

KSD-TV

ST. LOUIS
EST. 1947
NBC
CHANNEL 5

Frequency... 76-82 mc.; Power: Video 20,000, Audio 10,000.
Owned-Operated By... Pulitzer Publishing Co.
Business and Studio Address... 1111 Olive St.
Phone Number... Main 1111
Transmitter Location... 1111 Olive St.
Air Time... Approximately 20 hrs. weekly
News Service... AP; NBC Tele NEWSREEL
Transcription Service... Thesaurus, World
Representative Service... Free & Peters
Membership... TBA
President... Joseph Pulitzer
General Manager... George M. Burbach
Sales Manager... Guy E. Yeldell
Chief Engineer... Robt. L. Coe

WRGB

SCHENECTADY, N. Y.
NBC
CHANNEL 4

Frequency... 66-72 mc.; Power: 18.25 kw. Visual, 9.125 kw. Aural
40,000 Watts, Oral, 20,000 Watts
Owned-Operated By... General Electric Co.
Business Address... 60 Washington Ave.
Phone Number... (Studio) 4-2211, Ext. 4926;
Sales 3-2121, Ext. 44
Transmitter & Antenna Location... New Scotland, N. Y.
Air Time... Daily except Sat., Approx. 6:50 a.m.-10:30 p.m.
News Service... INS, INP
Transcription Service... Thesaurus, Lang-Worth
Membership... NAB
Vice President G. E. Adv., Publicity & Broadcasting... R. S. Peare
Asst. Manager Adv., Publicity & Broadcasting... B. J. Rowan
Station Manager... G. E. Markham
Supervisor, Station Sales & Promotion... A. G. MacDonald
Supervisor, Programs... A. G. Zink
Supervisor, Music... A. O. Coggeshall
Supervisor, Farm Programs... R. B. Child
Chief Engineer... W. J. Purcell

WMAL-TV

WASHINGTON, D. C.
EST. 1947
CHANNEL 7

Frequency... 174-180 mc.
Owned-Operated By... The Evening Star Bcstg Co., Inc.
Business Address... 724 14th St., N.W.
Phone Number... National 5400
Studio Address... 201 Commonwealth Bldg.

Transmitter Location... Campus American University, Nebraska and Mass Ave., N.W.
Air Time... Variable
News Service... AP; UP
Membership... NAB
President... S. H. Kauffmann
General Manager... K. H. Berkeley
Commercial Manager... Ben B. Baylor
Director of Television... Burke Crotty
Publicity Director... Tom Dolan
Chief Engineer... Daniel Hunter
Tele Operations Supervisor... Frank Harvey

WTTG

WASHINGTON, D. C.
EST. 1945
DU MONT TELEVISION NETWORK
CHANNEL 5

Frequency... 76-82 mc.
Power... 5 video: kw.; audio: 2½ kw.
Owned By... Allen B. Du Mont Laboratories, Inc.
Operated By... Du Mont Television Network
Business-Studio Address... 12th & "E" Sts., N. W.
Phone Number... Republic 7816
Transmitter Location... Hotel Harrington, 12th & "E" Sts., N.W.
Air Time... 7 days a week; 5:45-11 p.m.
News Service... Transradio
Membership... TBA
President-Owner... Allen B. Du Mont
General Manager... Walter Compton
Commercial Manager... H. E. Sheffers
Production Manager... Roger Coelos
Chief Announcer... Gordon Williamson
Chief Engineer... Malcolm Burleson

WNBW

WASHINGTON, D. C.
EST. 1947
NBC
CHANNEL 4

Frequency... 66-72 mc.
Power... 20.5 kw. (Effective radiated power)
Owned-Operated By... National Broadcasting Company
Business Address... 714-14th St., N.W.
Phone Number... Republic 4000
Studio-Transmitter Location... Wardman Park Hotel
Air Time... Average 24 hrs. per week of Programs, plus 28 hrs. per week of Test Pattern
News Service... AP
Transcription Service... Thesaurus
Membership... NAB
V.P. Charge of NBC, Washington... Frank M. Russell
Television Program Mgr... John E. Gaunt
Commercial Manager... Mahlon Glascock
Publicity Director... Jay Royen
Chief Engineer... Donald Cooper

TELEVISION PROGRAMMING

By LAWRENCE PHILLIPS, Director Du Mont Television Network

THERE is no longer any question but that television, as it develops, will become the most potent and effective means of mass communications so far devised by man; that it will soon exercise a profound influence upon the lives, habits and welfare of many millions of people.

A review of the variety and scope of television programming already achieved in the two years of operation, since the end of the war, indicates the endless panorama of entertainment, information and education which will in time be made available to more than 80% of the people of the United States—tomorrow's television audience.

Drama, music, variety entertainment, movies and hundreds of original productions have formed the nucleus of television broadcasting schedules since the introduction of public service in 1939. Indoor and outdoor events of general public interest: boxing, wrestling, baseball, football, parades, circuses, etc., are already a mainstay in current television programming. The vast reservoirs of information and instruction: travel, art, public forums of debate, round-table discussions; political conventions, etc., are already being scanned by television cameras for the enjoyment and edification of thousands of viewers within the range of existing facilities in almost a dozen major cities in the United States.

To date, television broadcasting has been primarily a local operation. But now the time has come when networks must assume the responsibility of introducing and advancing the new art of sight-sound broadcasting and of making television program service available to independent stations that will be associated with their networks.

For it is only by the establishment of network service as quickly as is practicable, and the resulting distribution of costs, programs and experience over a number of stations—that television programs of network quality can be achieved and supported.



Phillips

Experimental connections for networking are already available in television—between Boston, New York, Philadelphia, Baltimore, Washington, D. C., and Schenectady in the East, and between Chicago and South Bend in the middle West. These facilities will be expanded southwards to Richmond, Virginia sometime in 1948.

Television stations within range of these facilities are already finding it possible to exchange programs with other stations operating along these existing lines of communication.

But what about those television stations that are still within two to five years of network facilities? Stations in the south and middle west, for example. What do they do until the networks reach them?

It is our feeling at Du Mont, that here again the networks must take the responsibility and the initiative. In this connection, we are currently investigating details of a plan to make Du Mont Television Network affiliation—and Du Mont Network Program service available immediately to all stations regardless of their geographical location in the United States or their proximity to existing facilities.

Briefly: our service to these stations will begin with their own construction, if desired. It will include training of station personnel—technical, administrative, production, etc., in the intricacies of television station operation. It will extend to syndicated program service, surveys of local programming possibilities, sales surveys and audience and trade promotion assistance—as much or as little of such aid, assistance and cooperation as may be required to help independent stations get through the initial difficult period of operation with the least possible financial risk.

Having no other interests but television, and consequently no AM commitments, the Du Mont Television Network is in a position to offer such network service to any television station operator immediately. And it is our belief that by the end of 1948 we will have convinced enough stations throughout the country of the economic advisability of Du Mont Network affiliation, to have in efficient operating order regional networks along the Atlantic Coast, in the Mid-West and on the West Coast.

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TELEVISION

BROADCASTING STATIONS

As of January 1, 1948

Construction Permits Granted for Commercial Tele Stations

CALIFORNIA

City	Applicant	Call Letters	Channel No.	Frequency (mc)	ERP Visual-Aural (kw)
Los Angeles	American Bcg. Co. Inc.	KECA-TV	7	174-180	4.5—2.7
Los Angeles	Earle C. Anthony, Inc.	KFI-TV	9	186-192	16.1—17
Los Angeles	National Broadcasting Co. Inc.	KNBH	4	66-72	15—8
Los Angeles	Dorothy S. Thackrey	KLAC-TV	13	210-216	16—16
Los Angeles	Times-Mirror Co.	KTTV	11	198-204	19.15—19.15
Riverside	The Bcg. Corp. of America	KARO	1	44-50	1—1
San Francisco	American Bcg. Co. Inc.	KGO-TV	7	174-180	5.4—2.7
San Francisco	Associated Broadcasters, Inc.	KWIS	5	76-82	23.6—12.6
San Francisco	The Chronicle Publishing Co.	KCPR	4	66-72	18-24—19-2
Stockton	E. F. Peffer	KGDM-TV	8	180-186	1.93—1.80

CONNECTICUT

New Haven	Elm City Bcg. Corp.	WNHC-TV	6	82-88	1.82—957
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DELAWARE

Wilmington	WDEL, Inc.	WDEL-TV	7	174-180	1—5
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DISTRICT OF COLUMBIA

Washington	Bamberger Bcg. Service, Inc.	WOIC	9	186-192	30.25—24.5
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FLORIDA

Miami	Southern Radio & Tele. Eqpt. Co.	WTVJ	4	66-72	1.57—786
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ILLINOIS

Chicago	American Bcg. Co. Inc.	WENR-TV	7	174-180	30—15
Chicago	National Bcg. Co. Inc.	WNBX	5	76-82	21.8—21.8

INDIANA

Bloomington	Sarkes & Mary Tarzian	WTTV	10	192-198	1—1
Indianapolis	Wm. H. Block Co.	WWHB	3	60-66	14.00—7.6

IOWA

Ames	Iowa State College of Agr. & Mech. Arts	WOI-TV	4	66-72	13—10-4
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KENTUCKY

Louisville	Courier-Journal & Louisville Times Co.	WHAS-TV	9	186-192	9.6—7.2
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LOUISIANA

New Orleans	Maison Blanche Co.	WRTV	4	66-72	13.6—7.2
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MARYLAND

Baltimore	Radio-Television of Baltimore, Inc.	WAAM	13	210-214	31.65—20
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● **OUTSTANDING CP'S FOR COMMERCIAL TV** ●

MASSACHUSETTS

<i>City</i>	<i>Applicant</i>	<i>Call Letters</i>	<i>Chan- nel No.</i>	<i>Fre- quency (mc)</i>	<i>ERP Visual-Aural (kw)</i>
Boston	Yankee Network, Inc.	WNAC-TV	7	174-180	32.7—32.7
Waltham	Raytheon Mfg. Co.	WRTB	2	54-60	

MICHIGAN

Detroit	Fort Industry Co.	WTVO	2	54-60	14.26—7.51
Detroit	King-Trendle Bcg. Corp.	WDLT	7	174-180	32.1—16.7

MINNESOTA

Minneapolis	Minn. Bcg. Corp.	WTCN-TV	4	66-72	17.9—9.2
Saint Paul	KSTP, Inc.	KSTP-TV	5	76-82	13-68—6.48

NEW JERSEY

Newark

NEW MEXICO

Albuquerque	Albuquerque Bcg. Co.	KOB-TV	4	66-72	4.5—4.5
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NEW YORK

Buffalo	WBEN, Inc.	WBEN-TV	4	66-72	15—8
New York	American Bcg. Co. Inc.	WJZ-TV	7	174-180	16.25—8.25
New York	Bamberger Bcg. Service Inc.	WOR-TV	9	186-192	30-25—24.5
New York	News Syndicate Co., Inc.	WLTW	11	198-204	16.3—8.17

OHIO

Cleveland	Empire Coil Co. Inc.	WXEL	9	186-192	21—13
Cleveland	Nat'l Bcg. Co. Inc.	WNBK	4	66-72	18.8—9.6
Columbus	Crosley Bcg. Corp.	WLWL	3	60-66	15.5—5.25
Dayton	Crosley Bcg. Corp.	WLWD	5	76-82	30—25
Toledo	Fort Industry Co.	WTVT	13	210-216	27.4—14.4

OREGON

Portland	Oregonian Publ. Co.	KGWG	6	82-88	10—11.2
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PENNSYLVANIA

Johnstown	WJAC, Inc.	WJAC-TV	13	210-216	6.5—7
Philadelphia	Wm. Penn Bcg. Co.	WPEN-TV	10	192-198	25—26.4
Pittsburgh	Allen B. DuMont Labs. Inc.	WDTV	3	60-66	14.6—7.3

RHODE ISLAND

Providence	The Outlet Co.	WJAR-TV	11	198-204	50—50
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TENNESSEE

Memphis	Memphis Publ. Co.		4	66-72	13.6—7.12
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TEXAS

Dallas	KRLD Radio Corp.	KRLD-TV	4	66-72	46—TBD
Dallas	Lacy-Potter Tele. Bcg. Co.	KBTW	8	180-186	35—18.5
Fort Worth	Carter Publications, Inc.	KCPN	5	76-82	17.6—8.2

UTAH

Salt Lake City	Intermountain Bcg. Corp.	KDYL-TV	2	54-60	13.2—7
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VIRGINIA

Richmond	Havens & Martin, Inc.	WTVR	6	82-88	12.16—6.4
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WASHINGTON

Seattle	Radio Sales Corp.	KRSC-TV	5	76-82	18.95—9.79
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ALWAYS GOOD LISTENING

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FREQUENCY

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FM Association—Personnel

•

Progress Of Educational FM

•

FAX Making Progress

•

FM Stations In Operation

•

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FOR PRESTIGE ...

Be able to tell listeners that
your station is a member of

A large, bold, black graphic of the letters 'AP' in a serif font. The 'A' and 'P' are connected at the top and bottom, with a shared vertical stem. The 'A' has a horizontal bar, and the 'P' has a curved top.

Radio members of The AP don't buy news!
They share the news of the largest news-
gathering organization on a *cost* basis.

FM SHOWING PROGRESS

By IRWIN ROSTEN, Staff Writer, RADIO DAILY

THURSDAY, January 29, 1948, will go down in the annals of radio history as the turning point in the progress of frequency modulation broadcasting. On that day, in joint statement with the nation's four major networks, James C. Petrillo announced the end of his ban on FM duplication of AM live musical programs. Three days later, for the first time since October, 1945, listeners throughout the country were able to hear their favorite network shows with the higher fidelity that only FM can provide.

The day after the joint AFM-network announcement, Petrillo met with Everett Dillard, president of the Frequency Modulation Association and also of the first major FM web, the Continental Network. When the confab ended, Petrillo announced the removal of his ban on FM stations originating live music, and said that AFM locals may negotiate contracts with FM outlets.

This was the news for which FM broadcasters had long been waiting. No longer need they feel like unwanted stepchildren of the radio industry. For those who had patiently attended the FM infant for several years, it meant virtual assurance of their eventual success and hastened the day when red would no longer be the dominant color on their ledgers. For some, this happy switch to black ink will come during this year. For newcomers, for those licensees who had been holding back construction, the advent of music for FM meant that they would now try to get their stations on the air as soon as possible.

The breaking of the music czar's strangle hold on FM broadcasting is expected to provide strong stimulus for the ever-growing FM audience. A record-breaking total of 1,175,104 FM-AM receivers were produced last year, according to the RMA, as compared with only 181,485 in 1946. Early estimates of anticipated 1948 production



Rosten

placed the number of FM sets at least double last year's figure. This, however, was before the lifting of the music bans. The RMA had gone on record as stating "that the day network programs are made available to FM, production of FM sets will be stepped up." Now that that day has arrived, some trade estimates of FM receiver output for 1948 are as high as four or five million.

The achievements scored by FM during 1947 offer added substance to the optimism prevalent in the trade. According to the 13th annual report of the FCC, "FM showed its biggest and most material gain" last year. As this is written, there are 371 FM stations on the air, 312 of which are affiliated with AM outlets. The total number of FM authorizations is more than 965.

Indications are that national advertisers are gradually growing more aware of FM's possibilities. A spot check made by RADIO DAILY in New York revealed that key executives of the three independent FM stations in that city agree that "the worst is over." All three outlets reported increased sales, broader programming and an appreciable jump in listener response. Although they are still operating in the red, hopes are high that they may be able to break even this year.

The FM system, however, will not gain its due prominence solely on its own merits. Although, in the words of former FCC Chairman Charles R. Denny, "FM is the finest aural broadcasting system attainable in the present state of the radio art," it must be promoted, sold, plugged and promoted again to assure universal acceptance in the shortest possible time. The story of FM must be kept before the public eye and ear at all times.

A unique plan to increase local FM audiences—and one that may well be followed by many stations—was developed towards the end of last year by a new outlet on Long Island. The station sponsored a contest among local retailers, with free air time awarded dealers selling the most FM receivers or tuners. First prize was 65 quarter-hour periods over 13 weeks, with runner-up receiving 39 quarter-hour shows. The next 15 stores each receive one 15-minute seg a week for 13 weeks, and all other entries get five spots each.

FM Association

MUNSEY BUILDING, 1329 E. ST., N.W., WASHINGTON 4, D. C.
Telephone: Republic 8532

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Everett L. Dillard.....*President* E. J. Hodel.....*Secretary*
William E. Ware.....*Vice-President* Thomas F. McNulty.....*Treasurer*

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J. N. Bailey, *Alternate*

PROGRESS OF EDUCATIONAL FM

By **GEORGE JENNINGS**, *Director, Radio Council—WBEZ, Chicago Public Schools*

DESPITE some difficulties met with during the past year, such as changing of frequency and the lack of suitable radio receivers for classroom use, educational FM broadcasting has taken great strides. The change in frequency seriously affected the operation of station WBEZ in Chicago, for example, since it meant the purchase of new transmitter, new antenna system, new antenna tower and a new site for the location of the transmitter. Cleveland, Ohio's WBOE made the changeover without stopping service and is now broadcasting on both the low and the high FM band. New York City's WNYE did or will close down for the period of change over.



Jennings

radio broadcasting and use in the annual sessions of the American Association of School Administrators. It is the administrator who ultimately controls the school funds for the establishment of stations and studios.

The Association for Education by Radio, and organization of administrators and teachers has held two semi-annual meetings during the year on a national basis and has established local units in Cleveland, Indianapolis, Washington, Detroit, Philadelphia, Chicago, Portland, Klamath Falls (Oregon), Sacramento, and Atlanta.

With the increased local interest in FM broadcasting and the increasing availability of radio receivers suitable for classroom use the growth of FM broadcasting seems assured. A warning must be made, however, concerning the fact that school stations, as with all others, must be programmed. Years ago when schools and universities held all licenses to operate, programming was the greatest difficulty, and many boards of education and trustees of universities were not prepared to finance an adequate program. Consequently, many such AM licenses were returned to the FCC. Educators are stressing, therefore, the use of radio and are likewise stressing the programming of stations.

Some thirty applications for FM broadcast station license have been granted by the FCC to schools, school systems, teachers colleges, and universities. Among the new stations to get into operation were WDTR, Detroit Public Schools and KUSC, the University of Southern California. The increased interest in FM for schools is evidenced by the increase in attendance at such educational meetings as the School Broadcast Conference, held annually in Chicago; the Institute for Education by Radio, held annually at Ohio State University and the Regional Radio Conference sponsored by the University of Oklahoma.

Another outgrowth of the interest in FM is the number of teachers organizations, such as the National Council of Teachers of English and Social Studies, which have included the consideration of the classroom use of radio in their annual progress. That interest is not alone on the part of the teaching staff is evidenced by the inclusion of sessions on

The state-wide FM network picture has lagged somewhat, with Wisconsin the only state at the moment which seems to have gone ahead with its plan for a statewide FM network. One station has been placed in operation at Madison and another is under construction at a site near Milwaukee. Despite the well-known advantages of such a state FM network for educational use, legislators are loath to use tax funds for what some of their constituents might think was in competition with other stations.

