800-327-3793**

**FLA. CUSTOMERS**

**1-800-432-1258**

# MONITORAMP & MIXERS

## MICRO-TRAK MONITOR POWER AMPLIFIER

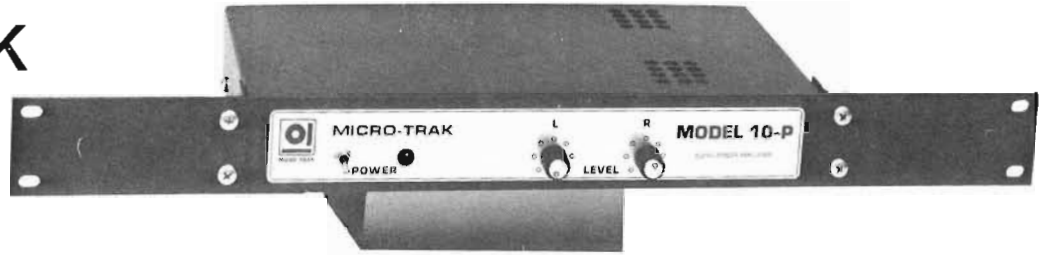
Ten Watts per Channel  
Stereo  
Stand Alone or  
Panel Mount

**10P**

STAND ALONE . . . \$199.50

PANEL MOUNT . . . \$229.50

(Pictured)



- ★ TEN WATTS PER CHANNEL — STEREO ★
- ★ STAND ALONE — 19 INCH PANEL MOUNT ★
- ★ OPTION FOR D SYSTEM-DITTY DESK ★
- ★ LOW DISTORTION — CLEAN CRISP SOUND ★
- ★ USE FOR GENERAL PURPOSE AMP ★
- ★ FITS ANYWHERE ★

## DUAL BUSS BROADCAST CONSOLE

Stereo or Monaural  
5 Channel  
Rotary Faders

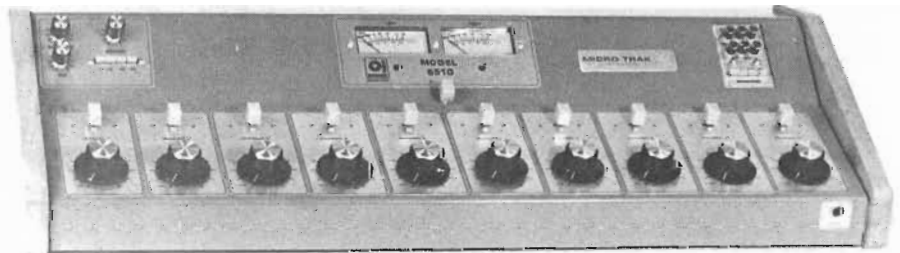
**MODEL 6509**

- ★ FIVE CHANNELS — NINE INPUTS • LOW COST — HIGH PERFORMANCE ★ PROVEN VCA TECHNOLOGY ★
- ★ ROTARY FADERS — RUGGEDIZED ★ PLUG-IN PARTS — EASY MAINTENANCE ★

## DUAL BUSS BROADCAST CONSOLE

Stereo or Monaural  
10 Channel  
Rotary Faders

**MODEL 6510**



- ★ TEN CHANNELS — FOURTEEN INPUTS ★
- ★ LOW COST — HIGH PERFORMANCE ★
- ★ PROVEN VCA TECHNOLOGY ★
- ★ ROTARY FADERS — RUGGEDIZED ★
- ★ PLUG-IN PARTS — EASY MAINTENANCE ★

PLEASE CALL FOR CURRENT PRICE — 1-800-327-3793 — 305-764-7755

# MONITORAMP & MIXERS

## RUSSCO

### STUDIO/MASTER 505



- MODEL 505 DESK TOP CONSOLE
  - MODEL 505-R RACK MOUNT CONSOLE
  - MODEL 505-S DESK TOP CONSOLE
  - MODEL 505-SR STEREO RACK MOUNT CONSOLE
- MA-225 25 WATT PER CHANNEL AMPLIFIER FOR 505-S

CALL FOR CURRENT PRICE.



Now RUSSCO brings you the MA220 Stereo Monitor Amplifier with special features that highlight broadcaster convenience and versatility in a trim package that's moderate in price and maximum in quality. The MA220 gives you separate level and tone controls for each channel. This special feature allows you to route 2 mono programs through the amplifier and still have total and separate control over each channel. This little 20 watt dandy works great as a high-powered head-set amp or as a moderate power speaker amplifier. It's a handsome desk-top unit or may be rack mounted with an optional kit. Of course it's RUSSCO RUGGED with state-of-the-art technology even at its bargain price.

MA220 . . . \$289.00



Now here's a dandy 4 channel audio mixer that's small (smaller than a breadbox!), lightweight (5½ lbs.), versatile and easy to use. We call it the 421 MINI-MIXER because it's portability makes it a sure winner for remote work. It's an ideal mixer for home recording. 4 inputs give you 1 channel for a mono mike, 2 stereo phono channels and 1 hi-level input for tape. Hi-level headphone cueing is easy because the headphone audio automatically switches from program to cue when you turn the pots to cue position! The 421 MINI-MIXER has 3 band audio equalization on the front panel. It also features two LED overload indicator lights. The 3½" "easy-read" lighted VU meter is switchable from right to left channel or reads the sum of both channels in center position. This mixer was designed with the operator in mind. Simple to use with its sloping front panel. Simple to carry with 4 "set-down" cushioned legs and handle. The 421 is RUSSCO-RUGGED, solid-state RELIABLE. When you hear the economical low price, you'll have to agree . . . RUSSCO has done it again! \$855.00

MODEL T-411 — RUSSCO's New Remote Mixer . . . \$729.00  
Dial up your remote over a standard dial telephone line.

MODEL T-112 — Telephone to Studio Equalizer/Coupler —  
The perfect companion piece to the T-411 Tel-E-Mote improves the voice line. May be rack mounted . . . \$368.00



The RUSSCO MLD/22, our new Multi-Purpose Preamp is really a workhorse! It was designed as a dual channel unit capable of driving a 600 ohm line to a maximum level of plus 18 dBm. Used as a line to line booster amplifier, hi impedance output equipment such as a tape recorder can be fed into this unit to feed a telephone line. The MLD/22 truly serves a lot of uses. It can be used as an unattended piece of remote equipment. It can be used as a stereo preamp. It can combine both mike or line channels into a single line out. The MLD/22 features gain levels that are adjustable. Use it for balanced or unbalanced operation. The MLD/22 is Self-Powered, RUSSCO Solid-State Rugged and Economical enough to order several!