The ideal situation for FM educational broadcasting remains the large city school system, and some educators are doubtful if the smaller cities can not adequately be supplied with time for educational broadcasts by their own local AM and FM stations.

FAX MAKING PROGRESS

By VAL ADAMS, Staff Writer, RADIO DAILY

RADIO gets more versatile every day. But a couple of decades ago a radio set was based on one little idea—AM broadcasting. Then they began to trick it up. A phonograph was put in. Along came FM. Television rightfully had to get in the act too. Now we're about to get facsimile, a fifth element in our radio sets which spews the printed word and lush layouts all over the living room floor, even while the events are in progress.

The home used to be a place where you slammed the door on the outside world. That era is over. Radio homes of the future will be communication centers in themselves, snowed under by incoming traffic via the eye, ear and printed page from the four corners of the earth. Walter Winchell's going to have to get a word better than "flash" or he'll be out of business.

This is an era when veteran newsmen are being tapped on the shoulder by managing editors and informed. "You're the facsimile editor. Get out a facsimile edition." And before those who are tapped can ask just what the heck they're supposed to do, they are informed that the managing editors are merely carrying out orders of the publishers. In other words, a lot of competent newsmen are suddenly getting titles they never even heard of before and they're strictly on their own.

It seems that those connected with the technical development and sale of facsimile facilities have made a successful pitch to broadcasters and publishers. Many of the latter are sold on the idea to the point of having laid their money on the line and some are already showing facsimile in their cities. As to whether or not this new medium has possibilities, there must be some significance in the fact that the New York Times and WQXQ staged the first postwar demonstration in that city early in 1948.

Facsimile newspapers won't be as common as the housing shortage overnight. But the trend of broadcasters and publishers making a decision to "Let's appoint a facsimile editor" is definitely growing. There are many who don't know just where facsimile is headed but they think it important enough to get their finger in the pie just in case.

Stations and newspapers starting facsimile today are not getting in on the

ground floor — they're in the basement. You write your own textbook as you go along. Technically, from the standpoint of scanners and recorders, facsimile is ready to go to the public. Next step is to work out a technique for making up facsimile newspapers. While some have done a little preliminary work, in general all are completely ignorant on this subject. But it's something that won't be learned or worked out in a laboratory. It must be done by actual operation—making up daily facsimile editions and putting them on the air. It will be learned only by hit and miss.

To sell an idea to the public, it normally must be a little different from a previous one, some new advantage must be added. Consequently, facsimile is not likely to sell itself publicly merely on the idea that now you can get your newspaper delivered into the home by radio instead of by boy. New kinds of formats, different from the average newspaper, must be worked out and probably new types of entertainment gimmicks particularly suited to facsimile.

News-wise, facsimile's greatest attraction lies in its possibilities as a picture medium. You can't lightly toss off the thought that with facsimile a housewife can hold a picture in her hand of a big fire with the caption reading, "Firemen are still fighting the blaze." The Miami Herald and WQAM-FM put a wet photo on the air of an attempted suicide, lying crumpled on the pavement, while an ambulance rushed the victim to the hospital.

If it's competition that makes business, then facsimile is going to be a big one. One of the hottest battles broke out in Philadelphia in 1947 between the Inquirer and the Bulletin and their FM outlets. Several weeks ahead, the Inquirer announced a public facsimile demonstration for early in May but about two days before the date the Bulletin suddenly staged its own. Late in December, the Inquirer started what it called the first daily facsimile newspaper but the Bulletin promptly exclaimed it had been doing it for eight months. It's an argument which might best be left for historians to decide but the real story seems to be that each can claim a first in separate ways. Technicalities, however, were overlooked in the rush for promotion.

FM Broadcast Stations In Operation As of Jan. 1, 1948

OPERATION prior to March 1, 1948, on the frequency shown is contingent on clearance of image frequency interference in present aeronautical aid receivers.

ALABAMA

Call Letters	Licensee—Location	Frequency (mc)
WAFM	Voice of Alabama, Inc. Birmingham	99.5
WJBY-FM	Gadsden Broadcasting Co., Inc. Gadsden	103.7
WRLD-FM	Valley Broadcasting Co. Lanett	102.9
WSFA-FM	Montgomery Broadcasting Co., Inc. Montgomery	103.3

CALIFORNIA

KONG	Times-Star Publishing Co. Alameda	104.9
KRFM	J. E. Rodman Fresno	93.7
KHJ-FM	Don Lee Broadcasting System Los Angeles	101.1
KWBR-FM	Warner Bros. Oakland	97.3
KOCS-FM	The Daily Report Ontario	93.5
KAGH	Rose Bowl Broadcasters, Ltd. Pasadena	98.3
KPOR	The Broadcasting Corp. of America Riverside	97.5
KCRA-FM	Central Valleys Broadcasting Co. Sacramento	96.1
KXOA-FM	Sacramento Broadcasters Inc. Sacramento	107.9
KJBS-FM	KJBS Broadcasters San Francisco	98.9
KGO-FM	American Broadcasting Co., Inc. San Francisco	106.1
KLOK-FM	Valley Broadcasting Co. San Jose	98.5
KSJO-FM	Santa Clara Broadcasting Co. San Jose	95.3
KRJM	Santa Maria Daily Times Santa Maria	103.1
KGDM-FM	E. F. Peffer Stockton	92.9
KRKD-FM	Radio Broadcasters, Inc. Los Angeles	96.3
KPNI	Peninsula Newspapers, Inc. Palo Alto	101.7
KFXM	Lee Brothers Broadcasting Co. San Bernardino	95.1
KSFH	Pacific Broadcasting Company San Francisco	94.9

CONNECTICUT

WDRC-FM	The Conn. Broadcasting Co. Hartford	93.7
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. . . FM STATIONS IN OPERATION . . .

<i>Call Letters</i>	<i>Licensee—Location</i>	<i>Frequency (mc)</i>
WTIC-FM	The Travelers Broadcasting Service Corp. Hartford	96.5
WKNB-FM	The New Britain Broadcasting Co. New Britain	103.7
WBIB	Colony Broadcasting Corp. New Haven	100.7
WNLC-FM	Thames Broadcasting Corp. New London	99.5
DISTRICT OF COLUMBIA		
WASH	Commercial Radio Equip. Co. Washington	97.1
WINX-FM	WINX Broadcasting Co. Washington	96.3
WRC-FM	National Broadcasting Co., Inc. Washington	93.9
WWDC-FM	Capital Broadcasting Co. Washington	101.1
FLORIDA		
WNDB-FM	News Journal Corp. Daytona Beach	94.5
WJHP-FM	The Metropolis Company Jacksonville	96.9
WIOD-FM	Isle of Dreams Broadcasting Co. Miami	97.3
WQAM-FM	Miami Broadcasting Co. Miami	94.9
WWPG-FM	Palm Beach Broadcasting Corp. Palm Beach	97.9
WCOA-FM	Pensacola Broadcasting Co. Pensacola	98.9
WTAL-FM	John H. Phipps Tallahassee	103.9
GEORGIA		
WBGE-FM	General Broadcasting Co. Atlanta	95.5
WGBA-FM	Georgia-Alabama Broadcasting Corp. Columbus	95.1
WRBL-FM	Columbus Broadcasting Co. Columbus	93.3
WBML-FM	Middle Georgia Broadcasting Co. Macon	100.7
WMAZ-FM	Southeastern Broadcasting Co. Macon	99.1
WRGA-FM	Rome Broadcasting Corp. Rome	106.5
WSAV-FM	WSAV, Inc. Savannah	100.3
WTOC-FM	Savannah Broadcasting Co. Savannah	97.3
WLET	R. G. LeTourneau Toccoa	102.9
IDAHO		
KIDO-FM	KIDO, Inc. Boise	106.1
KFXD-FM	Frank E. Hurt & Son Nampa	101.9
KSEI-FM	Radio Service Corp. Pocatello	96.5
ILLINOIS		
WJBC-FM	Bloomington Broadcasting Corp. Bloomington	101.5
WRGK	George M. Ives Brookfield	103.1
WBBM-FM	Columbia Broadcasting System Inc. Chicago	97.1

. . . FM STATIONS IN OPERATION . . .

<i>Call Letters</i>	<i>Licensee—Location</i>	<i>Frequency (mc)</i>
WGNB	WGN, Inc. Chicago	98.7
WEFM	Zenith Radio Corp. Chicago	99.5
WSOY-FM	Commodore Broadcasting Inc. Decatur	98.7
WEAW	North Shore Broadcasting Co., Inc. Evanston	96.7
WFJS	Freeport Journal Standard Publishing Co. Freeport	102.5
WQDI	Quincy Newspapers Inc. Quincy	105.1
WCVS-FM	WCBS, Inc. Springfield	102.9
WEHS	WHFC, Inc. Chicago	97.9
WKIL	Kankakee Daily Journal Company Kankakee	100.7
WMIX-FM	Mt. Vernon Radio & Television Company Mt. Vernon	94.1
WMBD-FM	Peoria Broadcasting Company Peoria	92.5

INDIANA

WCSI	Syndicate Theatres, Inc. Columbus	93.7
WOWO-FM	Westinghouse Radio Stations, Inc. Ft. Wayne	96.1
WABW	Associated Broadcasters Inc. Indianapolis	94.7
WSBF	South Bend Tribune South Bend	101.3
WMLL	On the Air, Inc. Evansville	94.5
WCTW	Courier-Times, Inc. New Castle	103.1

IOWA

KBUR-FM	Burlington Broadcasting Co. Burlington	92.9
KSCJ-FM	Perkins Bros. Co. Sioux City	94.9

KANSAS

KSBS	Sunflower Broadcasting System Kansas City	105.9
KTSJ	The Topeka State Journal Inc. Topeka	99.5
WIBW-FM	Topeka Broadcasting Assn. Inc. Topeka	102.5
KIMV	Hutchinson Publishing Company Hutchinson	105.7

KENTUCKY

WRXW	WAVE, Inc. Louisville	95.1
WCJT	WHAS, Inc. Louisville	99.7
WPAD-FM	Paducah Broadcasting Co., Inc. Paducah	96.9
WKYC	Paducah Newspapers Inc. Paducah	93.3

LOUISIANA

KPDR-FM	Central Louisiana Broadcasting Co. Alexandria	99.7
WBRL	Baton Rouge Broadcasting Co. Inc. Baton Rouge	98.1
WTPS-FM	The Times Picayune Publishing Co. New Orleans	95.7

. . . FM STATIONS IN OPERATION . . .

Call Letters	Licensee—Location	Frequency (mc)
WRCM	Supreme Broadcasting System Inc. New Orleans	97.1
WSMB-FM	WSMB, Inc. New Orleans	102.7
MARYLAND		
WITH-FM	Maryland Broadcasting Co. Baltimore	104.3
WFMD-FM	The Monocacy Broadcasting Co. Frederick	101.5
WJEJ-FM	Hagerstown Broadcasting Co. Hagerstown	104.7
WGAY-FM	Tri-Suburban Broadcasting Corp. Silver Springs	102.3
MASSACHUSETTS		
WMNE	The Yankee Network Inc. Boston	100.5
WGTR	The Yankee Network, Inc. Boston	99.1
WBZ-FM	Westinghouse Radio Stations, Inc. Boston	92.9
WXHR	Harvey Radio Lab. Cambridge	96.9
WSAR-FM	The Fall River Broadcasting Co., Inc. Fall River	103.7
WCFR	Narragansett Broadcasting Co. Fall River	100.9
WFMR	E. Anthony & Sons Inc. New Bedford	98.1
WBZA-FM	Westinghouse Radio Stations Inc. Springfield	97.1
WTAG-FM	WTAG, Inc. Worcester	96.1
MICHIGAN		
WPAG-FM	Washtenaw Broadcasting Co. Ann Harbor	98.7
WELL-FM	Federated Publications, Inc. Battle Creek	102.1
WBCM-FM	Bay Broadcasting Co. Inc. Bay City	96.1
WJLB-FM	Booth Radio Stations Inc. Detroit	97.9
WWJ-FM	The Evening News Assn. Detroit	97.1
WJBK-FM	James F. Hopkins, Inc. Detroit	93.1
WFRS	The Grand Rapids Broadcasting Corp. Grand Rapids	92.5
WLAV-FM	Leonard A. Versluis Grand Rapids	96.9
WMLN	Macomb Publishing Co. Mt. Clemens	106.3
WMUS-FM	Greater Muskegon Broadcasters Inc. Muskegon	100.5
WSAL	Saginaw Broadcasting Co. Saginaw	98.1
WHFB-FM	The Palladium Publishing Co. Benton Harbor	99.9
WJJW	Wyandotte News Co. Wyandotte	103.1
MINNESOTA		
WTCN-FM	Minnesota Broadcasting Corp. Minneapolis	97.1
KROC-FM	Southern Minnesota Broadcasting Co. Rochester	94.7
KSTP-FM	KSTP, Inc. St. Paul	102.1

. . . FM STATIONS IN OPERATION . . .

MISSOURI

<i>Call Letters</i>	<i>Licensee—Location</i>	<i>Frequency (mc)</i>
WMBH-FM	Joplin Broadcasting Co. Joplin	96.1
KMBC-FM	Midland Broadcasting Co. Kansas City	100.5
KOZY	Commercial Radio Equipment Co. Kansas City	98.1
KXOK-FM	Star-Times Publishing Co. St. Louis	93.7
WIL-FM	Missouri Broadcasting Co. St. Louis	97.3
KWK-FM	Thomas Patrick, Inc. St. Louis	99.1

NEBRASKA

KFAB-FM	KFAB Broadcasting Co. Lincoln	97.9
KOAD	World Publishing Co. Omaha	92.9

NEW HAMPSHIRE

WLOB	Claremont Eagle Inc. Claremont	106.1
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NEW JERSEY

WFMN	Edwin H. Armstrong Alpine	93.1
WCAP-FM	Radio Industries Broadcasting Co. Asbury Park	107.1
WBAB-FM	Press-Union Publishing Co. Atlantic City	100.7
WAAT-FM	Bremer Broadcasting Corp. Newark	102.7
WFMO	Fidelity Media Broadcasting Corporation Jersey City	103.1

NEW YORK

WNBF-FM	Clark Associates Binghamton	100.5
WEBR-FM	WEBR Inc. Buffalo	96.9
WBNY-FM	Roy L. Albertson Buffalo	92.9
WKNP	Corning Leader Inc. Corning	106.1
WHNY	FM Broadcasting Corp. Hempstead	98.3
WWHG	The W. H. Greenhow Co. Hornell	105.3
WBAM	Bamberger Broadcasting Service Inc. New York	98.7
WGHF	Wm. G. H. Finch New York	101.9
WCBS-FM	Columbia Broadcasting System Inc. New York	101.1
WQXQ	Interstate Broadcasting Co. New York	96.3
WMGM	Marcus Loew Booking Agency New York	100.3
WABF	Metropolitan Broadcasting & Television Inc. New York	99.5
WNBC-FM	National Broadcasting Co. Inc. New York	97.1
WHL D-FM	The Niagara Falls Gazette Publishing Co. Niagara Falls	98.5
WRNY-FM	Monroe Broadcasting Co. Inc. Rochester	97.9

• • • FM STATIONS IN OPERATION • • •

<i>Call Letters</i>	<i>Licensee—Location</i>	<i>Frequency (mc)</i>
WHFM	Stromberg-Carlson Co. Rochester	98.9
WHEF	WHEC Inc. Rochester	96.5
WBCA	Capitol Broadcasting Co. Inc. Schenectady	101.1
WGFM	General Electric Co. Schenectady	99.5
WFBL-FM	Onondaga Radio Broadcasting Corp. Syracuse	93.1
WAGE-FM	WAGE Inc. Syracuse	98.5
WSYR-FM	Central N. Y. Broadcasting Corp. Syracuse	94.5
WTRI	Troy Broadcasting Co. Inc. Troy	102.7
WFAS-FM	Westchester Broadcasting Corp. White Plains	103.9
WGYN	WGYN, Inc. New York	97.9
WRUN	Rome Sentinel Co. Utica	105.7
WIBX-FM	WIBX, Inc. Utica	96.9

NORTH CAROLINA

WLOS-FM	Skyway Broadcasting Corp. Asheville	104.3
WISE-FM	Radio Station WISE Inc. Asheville	102.5
WBBB-FM	Alamance Broadcasting Co. Inc. Burlington	101.1
WFNS-FM	Burlington Graham Broadcasting Co. Burlington	93.5
WBT-FM	Southeastern Broadcasting Co. Charlotte	99.9
WAYS-FM	Intercity Advertising Co. Charlotte	107.7
WGBR-FM	Eastern Carolina Broadcasting Co. Inc. Goldsboro	93.3
WCTP	Capitol Broadcasting Co. Greensboro	98.7
WGBG-FM	Greensboro Broadcasting Co. Inc. Greensboro	100.3
WMFR-FM	Radio Station WMFR High Point	99.5
WRAL-FM	Capital Broadcasting Co. Inc. Raleigh	101.5
WSTP-FM	Piedmont Broadcasting Corp. Salisbury	106.5
WAIR-FM	WAIR Broadcasting Co. Winston-Salem	93.1
WMIT	Gorden Gray Winston-Salem	106.9
WGTM-FM	Penn Thomas Watson Wilson	106.7

OHIO

WFAH	Review Publishing Co. Alliance	101.7
WATG	Beer & Koehl Ashland	101.3
WCMW-FM	Stark Broadcasting Corp. Canton	94.9
WCTS	The Cincinnati Times Star Co. Cincinnati	101.9
WLWA	The Crosley Corp. Cincinnati	101.1

FM STATIONS IN OPERATION

<i>Call Letters</i>	<i>Licensee—Location</i>	<i>Frequency (mc)</i>
WELD	Radio Ohio, Inc. Columbus	97.1
WFOB	Lawrence W. Harry Fostoria	105.5
WFRO	Robert E. Wolf Co. Fremont	99.3
WCLT	The Advocate Printing Co. Newark	100.3
WSTV-FM	The Valley Broadcasting Co. Steubenville	103.5
WTFM	Jay R. David Tiffin	98.3
WSPD-FM	The Fort Industry Co. Toledo	101.5
WWST-FM	The Wooster Republican Printing Co. Wooster	104.5
WFMJ-FM	WFMJ Broadcasting Co. Youngstown	105.1
WKBN-FM	WKBN Broadcasting Corp. Youngstown	98.9
WVAW	Suburban Broadcasting, Inc. Cheviot	96.7
WSTV-FM	The Valley Broadcasting Co. Steubenville	103.5

OKLAHOMA

KMUS	Muskogee Broadcasting Co. Muskogee	101.5
KBIX-FM	Oklahoma Press Publishing Co. Muskogee	98.5
KOCY-FM	Plaza Court Broadcasting Co. Oklahoma City	94.7
WKY-FM	WKY Radiophone Co. Oklahoma City	98.9
KTOK-FM	KTOK, Inc. Oklahoma City	104.3
KOMA-FM	KOMA, Inc. Oklahoma City	105.9
KTUL-FM	Tulsa Broadcasting Co. Tulsa	97.1
KAKC-FM	Public Radio Corp. Tulsa	95.5
KSEO-FM	Democrat Printing Co. Durant	107.3

OREGON

KGW-FM	Oregonian Publishing Co. Portland	100.3
KPFM	Broadcasters Oregon, Ltd. Portland	97.1
KPPA	Pacific Radio Advertising Service Portland	95.5
KUGN-FM	Valley Broadcasting Co. Eugene	99.1

PENNSYLVANIA

WSAN-FM	Lehigh Valley Broadcasting Co. Allentown	99.9
WFMZ	Penn-Allen Broadcasting Co. Allentown	95.9
WGPA-FM	The Bethlehem Globe Publishing Co. Bethlehem	95.1
WHP-FM	WHP, Inc. Harrisburg	97.3

. . . FM STATIONS IN OPERATION . . .