MLD/22 . . . \$265.00

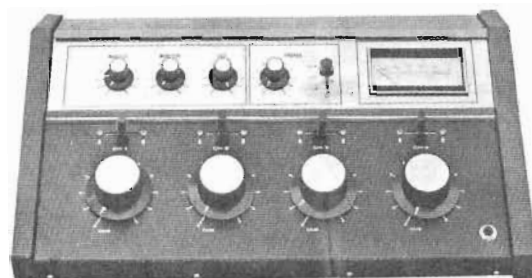


# MIXERS & CART MACHINES

*Spotmaster* <sup>(®)</sup>

**FEATURES:**

- Selectable Hi/Lo Sensitivity, All Channels
- Individual Monitor, Headphone and Cue Amplifiers
- Straightforward, Neat Installation
- Excellent for On-Air, Newsroom, Remote and Production Use

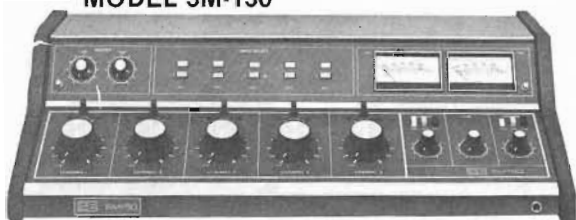


**5 & 8 MIXER, DUAL CHANNEL, MONO**

**4-Mixer, Mono  
MODEL 4M-50**

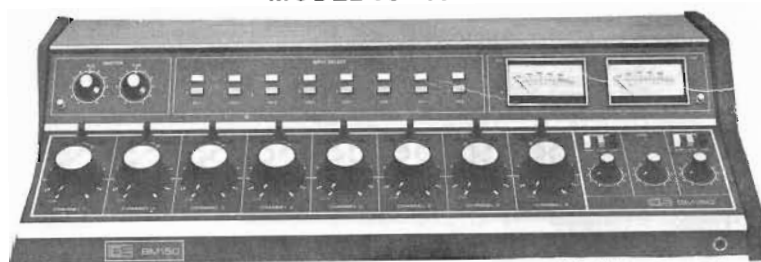
**4-Mixer, Stereo  
MODEL 4S-50**

**MODEL 5M-150**



**MODEL 8M-150**

**MODEL 5S-150**



**MODEL 8S-150**

**FEATURES:**

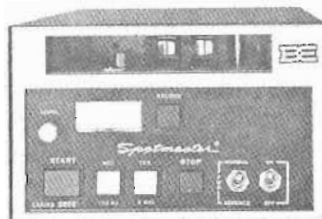
- Advanced FET Channel Switching • Modular Plug-In Electronics • Preset High/Low Input Sensitivity
- Modern, Functional Styling • Mono Mixdown and Dual Channel Options • High or Low Level Input
- 8 Watt Monitor Amp • Plug-In Amplifiers • Cue Switches, All Mixers

## TAPE CARTRIDGE MACHINES — Series 3000

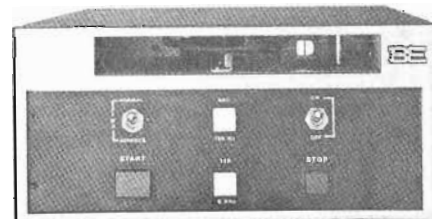
The 3000 Series is the new SPOTMASTER family of professional quality tape cartridge machines. Now in use worldwide, and proven and up-dated during continuous production, this family of equipment represents a new standard of excellence. Series 3000 machines offer numerous benefits: a wide selection of options and models; an inherently reliable electronic design which makes extensive use of solid-state and integrated circuit technology; the exclusive Phase Lok III head bracket; and a rugged mechanical design which is second to none.



*Model 3100 Slim Line — the space saver for A size cartridges. Available in mono and stereo playback. Three units mount side-by-side in a 19" rack adapter.*



*Model 3200 Compact — for A and B cartridges. Available in mono and stereo, record/playback and playback only. Two units mount side-by-side in a 19" rack adapter.*



*Model 3300 Standard — for A, B, and C cartridges. Available in mono and stereo, record/playback and playback only. A Model 3300 may be mounted side-by-side with a Model 3100 in a 19" rack adapter.*