Call Letters	Licensee—Location	Frequency (mc)
WABX	Harold O. Bishop Harrisburg	100.9
WLAN-FM	Peoples Broadcasting Co. Lancaster	96.9
WGAL-FM	WGAL Inc. Lancaster	101.3
WMCK-FM	Mon-Yough Broadcasting Co. McKeesport	104.9
WPEN-FM	Wm. Penn Broadcasting Co. Philadelphia	98.1
WIP-FM	Penn. Broadcasting Co. Philadelphia	93.3
WCAU-FM	Philadelphia Record Philadelphia	102.9
KYW-FM	Westinghouse Radio Stations Inc. Philadelphia	92.5
WFIL-FM	Triangle Publishing Inc. Philadelphia	102.1
KDKA-FM	Westinghouse Radio Stations Inc. Pittsburgh	92.9
WMOT	WWSW, Inc. Pittsburgh	94.5
WPIC-FM	Sharon Herald Broadcasting Co. Sharon	102.9
WBRE-FM	Louis G. Baltimore Wilkes-Barre	98.5
WIZZ	Scranton-Wilkes-Barre-Pittson Broadcasting Co., Inc. Wilkes-Barre	103.3
WSBA-FM	Susquehanna Broadcasting Co. York	103.3

SOUTH CAROLINA

WCAC	Wilton E. Hall Anderson	101.1
WTMA-FM	Atlantic Coast Broadcasting Co. Charleston	95.1
WSPA-FM	Spartanburg Advertising Co. Spartanburg	98.9
WMRC-FM	Textile Broadcasting Co. Greenville	94.9

TENNESSEE

WOPI-FM	Radiophone Broadcasting Station WOPI, Inc. Bristol	96.9
WAPO-FM	WAPO Broadcasting Service Chattanooga	94.7
WTJS-FM	The Sun Publishing Co. Inc. Jackson	100.7
WROL-FM	S. E. Adcock Knoxville	97.3
WMC-FM	Memphis Publishing Co. Memphis	99.7
WSM-FM	WSM, Inc. Nashville	103.3

TEXAS

KRBC-FM	The Reporter Broadcasting Co. Abilene	96.9
KRIC-FM	KRIC Inc. Beaumont	99.5
WFAA-FM	A. H. Belo Corp. Dallas	97.9
KGBS-FM	Harbenito Broadcasting Co. Inc. Harlingen	94.7
KPRC-FM	The Houston Post Co. Houston	102.9

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<i>Call Letters</i>	<i>Licensee—Location</i>	<i>Frequency (mc)</i>
KTRH-FM	KTRH Broadcasting Co. Houston	101.1
KISS	The Walmac Co. San Antonio	99.5
KYFM	Express Publishing Co. San Antonio	101.5
WOAI-FM	Southland Industries Inc. San Antonio	102.5
KCMC-FM	KCMC, Inc. Texarkana	98.1
KGKB-FM	East Texas Broadcasting Co. Tyler	101.5
KTRN	Times Publishing Co. of Wichita Falls Wichita Falls	97.3
UTAH		
KSL-FM	Radio Service Corp. of Utah Salt Lake City	100.3
KDYL-FM	Intermountain Broadcasting Corp. Salt Lake City	98.7
VIRGINIA		
WBTM-FM	Piedmont Broadcasting Corp. Danville	97.9
WSVA-FM	Shenandoah Valley Broadcasting Corp. Harrisonburg	100.7
WLVA-FM	Lynchburg Broadcasting Corp. Lynchburg	97.5
WTAR-FM	WTAR Radio Corp. Norfolk	97.3
WSAP-FM	Portsmouth Radio Corp. Portsmouth	99.7
WCOD	Havens & Martin Inc. Richmond	98.1
WINC-FM	Richard Field Lewis Jr. Winchester	92.5
WGH-FM	Hampton Roads Broadcasting Corp. Newport News	96.5
WASHINGTON		
KWLK-FM	Twin City Broadcasting Corp. Longview	103.9
KING-FM	Western Waves Inc. Seattle	94.9
KRSC-FM	Radio Sales Corp. Seattle	98.1
WEST VIRGINIA		
WCFC	Beckley Newspapers Corp. Beckley	101.3
WJLS-FM	Joe L. Smith, Jr. Beckley	99.5
WWVA-FM	West Va. Broadcasting Corp. Wheeling	98.7
WHIS-FM	Daily Telegraph Ptg. Co. Bluefield	104.5
WLOG-FM	C. H. Frey & R. O. Groever Logan	103.3
WKWK	Community Broadcasting, Inc. Wheeling	97.3
WISCONSIN		
WJPG-FM	Green Bay Newspaper Co. Green Bay	101.1
WTMJ-FM	The Journal Co. (The Milwaukee Journal) Milwaukee	93.3
WJMC-FM	WJMC, Inc. Rice Lake	96.3
WDUL	Head of the Lakes Broadcasting Co. Superior	92.3
WBNB	Daily News Publishing Co. Beloit	107.3
WCLO-FM	Gazette Printing Co. Janesville	99.9
WKBH-FM	WKBH, Inc. LaCrosse	93.3

Construction Permits For FM Stations

Granted By The FCC As Of Jan. 1, 1948

ALABAMA

<i>City</i>	<i>Licensee</i>	<i>Frequency (mc)</i>	<i>Power (kw)</i>
ANNISTON	Harry M. Ayers	100.5	19
BIRMINGHAM	Birmingham Broadcasting Co.	102.5	560
BIRMINGHAM	Johnston Broadcasting Co.	104.7	40
BIRMINGHAM	The Birmingham News Co.	93.7	370
BIRMINGHAM	Thomas N. Beach	106.9	276
BIRMINGHAM	Birmingham Broadcasting Co., Inc.	102.5	546
HUNTSVILLE	The Huntsville Times Co., Inc.	95.1	10
MOBILE	Mobile Daily Newspapers, Inc.	107.9	51
MOBILE	Pape Broadcasting Co.	94.9	102
MOBILE	Giddens & Rester	99.9	3
MOBILE	Nunn Broadcasting Corp.	97.5	8.8
MONTGOMERY	G. W. Covington, Jr.	94.5	15.5
MONTGOMERY	Dixie Broadcasting Co.	107.5	6
TUSCALOOSA	James R. Doss, Jr.	101.3	3.2

ARIZONA

PHOENIX	Sun Country Broadcasting Co.	98.5	8
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ARKANSAS

FORT SMITH	Southwestern Hotel Co.	94.9	9
FORT SMITH	Donald W. Reynolds	107.7	140
FORT SMITH	Arkansas-Oklahoma Broadcasting Corp.	102.1	33
FORT SMITH	KWHN Broadcasting Co., Inc.	104.1	43
SILOAM SPRING	KUOA, Inc.	96.5*	2.6

CALIFORNIA

BAKERSFIELD	McClatchy Broadcasting Co.	94.1	9.3
BURBANK	Burbank Broadcasters, Inc.	94.3	0.56
BERKLEY	Central Calif. Broadcasters, Inc.	102.9	6.8
CHICO	Golden Empire Broadcasting Co.	101.1	11
EUREKA	Redwood Broadcasting Co., Inc.	96.3	4.6
FRESNO	KARM, The Geo. Harm Station	101.9	24.5
FRESNO	Tulare-Kings Counties Radio Associates	99.5	3.2
HOLLYWOOD	Columbia Broadcasting System, Inc.	93.1	297
LONG BEACH	The Cerrites Broadcasting Co.	103.1	0.32
LOS ANGELES	Cannon & Callister, Inc.	105.1	36
LOS ANGELES	American Broadcasting Co., Inc.	95.5	290
LOS ANGELES	Los Angeles Broadcasting Co., Inc.	104.3	270
LOS ANGELES	E. C. Anthony, Inc.	105.9	265
LOS ANGELES	Standard Broadcasting Co.	99.5	14.9
LOS ANGELES	Echo Park Evangelistic Assn.	97.1	58
LOS ANGELES	Metro-Goldwyn-Mayer Studios, Inc.	98.7	49
LOS ANGELES	KMPC, The Station of the Stars, Inc.	100.3	460
LOS ANGELES	Consolidated Broadcasting Corp., Ltd.	101.9	10.5
LOS ANGELES	The Times Mirror Co.	103.5	165
LOS ANGELES	Unity Broadcasting Corp. of Calif.	94.7	44

FM APPLICATIONS GRANTED

City	Licensee	Frequency (mc)	Power (kw)
MARYSVILLE	Sacramento Valley Broadcasters	101.5	38
MARYSVILLE	Marysville-Yuba City Broadcasters, Inc.	99.9	4.7
MERCED	Merced Broadcasting Co.	97.5	2.9
MODESTO	McClatchy Broadcasting Co.	103.3	3.4
MONTEREY	Monterey Peninsula Broadcasting Co.	94.5	3.4
OAKLAND	Tribune Building Co.	101.3	20
OAKLAND	KROW, Inc.	95.7*	3.6
PASADENA	Southern California Broadcasting Co.	102.7	14.7
REDDING	Golden Empire Broadcasting Co.	103.9	1
SACRAMENTO	Harmco, Inc.	94.5	12.6
SALINAS	Luther E. Gibson	96.9	9.4
SAN BERNARDINO	The Sun Company of San Bernardino	99.9	6.4
SAN BRUNO	Radio Diablo, Inc.	100.5	250
SAN DIEGO	Airfan Radio Corp. Ltd.	94.1	33
SAN DIEGO	Studebaker Broadcasting Co.	104.7	16
SAN DIEGO	Balboa Radio Corp.	92.5	20
SAN DIEGO	Union Tribune Publishing Company	95.5 ²	48
SAN FRANCISCO	Pacific Agri. Foundation, Ltd.	103.7	44
SAN FRANCISCO	The Associated Broadcasters Ltd.	98.1	14
SAN FRANCISCO	National Broadcasting Co., Inc.	99.7	45
SAN JOSE	FM Radio & Television Corp.	92.3	340
SAN LUIS OBISPO	The Valley Electric Co.	99.9	16.7
SAN MATEO	San Mateo County Broadcasters	100.9	0.38
SAN MATEO	Amphlett Printing Co.	93.3	70
SANTA ANA	The Voice of the Orange Empire, Inc. Ltd.	96.7	1
SANTA BARBARA	News Press Publishing Co.	98.3	0.38
TURLOCK	Turlock Broadcasting Corp.	109.9	1

CONNECTICUT

DANBURY	The Berkshire Broadcasting Corp.	98.3	0.15
HARTFORD	The Yankee Network, Inc.	102.9	10.2
HARTFORD	The Hartford Times	106.1	5.6
MERIDEN	Silver City Crystal Co.	95.7	7
NEW HAVEN	Elm City Broadcasting Corp.	99.1	20
NEW HAVEN	Connecticut Radio Foundation Inc.	107.9	20
NEW HAVEN	The New Haven Broadcasting Corp.	95.1	20
STAMFORD	The Western Connecticut Broadcasting Corp.	96.7	0.5
WATERBURY	American Republican, Inc.	102.5	10.2

DELAWARE

WILMINGTON	Delaware Broadcasting Co.	99.5	20
WILMINGTON	Port Frere Broadcasting Co., Inc.	107.3	16
WILMINGTON	WDEL, Inc.	93.7	15.3
WILMINGTON	Wilmington-Tri State Broadcasting Co., Inc.	96.1*	20

DISTRICT OF COLUMBIA

WASHINGTON	Theodore Granik	100.3	19
WASHINGTON	The Evening Star Broadcasting Co.	107.3	20
WASHINGTON	Cowles Broadcasting Co.	98.7	20
WASHINGTON	Potomac Broadcasting Cooperative, Inc.	99.5	20
WASHINGTON	Metropolitan Broadcasting Corp.	103.5	20

FLORIDA

FT. LAUDERDALE	Gore Publishing Co.	106.5	9.6
JACKSONVILLE	Florida Broadcasting Company	96.1	20
JACKSONVILLE	Jacksonville Broadcasting Corp.	99.7	36
MIAMI	Paul Brake	101.5	8.5

FM APPLICATIONS GRANTED

<i>City</i>	<i>Licensee</i>	<i>Frequency (mc)</i>	<i>Power (kw)</i>
MIAMI	Everglades Broadcasting Co.	99.9	11
MIAMI	The Fort Industry	96.3	27
MIAMI BEACH	WKAT, Incorporated	93.1	306
ORLANDO	Orlando Daily Newspapers, Inc.	96.5	47
ORLANDO	Hazlewood, Inc.	100.3	65
ST. PETERSBURG	Pinellas Broadcasting Co.	102.5	37
TAMPA	The Tribune Co.	93.3	46
WEST PALM BEACH	WJNO, Inc.	98.7	49

GEORGIA

ATHENS	J. K. Patrick Co.	99.5	4.4
ATLANTA	The Constitution Publishing Co.	98.5	20
ATLANTA	Atlanta Journal	104.5	50
ATLANTA	Atlanta Broadcasting Co.	97.5	40.4
ATLANTA	Liberty Broadcasting Corp.	103.3	20
ATLANTA	Wilson and Cope	99.9	49
AUGUSTA	The Augusta Chronical Broadcasting Co.	103.7	15
AUGUSTA	Augusta Broadcasting Co.	105.7	30
CEDARTOWN	Northwest Georgia Broadcasting Company	96.1*	5.5
COLUMBUS	Radio Columbus, Inc.	107.9	10.4
DUBLIN	Dublin Broadcasting Co.	98.1	2.5
LA GRANGE	La Grange Broadcasting Co.	104.1	5.1
MACON	Macon Broadcasting Co.	96.9	41
MOULTRIE	John F. Pidcock	103.5	14
SAVANNAH	Carter C. Peterson	95.5	7.1
VALDOSTA	E. D. Rivers	92.5	7

IDAHO

TWIN FALLS	Radio Broadcasting Corp.	99.7	3
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ILLINOIS

AURORA	The Copley Press, Inc.	103.9	1
CARDONDALE	Southern Illinois Broadcasting Partnership	100.7	5.9
CHAMPAIGN	The Champaign News-Gazette, Inc.	97.5	27
CHICAGO	Amalgamated Broadcasting System, Inc.	105.9	19
CHICAGO	American Broadcasting Co., Inc.	94.7	15
CHICAGO	Balban & Katz Corp.	96.3	17
CHICAGO	Chicago Federation of Labor	104.3	22
CHICAGO	Drovers Journal Publishing Co.	103.5	12.5
CHICAGO	UWA-CIO Broadcasting Corp. of Ill.	105.1	20
CHICAGO	National Broadcasting Co., Inc.	101.1	25
CHICAGO	Radio Station WGES	93.9	20
CHICAGO	WJJD, Inc.	100.3	17
CHICAGO	Radio Station WSBC	101.9	31
CHICAGO	Radio Station WSBC	101.9	31
ELMWOOD PARK	Elmwood Park Broadcasting Corp.	107.1	0.32
HARRISBURG	Harrisburg Broadcasting Co.	99.9	4.2
HERRIN	Orville W. Lycerla	98.5	20
PEORIA	Mid-State Broadcasting Co.	96.5	10
PEORIA	Central Illinois Radio Corp.	94.1	20
PEORIA	Illinois Valley Broadcasting Co.	95.7	51
PEORIA	West Central Broadcasting Co.	93.3	20
QUINCY	Lee Broadcasting Co.	99.5	53
ROCKFORD	Rockford Broadcasters, Inc.	97.5	44
ROCK ISLAND	Rock Island Broadcasting Co.	98.9	36.6
SPRINGFIELD	WTAX, Inc.	103.7	6.7
WAUKEGAN	Keystone Printing Service, Inc.	106.7	12

. . . **FM APPLICATIONS GRANTED** . . .

INDIANA

<i>City</i>	<i>License</i>	<i>Frequency (mc)</i>	<i>Power (kw)</i>
CONNERSVILLE	News-Examiner Co.	100.3	7.7
ELKHART	Truth Publishing Co., Inc.	100.7	21.6
EVANSVILLE	Tri-State Broadcasting Corp.	102.5	20
FT. WAYNE	Ft. Wayne Broadcasting, Inc.	103.7	10
FT. WAYNE	Farnsworth Television & Radio Corp.	105.3	20
FT. WAYNE	Northeastern Indiana Broadcasting Co., Inc.	106.1	24
HAMMOND	South Shore Broadcasting Corp.	92.3	20
HAMMOND	The William H. Bloek Co.	97.1	19.5
HAMMOND	Scripps-Howard Radio, Inc.	93.1	20
HAMMOND	Indiana Broadcasting Corp.	95.5	20
HAMMOND	Capitol Broadcasting Corp.	98.7	20
HAMMOND	Indianapolis Broadcasting, Inc.	92.3	20
HAMMOND	Universal Broadcasting Co.	96.3	20
HAMMOND	WFBM, Inc.	97.9	20
KOKOMO	Kokomo Broadcasting Corp.	99.9	31
LAFAYETTE	WFAM, Inc.	95.1	12
MUNCIE	Donald A. Burton	104.1	8.6
SHELBYVILLE	Shelbyville Radio, Inc.	101.3	5
TERRE HAUTE	Wabash Valley Broadcasting Corp.	99.9	20
TERRE HAUTE	Banks of the Wabash, Inc.	101.1	20

IOWA

CEDAR RAPIDS	The Gazette Company	96.9	48
CLINTON	Clinton Broadcasting Co.	96.1	10
DAVENPORT	Tri-City Broadcasting Co.	103.7	47
DES MOINES	Independent Broadcasting Co.	98.5	20
DAVENPORT	Murphy Broadcasting Co.	97.3	154
DAVENPORT	Cowels Broadcasting Co.	104.5	160
DAVENPORT	Central Broadcasting Co.	100.3	134
DUBUQUE	Telegraph-Herald	100.5	180
DUBUQUE	Dubuque Broadcasting Company	103.3	15
MASON CITY	Lee Radio, Inc.	101.1	260
WATERLOO	Josh. Higgins Broadcasting Co.	105.7	540

KANSAS

KANSAS CITY	The KCKN Broadcasting Co.	106.7	20
LAWRENCE	The Wold Co.	105.1	2.5
WICHITA	Wichita Beacon Broadcasting Co.	97.9	48
WICHITA	The Radio Station KFH Co.	100.3	180

KENTUCKY

ASHLAND	Ashland Broadcasting Co.	93.7	4.4
BOWLING GREEN	The Bowling Green Broadcasting Co.	101.1	8.4
LEXINGTON	American Broadcasting Corp.	94.5*	3
LOUISVILLE	Northside Broadcasting Corp.	100.7	29.8
OWENSBORO	Owensboro Broadcasting Co., Inc.	92.5	20
OWENSBORO	Owensboro on the Air, Inc.	96.1	45
WINCHESTER	Winchester Sun Co., Inc.	100.1	0.77