RECORDING TAPE

**STANDARD  
CART TAPE**

**SEE PAGE 11  
FOR CART LUBE  
TAPE**

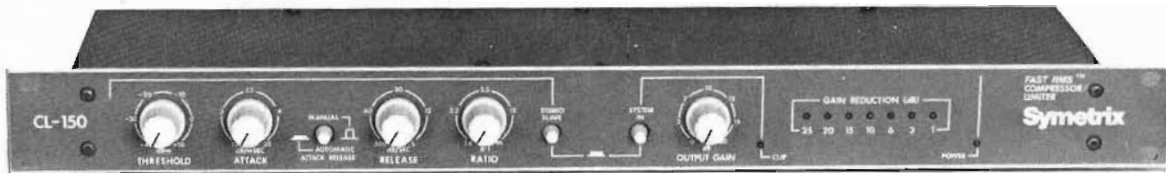
**OUT OF STATE  
1-800-327-3793**

**FLORIDA CUSTOMERS  
1-800-432-1258**

RECORDING TAPE

**HIGH OUTPUT  
CART TAPE**

## CL-150B COMPRESSOR/LIMITER

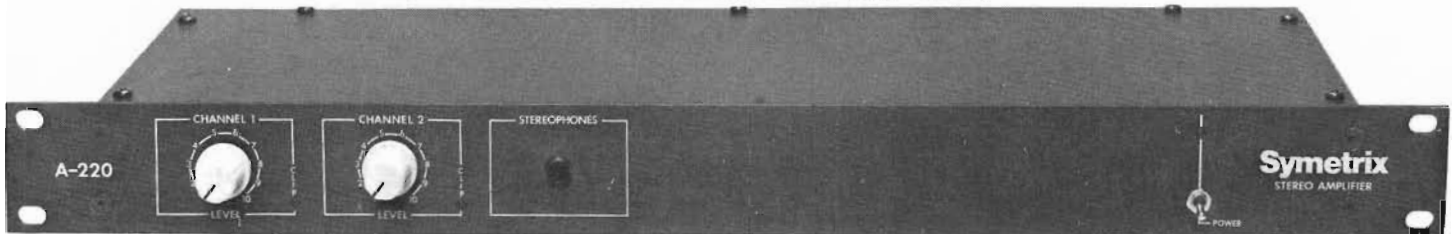


**SPECIFICATIONS**

ORDER #9440 . . . \$369.00

**Compression ratio:** variable from 1.4:1 to infinity:1. **Threshold:** variable from -40dBm to +10dBm. **Equivalent input noise:** unity gain, 20-20kHz bandwidth; -85.2 dBu (43 microvolts), 600 ohm source resistance. **Frequency response:** 20-20kHz, +0dB, -dB. **Maximum available gain reduction:** 60dB. **Manual attack time:** at full counterclockwise setting of control may be as fast as 120 dB/msec depending upon the nature of the program, otherwise control is variable from 12dB/msec to .25dB/msec. **Manual release time:** variable from 300dB/sec to 5dB/sec. **Automatic attack time:** program controlled, varies from 120dB/msec to slower times depending upon the nature of the program. **Automatic release time:** program controlled. **Variable controls:** threshold, attack time, release time, ratio, output gain. **Other controls:** automatic/manual attack release selector, stereo slave, system in/out. **Visual indicators:** 7 segment LED gain reduction display, accurate to within 5% of reading, clip LED, power-on LED. **Connectors:** 3 pin 'XLH' type for balanced signal input and output connections, 1/4" mono phone jack for unbalanced signal input and output, side-chain equalizer input and output, and a 1/4" stereo jack for stereo slave connection. **Distortion:** Not greater than .03% THD, 10dB gain reduction, 600 ohm load, 1kHz, 0dBm output level. Not greater than .09% THD, 10dB gain reduction, 600 ohm load, 20kHz, 0dBm output (all distortion components are primarily 2nd harmonic). **Maximum output level:** +20dBm into 600 ohms or greater, unbalanced. +26dBm into 600 ohms or greater, balanced. **Input impedance:** balanced input: 16.7k ohms; unbalanced input: 23.1k ohms; side-chain input: 9.1k ohms. **Minimum rated load impedance:** 600 ohms. **Output impedance:** all outputs: 100 ohms; the balanced output is of the active differential (transformerless) type. **Physical size:** 1 3/4" high, 19" wide, 5" deep; 4.45 x 48.3 x 12.7 cm. **Shipping weight:** 6 lbs.; 13.2kg. **Power requirements:** 60 Hz, 120 VAC, standard; 50 Hz, 240 VAC, upon request.

## A-220 STEREO AMPLIFIER



**SPECIFICATIONS:**

**Power output:** 20-20k Hz. **Stereo Mode:** both channels driven. 8 ohm load: 20 watts (13 dBW) per channel; 4 ohm load: 20 watts (13 dBW) per channel. **Mono bridge mode:** 8 ohm load, 40 watts (16 dBW) total. **Distortion and noise:** .08%, 20 Hz to 20k Hz, .02% @ 1k Hz (measured in an 80k Hz test bandwidth at rated power output). **Input Impedance:** 20k ohms (electronically balanced); 30k ohms (unbalanced). **Input Sensitivity for full output Stereo Mode:** 300 mV (-10.5 dBV). **Input Sensitivity for Mono Bridge Mode:** 185 mV (-14.7 dBV). **Signal to Noise Radio A-weighted Below 1 Watt:** 90 dB. **Signal to Noise Below Rated Output:** 103 dB. **Frequency Response 1 Watt Output:** +0, -1 dB from 10 Hz to 100k Hz. **Physical Size:** Standard 19" rack mount, 1.75" high, 8" deep (4.45 x 48.3 x 20.3 cm). **Shipping Weight:** 14 lbs. (30.8 kg). **Power Requirements:** 60 Hz, 117V, 50 watts. **Connectors Input:** 3 pin "XLR" type for connection to balanced sources, 1/4" phone jack for connection to unbalanced sources. **Connectors Output:** Dual banana jack (rear panel), Stereo phone jack (front panel).

ORDER #9443 . . . \$289.00

## MODEL TI-101 HYBRID TELEPHONE INTERFACE



**PRELIMINARY SPECIFICATIONS:**

**Input Port Impedance:** 16.7K ohms (electronically balanced). **Output Port Impedance:** 600 ohms (transformer balanced). **Telephone Port Impedance:** 680 ohms (transformer isolated). **Input and Output Level Range:** Back panel switchable between -10 dBm and +8 dBm. **Maximum Output Level:** +14 dBm. **Maximum Input Level:** +26 dBm. **Typical THD:** .1%.

ORDER #9444 . . . \$475.00

## AM & FM BROADCAST CONSOLES

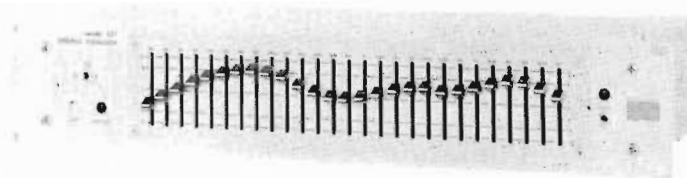


### MOD ONE

COMPLETE MODULAR CONSOLE

MODEL 110 MONO  
MODEL 210 STEREO

## 1/3 OCTAVE GRAPHIC EQUALIZER MODEL 537

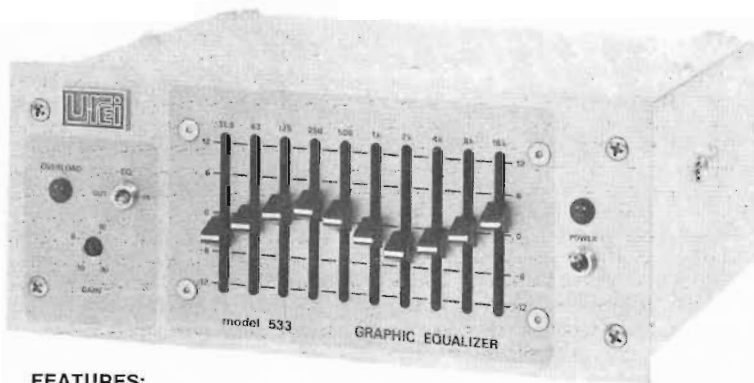


### FEATURES

- 27 adjustable equalizers on ISO 1/3-octave center frequencies
- 12 dB boost or 12 dB attenuation at each center frequency
- Stepless, noiseless controls, precision calibrated
- State-of-the-art active L-C filter circuitry
- Low distortion, lowest noise, minimum phase shift
- Zero insertion loss, up to 20 dB gain