LOUISIANA

ALEXANDRIA	Alexandria Broadcasting Co., Inc.	96.9	3
NEW ORLEANS	Stephens Broadcasting Co.	105.3	200
NEW ORLEANS	Deep South Broadcasting Corp.	93.7	40
SHREVEPORT	Radio Station KTBS, Inc.	96.5	47
SHREVEPORT	International Broadcasting Corp.	94.5*	43

FM APPLICATIONS GRANTED

MAINE

<i>City</i>	<i>Licensee</i>	<i>Frequency (mc)</i>	<i>Power (kw)</i>
BANGOR	Guy Gannett Broadcasting Service	93.1	10.8
LEWISTON	Twin City Broadcasting Co., Inc.	93.9	13
PORTLAND	Guy Gannett Broadcasting Service	101.9	3.6

MARYLAND

ANNAPOLIS	The Capital Broadcasting Co.	99.1	16.6
BALTIMORE	The Monumental Radio Co.	102.7	20
BALTIMORE	Baltimore Broadcasting Corp.	93.1	15
BALTIMORE	Belvedere Broadcasting Corp.	94.7	20
BALTIMORE	The Baltimore Radio Show, Inc.	101.9	20
BALTIMORE	The A. S. Abell Co.	97.9	20
BRADBURY HTS.	Chesapeake Broadcasting Co., Inc.	96.7	0.42
CUMBERLAND	The Tri-State Broadcasting Co.	102.9	2.2
SALISBURY	The Peninsula Broadcasting Co.	97.5	12

MASSACHUSETTS

BOSTON	Columbia Broadcasting Co.	103.3	20
BOSTON	Matheson Radio Co.	94.5	20
BOSTON	Yankee Network, Inc.	98.5	19.5
BOSTON	Unity Broadcasting Corp. of Massachusetts	102.5	20
BOSTON	Templetone Radio Manufacturing Corp.	104.1	20
BOSTON	Massachusetts Broadcasting Company	100.7	20
BROCKTON	Cur-Nan Company	107.1	0.8
BROCKTON	Plymouth County Broadcasting Corp.	106.3	0.8
BROCKTON	Enterprise Publishing Co.	97.7	0.8
CHICOPEE	Regional Broadcasting Co.	100.3	3
FITCHBURG	M. G. Meyers, Et Al	104.7	18
GREENFIELD	John W. Haigis	98.3	1
HAVERHILL	The Haverhill Gazette Co.	92.5	20
HOLYOKE	The Hampden-Hampshire Corp.	93.1	3.5
LAWRENCE	Hildreth & Rogers Co.	93.7	17
LOWELL	Merrimac Broadcasting Co., Inc.	99.5	12.2
NEW BEDFORD	Bay State Broadcasting Co.	97.3	20
NEW BEDFORD	South Eastern Massachusetts Broadcasting Corp.	99.3	0.88
NORTH ADAMS	James A. Hardman	97.5	1
PITTSFIELD	Greylock Broadcasting Co.	101.5	12
PITTSFIELD	Western Massachusetts Broadcasting Co.	94.3	1
SALEM	North Shore Broadcasting Co.	92.1	0.5
SPRINGFIELD	WMAS, Inc.	94.7	3.2
SPRINGFIELD	WSPR, Inc.	97.9	14
SPRINGFIELD	Springfield Broadcasting Co.	101.9	10

MICHIGAN

DEARBORN	Herman Radner	103.9	0.48
DETROIT	WJR, The Good Will Station, Inc.	96.3	24
DETROIT	UAW-CIO Broadcasting Corp. of Michigan	101.9	52
DETROIT	Knight Radio Corp.	95.5	20
DETROIT	King-Trendle Broadcasting Corp.	101.1	23
FLINT	Advertiser Press, Inc.	107.1	0.4
GROSSE POINT	Grosse Point Broadcasting Corporation	98.3	0.5
JACKSON	WIBM, Inc.	92.3	16.0
LANSING	WJIM, Inc.	97.5	53
MUSKEGON	Ashbacker Radio Corp.	106.5	49
OWOSSO	The Argus Press Co.	103.1	1
PONTIAC	WCAR, Inc.	103.5	20
PORT HURON	The Times Herald Co.	99.1	22
ROYAL OAK	Royal Oak Broadcasting Co.	104.3	18.4

. . . **FM APPLICATIONS GRANTED** . . .

MINNESOTA

<i>City</i>	<i>Licensee</i>	<i>Frequency (mc)</i>	<i>Power (kw)</i>
MANKATO	Southern Minnesota Supply Co.	103.5	47
MINNEAPOLIS	Independent Merchants Broadcasting Co.	101.3	34
ST. CLOUD	The Times Publishing Co.	104.7	50
ST. PAUL	WMIN Broadcasting Co.	99.5	65
WINONA	Winona Radio Service	97.5	55

MISSISSIPPI

JACKSON	Lamar Life Insurance Co.	102.9	100
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MISSOURI

CAPE GIRARDEAU	Oscar C. Hirsch	101.3	2.5
JEFFERSON CITY	Capital Broadcasting Co.	98.5	9.7
KANSAS CITY	WHB Broadcasting Co.	102.1	46
KANSAS CITY	KCMO Broadcasting Co.	94.9	54
ST. JOSEPH	KFEQ, Inc.	92.3	63
ST. LOUIS	The Pulitzer Publishing Co.	96.1	34
ST. LOUIS	Globe Democrat Publishing Co.	98.1	218
ST. LOUIS	Unity Broadcasting Corp. of Missouri	106.7	40
SPRINGFIELD	Springfield Broadcasting Co.	92.9	50

NEBRASKA

LINCOLN	Cornbelt Broadcasting Co.	102.9	22
OMAHA	Inland Broadcasting Co.	98.7	330
OMAHA	Radio Station WOW, Inc.	99.9	42

NEVADA

LAS VEGAS	Nevada Broadcasting Co.	103.9	0.33
RENO	Saviers Electrical Products Co.	103.9	0.76
RENO	Reno Newspapers, Inc.	95.5	10

NEW HAMPSHIRE

MANCHESTER	The Radio Voice of New Hampshire	95.7*	3.3
MANCHESTER	Harry M. Bitner	101.1	3.4
PORTSMOUTH	WHEB, Inc.	107.3	20

NEW JERSEY

ASBURY PARK	Asbury Park Press, Inc.	94.3	1
ATLANTIC CITY	Neptune Broadcasting Corp.	98.5	15.5
BRIDGETON	Eastern States Broadcasting Corp.	98.9	20
ELIZABETH	Radio Elizabeth, Inc.	96.7	1
NEWARK	Fidelity Media Broadcasting Corp.	103.1	0.36
NEW BRUNSWICK	Home News Publishing Co.	93.5	0.58
PATERSON	The Passiac Daily News	107.1	0.19
TRENTON	Mercer Broadcasting Co.	97.5	11.3

NEW YORK

ALBANY	Hudson Valley Broadcasting Co., Inc.	93.9	2.1
ALBANY	Champlain Valley Broadcasting Corp.	95.9	5.3
BINGHAMTON	Binghamton Press Co., Inc.	98.1	20
BUFFALO	Greater Erie Broadcasting Co.	104.1	20

FM APPLICATIONS GRANTED

<i>City</i>	<i>Licensee</i>	<i>Frequency (mc)</i>	<i>Power (kw)</i>
CORAM	Suffolk Broadcasting Corp.	103.1	0.34
JAMESTOWN	James Broadcasting Co., Inc.	93.3	9.5
KINGSTON	Kingston Broadcasting Corp.	94.9	0.11
LOCKPORT	Lockport Union Sun & Journal Co., Inc.	99.3	0.34
MASSENA	The Brockway Company	105.3	5
MT. VERNON	Hudson Broadcasting System, Inc.	106.3	0.3
NEW ROCHELLE	New Rochelle Broadcasting Service, Inc.	93.5	1
OGDENSBURG	St. Lawrence Broadcasting Corp.	106.1	13.7
ONEONTA	Oneonta Star, Inc.	99.1	4.2
OSWEGO	Palladium-Times, Inc.	104.7	3
POUGHKEEPSIE	Poughkeepsie Newspapers, Inc.	104.7	2.3
ROME	Copper City Broadcasting Corp.	95.7	32
SYRACUSE	Syracuse Broadcasting Corp.	102.5	8.5
SYRACUSE	Radio Projects, Inc.	107.3	8.5
SYRACUSE	Civic Broadcasting Corp.	104.1	8.5
TROY	The Troy Record Co.	92.3	13
UTICA	Utica Observer-Dispatch, Inc.	103.3	8.5
WATERTOWN	The Brockway Co.	100.5	14.4

NORTH CAROLINA

AHOSKIE	Parker Brothers, Inc.	101.9	42
ASHEVILLE	Radio Asheville	101.5	16.2
CHARLOTTE	Surety Broadcasting Co.	104.7	50
CHARLOTTE	Radio Station WSCC, Inc.	103.5	38
CONCORD	Wayne M. Nelson	96.5	3.8
DURHAM	Durham Radio Corp.	105.1	36
FAYETTEVILLE	Cape Fear Broadcasting Co.	98.1	12
GASTONIA	F. C. Todd	101.9	11.1
GREENSBORO	Greensboro News Co.	97.3	23
GREENSBORO	North Carolina Broadcasting Co.	92.3	14
HICKORY	Catawba Valley Broadcasting Co., Inc.	102.9	180
MORGANTOWN	Beatrice Cobb	94.3	0.88
HIGH POINT	High Point Enterprise, Inc.	95.5	37
NEW BERN	Coastal Broadcasting Co.	103.7	2.9
RALEIGH	The News & Observer Publishing Co.	96.1*	25
ROANOKE RAPIDS	WCBT, Inc.	98.5	10
ROCKY MOUNT	Josh L. Horne	100.7	33
WASHINGTON	Tar Heel Broadcasting System	102.9	29
WILMINGTON	Wilmington Star-News Co.	93.9	37
WILMINGTON	Richard Austin Dunlea	96.3	13
WINSTON SALEM	Piedmont Publishing Co.	104.1	48

NORTH DAKOTA

FARGO	KVOX Broadcasting Co.	99.9	8.5
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OHIO

ASHTABULA	WICA, Inc.	103.7	48
ATHENS	The Messenger Publishing Co.	107.3	16.5
BELLAIRE	Tri-City Broadcasting Co.	100.5	20
CANTON	P. C. Wilson	92.5	14
CANTON	Ohio Broadcasting Co.	94.1	25
CINCINNATI	Buckeye Broadcasting Co.	102.7	16
CLEVELAND HEIGHTS	Samuel R. Sague	95.3	1
COLUMBUS	United Broadcasting Co.	98.7	26
COLUMBUS	The Pixley's	92.3	33
COLUMBUS	The Crosley Corp.	96.3	17
DOVER	The Tuscora Broadcasting Co.	107.1	0.7
FINDLAY	Findlay Radio Co.	100.5	8.2

. . . **FM APPLICATIONS GRANTED** . . .

City	Licensee	Frequency (mc)	Power (kw)
HAMILTON	The Ft. Hamilton Broadcasting Co.	103.5	8.7
LAKEWOOD	United Garage & Service Corp.	100.1	0.25
LIMA	Northwestern Ohio Broadcasting Co.	102.1	20
MARION	The Marion Broadcasting Co.	106.9	2.3
PORTSMOUTH	The Scioto Broadcasting Co.	104.1	7
RAVENNA	Record Publishing Co.	92.1	1
SPRINGFIELD	Champion City Broadcasting Co.	103.9	
TOLEDO	Ohio-Michigan Broadcasting Corp.	107.9	20
TOLEDO	Community Broadcasting Co.	104.7	20
WARREN	Nied & Stevens	107.9	3.2

OKLAHOMA

ARDMORE	John F. Easley	93.7	8.2
OKLAHOMA CITY	Sooner Broadcasting Co.	101.9	33
OKMULGEE	Donald W. Reynolds	93.5	0.41
SHAWNEE	KGFF Broadcasting Co.	97.5	7.8
STILLWATER	Stillwater Publishing Co.	93.9	3.1
TULSA	Fred Jones Broadcasting Co.	98.1	34
TULSA	West Central Broadcasting Co.	99.5	185

OREGON

ALBANY	Central Wilamette Broadcasting Co.	101.7	0.71
ASHLAND	Siskiyou Broadcasting Co.	103.1	0.27
GRANTS PASS	Southern Oregon Broadcasting Company	96.9	2.2
MEDFORD	Medford Printing Co.	93.7	4.3
PORTLAND	KALE, Inc.	98.7	220
PORTLAND	Westinghouse Radio Stations, Inc.	92.3	56
PORTLAND	KOIN, Inc.	101.1	210
PORTLAND	KXL Broadcasters	103.5	39.9

PENNSYLVANIA

ALLENTOWN	Allentown Broadcasting Co.	100.7	9
ALTOONA	The Gable Broadcasting Co.	103.7	3.9
BETHLEHEM	Associated Broadcasters, Inc.	107.9	16
BRADFORD	Bradford Publications, Inc.	97.5	2.7
BUTLER	Butler Broadcasting Co., Inc.	97.7	0.56
CLEARFIELD	Airplane & Marine Instruments Co.	99.1	7.4
DU BOIS	Tri-County Broadcasting Co., Inc.	102.1	6
EASTON	Easton Publishing Co.	98.3	1
ERIE	WLEU Broadcasting Corp.	97.9	20
JOHNSTOWN	WJAC, Inc.	95.5	2.2
JOHNSTOWN	Central Broadcasting Co., Inc.	105.3	14
LEWISTON	Lewiston Broadcasting Co.	97.9	2.25
MEADSVILLE	H. C. Winslow	100.3	3.5
NEW CASTLE	WKST, Inc.	101.1	9.2
OIL CITY	The Derrick Publishing Co.	98.5	20
OIL CITY	Kenneth Edward Rennekamp	105.9	6.5
PHILADELPHIA	Seaboard Radio Broadcasting Corp.	94.1	17
PHILADELPHIA	Unity Broadcasting Corp. of Pennsylvania	103.7	20
PHILADELPHIA	Independence Broadcasting Co.	105.3	20
PHILADELPHIA	Franklin Broadcasting Corp.	106.1	20
PHILADELPHIA	Junto, Inc.	91.7	20
PITTSBURGH	WCAE, Inc.	96.1*	12
PITTSBURGH	Allegheny Broadcasting Corp.	98.1	20
PITTSBURGH	West Virginia Radio Corp.	93.7	20
PITTSBURGH	Pittsburgh Radio Supply	99.7	20
PITTSBURGH	Liberty Broadcasting Co.	101.5	20
POTTSVILLE	Pottsville Broadcasting Co.	101.9	2.8

FM APPLICATIONS GRANTED

City	Licensee	Frequency (mc)	Power (kw)
POTTSVILLE	Miners Broadcasting Service	95.5	5.1
READING	Hawley Broadcasting Co.	92.9	9
SCRANTON	Scranton Broadcasters, Inc.	101.3	7.5
SCRANTON	Union Broadcasting Co.	105.7	6
SCRANTON	The Scranton Times	92.3	7.2
SCRANTON	Sumit Corp.	93.7	3
SUNBURY	Sunbury Broadcasting Corp.	94.1	4.4
UNIONTOWN	Fayette Broadcasting Corp.	105.7	1.5
UNIONTOWN	Uniontown Newspapers, Inc.	106.5	1.1
WILLIAMSPORT	WRAK, Inc.	100.3	3.2
YORK	White Rose Broadcasting Co.	98.5	8

PUERTO RICO

SAN JUAN	Radio Americas Corp.	97.7	0.33
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RHODE ISLAND

PAWTUCKET	Pawtucket Broadcasting Co.	101.5	20
PROVIDENCE	The Outlet Co.	95.5	20
PROVIDENCE	Cherry and Webb Broadcasting Co.	92.3	20
PROVIDENCE	The Yankee Network, Inc.	94.1	19.8
PROVIDENCE	Colonial Broadcasting Co.	107.7	7.7

SOUTH CAROLINA

CHARLESTON	John M. Rivers	96.9	36
COLUMBIA	Surety Life Insurance Co.	94.5	150
GREENVILLE	The Greenville News Piedmont Co.	93.7	160
GREENWOOD	Grengo, Inc.	95.7	6.5
LANCASTER	Lancaster Broadcasting Co.	107.3	9.4
SPARTANBURG	Spartan Radiocasting Co.	100.5	14

TENNESSEE

CHATTANOOGA	WDOD Broadcasting Co.	96.5	42
CHATTANOOGA	Unity Broadcasting Corp. of Tennessee	98.1	4.2
CHATTANOOGA	Tennessee Valley Broadcasting Co.	101.1	37
CLARKSVILLE	Leaf Chronicle Co.	106.7	3.1
CLARKSVILLE	Campbell & Sheftall	101.9	2.1
FT. WORTH	Lone Star Broadcasting Co.	105.3	15
JACKSON	Jackson Broadcasting Co.	104.7	12
JOHNSON CITY	WJHL, Inc.	100.7	9.7
KINGSPORT	Kingsport Broadcasting Co., Inc.	98.5	44
KNOXVILLE	Knoxville Publishing Co.	93.3	20
MEMPHIS	WMPS, Inc.	97.9	186
MEMPHIS	WHHM Broadcasting Co.	106.9	49
MEMPHIS	Radio Broadcasters, Inc.	97.1	37
NASHVILLE	WSIX Broadcasting Station	97.5	65

TEXAS

AMERILLO	Plains Radio Broadcasting Co.	104.3	50.4
AMERILLO	Amarillo Broadcasting Corp.	100.3	3.2
DALLAS	KRLD Radio Corp.	92.5	46
DALLAS	Variety Broadcasting Co., Inc.	104.5	34
DENTON	Harwell V. Shepard	106.1	3.1
EDINBURG	James C. Looney	104.9	0.69
FORT WORTH	Cater Publishing, Inc.	100.5	50
GALVESTON	The KLUF Broadcasting Co., Inc.	98.7	9.2
GOOSE CREEK	Tri-Cities Broadcasting Co.	92.1	1

FM APPLICATIONS GRANTED

<i>City</i>	<i>License</i>	<i>Frequency (mc)</i>	<i>Power (kw)</i>
HOUSTON	Lee Segal Broadcasting Co.	105.1	46
HOUSTON	Harris County Broadcasting Co., Inc.	96.5	177
LONGVIEW	R. G. LeTourneau	105.9	9.1
LUBBOCK	Plains Radio Broadcasting Co.	99.5	13
LUFKIN	Darrell E. Yates	95.5	2.9
SAN ANGELO	KGKL, Inc.	94.5	3.3
SAN ANTONIO	Southern Broadcasting Corp.	98.1	200
SAN ANTONIO	Sunshine Broadcasting Co.	104.1	250
SAN ANTONIO	Mission Broadcasting Co.	92.9	48
TEMPLE	Bell Broadcasting Co., Inc.	107.5	7
VERNON	Northwestern Broadcasting Co.	98.7	8
WICHITA FALLS	Texoma Broadcasting Co.	94.1	9.5
WICHITA FALLS	Wichita Broadcasters	99.9	9.7

VERMONT

RUTHLAND	Philip Weiss Music Co.	107.1	0.1
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VIRGINIA

FRONT ROYAL	Hoyle Barton Long	95.1	16
LYNCHBURG	Old Dominion Broadcasting Corp.	107.9	20
NORFOLK	Larus & Bros. Co., Inc.	102.5	6
PORTSMOUTH	The Portsmouth Star Publishing Corp.	93.9	32
RICHMOND	Larus & Bros. Co., Inc.	94.5	25
RICHMOND	Lee Broadcasting Corp.	102.9	21
RICHMOND	Richmond Radio Corp.	102.1	43.7
ROANOKE	Times World Corp.	94.9	11.8
ROANOKE	Radio Roanoke, Inc.	103.7	3
ROANOKE	Roanoke Broadcasting Corp.	99.1	4.7
SUFFOLK	Suffolk Broadcasting Corp.		