\$896.00

## OCTAVE GRAPHIC EQUALIZER MODEL 533



### FEATURES:

- TEN equalizers on octave centers.
- Professional quality throughout.
- Balanced or unbalanced inputs and outputs.
- 115 or 230 VAC operation, 50/60 Hz.

ORDER #9708 . . . \$366.00

## COMPRESSOR/LIMITER MODEL LA-4



*The LA-4 Is The Successor  
To The Famous LA-3A.*

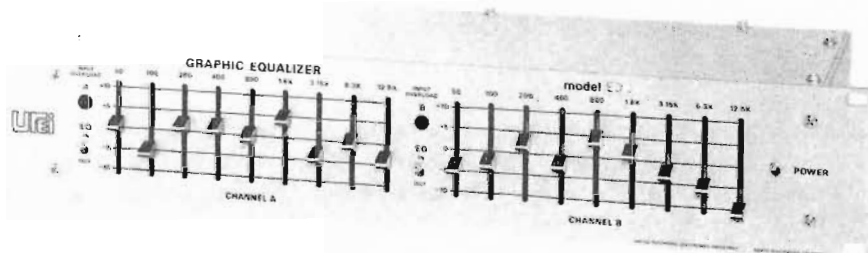
ORDER #9730 . . . \$489.00

## DUAL GRAPHIC EQUALIZER MODEL 535

### FEATURES:

- Two Channels in one compact package
- Nine equalizers per channel.
- Professional quality throughout.
- Balanced or unbalanced inputs and outputs.
- 115 or 230 VAC operation, 50/60 Hz.

ORDER #9705 . . . \$489.00

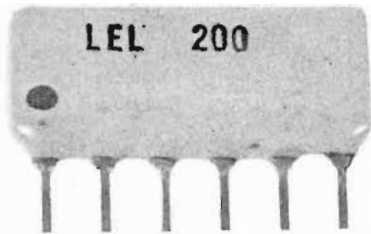


# IMPEDANCE MATCHING & SPLITTERS

## SPLITTER/COMBINER

IT'S EASY!

Mono Becomes Stereo — or — Stereo Becomes Mono



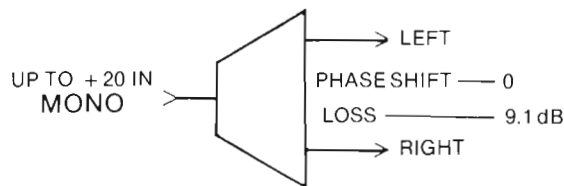
DOUBLE DIPPED IN HIGH DENSITY CERAMIC FOR THE BEST POSSIBLE RF PROTECTION! MOUNTS IN 1/2 OF STANDARD IC SOCKET.



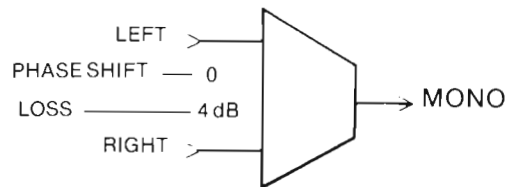
NEW EASY MOUNT VERSION!  
WITH PRINTED CIRCUIT BOARD  
AND STAND OFF!

### WHAT CAN THE L.E.L. 200 SPLITTER/COMBINER DO FOR YOU?

#### USED AS A SPLITTER



#### USED AS A COMBINER



FREQUENCY RESPONSE: 10 Hz — 15 kHz  $\pm 1$  dB • IMPEDANCE: 600 ohm in & out  
THD: Unmeasurable • IM DISTORTION (with 60 & 7000 mixed 4:1):  $-.01\%$   
CONFIGURATION: Balanced In & Out • ISOLATION BETWEEN STEREO CHANNELS: 64 dB

#### L.E.L. 200 SPLITTER/COMBINER

FOR STANDARD SOCKET MOUNT

ORDER #6005  
1- 9 ... \$11.00  
10-49 ... \$10.00

It's easy to transmit a good stereo signal, but how does it sound in mono?

Now with the L.E.L. SPLITTER/COMBINER if your jock has stereo phones and mono control room monitor speaker he can tell if anything has gone sour.

- EXCELLENT for checking phase in stereo systems.
- MIX left & right to drive your AM transmitter without loss of separation on your stereo signal.
- BRIDGE left & right to drive your mono house monitor.
- FEED mono sources such as network, production rooms, news, etc. into left & right with NO phase shift. Can also be used to feed mono cart, cart machines, tape or telephone to a stereo board.

#### L.E.L. 200-B SPLITTER/COMBINER

With Easy Mount Printed Circuit Board  
And Stand Off

ORDER #6010  
1- 9 ... \$13.00  
10-49 ... \$12.00

50 or more — call for price.

## HI-FI HEADACHES?

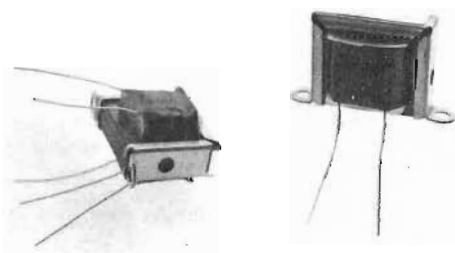


- Output adjustable to +4 or +8 dBm
- .008% distortion, 80 db S/N
- Perfect for new Digital Disc players!

Get THE MATCHBOX to painlessly interface Hi-Fi/Semi-Pro equipment with Studio gear. Active circuitry converts HI-Z inputs and outputs to BALANCED lines at STUDIO LEVEL.

ORDER #3040 ... \$195.00

## HIGH PERFORMANCE AUDIO TRANSFORMERS



10K/600 XFMR  
ORDER #6623  
\$14.35

T-600/600 XFMR  
ORDER #6622  
\$15.25

# WIRE & ACCESSORIES



Each inner conductor has 4U strands of small diameter (.00315") copper wire that provide maximum flexibility and avoid breakage.

"Star-Quad" configuration with 4 inner conductors provides a substantial improvement in rejection of EMI.

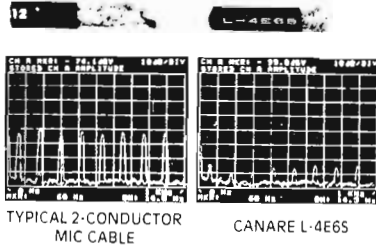
Polyethylene insulation is a better dielectric than rubber insulation, thereby reducing capacitive coupling for improved high frequency response.

Cotton filler acts as strain relief and also reduces handling noise by preventing changes in stray capacitance.

Very high density, braided shield blocks most static and other noise.

Tough yet very flexible jacket can be unpacked from extreme cold and used immediately. The brittle point is -56°F (-49°C).

Available with a satin finish in 10 attractive colors to aid channel identification and /dr to complement visual appearance. Fits standard XLR connectors.



**The difference is what you don't hear!**

ORDER #	ORDER #
9942 — Red	9946 — Yellow
9943 — Brown	9947 — Purple
9944 — Blue	9948 — Green
9945 — Orange	9949 — Grey

Ft.	Prof. Net.
100 .....	\$ 35.00
250 .....	80.00
500 .....	160.00
1000 .....	320.00

## 20 FT. PREWIRED MICROPHONE CABLES



MC-20F . . . ORDER #6430 . . . \$18.00

A super soft and flexible mike cable with standard 3 conductor male and female plugs attached.

**2 CONDUCTORS INDIVIDUALLY SHIELDED**

CONSTRUCTION DATA:

1. Conductor Size: 25 AWG (12 × 136) bare copper.
2. Conductor Insulation Material: color coded polyethylene (.055" O.D.)
3. Shield: (36 × 36) per individual conductor, bare copper served shield.
4. Outer Jacket: rubber-like PVC (.195 O.D.)
5. Capacitance: 120pF (conductors 1-3)
6. DC Resistance: 130 ohm/m (conductor 1), .020 ohm/m (conductor 3)

## MC-20R . . . ORDER #6431 . . . \$17.00

A rigid non-knotting cable with standard 3 conductor male and female plugs attached.

*We will custom make any length microphone cable on request.*

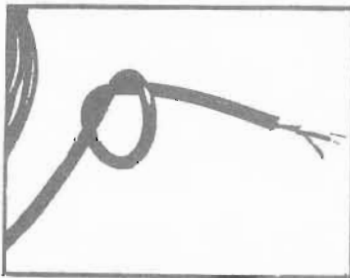
## LOW NOISE, SUPERFLEXIBLE MOGAMI MICROPHONE CABLE

**2 Conductors Individually Shielded**

CONSTRUCTION DATA:

1. Conductor Size: 25 AWG (12 × 36) bare copper.
2. Conductor Insulation Material: color coded polyethylene (.055" O.D.)
3. Shield: (36 × 36) per individual conductor, bare copper served shield.
4. Outer Jacket: rubber-like PVC (.195 O.D.)
5. Capacitance: 120pF (conductors 1-3)
6. DC Resistance: 130 ohm/m (conductor 1), .020 ohm/m (conductor 3).

650 Ft. — ORDER #9940 . . . \$170.00  
 Per Foot — ORDER #9941 . . . \$ .29  
 SPEAKER WIRE — 104 2 Cond. 1000 Ft.  
 ORDER #9916 . . . \$61.20



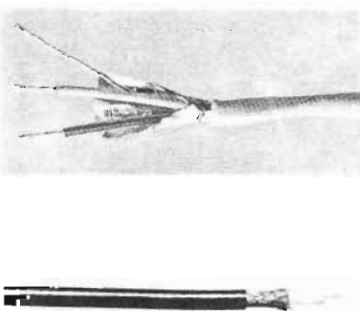
**3 CONTACT MALE MICROPHONE PLUG**  
 3MC  
 ORDER #1002 . . . \$3.90

**3 CONTACT FEMALE MICROPHONE PLUG**  
 3FC  
 ORDER #1001 . . . \$3.90

## WIRE AND AUDIO CABLE

WEST PENN • EXACT BELDEN EQUIVALENT

*We Carry All The Popular Types — Here Is A Sample Of The Savings*



ORDER #	WIRE SIZE DESCRIPTION	PRICE		
		1000'	500'	100'
9920	#450 — 22 Awg, Solid, 2 Cond. Drain wire with BeldFoil Shield	\$80.00	\$45.00	\$10.00
9925	#451 — 22 Awg, Solid, 3 Cond. Drain wire with BeldFoil Shield	\$90.00	\$50.00	\$11.00
9930	#452 — 22 Awg, Stranded, 2 Cond. Drain wire with BeldFoil Shield	\$89.50	\$49.50	\$10.90
★	#291 — 22 Awg, Stranded, 2 Cond. Drain wire with BeldFoil Shield	\$75.50 Per 1000 Ft.		

ORDER #9931 Grey • #9932 Blue • #9933 Black • #9935 Red

# WIRE & ACCESSORIES

## TWEEK.™



Tweek™ is a nonconductive fluid that increases conductivity on a molecular level when applied as a thin coating. A smooth, shiny, metal surface, when highly magnified, looks like a photo of the Grand Canyon. When two of these surfaces are brought together, contact is actually made over a very small percentage of the total surface area and resistance increases. By filling in the microscopic gaps in a metal-to-metal contact, Tweek™ effectively multiplies the apparent contact area and radically decreases contact resistance. Each applicator syringe of Tweek™ contains 0.5cc fluid (about enough to treat five complete audio systems).