WASHINGTON

SEATTLE	Queen City Broadcasting Co., Inc.	100.7	7.7
SEATTLE	Fishers Blend Station, Inc.	98.9	4.5

WEST VIRGINIA

HUNTINGTON	Greater Huntington Radio Corp.	100.5	53
HUNTINGTON	Huntington Broadcasting Corp.	102.5	38
MORGANTOWN	West Virginia Radio Corp.	99.3	1

WISCONSIN

GREEN BAY	WHBY, Inc.	102.5	14
GREENFIELD	William C. Forrest	94.9	37
MARSHFIELD	Dairyland's Broadcasting Service, Inc.	103.9	1
MILWAUKEE	Milwaukee Broadcasting Co.	94.1	35
MILWAUKEE	Midwest Broadcasting Co.	102.1	31
MILWAUKEE	Hearst Radio, Inc.	102.9	310
NEENAH	Neenah-Mcnasha B/cg Co.	98.5	9.4
OSHKOSH	Oshkosh Broadcasting Co.	92.9	3.5
RACINE	Racine Broadcasting Corp.	100.7	15
SHEBOYGAN	WHBL, Inc.	100.3	15
WAUSAU	Record Herald Co.	97.9	6.5
WAUSAU	The Journal Co.	95.5	46
WISCONSIN RAPIDS	William H. Huffman	103.3	2.1

WYOMING

CHEYENNE	Frontier Broadcasting Co.	101.1	9.5
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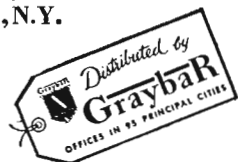
BROADCASTERS:

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Tube Industry Outlook

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*How to Apply for a FCC License
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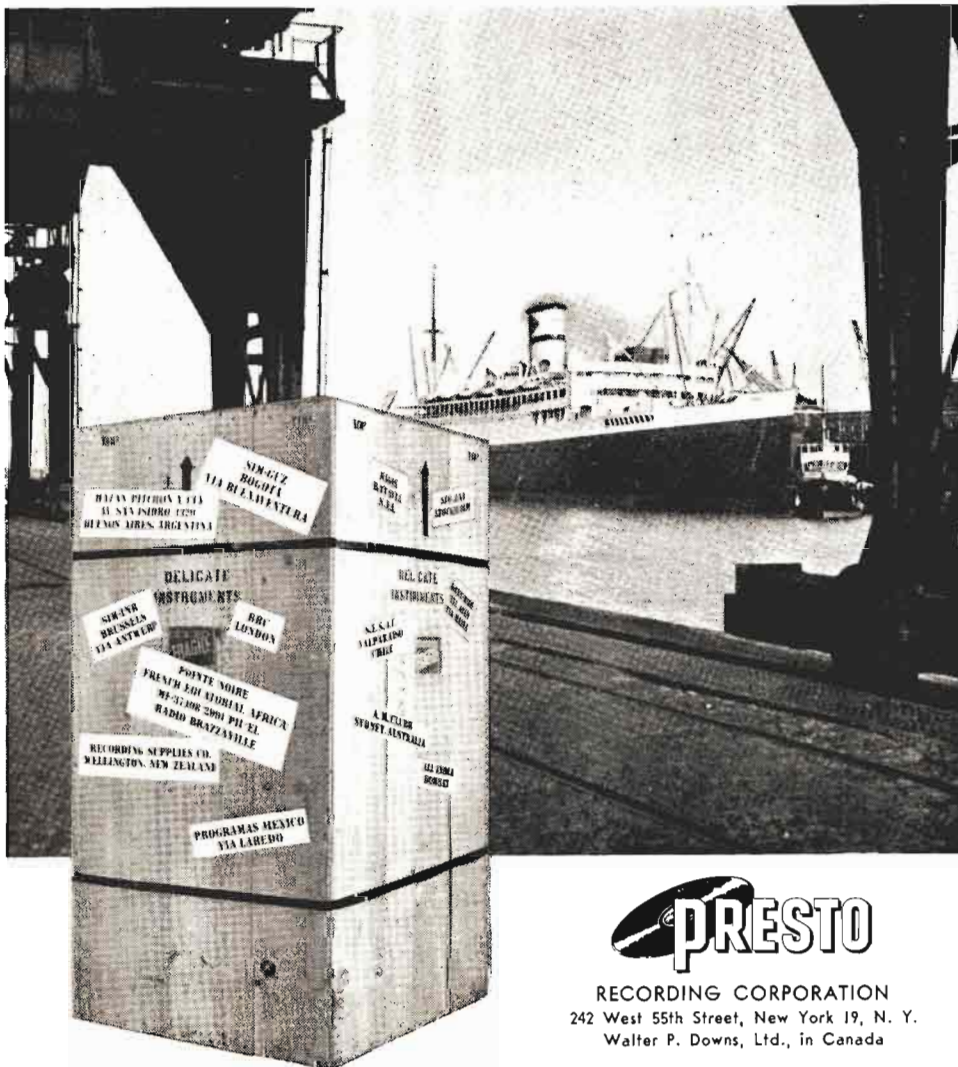
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TUBE INDUSTRY OUTLOOK

By C. J. HARRISON, Sales Mgr., Tube Div., Federal Telephone and Radio Corp.

GOING to the top of a convenient hill for the long view, the past year's activities in the American vacuum tube industry look pretty good. The picture yields a panorama of new achievement in tube design, the development of new production techniques, and an acceleration in high powered tube sales which refutes completely the contentions of those prophets of gloom and sales recession who held the stage only 12 months ago. The signs are most encouraging.

At the close of hostilities the tube industry, long geared to a war-time production, was not prepared to meet the sudden over-night demand for tubes suitable for FM. There was a grand industrial stampede. Everywhere, manufacturers scamped about to get into quick production with FM tubes. These tubes, of course, are now available, and the market affords FM types which are entirely satisfactory up to 10 KW output, and 50,000 wattage also is being obtained by using small tubes in multiples. However, a great development work got underway during the past year to achieve a suitable FM tube of 50 KW. A great deal has been accomplished in the industry, although no FM tubes of this rating have been announced up to this writing.

Here in Federal Telephone and Radio Corporation, manufacturing subsidiary of the International Telephone and Telegraph Corporation, we of the Tube Division are interested primarily in the design and production of the larger types of industrial and power tubes, including FM. Naturally, such specializing or concentration narrows the activity to some six of the larger producers in the industry. Speaking for ourselves, and with particular regard for the field of FM, Federal triodes are actually exceeding their exacting specifications in performance on the job. The tubes have been subjected to rigorous and exhaustive development tests for permanence of characteristics, overload capacity and durability. We are recommending the air-cooled triodes of 3,000 and 10,000 watts per pair at 88 to 108 megacycles. So much for FM.

In AM the biggest news relates to the industry's new triodes for 50 KW transmitters, with the thoriated tungsten filaments, featuring lower filament power,

lower hum level and longer service life. Rated conservatively, such tubes have the electrical and structural design to withstand overloads.

In tube manufacture the seemingly smallest details are a big factor in achieving a lasting performance. Most vacuum tubes, designed for a given job, look much alike. Still, there is a difference. It may be a difference of no more than a hundredth of one percent in the purity of certain raw materials used, or the difference of a few thousandths of an inch on the spacing of internal elements. Yet these ordinarily unseen details mean much in terms of tube life and performance, and "Watch the Details" is fast becoming the standard shop slogan of the industry.

As an old line tube company, Federal, now in its 39th year, naturally takes a deep interest in new developments in the business, particularly in the direction of the industry's improvement and welfare. Although the idea itself is not precisely new, relatively, it is a new departure in the tube manufacturing business. I am speaking of the merging of many of the objectives of NEMA and the RMA. The two associations have created a round-table known as the Joint Electron Tube Engineering Council which is composed of representative engineers and technicians from the memberships of both organizations. The aim largely is to develop and establish product standards for the vacuum tube industry, and eliminate duplication of effort. To achieve these objectives will greatly benefit both the industry and the tube user. One highly beneficial result has been the data sheet wherein the member manufacturers agree to certain sets of tube specifications and electrical characteristics, guaranteeing the interchangeability of specific tube types irrespective of the manufacturing source, a very definite advantage to the tube user, and enabling the manufacturers to avoid the confusion and chaos of an earlier day.

The American tube industry is on the march, continuing its effort to perfect new manufacturing techniques, to make a better product. Broadcast stations are obtaining tubes of longer service life and at much lower costs. The outlook is bright for a big tube sales year ahead.

HOW TO APPLY FOR A FCC LICENSE

Official FCC Procedure for AM, FM and Tele Licenses

ANY qualified citizen, firm or group may apply to the Federal Communications Commission for authority to construct a commercial standard (AM), frequency modulation (FM), or television broadcast station.

Licensing of these facilities is prescribed by the Communications Act of 1934, which sets up certain basic requirements. In general, applicants must satisfy the Commission that they are legally, technically and financially qualified, and that operation of the proposed station would be in the public interest, convenience and necessity.

The licensing procedure is detailed in Part 1 of the Commission's "Rules Relating to Organization and Practice and Procedure," while station operation is covered by Part 3, "Rules Governing Radio Broadcast Services," and "Standards of Good Engineering Practice."

This statement summarizes the consecutive steps required in applying for au-

thorization to build and operate a commercial broadcast station. The application procedure is substantially the same whether the facility sought is AM, FM, or television broadcast.

Selecting a Frequency

The Communications Act recognizes broadcasting as a competitive industry and invests the Commission with the responsibility of allocating facilities so as to provide a fair, efficient and equitable distribution of radio service.

Standard (AM) broadcast stations operate on "local," "regional," or "clear" channels. Local stations are of 100 to 250 watts power and serve smaller communities; stations of 500 watts to 5 kilowatts cover larger centers of population and surrounding areas; stations of 10 to 50 kilowatt maximum power are for large area coverage, particularly at night.

To determine whether an AM frequency is available for assignment in a particular

(Continued on Next Page)

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area, it is necessary for the applicant to have a channel study made by a competent engineer. The Commission's engineering personnel cannot undertake to make such studies for prospective applicants.

An FM applicant must specify a frequency available to the area intended to be served. The Commission has tentatively allocated geographic blocks of frequencies to accommodate 3500 Class A stations (community) and 1500 Class B stations (metropolitan and rural) throughout the United States. Except in the larger cities, the demand for FM stations has not yet exceeded the supply of available frequencies.

Television channels are apportioned for "metropolitan," "community" and "rural" service.

Applying for a Construction Permit

Once a prospective licensee has decided the type of station he wants to apply for, the next step is to make application for a construction permit. This application must be in writing on a form supplied by the Commission (Form 301, "Application For Authority to Construct a New Broadcast Station or Make Changes in an Existing Broadcast Station," which covers AM, FM and Television broadcast). This form requires information about the citizenship and character of the applicant, as well as his financial, technical and other ability to construct and operate a station, plus de-

tails about the transmitting apparatus to be used and proposed new service. Triplicate copies are required, one of which must be executed under oath or affirmation.

Application Processing

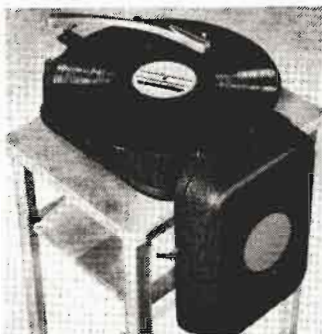
Applications are, in turn, studied by the Commission's Engineering, Law and Accounting Department which make their respective recommendations to the Commission. The system of processing is so designed that applications are considered by different categories in the order in which received.

If, upon examination of an application, the Commission determines that there are no engineering conflicts and that all other requirements are met, the application is granted and a construction permit is issued.

Conditional grants are made to qualified FM applicants subject to their filing, within 90 days, of engineering details concerning their proposed operation. If these technical requirements are met, a construction permit is issued. FM and television stations are permitted interim operation with less than the prescribed power.

All construction authorizations are subject to approval of the transmitter site and antenna system by the Civil Aeronautics Administration in the interests of safety to air navigation.

(Please See Page 1138)



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Hearings

Where it appears that interference would be caused to another station above the degree prescribed in the Commission's "Standards of Good Engineering Practice," or if other serious questions are involved, a hearing is usually required before a determination can be made. Sometimes, also, a hearing is necessary because two or more applications request the same frequency.

In designating an application for hearing, the Commission gives public notice of the issues raised for the information of the applicant and other parties who may be concerned. Prior to the hearing, requests may be made for enlargement of the issues to amend the application, or to permit other parties to intervene.

Usually the hearing date is not fixed until after the applicant agrees to such a hearing and has filed for his appearance. It may, however, be designed in the original notice. The notice generally allows the applicant a period of 30 days or more in which to prepare. Even after being designated for hearing, an applicant may find it possible to satisfy the issues raised by amending his application, especially if there are engineering considerations.

Hearings are customarily conducted by a Commissioner or an examiner. He has authority to administer oaths, examine witnesses and rule upon the admission of evidence. Individual or partnership applicants may appear in person or by counsel, but corporate applicants must be represented by attorney.

Request for Argument

Within 20 days after the close of the hearing, each party has the privilege of filing proposed findings of fact and conclusions in support of his contentions. After review of evidence and statements, the Commission enters its proposed decision.

In the event he wishes to contest the proposed decision, the applicant and any other interested party then has 20 days to file exceptions and to request oral argument before the Commission. Oral argument is granted on request. After oral argument the Commission may adopt, modify or reverse its proposed findings.

In the event that no exceptions are taken, the Commission issues an order making its proposed findings effective. Within 20 days thereafter, any party involved may file a petition for rehearing. Such a petition may be filed whether or not the decision is based upon a hearing, but the petition does not stay the proceedings unless ordered by the Commission.

Construction Permit

When and if an application meets statutory and other requirements, it is granted and a construction permit is issued. The latter specifies a date for commencement and another for completion of construction. A maximum of 60 days from date of grant is provided in which construction shall begin, and a maximum of 6 months thereafter as the time for completion (or 8 months in all). Application to modify a broadcast construction authorization, or to make changes in an existing station, or to modify a license, is made on the same form (301) used in seeking initial construction authorization. If the permittee is unable to build his station within the time specified he can apply on Form 701 ("Application for Additional Time to Construct a Radio Station"), giving the reasons. Upon completion of construction, the permittee can engage in equipment tests.

License

The final step is to apply for the actual license. All applicants for broadcast license are required to fill out Form 302 ("Application for New Broadcast Station License"). Applicants must show compliance with all terms, conditions and obligations set forth in the original application and the construction permit. After applying for a license, the holder of a construction permit can conduct program tests for a period not to exceed 30 days, or any extension thereof. A station license is then issued if no new cause or circumstance has come to the attention of the Commission that would make operation of the station contrary to public interest.

Standard broadcast stations are licensed for the statutory limit of three years; FM and television stations for one year. Applications for renewal of license are made on Form 303 ("Application for Renewal of Broadcast Station License").

Forms for Other Purposes

In the event that a construction permit has expired, reinstatement may be sought on Form 321 ("Application for Construction Permit to Replace Expired Permit").

If the holder of a construction permit or license desires to assign the same to someone else, he makes application on Form 314 ("Application for Consent to Assignment of Radio Broadcast Station Construction Permit or License").

Should the permittee or the licensee wish to transfer corporate control, he applies on Form 315 ("Application for Consent to Transfer Control of Corporation Holding Radio Broadcast Station Construction Permit or License").

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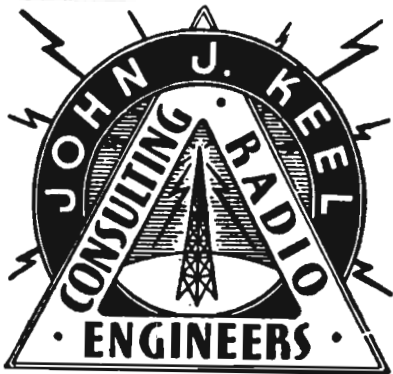
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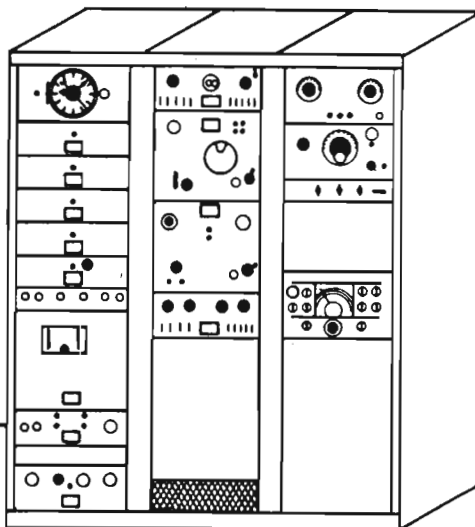
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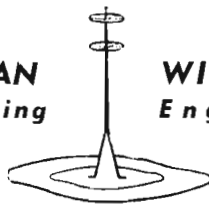
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Export Mgrs.....Rocke Intern'l Corp.
Service Mgr.....G. W. Vater

BRANCH OFFICES: All key cities.

PRODUCTS: A.C. Across the line starters, A.C. Reduced Voltage starters, A.C. Multi-speed starters, A.C. Combination starters, D.C. Across the line starters, D.C. Reduced voltage starters, Push Buttons, Limit Switches, Pressure Switches, Timing Relays, Float Switches, Relays, A.C. and D.C., Zero Speed and Plugging switches, Temperature controls, Solenoids, Compression type rheostats, Special A.C. and D.C. panels, Control centers, Fixed composition resistors, Adjustable composition resistors (volume controls, tone controls, rheostats, etc.).

American Coil & Engineering Co.

1271 North Hermitage Ave., Chicago 22, Ill.
Phone: Humboldt 3803

PresidentD. Sackheim
Sales Manager.....P. W. Lawrason
Chief Engineer.....S. M. Brainin
Credit Manager.....Z. L. Ross
Purchasing Agent.....W. J. Slater
New York, N. Y., Export

Managers.....L. Minthorne Co.
Works Manager.....A. Wetle

PRODUCTS: Audio and Radio Frequency Coils; Transformers and Chokes—Output and Power; Solenoid Assemblies; Hearing Aid Transformers; Ignition Transformers; Stat-ors; Field Coils; Layer Wound Solenoids; Clock Coils.

American Condenser Co.

4410 No. Ravenswood Ave., Chicago 40, Ill.
Phone: Longbeach 1386

PartnerL. J. Menschik

Purchasing Agent.....W. Norder
Superintendent M. E. Hussey
Sales Manager.....W. J. Johnston
BRANCH OFFICES: All key cities.
PRODUCTS: Condensers.

American Microphone Co.

370 So. Fair Oaks Ave., Pasadena 2, Calif.
Phone RYan 1-7444
General Manager.....F. A. Yarbrough
PRODUCTS: Crystal & dynamic micro-
phones, crystal & dynamic phonograph pick-
ups, microphone stands.

American Television & Radio Co.

300 East Fourth St., St. Paul 1, Minn.
Phone: Cedar 3791
Pres. & Sales Mgr.....Albert A. Goffstein
Chief Engineer.....Albert A. Goffstein
Credit Manager.....A. Kuchenbaker
Purchasing Agent.....A. Kuchenbaker
Export Managers.....Lincoln Export Co.
Service Manager.....Aaron Kipp
PRODUCTS: Auto Radio Vibrators, Heavy
Duty Inverter Vibrators, DC-AC Inverters,
Vibrator Packs, Battery Eliminators, and Rec-
tifier Power Supplies.

American Transformer Co.

178 Emmet St., Newark 5, N. J.
Phone: Bigelow 3-4444
President.....Thomas M. Hunter
Vice-President.....Walter Garlick, Jr.
Mgr., Electronic Sales.....F. K. Hawkinson
Mgr., Electronic Apparatus...John F. Harris
Purchasing Agent.....E. H. Bard
PRODUCTS: Amplifiers, ballast transform-
ers for fluorescent lighting, distribution
transformers, electronic components, indus-
trial-dry type-indoor or outdoor use indus-
trial transformers, air cooled industrial phase
changers, modulation reactors, modulation
transformers, net work transformers, oil or
abestol-immersed plate transformers, power
transformers, precipitation transformers, ra-
dio type "P" precision line, radio silcor line
audio components, rectifiers, regulators, test
sets, transtats, "W" type transmitter, wave
filters, welding and soldering transformers.

Amperex Electronic Corp.

25 Washington St., Brooklyn 1, N. Y.
Phone Main 5-2050
PresidentNicholas Anton
Exec. Vice-Pres-Sales
ManagerSamuel Norris
PRODUCTS: Electronic tubes for com-
munication, industrial, television, electro-
medical and special purposes.

Amy, Aceves & King, Inc.

11 West 42nd St., New York 18, N. Y.
Phone LOngacre 5-6622
PresidentErnest V. Amy
V. P.-Treasurer.....Frank King
Secretary.....Julius G. Aceves

Sales Manager.....F. A. Klingenschmitt
PRODUCTS: Antenna Systems, Television
and FM Antennas. Electronic Developments.

Andrea Radio Corp.

27-01 Bridge Plaza North, L. I. C. 1, N. Y.
Phone: Stillwell 4-5411
President.....F. A. D. Andrea
Chief Engineer.....H. J. Heindel
PRODUCTS: Radio and Television Re-
ceivers and Phono. combinations.

Andrew Corporation (Formerly Andrew Co.)

363 East 75th St., Chicago 19, Ill.
Phone: Triangle 4400
Chairman of the
BoardDr. Victor J. Andrew
PresidentA. S. Andrew
Chief Engineer.....C. Russell Cox
Comptroller & Credit Mgr.....W. J. Mather
Purchasing Agent.....W. B. Humphreys
Advertising Manager.....C. Russell Cox
Industrial Relations Mgr.....Dora Smith
Export Manager.....James F. White
PRODUCTS: Coaxial Transmission Lines,
Phasing and Tuning Equipment.

Ansley Radio Corp.

41 St. Joes Ave., Trenton 9, N. J.
Phone: 4-1175
President-Chief Engr.....Arthur C. Ansley
Sales Mgr.....J. Cameron Gordon
Credit Mgr.....Anne J. Dawson
Purchasing Agent.....Karl Brunner
PRODUCTS: Radio-phonograph combina-
tions (Ansley Dynaphone), Electronic piano
(Ansley Dynatone), Built-in-wall radio (An-
sley Paneltone).

The Astatic Corp.

Harbor & Jackson Sts., Conneaut, Ohio
Phone: 12-656
President-Gen. Mgr.....F. H. Woodworth
V.P.-Chief Research Engr...C. M. Chorpeneing
Treasurer-Asst. Gen. Mgr.....G. B. Fraser
Sales Mgr.—Jobber Div...R. T. Schottenberg
Gen. Sales Mgr.....W. J. Doyle
Chief Engineer.....A. G. Morrell, Jr.
Purchasing Agent.....H. G. Green
Secty.....F. H. Kublman
Factory Superintendent.....W. M. Semple
Personal Dir.....F. H. Kublman
BRANCH OFFICES: All key cities.
PRODUCTS: Microphones, phonograph
reproducers, replacement reproducer cart-
ridges, microphone stands, recording heads
and accessories.

Audak Company, Inc.

500 Fifth Ave., New York 18, N. Y.
Phone LA 4-3723
PresidentMaximilian Weil
Vice Pres.....Geo. V. Sullivan
BRANCH OFFICES: All key cities.
PRODUCTS: Cutting Heads, Electronic
Acoustic Apparatus.

Audio Devices, Inc.

444 Madison Ave., New York 22, N. Y.
Phone: PLaza 3-0973

President.....Wm. C. Speed
Vice-President.....Bryce Haynes
Research Engineer.....E. W. Franck
BRANCH OFFICE: Allan H. Bodge, West Coast Mgr., 844 Seward St., Hollywood, Calif.
PRODUCTS: Recording Discs (Audiocassettes), Recording and Playback Points (Audiopoints), Audio Tape.

Automatic Manufacturing Corp.

65 Gouverneur St., Newark, N. J.
Phone: Humboldt 5-2100

President.....Martin H. Benedek
Vice-Pres., Charge of Sales....Bert E. Smith
Chief Engineer.....Joseph R. Mazzola
Comptroller.....M. E. Silver
Plant Mgr.....J. A. Heimbruch
PRODUCTS: Mica trimmer condensers, intermediate frequency transformers, radio frequency coils, R. F. choke coils, adjustable padder condensers, permeability tuners.

John F. Beasley Construction Co.

P. O. Box 1624, Muskogee, Okla.
Phone 4762

President.....John F. Beasley
Secty.-Treas.....James H. Beasley
Erection Superintendent....Sydney N. Beasley
Office Manager.....C. A. McLarty, Jr.
BRANCH OFFICES: 1614 Mercantile Bank Bldg., Dallas, Texas, Phone, Riverside 3228, Roy D. Sprague; 20 N. Wacker Drive, Chicago, Ill., Phone, State 1846, Andrew B. Lytle.
PRODUCTS: Steel erectors (radio towers).

Bendix Radio (Division of Bendix Aviation Corp.)

East Joppa Rd., Baltimore 4, Md.
Phone: Tuxedo 4020

Gen'l Mgr.....W. P. Hilliard
Dir. Engr. & Research.....W. L. Webb
Chief Engr. Radio & Tele....P. C. Hierath
Chief Engr. Comm. Products....A. E. Abel
Chief Research Engr.....A. C. Omberg
Radio & Tele. Sales Mgr.....J. T. Dalton
Mgr. Distribution, Radio & Tele.....H. H. Silliman
Dir. of Engineering & Research..W. L. Webb
Dir. of Industrial Relations.....R. Smith
Advertising Manager—Radio and Television.....Earl L. Hadley
Sales Manager—
Communications Radio...J. W. Hammond
PRODUCTS: Aviation radio receivers, transmitters, radio compasses, electronic broadcast receivers and radio-phonograph combinations, television receivers, headphones, microphones.

Bliley Electric Company

Union Station Building, Erie, Pa.
Phone: Erie 26-857

President.....F. D. Bliley
V.P. & Sales Manager.....G. E. Wright
V.P. & Chief Engineer.....J. M. Wolfskill
Treas. & Credit Mgr.....D. F. Stout
Purchasing Agent.....S. E. Riley
Industrial Relations Mgr.....R. R. Johnson
PRODUCTS: Quartz Crystals, Crystal Controlled Oscillators and Crystal Ovens.

William Brand & Co.

276 Fourth Ave., New York 10, N. Y.
Phone: ORchard 4-6960
Partners.

William Brand, William Naumburg, Jr.
Sales Manager.....J. R. Garey
BRANCH OFFICE: 325 W. Huron St., Chicago, Ill., Phone, Superior 9-733, Manager, Earl W. Brinson.
PRODUCTS: Insulation, electrical, Tuhing, Varnished Cotton, Glass, Tubing, Varnished, Plastic, Extruded Tubing Cambric, Varnished, Mica block, films, splits and splittings, Mica-Plate, segments, Wire, Thermoplastic insulated.

Brooks Electronics, Inc.

34 DeHart Place, Elizabeth 2, N. J.
Phone: Elizabeth 2-7600

President.....Lincoln Walsh
Sales Manager.....J. Ray Edinger
Chief Engineer.....J. Ray Edinger
Credit Manager.....Helen Anthony
Purchasing Agent.....Helen Anthony
PRODUCTS: High Quality Audio Amplifiers.

Browning Laboratories, Inc.

750 Main St., Winchester, Mass.
Phone: 2121

President.....G. H. Browning
V. P.....R. L. Purrington
Chief Engineer.....F. A. Spindell
Prod. Mgr.....S. C. Sullivan
Head Test Tuhe Dept.....H. L. Smith
SALES REPRESENTATIVES: All key cities.
PRODUCTS: Frequency Meters, Cathode Ray Oscilloscopes, 60-cycle Calibrators, Regulated Power Supplies and Square Wave Generators, Super-high Frequency Signal Generators, Frequency Calibrators, Capacitance Relays, Electronic Capacitance Alarm Systems, FM-AM Tuners, FM Tuners.

The Brush Development Company

3405 Perkins Ave., Cleveland 14, Ohio
Phone: Encicott 3315
General Manager and
Chairman of the Board....W. R. Burwell

President & Chief Engineer... A. L. Williams
General Sales Manager.....Blair Foulds
PRODUCTS: Magnetic Recording, Acoustic Products, Instruments, Crystals.

William W. L. Burnett Radio Lab.

4814 Idaho St., San Diego 4, Calif.
Phone Talbot 4943

Owner-Chief Eng.... William W. L. Burnett
PRODUCTS: Piezo-Electric Crystals, Holders, Constant Temperature Ovens, Frequency Measuring Equipment, Laboratory Equipment, Conducting of Radio Laboratory Measurements, Frequency Monitoring Service, Special Laboratory Testing Equipment, Consulting Radio Engineers.

Chicago Telephone Supply Co.

1142-1232 W. Beardsley Ave., Elkhart, Ind.
Phone: 1205

President.....F. C. Best
Gen. Supt.....B. S. Turner
Sales Manager.....W. A. Nicely
Chief Engineer.....W. H. Budd
PRODUCTS: Volume controls, tone controls, associated switches.

Clarostat Mfg. Co., Inc.

130 Clinton St., Brooklyn, N. Y.
Phone: Main 4-1190

Pres.-General Manager.....Victor Mucher
Sales Mgr. Distributors
Div.Fran Chamberlain
Secretary.....Charles H. Burnell
V.P.-Chief Engineer.....George Mucher
V.P. Chg. Sales.....I. J. Youngblood
PRODUCTS: Fixed and Variable Power Resistors, Power Rheostats, Power Resistor Decade Boxes, Wire Wound Potentiometers, "T" "L" Gism Pads, 25 and 10 Watt Attenuators, Special Resistor Products, and Composition Potentiometers.

Collins Radio Co.

855-35th St., N.E., Cedar Rapids, Iowa
Phone: 3-0281

President.....Arthur A. Collins
Exec. V. P.—New York.....W. J. Barkley
Vice President-Gen. Mgr.....R. S. Gates
Vice-President Chg. Engr. &
Mfg.....L. M. Craft
Secretary-Treasurer.....S. J. Storm
BRANCH OFFICES: 11 W. 42nd St., New York 18, N. Y., Phone, Longacre 4-3930-1,2-3, Executive, W. J. Barkley; 458 S. Spring St., Los Angeles-13, Cal., Phone, Madison 6-2251, Carl W. Service.

PRODUCTS: Standard and FM broadcast station transmitters, speech equipment and accessories, Radio communication ground station and airborne transmitters and receivers for Government, commercial airlines and other industrial users. Radio amateur transmitters, receiver, exciters and variable frequency oscillators. Mechanical and electronic industrial control devices.

Colonial Radio Corp.

254 Rano St., Buffalo 7, N. Y.
Phone: Riverside 2450

President.....D. G. Mitchell
Exec. V.P.....E. E. Lewis
V.P. Chg. Opr.....L. S. Kimball
V. P. in charge of Eng.....H. C. Forbes
V. P.-Comptroller.....H. E. Riordon
Purchasing Agent.....J. H. Dray
Mgr.-Industrial Relations....Howard Hagen
Sales Mgr.—Automotive
Division.....C. H. Symington
Service Manager.....R. K. Pew
BRANCH OFFICES: Bloomington, Ill., Phone, 7631; Riverside, Calif., 601 Fisher Bldg., Detroit, Mich., Phone, Madison 7251; 1280 Main St., Buffalo 9, N. Y.

PRODUCTS: AM and FM radio receivers, automobile receivers, battery operated radio receivers, radio-phonograph recorder combinations, television receivers.

Columbia Records, Inc.

1473 Barnum Ave., Bridgeport 8, Conn.
Phone: Bridgeport 6-0181

President.....Edward Wallerstein
Exec. Vice Pres.....Mefford R. Runyon
Vice President.....Adrian Murphy
Vice Pres. in Charge of West Coast Operations.....Andrew J. Schrade
Vice Pres. in Charge of Sales.....Paul E. Southard
Vice Pres. in Charge of Manufacturing and Engineering.....James H. Hunter
Engineer in Charge of Recording Development.....William Bachman
Treasurer.....William G. Wilkins
Director of Purchases...Robert P. Robinson
Director of Advertising.....John Birge
Director of Personnel....Elmer P. Eldridge
Export Manager.....Ralph Alarcon
Service Manager.....William Madelung
PRODUCTS: Phonograph Records, Phonograph Needles and Electrical Transcriptions.

Communication Equipment & Engineering Co.

5646 W. Race St., Chicago 44, Ill.
Phone: ESTebrook 3109-10

President-Sales Mgr....Robert A. Clark, Jr.
Credit Mgr.-Purchasing Agent..R. E. Meyers
PRODUCTS: Transmitters, receivers, amplifiers and test equipment, carriers telephone and telegraph equipment.

Continental Carbon, Inc.

13900 Lorain Ave., Cleveland 11, Ohio
Phone: CLearwater 6500

President.....G. F. Benkelman
Vice-President.....J. W. Jira
Purchasing Agent.....W. M. Wood
Factory Mgr.....D. Fairchild
PRODUCTS: Fixed composition resistors, Nobleloy Precision Resistors, Auto Radio Suppressors, Capacitors, Filternoys.

Continental Electric Co.

715 Hamilton St., Geneva, Ill.
Phone: Geneva 4140

President & Treasurer....Milton Ritzenberg
Secretary-Sales Mgr....MacDonald Goodwin
Chief Engr.....Serge Pakswer
Asst. Sect.-Asst. Treas...Jane E. DeVleshower
Purchasing Agent.....L. R. Boynton
Adv. Mgr.....MacDonald Goodwin

PRODUCTS: Electronic tubes, phototubes, rectifier tubes, grid control tubes, fluorescent lamps, ultra violet and stationary lamps. Special tubes of all kinds.

Continental Electronics Mfg. Co.

1728 Wood St., Dallas 1, Texas
Phone: Riverside 3611

President.....James O. Weldon
Vice-President.....Lester H. Carr
Secretary.....Dorothy F. Weldon

PRODUCTS: Antenna Phasing Equipment, Radio Frequency Components for Standard Broadcast Stations, Custom Building of Radio Transmitting Equipment.

Cornell-Dubilier Electric Corp.

333 Hamilton Blvd., S. Plainfield, N. J.
Phone: PLainfield 6-9000

President.....Octave Blake
Vice-President.....William Dubilier
Vice-Pres.-Treas.....Hain Beyer
Vice-President.....Wm. M. Bailey
Vice-President.....Chas. H. Caine
Vice-President.....Paul McK. Deelev
Vice-President.....Felix Weiss
Vice-President.....T. E. Abeel
Vice-President.....Max Bleich
Secretary.....Kenneth E. Ryan
Asst. Treasurer.....L. F. Geiser
Asst. Secretary.....M. F. Keating
Comptroller.....J. A. Bertolacci

PRODUCT: Capacitors.

Corning Glass Works

Corning, New York
Phone: Corning 372

President.....W. C. Decker
Mgr. Electrical Prod. Div.....John L. Ward
Mgr. Technical

Prod. Div.....Russell Brittingham
BRANCH OFFICES: Key cities.

PRODUCTS: Glass envelopes for tubes used for radio receiving, broadcasting, cathode ray, television and all other electronic purposes, tubing and special sealing glasses, insulators, coil forms, resistor tubes, metallized glassware, including timmer capacitors, resistors, etc.

Cornish Wire Co., Inc.

15 Park Row, New York 7, N. Y.
Phone CO 7-2525

President.....John Cook

Vice President.....W. F. Osler, Jr.
Treasurer.....J. C. Stagg
Secretary.....J. E. Hoffman
Sales Manager.....W. F. Jessup

PRODUCTS: Radio wire products including electronic and intercommunicating wires and cables, electric wire products including lamp cords, fixture wire, rubber jacketed cords, and cord sets.

Crosley Division

(Avco Manufacturing Corp.)

1329 Arlington St., Cincinnati 25, Ohio
Phone: KIrby 6600

President.....I. B. Babcock
General Manager.....R. C. Cosgrove
Dir. of Research & Engr.....L. M. Clement
Adv. Mgr.....S. D. Mahan
Purchasing Agent.....Frank Warner
Gen. Sales Mgr.....Norman C. MacDonald
Mgr. Radio Sec.....Stanley Glaser
Credit Mgr.....John J. Hope
Export Mgr.....Tye M. Lett, Jr.

PRODUCTS: Radio—AM, FM, Television.

De Mornay-Budd, Inc.

475 Grand Concourse, New York 51, N. Y.
Phone: Melrose 5-1900

President.....Richard DeMornay
Vice President.....Edward F. Meyers
Asst. to Pres.....Walter Read
Plant Manager.....Lou Della Penna
General Sales Mgr.

Electronic Div.....Jack Hartigan
General Sales Mgr.

Photographic Div...Bernard B. Deitchman
Executive Engineer.....Robert Clarke
Sales Engineer.....Samuel Freedman
Purchasing Agent.....Robert Heffernan
Chief Electrical Engineer...Leonard Sherbin
Chief Physicist.....G. Fonda Bondari

PRODUCTS: Microwave RF Complements, Test Equipment, Microwave Receivers, Microwave Transmitters, Modulators, Microwave Antennas, Airborne Radar Systems, Marine Radar Systems, Point to Point Relay Systems, Radar Beacons.

Doolittle Radio, Inc.

7421-23 S. Loomis Blvd., Chicago 36, Ill.
Phone: Radcliffe 4100

President.....E. M. Doolittle
Sales Manager.....H. V. Carlson

BRANCH OFFICES: Manufacturers representatives throughout the United States.