\$15.00 ea.

## CABLE TESTER K-CHECK



Plug cable to be tested into K-Check and then touch all contacts (free wires) at the other end, including connector housings, with the test finger one after the other. The lighting up LEDs show you which contacts are connected to the contacts of the K-Check. These are also indicated on its label.

ORDER #1003 . . . \$55.00

## UNBREAKABLE RETURN SPRING CUTTING EDGES HONES ON BOTH SIDES

Superior Cutting Edge, unbreakable return spring, thicker insulation, narrower snipping nose — gets into hard to reach spots and gives you a cleaner, closer cut. All this for less money.

ORDER #5501 . . . \$7.00



YOU HAVE TO  
USE IT TO  
BELIEVE IT.  
WE DO . . .  
AND WE  
BELIEVE IT!

**\$11.95**

10 OZ.

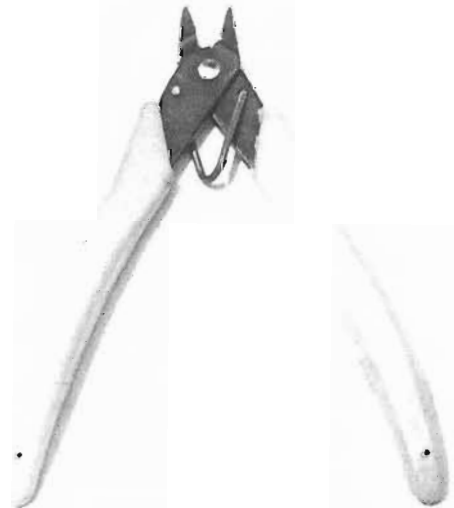
NON CONDUCTIVE

ORDER #2180

## SPIRAL CUT LOOM

Spiral cut polyethylene tubing is used to hold bundles of wires together. It is also used to wrap tubing and control rods for protection from abrasion and for noise suppression. Spiral cut tubing has an elastic memory and tends to come back to and hold its original shape. It is easy to use and may be used many times. Use 3/4" O.D. Spiral Tubing to wrap diameters up to 3/8" to 1". Color natural.

Size	Part No.	Packaging	Weight	Price
1/4" OD	722	100' Spool	1 1/2 lb.	25.85
1/2" OD	726	100' Spool	5 lb.	36.00



## (NYLON) PLASTIC CABLE TIES

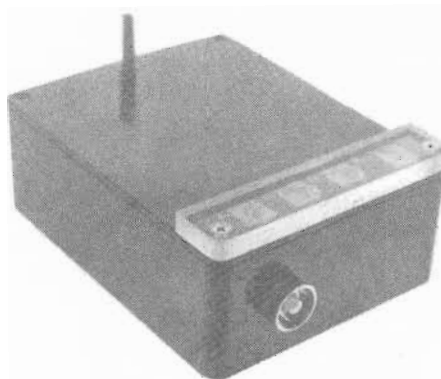
\$2.00 PKG.

Tough ties in two styles:

- A. WHITE NYLON BEADED STYLE  
4" ties in packages of 25 to a vinyl bag and header.
- B. WHITE NYLON FLAT STYLE  
8" ties in packages of 10 to a vinyl bag and header.

# TAPE ERASERS

**DOUBLE  
THE STRENGTH  
HIGH  
MASS CORE**



ORDER #6627 . . . \$89.95

**OUR  
BEST!  
OUR  
STRONGEST!**

## FEATURES:

- ERASES 7" to 10½" REELS
- STRONG ERASURE FIELD
- THERMAL PROTECTION
- INDICATOR LAMP

## PARTS FOR TE-10A

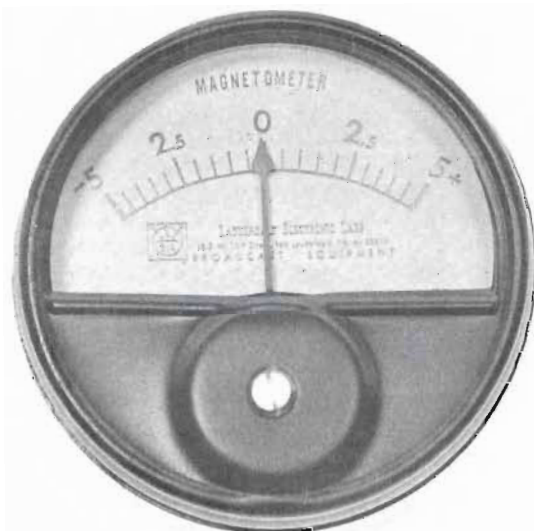
ORDER #6628	SWITCH	.....	\$12.00
ORDER #6631	BOTTOM	.....	\$ 9.00
ORDER #6632		.....	\$14.00

# MAGNETOMETER

***"Are You Losing Frequency?"***  
***"Do Your Tapes Sound Muddy?"***

**CHECK MAGNETISM IN RECORDER COMPONENTS.**

MAGNETIZED HEADS AND CAPSTANS ARE ½ THE REASON  
TO CHECK YOUR MACHINES.



It is amazing how many other parts get magnetized and can wipe your tape.	This will spot trouble, even if it is coming up through the deck.	Don't forget to check the reel hub area and the tape break arm!
---	---	---

## The Most Important Recording Tool In Existence!

### MAGNETOMETER

Measures level of magnetism in components. Calibrated to read directly in gauss. Model 20/B5 shown.

ORDER #8200 . . . \$25.85

### CLIP-ON EXTENSION PROBE

Extension probe is 1¾" long. Can be formed with fingers. Improves checking of magnetism in hard to reach components.