PRODUCTS: Radio Communications Equipment, Frequency Monitors.

Allen B. DuMont Labs., Inc.

2 Main Ave., Passaic, N. J.
Phone Passaic 3-1616

President.....Allen B. Du Mont
Vice-President.....Leonard F. Cramer

Secretary.....**Bernard Goodwin**
Treasurer.....**Paul Raibourn**
Mgr. DuMont Tele

Network.....**Lawrence Phillips**
Gen. Mgr. Mfg. Div......**C. Edwin Williams**
Mgr. Purchasing Div......**Lawrence Fuller**
Gen. Mgr. Mfg. Div......**C. Edwin Williams**
Dir. of Research.....**Thos. T. Goldsmith, Jr.**
Controller.....**B. L. Graham**
Gen. Mgr. Tele Sales.....**Ernest A. Marx**
Plant Supt......**Bruce T. DuMont**
Personnel Director.....**H. Hosten**

BRANCH OFFICE: 515 Madison Ave., New York, N. Y., Phone, PLaza 3-9800.

PRODUCTS: Television Receivers, Transmitters and Studio Equipment, Cathode-Ray Tubes and Oscilloscopes.

Dumont Electric Corp.

34 Hubert St., New York 13, N. Y.

Phone: CAnal 6-7980

President & Chief Engr......**Jacob Katzman**
Sales Manager.....**Philip Dubilier**

PRODUCTS: Paper, electrolytic and mica condensers.

DX Radio Products Co., Inc.

2300-10 W. Armitage Ave., Chicago 47, Ill.

Phone: Armitage 3740

Sales Manager.....**George H. Timmings**
Serty. Treas......**Louis J. Patla**
Chief Engr......**Maurice P. McLean**
Credit Manager.....**Corliss Bangart**
Purchasing Agent.....**Chester Lindblade**

PRODUCTS: Transformers.

Hugh H. Eby, Inc.

18 W. Chelton Ave., Philadelphia 44, Pa.

Phone: TENnessee 9-1800

President.....**James L. Hawley**
V. P......**Frank Holmstrom**
Credit Mgr......**William T. Lodwig**
Chief Engineer.....**L. Wanner**
Purchasing Agent.....**Robert E. Weber**

PRODUCTS: Binding posts and terminals, cable connectors and couplings, custom moldings, electric eyes, headphones, knobs, metal stampings, lugs, microphones, photoelectric relays, photocells, phototubes, plugs, screw-machine parts, speaker connectors, terminal plugs, terminal strips and blocks, tube shields (miniature), tube sockets, electrical assemblies of all types for radar, telephones, headsets, microphones; jacks.

Eckstein Radio and Television Co.

Le Roy, Minn.

Phone: 191

President.....**E. A. Eckstein**
Sec'y. Treas......**E. R. Bostrom**
Sales Manager.....**R. J. Benjamin**
Prod. Mgr......**D. F. Boulett**

BRANCH OFFICE: All key cities.

PRODUCTS: Communication type car receivers (Karadio), Multi Band & Fixed Fre-

quency, Farm Radios (L'Tatro), Home radios & special purpose (Eckco), Wiring harnesses for refrigerators & furnaces.

Electronic Engineering Co., Inc.

3223 West Armitage Ave., Chicago 47, Ill.

Phone: Capitol 3130

Pres. & Sales Mgr......**E. J. Rehfeldt**
Vice President.....**J. S. Cislak**
Vice Pres.-Secretary and Chief

Engineer.....**Harry Holubow**
Treasurer.....**K. C. Hawkins**
Credit Manager.....**T. J. Thorkelson**
Purchasing Agent.....**S. Matz**
Export Manager.....**E. J. Rehfeldt**

PRODUCTS: Receiving and Transmitting Transformers and Chokes, all types; Wave Filters; Voltage Regulators; Rectifiers; Saturable Reactors.

Electronic Laboratories, Inc.

24 W. 24th St., Indianapolis 2, Indiana

Phone: Talbot 2442

Actg. President-Ch. of Bd......**N. R. Kevers**
Vice-President-Sales.....**W. E. Peek**
Chief Engr......**W. C. Otto**
Credit Mgr......**R. W. Helton**
Adv. Mgr......**W. E. Peek**
Industrial Rel. Mgr......**Paul W. Briney**
Service Mgr......**F. Theodore Hegeman**
Purchasing Agent.....**George Duke**

PRODUCTS: Vibrators, regulated vibrator power supplies, inverters, converters, rectifier packs, Electrical toys, railroad, marine and bus fluorescent lighting, radios, radio permeability tuners.

Electronic Sound Engineering Co.

4344 West Armitage Ave., Chicago 39, Ill.

Phone: Die 0444

General Manager.....**Bernard J. Sullivan**
Chief Engineer.....**Harry W. Becker**

PRODUCTS: Polyphonic Sound amplifiers for wire recorders and all applications where high fidelity is a requirement. Manufacturing license is also available for this amplifier. Electronic carrier frequency systems for one-wire simultaneous transmission of multiple programs or signals for hotels, schools, hospitals, and institutions.

Electronic Specialty Co.

3456 Glendale Blvd., Los Angeles 26, Calif.

Phone: Normandy 2-2168

General Manager.....**D. A. Marcus**
Chief Engineer.....**S. K. Babock**
Sales Mgr.—Inverter Div......**W. H. Burgess**

PRODUCTS: Ranger aircraft radio equipment: transmitters, receivers, and interphone, the transmitter, the electronic inverter.

Electronic Tube Corp.

1200 E. Mermaid Lane, Phila. 18, Pa.

Phone: Chestnut Hill 7-6800

Pres......**Edward D. Gray**

EQUIPMENT MANUFACTURERS

V.P.-Chief Engineer.....Henry S. Bamford
 SecretaryM. N. Robins
 TreasurerEdward D. Gray
 Purchasing Agent.....Paul A. Keller

PRODUCTS: Standard, Multi-gun, Special purpose Cathode-Ray Tubes, Multi-channel oscilloscopes, Electronic Engineering and development.

Emerson Radio & Phonograph Corp.

111 Eighth Ave., New York 11, N. Y.

Phone: CHelsea 2-1800

President.....Benjamin Abrams
 Treasurer & Export Mgr.....Max Abrams
 V. P.-Engineering & Production

Dorman D. Israel

Adv. Mgr.....P. G. Gillig
 V.P. Chg. Purchasing.....Harvey Tullo
 Service & Parts Mgr.....G. P. Light
 Ind. Rel. Manager.....Peter R. Certo
 Sales Mgr.....Charles O'N. Weissner
 ComptrollerVictor Stevens

BRANCH OFFICE: 666 Lake Shore Drive, Chicago, Ill., Phone, Superior 4100.

PRODUCTS: Home radio receivers—AM and FM radios: table models—AC and AC-DC, compact models—AC-DC, personal models—self powered, portable models—self powered—AC-DC, console models—AC and AC-DC, record players—table models and portables, phonoradios—table models and consoles and portables, portable recorder and playback, television receivers, hearing aid radios, public address system, industrial television, components: speakers, radio vacuum tubes, phonograph needles. Electronic Equipment: radar sets, radio transmitting and receiving sets, electronic navigation equipment, electronic traffic control equipment, marine communication equipment.

Espey Manufacturing Co., Inc.

528 E. 72nd St., New York 21, N. Y.

Phone: BUtterfield 8-2300

President-Sales Manager.....Nathan Pinsky
 V.P. Chg. Mfg.....Sol Pinsky
 V.P. Chg. Engr.....John Benedikt
 Export Mgr.....J. E. Chorlian
 Service Mgr.....John Biesiadecki
 Pur. Agent.....Gordon Poole
 Credit Mgr.....Max Goldberg
 Ind. Rel. Mgr.....Julius Treuman

PRODUCTS—Receiving sets, radio-phonograph combinations, FM receiving sets, record-players, television sets, television kits.

Fada Radio & Electric Co., Inc.

525 Main St., Belleville 9, N. J.

Phone: BE 2-5680

President.....J. M. Marks
 Secretary-Treasurer.....D. I. Marks

Chief Engr.....D. Brandt, Sr.
 Vice Pres.....S. N. Marks
 Asst. Secty.....I. N. Marks
 Sales Manager.....A. Wellington
 Advertising Manager.....H. N. Lubet
 Export Manager.....H. N. Laubet
 Supt.J. Lewandowski

PRODUCTS: Table Model Radios, Console Radios, Table Model FM Receivers, Farn Radios, Combinations, Home Recorders, Phonographs, Television Sets, Export Models, Portable Radios.

Fairchild Camera and Instrument Corporation

38-06 Van Wyck Blvd., Jamaica 1, N. Y.

Phone Jamaica 6-3800

President.....J. S. Ogsbury
 Exec. Vice-Pres.....E. Robinson
 Vice-President—Sales.....C. A. Harrison
 Vice-Pres. & Secy.....C. L. Terrill
 Vice-President.....J. A. Hewlett
 Treasurer.....J. H. Dalton
 Dir. Eng. & Research.....R. H. Lasche
 Asst. Vice-Pres. & Works Manager

R. A. Draghi

Asst. Vice-President.....R. G. Sanders
 Purchasing Agent.....O. Leutz
 Dir. of Publicity.....R. H. Bailey
 Advertising Manager.....H. K. Yulke

PRODUCTS: Sound recorders (console and portable), unitized amplifier system, transcription turntables, dynamic pick-ups, magnetic cutterheads, precision potentiometers, fractional horsepower synchronous motors.

Farnsworth Television & Radio Corp.

3702 E. Pontiac St., Fort Wayne 1, Indiana

Phone: Anthony 5301

President.....E. A. Nicholas
 Vice-President-Secretary.....E. M. Martin
 Vice-President—Sales.....D. M. Allgood
 Vice-President—
 Engineering.....B. Ray Cummings
 Vice-President—

ManufacturingWilliam Clausen
 Treas.....Paul H. Hartmann
 Assistant Secretary-Assistant

TreasurerC. H. Wiggin
 AuditorW. F. Hoepfner
 Manager of Research.....Madison Cawein
 Chief Engineer, Electronic Apparatus

Division.....J. C. Ferguson
 Chief Engineer, Radio-Television
 DepartmentW. H. Myers
 Director of Public

Relations.....E. E. Ferrey
 Manager of Broadcast

Division.....Pierre Boucheron
 Manager of Advertising and Sales

Promotion.....John S. Garceau

Manager of Mobile Communications
Division.....John A. Curtis
Sales Manager—Farnsworth
Division.....J. H. Kelly
Sales Manager—Capchart

Division.....I. C. Hunter
Managing Director—International

Division.....E. M. Roberts
Director of Purchases.....E. S. Needler
Credit Manager.....W. H. Bryant

BRANCH OFFICES: 3301 S. Adams St.,
Marion, Ind., Phone, 4600. Glenn Kelso:
205 Lucretia St., Huntington, Ind., Phone,
1331, Russell H. Hamman; 805 W. Walnut St.,
Bluffton, Ind., Phone, 911. W. H. Rupley.

PRODUCTS: AM-FM radios and phono-
graph-radios, Capchart and Panamuse by
Capchart; automobile radios, television re-
ceivers, television transmitting equipment,
television studio equipment, television-tele-
metering equipment, FM transmitters, rail-
road radio communications equipment, mo-
bile communications equipment automatic
record changers, television tubes, television
antennas.

Federal Telephone and Radio Corp.

100 Kingsland Rd., Clifton, N. J.

Phone: Nutley 2-3600

President.....Sosthenes Belm
Dir. Radio Div.....L. B. Blaylock
Chief Engineer—Radio

Div.....Francis X. Rettenmeyer

BRANCH OFFICES: 343 N. Michigan
Ave., Chicago 11, Ill., Phone, Central 6900,
Harold KaDell; 8 DuPont Circle, Washing-
ton, D. C., Phone, Michigan 0622, E. J.
Girard.

PRODUCTS: Complete broadcast systems
—AM, FM, TV; FM square-loop antenna;
AM-FM-TV transmitting and rectifying tubes;
mobile communications; coaxial cable; FM
and lead-in wire; selenium rectifiers; home
radio receivers.

Finch Telecommunications, Inc.

4th & Virginia Sts., Passaic, N. J.

Phone: Passaic 2-3440

President.....W. G. H. Finch
V.P. Dir. Sales.....A. J. Eaves
Dir. Research.....Dr. LaVerne Philpott
Purchasing Agent.....William O'Brien
Adv. Mgr.....A. J. Eaves
Chief Engineer.....Richard E. Mathes

BRANCH OFFICE: 10 E. 40th St., New
York 16, N. Y. Phone, MU 5-7976.

PRODUCTS: Facsimile, recording paper,
Finch rocket antennas.

A. W. Franklin Mfgr. Corp.

43-20 34th St., Long Island City 1, N. Y.

Phone: STillwell 4-1160

President.....Albert W. Franklin
V.P.—Engineering Prod.....Joseph M. Vanauzi
Vice-President—Sales.....N. H. Lawton

Credit Manager.....Fred Weller
Purchasing Agent.....S. Yurman
Ind. Rel. Manager.....William Telnoss

PRODUCTS: Sockets, plugs, switches,
terminal strips, plastic and metal fabrica-
tions and assemblies, locking rings, metal
stampings, plastic molded products, air-loops.

Freed Radio Corp.

200 Hudson St., New York 13, N. Y.

Phone: Walker 5-8765

President.....Max Adelberg
Vice-President-General Mgr.....Arthur Freed
Purchasing Agent.....Melvin Zalkin
Chief Engr.....Murray Weinstein

PRODUCTS: Manufacturer of Freed-Eise-
mann high-fidelity radio-phonograph com-
binations, all incorporating frequency modu-
lation band.

Garod Radio Corporation

70 Washington Street, Brooklyn 1, N. Y.

Phone: MAin 4-6044

President.....Leonard Ashbach
Asst. to President.....Maurice Raphael
Vice-President.....Louis Silver
Chief Engineer.....Barnet S. Trott
Credit Manager.....Benjamin Orlin
Purchasing Agent.....Sol Predeger
Advertising Manager.....Joseph G. DeVico
Industrial Relations Mgr.....Bernard Marks
Export Manager.....Ernest Nigaglioni
Service Manager.....Carl Volpe

PRODUCTS: Receivers: Battery—Console,
Table, Personal, Portable; Electric — AM
Midget, AM Table, AM Console, AM Portable
AC-DC, AM Console with Phonograph, AM
Console with Phonograph and Recorder;
AM-FM Table, AM-FM Console with Phono-
graph; AM-FM Console with Phonograph
and Recorder; Television—Table, with FM,
with AM, with FM-AM; Console, with FM,
with AM, with FM-AM and Phonograph.
Record Players.

Gates Radio Company

123 Hampshire Street, Quincy, Illinois

Phone: Quincy 522

President.....P. S. Gates
Sales Manager.....F. J. Pippenger
Chief Engineer.....F. O. Greenwood
Credit Manager.....L. I. McEwen
Purchasing Agent.....J. P. Bowers
Advertising Manager.....F. J. Pippenger
Industrial Relations Mgr.....L. I. McEwen
Export Manager.....F. J. Pippenger
Service Manager.....F. W. Wentura

PRODUCTS — Transmitters: Standard
Broadcast, FM Broadcast, VHF Broadcast,
Short Wave Broadcast, Relay, Fixed Station,
Marine, Emergency Services, Broadcast
Speech Input; Remote Amplifying; Profes-
sional Recording Equipment; Special Am-
plifying Equipment (fatigue amplifiers, etc.);
Broadcast Monitoring Equipment.

**General Electric
Electronics Department**

Thompson Road, Syracuse 1, N. Y.
Phone: 64411

President of Company.....C. E. Wilson
Vice-Pres.-Gen. Mgr. Electronics Dept.
Dr. W. R. G. Baker
Genl. Sales Mgr.....A. A. Brandt
BRANCH OFFICES: All principal cities.
PRODUCTS: Receivers, Transmitters,
Tubes, Components.

General Electronics Inc.

101 Hazel St., Paterson 3, N. J.
Phone: Sherwood 2-5271

President.....D. E. Replogle
Sales Manager.....C. G. Hampson
PRODUCTS: Electron power and trans-
mitting tubes, fluorescent starters.

The General Industries Co.

Olive & Taylor Sts., Elyria, Ohio
Phone: 2235

President.....A. W. Fritzsche
Treasurer.....C. F. Russert
Vice-Pres., Sales Mgr. of Mechanical Div.
H. E. Moon
Vice-Pres., Sales Mgr. of Plastics Div.
Steve Hiltelbrant
Chief Engr.-Mechanical Div.
Howard Shumaker
Chief Engr.-Plastics Div.....Russell Smith
Purchasing Agent.....Clete Heindrich
PRODUCTS: Molded plastics — electric
spring phonograph motors, record changers;
recorders — combination record changer;
heater and defroster motors.

General Instrument Corp.

829 Newark Ave., Elizabeth 3, N. J.
Phone: Elizabeth 3-4400

Chairman of the Board.....Samuel Cohen
President.....A. Blumenkrantz
Executive Vice-President.....Richard E. Laux
Vice-President—Sales.....Don J. Phelps
Sales Manager.....George P. Marron
Chief Engineer.....Berne N. Fisher
Comptroller.....A. Konecny
Director of Purchases.....C. B. L. Townley
Purchasing Agent.....C. F. Richardson
Industrial Relations Mgr.....V. J. McMann
BRANCH OFFICES: 737 No. Michigan
Ave., Chicago, Ill., Phone, Delaware 1018,
L. G. Bacher; Room 23, 4th Floor, White
Memorial Bldg., Syracuse, N. Y., Phone
Syracuse 6-0510, R. D. Griffiths.
PRODUCTS: Variable condensers, push
button devices, record changers, loud speak-
ers.

General Laminated Products, Inc.

2857 South Halsted Street, Chicago 8, Ill.
Phone: Victory 0707

President.....Morris Perlman
Chief Engineer.....Lester Lindgren
Purchasing Agent.....Ernest Neustadter
Sales Mgr.....L. Tenenberg
PRODUCTS: Coil Forms, Sockets, Fabri-
cators of Laminated Phenolic Materials.

General Radio Co.

275 Massachusetts Ave., Cambridge 39, Mass.
Phone: TRowbridge 4400

Chairman of Board.....H. B. Richmond
President.....E. H. Locke
Vice-Pres. for Sales.....A. E. Thiessen
Vice-Pres. for Mfg.....C. C. Carey
Secretary-Treasurer.....F. L. Tucker
Export Mgr.....C. E. Hills, Jr.
Chief Engineer.....M. Eastham
BRANCH OFFICES: Key cities

PRODUCTS: Precision radio and elec-
tronic laboratory and testing instruments.

The Hallicrafters Co.

4401 W. 5th Ave., Chicago 24, Ill.
Phone: Van Buren 6300

President.....W. J. Halligan
Exec. Vice-President.....R. W. Durst
Secretary-Treasurer.....J. J. Frendreis
Sales Manager.....R. J. Sherwood
Asst. Sec.-Purch. Agent.....E. J. Corcoran
Assistant Treasurer.....M. P. Heinz
Sales Mgr.....R. J. Sherwood
Asst. Sales Mgr.....C. A. Wiot
Sales Prom. Mgr.....C. Shapiro
Adm. Asst.....R. L. Russell
Vice-President.....L. L. Kelsey
Works Supt.....G. H. Hartley
PRODUCTS: Mfcs. of Radio & Electronic
Equipment.