ORDER #8205 . . . \$5.90

# ELECTRICAL SUPPLIES

## MULTIPLE OUTLET STRIPS

### STANDARD MID-SIZE MODELS

Model No.	No. of Outlets	Switch	Pilot Light	Circuit Breaker	Fuse	Cord Length Ft.	PRICE
204 AC	7	1	1	—	yes	6	20.85
204 BC	7	1	1	yes	—	6	24.65
204 BD	7	1	1	yes	—	15	26.55
205 C	9	—	—	—	—	6	17.00
205 D	9	—	—	—	—	15	19.90
207 AC	6	1	1	—	yes	6	19.70
207 AD	6	1	1	—	yes	15	22.55
218 C	9	—	—	—	—	6	17.20
218 D	9	—	—	—	—	15	22.50
213 B	6	1	1	yes	—	15	38.25



SERIES 218



SERIES 204



SERIES 205

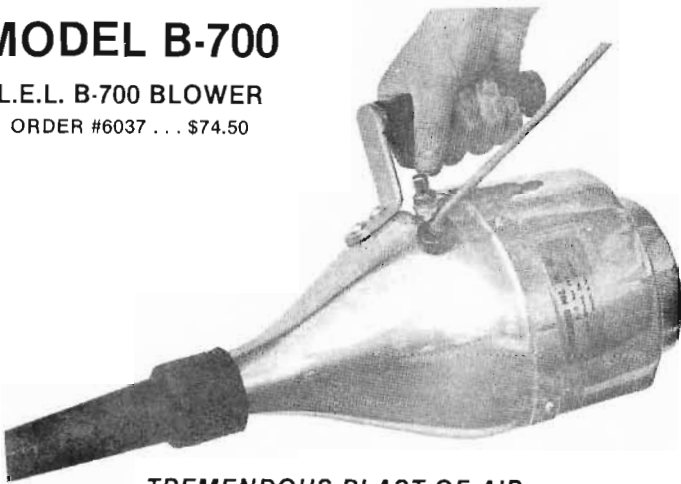


SERIES 207

## MODEL B-700

L.E.L. B-700 BLOWER

ORDER #6037 . . . \$74.50



### TREMENDOUS BLAST OF AIR

Gets the dust and cobwebs out of all remote corners of the equipment.

Good for drying equipment after cleaning —  
(will even sweep your floor)

#### MOTOR

¼ H.P., 115 Volts, 6.5 Amps, 17,500 RPM

#### BEARINGS

Precision Ball Type Sealed

#### FINISH

Metallic Gray

#### CORD

20 Ft. Long, Moulded Plug

#### DIMENSIONS

17" Overall Length

#### WEIGHT

9 Pounds

*Give Your Transmitter A Good Blow Out!*

## PROTECTION DEVICES

### VOLTAGE SPIKE PROTECTOR

*Insure Expensive Equipment For Pennies A Year.*

Voltage spikes are brief high-voltage surges that can occur in any electrical system. Most common causes in circuits include:

- Lightning strikes near power lines
- Switching OFF and ON equipment within the building (such as an air conditioner)

Voltage spikes of less than 180 volts pose little threat of damage to most electronic equipment. Spikes as high as 2,500 volts have been recorded, however, and at such extreme voltages there is a high risk of destroying solid-state components that are not protected against spikes.

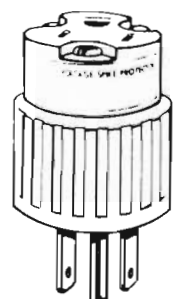
The voltage spike protector absorbs excess spike energy and allows only a safe level to enter the protected equipment.

**Just Plug It In — No Wiring Necessary**

ORDER #7398 . . . \$15.00

Can your station withstand voltage spikes?

voltage spike protector

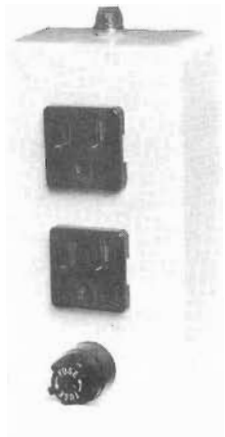




# ELECTRICAL SUPPLIES

## PANAMAX VOLTAGE SURGE SUPPRESSION PRODUCTS ARE POWER LINE TRANSIENT SUPPRESSION DEVICES THAT REDUCE DOWN TIME ON SOLID STATE EQUIPMENT

By eliminating a major cause of component damage and logic disruption, PANAMAX Voltage Surge Suppression products reduce down-time on computers, business machines, medical equipment, laboratory equipment, and communications systems. The device is inexpensive. It is available in an extremely simple plug-in field retrofit version or as an OEM component for incorporation in power supplies.



**MODEL SS120/2**  
ORDER #3765 . . . \$89.00

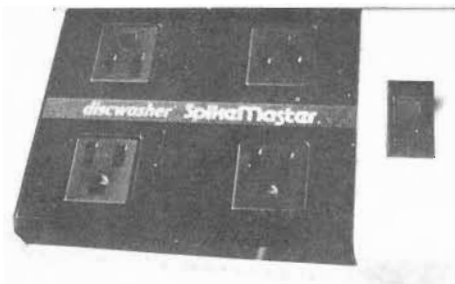


**MODEL SS120/4**  
ORDER #3766 . . . \$101.00



**MODEL SS120/6LC**  
ORDER #3767 . . . \$109.00

### DISCWASHER® SPIKEMASTER™



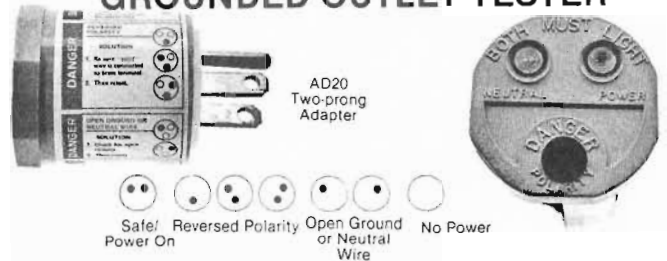
ORDER #1930 . . . \$79.95

In addition to surge suppression, SpikeMaster offers RF filtering to isolate your delicate electronic equipment from interfering radio signals on the power line.

*What is the amperage rating of SpikeMaster?* You can plug up to 15 amps (1875 watts) of power drawing equipment to your SpikeMaster.

*Why does SpikeMaster have a circuit breaker on it?* The circuit breaker in the SpikeMaster is faster than home wiring response time. It offers local protection to an overload as a means of double protection.

### MODEL GT-20 GROUNDED OUTLET TESTER



ORDER #2175 . . . \$15.60

Grounded Outlet Tester checks receptacles for reversed polarity and improper grounds. Unit simply plugs into any 3-way outlet where signal lamps indicate the state of the receptacle. Two amber lamps, when lighted in unison, indicate that the outlet is in proper working order. When the red lamp illuminates, either alone or with one of the amber lamps, a fault is present. It is recommended that the faulty receptacle not be used again until repairs have been made. The GT-20 may also be used to test 2-wire receptacles by attaching a 3-wire adapter. All instructions and 1 year warranty included.

*Help get rid of those hums, buzzes and other ground loop problems.  
Handy way to check just to see if there is juice in the outlet!*

## FUSES

### NORMAL BLOW

COMP.#	AMPS	BOX OF 5	COMP.#	AMPS	BOX OF 5
9956	¼	1.46	9968	2½	.96
9958	½	1.46	9970	3	.96
9960	¾	1.46	9972	4	1.26
9962	1	.96	9974	5	1.26
9964	2	.96	9976	10	1.70
9966	2	.96			

### SEMI SLOW BLOW

COMP.#	AMPS	BOX OF 5	COMP.#	AMPS	BOX OF 5
9980	½	2.34	9988	3	1.70
9982	1	1.70	9990	4	1.70
9984	1½	1.70	9992	5	1.70
9986	2	1.70			

# TOWER LIGHTING CONTROLS

**TURN ON Tower Lights At Sunset!**  
**TURN OFF Tower Lights At Sunrise!**  
— **AUTOMATICALLY** —  
**“Just Set and Forget”**



## — FEATURES —

- Simple Installation
- Weather-proof
- Mounts Anywhere
- Standard Conduit Coupling
- Adjustable Photo Electric Probe
- Built In Time Delay Prevents False Cycling — Car Headlights, Flashlights, etc.
- Handles Loads Up To 1200 Watts By Itself
- Handles Loads Up To 6500 Watts When Wired To Relay #PR-6500

**PC-1200**  
**PHOTO ELECTRIC CONTROL**  
*Easily Connects to PC-1200*  
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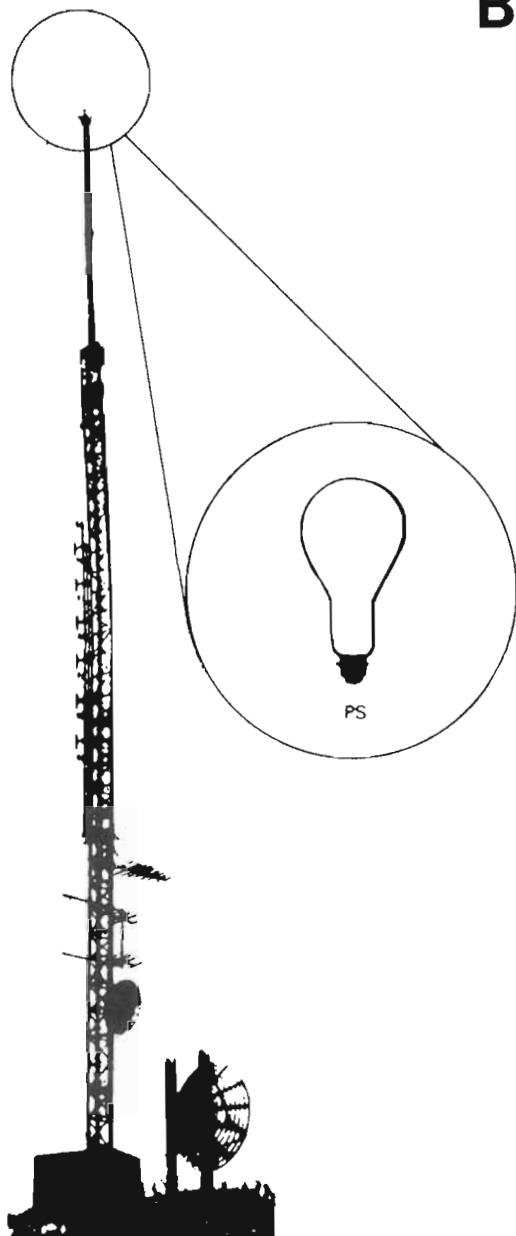
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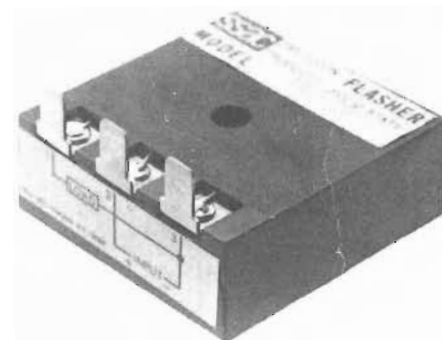
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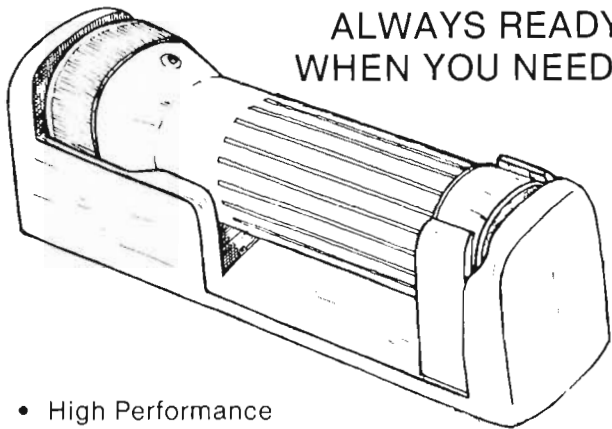
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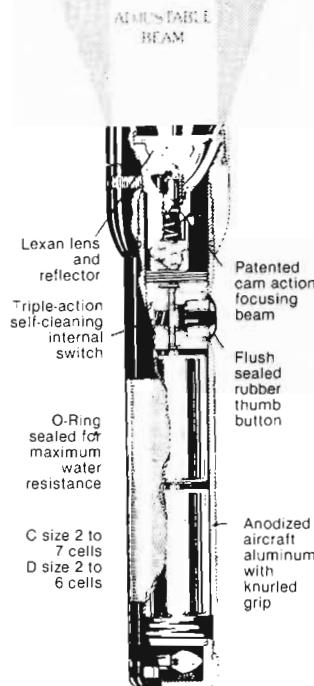
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VOLUME #20

ISSUE #1

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