The Hammarlund Mfg. Co., Inc.

460 West 34th St., New York 1, N. Y.
Phone: Longacre 5-1300

President.....Lloyd A. Hammarlund
V-P & Treasurer.....Joseph Lush
Secretary-Comptroller.....E. A. Wittmer
Chief Engr.....E. A. Leach
PRODUCTS: Manufacturers of precision
communications equipment.

Hartenstine Zane Co., Inc.

225 Broadway, New York 7, N. Y.
Phone: BA 7-8390-1

Gen.-Mgr.Chas. J. Hartenstine
BRANCH OFFICE: 571 Springdale Ave.,
East Orange, N. J. Phone, Orange 4-6054. M.
A. Hartenstine.
PRODUCTS: Specialize in the design of
tower foundations; erecting, lighting and

painting radio towers; installing ground system for AM Broadcasting and all types of antennae and accessories for FM Stations; Maintenance of radio towers, obstruction lighting equipment and FM antennae.

Harvey Radio Laboratories, Inc.

447 Concord Avenue, Cambridge 38, Mass.
Phone: Trowbridge 2800

President.....Frank Lyman, Jr.
Asst. to Pres.....David T. Ferrier
Clerk of Corp.....Ronald W. Martin
Chief Engineer.....Bernard J. Cosman
Purchasing Agent.....Frank Waterhouse
Comptroller.....Gordon C. Gentlner
Prod. Mgr.....George Tompkins
Personnel Dept.....Mary Rizzitano

PRODUCTS: Signal Generators, Power Supplies, Galvascopes, Two-way Radio Communication equipment, FM Studio Broadcast Receivers, FM Station Transmitters, Transmitters for Experimental and Commercial Use.

Hazeltine Electronics Corp.

1775 Broadway, New York 19, N. Y.
Phone: COLUMBUS 5-0791

President.....W. A. MacDonald
Exec. Vice Pres.....W. H. Grinditch
Vice Pres.....Laurence B. Dodds
Vice Pres.....Jack Binns
Vice Pres.....Fielding Robinson
Vice Pres.....Comm. Jennings B. Dow
Treasurer.....John D. Grayson
Secretary.....Paul Armitage
Dir. of Eng.....Arthur V. Loughren

BRANCH OFFICE: 58-25 Little Neck Parkway, Little Neck, N. Y., Phone, Flushing 7-0300, W. A. MacDonald.

PRODUCTS: Radar, Communication and Navigation electronic equipment.

Haydu Brothers

P. O. Box 1226, Plainfield, New Jersey
Phone: Plainfield 6-0878

President.....George K. Haydu
Chief Engineer.....Zoltan Haydu
Sales Mgr.....Al Fleichmann

PRODUCTS: Precision stampings and wire forms for radio, radar and television tubes; burner equipment for glass forming machinery.

Hoffman Radio Corp.

3761 S. Hill St., Los Angeles 7, Calif.
Phone: Prospect 3446

President.....H. L. Hoffman
Vice President.....W. D. Douglas
Secretary-Treasurer.....R. A. Yarcho
Sales Manager.....R. J. McNeely
Comptroller.....C. E. Underwood
Works Manager.....E. F. Gertsch
Purchasing Agent.....S. L. Spraggins
Surplus Manager.....B. L. Fuller

BRANCH OFFICE: Merchandise Mart, 1355 Market St., San Francisco, Calif., Walter J. Epstein.

PRODUCTS: Radios, Radio-Phonographs, Home recording (Musicord), Wire recording (Wirecord).

Howard Radio Co.

1731-35 Belmont Ave., Chicago 13, Ill.
Phone: Diversey 2000

President.....Joseph F. Riley
Sales & Export Mgr.....J. M. Muniz
Sales Mgr.....Howard C. Briggs
Chief Engineer.....W. James

PRODUCTS: AM-FM radios and phonograph combinations, television receivers and other electronic products.

Hytron Radio & Electronics Corp.

76 Lafayette St., Salem, Mass.
Phone: Salem 2260

President.....Bruce A. Coffin
Vice-Pres.....Edgar M. Batchelder
Chairman of Board-Treas.....Lloyd H. Coffin
Sales Manager.....John Q. Adams
Chief Engineer.....C. F. Stromeyer
Credit Manager.....M. S. Jones
Purchasing Agent.....Edward R. Carroll
Industrial Relations Mgr.....A. S. Nelson
Export Mgr.....W. L. Urquhart
Advertising Manager.....Harry G. Burnett

BRANCH OFFICES: 432 Fourth Ave., New York 16, N. Y., Phone, MURray Hill 4-4178, Everett B. Boise, Commercial Engr.; 4000 West North Ave., Chicago 39, Ill., Phone, Capitol 6500, Donald G. Haines, Commercial Engr.; 11 West 42nd St., New York, N. Y., Phone, PENnsylvania 6-2980, W. L. Urquhart.

PRODUCTS: Receiving and electronic tubes; special purpose tubes, ultra violet sun lamps, ballast, voltage regulators.

The Indiana Steel Products Co.

6 N. Michigan Ave., Chicago 2, Ill.
Phone: FRAnklin 1114

President.....A. D. Plamondon, Jr.
Vice-Pres.....G. P. Smith
Sales Mgr.....R. F. Smith
Gen. Mgr. Mfg.....D. D. Cleghorn

BRANCH OFFICES: Key cities.

PRODUCTS: Permanent Magnets: Alnico, Cunico, Cunife, Indalloy, Vectolite, Silmanal, Cobalt, Chrome and Tungsten; Magnetic Recording Tape: Hyflux.

Insuline Corp. of America

36-02 35th Ave., Long Island City 1, N. Y.
Phone ASToria 8-3738

President.....S. I. Spector
Sales Manager.....Bernard L. Cahn
Secretary.....A. S. Spector
Adv. Manager.....A. S. Chambers
Supt.....F. Henneke
Purchasing Agent.....H. Weston

Design Engineer.....V. Harkavy
 Personnel Dir.....C. Horwitz
 Chief Engineer.....John Donato
BRANCH OFFICES: 600 S. Michigan Ave.,
 Chicago 5, Ill., Leroy Beier; 942 Maple Ave.,
 Los Angeles 15, Calif., E. Colman; 154 Nas-
 sau St., New York, N. Y., I. C. A. Export.

PRODUCTS: Radio Receiving-Transmit-
 ting Parts and Accessories, Stamping Metal
 Goods, Radio Chassis, Metal Cabinets, Plugs,
 Jacks, Sockets, Screw Machine Parts, Test
 Tools, Test Leads, Auto Antennas, Auto
 Radio Noise Suppressors.

International Electronic Corp.

1422 Circle Tower Bldg., Indianapolis, Ind.
 Phone: FRanklin 6866

President.....William W. Garstang
 Vice-President.....Donald L. Hings
 Secretary.....George Woodling

BRANCH OFFICE: 281 N. Howard Ave.,
 Vancouver, B. C., Donald L. Hings, Vice-
 Pres.

PRODUCTS: Static Free Radio Receivers,
 Fixed Frequency Receivers, Engineering
 Services.

International Detrola Corporation

Beard Avenue at Chatfield, Detroit 9, Mich.
 Phone: Vinewood 1-8100

V.P. & Gen. Mgr.....G. A. Bodem
 Sales Mgr. Home Radios...Harley R. Wall
 Dir. of Purchases.....G. H. Funk
 Dir. of Engineering.....R. M. Daugherty
 Asst. Secty-Asst. Treas.....R. P. Schmelzer
 Service Manager.....K. L. Granger

PRODUCTS: Receivers: Electric—Com-
 pact, table, portable, console; Battery—Auto-
 mobile, portable, portable AC-DC, table,
 console; Combinations—Radio-Phonograph,
 radio — phonograph — recorder; Frequency
 Modulation—Table, console, FM-AM table,
 FM-AM console; record players and auto-
 matic record changers.

**International Detrola Corporation
 Caswell-Runyan Division
 Huntington, Indiana**

General Manager.....Adolph H. Schenkel
 Sales Mgr.....Fred Tower

PRODUCTS: Radio cabinets.

International Resistance Co.

401 N Broad St., Phila. 8, Pa.
 Phone: Walnut 2-2166

President.....Ernest Searing
 Vice-Pres., Sales.....Harry Ehle
 Vice-Pres. Research.....Jesse Marsten
 Chief Eng.....William H. Knowles, Jr.

PRODUCTS: Fixed and variable resistors.

J. F. D. Manufacturing Co., Inc.

4107 Fort Hamilton Parkway,
 Brooklyn 19, N. Y.
 Phone: GEdney 8-3100

President.....Julius Finkel
 Vice-President.....Albert Finkel
 Secty.Edward Finkel
 Advertising Mgr.....Bernard Bonder
 Development Engr.....Albert Friedman
 Production Engineer.....M. Director
 Factory Foreman.....O. Maltzman

PRODUCTS: Key hex wrenches, Bristo
 spline wrenches, plugs, male; female; AC-DC
 —Continental and Domestic Test Leads, Test
 Prod, Phono Needles, Grille Cloth, Dial
 Pointers, Steel Rule and Wire Gauge, Line
 Cords—Resistance Cords; AC Service Cords,
 "Sockette" Radio Tube Adapters, Exact Dupli-
 cate Ballast Tubes, Phosphor Bronze Dial
 Cable, Battery Adapter Harnesses, Adjustable
 Ballast Tubes, Resistance Cord Adapters,
 Phono Adapter Switches, Microphone Con-
 nectors, Midget Jacks & Plugs, Toggle Switch-
 es, Auto Condensers, Speaker Cement, Ant-
 ennae Loop, Auto Antennas, Battery Plug,
 Tube Shields, Radio Wire, Suppressors, Dial
 Belts, Dial Cord.

**The Jackson Electrical
 Instrument Co.**

16-18 S. Patterson Blvd., Dayton 1, O.
 Phone: Hemlock 4076

President-Sales Manager...Paul F. Jackson
 Chief Engineer.....Robert Apple

PRODUCTS: Test equipment.

Jefferson Electric Co.

25th Ave. & Madison St., Bellwood, Ill.
 Phone: MANsfield 7161

President.....J. C. Daley
 Exec. Vice-Pres.....Alfred E. Tregenza
 Vice-President.....J. M. Benman
 Vice-President.....R. A. Hoagland
 V.-P., Engineer.....L. Maurer
 Executive Engineer.....R. J. Horstman
 Credit Manager.....Victor E. Lee
 Export Manager.....M. J. Schmitt
 Director of Purchases...Edward J. Banigan

PRODUCTS: Power transformers, chokes
 and audio input and output transformers,
 television deflecting yokes, horizontal and
 vertical scanning transformers, centering and
 focusing coils.

Jensen Radio Manufacturing Co.

6601 S. Laramie Ave., Chicago 38, Ill.
 Phone: Portsmouth 7600

President.....Thomas A. White
 Vice-Pres.-Chief Engr....Hugh S. Knowles
 Purchasing Agent.....George H. Turner
 Credit Mgr.....H. E. Venner
 Ind. Rel. Mgr.....L. J. Emerson
 Advertising Manager.....Bayard H. Clark

PRODUCTS: Loudspeakers, reproducers.

Johns-Manville

22 East 40th St., New York 16, N. Y.

Phone LExington 2-7600

Chairman of the Board.....Lewis H. Brown
President.....R. W. Lea
V.P. & Asst. to Ch. of the

Board.....J. P. Syme
V.P. (Relationships).....J. C. Hart
V.P. (Finance).....Alvin Brown
V.P. (Production).....A. R. Fisher
V.P. (Sales).....L. M. Cassidy
V.P. (Research).....C. R. Rassweiler
Treasurer.....Roger Hackney
Secretary.....Vandiver Brown

BRANCH OFFICES: All key cities

PRODUCTS: Acoustical Materials.

Kenyon Transformer Co., Inc.

840 Barry St., Bronx 59, N. Y.

Phone DAYton 9-0100

President.....Franklin P. Kenyon
Vice-President.....Richard B. Shimer

PRODUCTS: Electrical transformers, Re-actors, Wave filters.

Kerrigan Lewis, Mfg. Co.

4421 W. Rice St., Chicago 51, Ill.

Phone: Spaulding 7208

President.....Vincent M. Kerrigan
Vice-Pres./Treasurer.....Charles F. Lewis

PRODUCTS: Magnet and Litzendraht Wire.

Kimble Glass

Division of Owen-Illinois Glass Co.

Ohio Bldg., P. O. Box 1035, Toledo 1, Ohio

Phone: Main 7131

Vice President and General
Manager.....H. K. Kimble
Vice President and General
Sales Manager.....S. J. McGiveran

Mgr., Industrial and Electronics
Division.....R. W. Rogers

Mgr., Sales Promotion
Division.....Harlan Hobbs

PRODUCTS: Cathode Ray Bulbs, hand blown hard and soft glass bulbs, and lime glass tubing.

King Laboratories, Inc.

127 Solar St., Syracuse 4, N. Y.

Phone: 2-5209

President.....Aden J. King
Vice-President.....F. M. Michaelian
Treas.....W. R. MacLeod
Secy.....Barbara H. King

PRODUCTS: Special alloys, chemicals and metals, radio tube parts, metal punchings and stampings, barex getters.

Kings Electronics Co., Inc.

372 Classon Avenue, Brooklyn 5, New York.
Main 2-2086

President.....M. R. Weissman
Vice Pres. & Sales Mgr.....J. H. Robinson

Chief Engineer.....Lou Hoffer
Credit Manager.....M. R. Weissman
Purchasing Agent.....M. Glick
Advertising Manager.....J. H. Robinson
Industrial Relations Mgr.....Lou Hoffer
Export Manager.....J. H. Robinson
Service Manager.....Lou Hoffer

PRODUCTS: FM, Television and Ham Antennas, Variable Condensers, Microphone Plugs and Jacks, Co-axial Connectors, Wave Guides, Wave Traps, Radar Assemblies, Special Electronic Equipment, Television Antenna and Installation Service for Television Manufacturers in Metropolitan New York and Long Island.

Kludge Electronics Co.

1913 Montrose St., Los Angeles 26, Calif.

Phone: Fairfax 4587

President/Chief Engineer Myron E. Kludge
Vice-President.....George R. Maury
Sect.-Treas.....Edward C. Bickhart, Jr.

PRODUCTS: Radio Broadcast Equipment, FM Receivers and Converters, Electronic Photoflash Equipment.

Langevin Manufacturing Corp.

460 West 34 St., New York 1, N. Y.

Phone: LO 3-2500

President.....Carl C. Langevin
Sales Manager.....J. Martinez
Sales Promotion Manager.....H. Harkavy

PRODUCTS: Speech input equipment and audio amplifying facilities, rectifiers, transformers.

Lapp Insulator Co., Inc.

Le Roy, N. Y.

Phone Le Roy 385

President.....J. S. Lapp
Sales Manager.....Brent Mills
Chief Engineer.....Ralph L. Jenner

PRODUCTS: Tower footing and guy insulators; standoff, entrance and antenna insulators; radio frequency high voltage condensers.

Lear, Inc.

110 Ionia Ave., N. W., Grand Rapids 2, Mich.
Phone: 6-9651

President.....William P. Lear
Vice President.....R. M. Mock
Vice President.....E. R. Crane
Secretary & Treasurer.....L. R. Raemer
Sales Manager, Radio & Recorder

Division.....A. W. Korb
Merchandising Manager, Home Radio &
Wire Recorders.....Nate Hast
Sales & Field Service Manager,

Aircraft Radio.....H. J. Hamm
Chief Engineer, Research &
Development.....R. G. Leitner
Aircraft Radio Division.....Earl Evans
New York, Export Manager.....L. Gelin

BRANCH OFFICES: 1860 Broadway, New York, N. Y., Phone, Circle 6-5665, Executive-

in-Charge, C. W. Willis; 11916 W. Pico Blvd., Los Angeles 34, Calif., Phone, Arizona 9-7765, Executive-in-Charge, B. Adams; 666 N. Lake Shore Drive, Chicago, Ill., Phone, Whitehall 6290.

PRODUCTS: Receivers: Battery-table, Portable, Portable AC-DC; Electric—AM Table, AM Portable, AM Console, AM-FM Console; Combinations—Radio-Phonographs; Record Players; Aircraft Receivers and Transmitters, Automatic Radio Compass; Antenna Reels; Magnetic Wire and Tape Recording; Variable Condensers; Record Changers.

Lehigh Structural Steel Co.

17 Battery Place, New York 4, N. Y.
Phone Whitehall 4-1424

Contact.....J. F. Neary
BRANCH OFFICES: In all principal cities.
PRODUCTS: Vertical Radiators, Antenna Towers and Masts. Supporting Towers for FM and Television.

John E. Lingo and Son, Inc.

2814 Buren Ave., Camden, N. J.
Phone Camden 0487

President.....J. E. Lingo
Asst. to President.....Joseph J. Taylor
Chief Engineer.....Wesley Thompson
Production Superintendent..George Burrows
PRODUCTS: Vertical Radiators; Guyed Tubular Steel and Portable Dural; Turnstile and UHF Antennae, Tubular Steel Supporting Poles (for UHF Antennae).

Machlett Laboratories, Inc.

1063 Hope Street, Stamford, Conn.
Phone: 4-5781

President.....R. R. Machlett
Vice-President.....W. E. Stevenson
Treasurer.....J. A. Lambert
Vice President.....H. J. Hoffman
Vice President.....J. W. Skehan
Mgr. Engineer.....T. H. Rogers
Adv. Mgr.....R. N. Kellogg, Jr.
Export Mgr.....A. Foster

PRODUCTS: X-ray tubes for all medical, industrial and special purposes, Valve Tubes, Radio Transmitting Tubes, Communication Tubes, R.F. Heating Tubes.

The Magnavox Company

2131 Bueter Rd., Fort Wayne 4, Indiana
Phone: Anthony 5474

President & Treasurer..Richard A. O'Connor
Executive Vice-President....Frank Freimann
Factory Manager.....L. E. Quinnell
Chief Electrical Engineer, Radio-

Phonograph Division...R. H. Dreisbach
Sales Manager—Components Div.

Stanley S. Sondles

PRODUCTS: Receivers: Combinations radio-phonograph, radio-phonograph modulation-table, console, FM-AM console, television-console, speakers, capacitors, solenoids, sound slide film equipment.

John Meck Industries, Inc.

Liberty at Pennsylvania Sts., Plymouth, Ind
Phone: 33

President.....John S. Meck
Secty. & Controller.....Russell G. Eggo
Treasurer.....C. F. Meck
Prod. Mgr.....R. C. Freytag
Factory Mgr.....Chas. E. Palmer
Purchasing Agt.....J. L. Jones

BRANCH OFFICE: 35 E. Wacker Dr., Chicago, Ill., Phone, And. 3550.

PRODUCTS: Radios, radio-phonograph combinations, phonographs, transmitters, amplifiers, FM converters, etc.

**Meissner Mfgr. Division
Maguire Industries, Inc.**

Bellmont & Seventh Sts., Mt. Carmel, Illinois
President.....Russell Maguire
Phone: 733

Sales Manager.....W. M. Atkins
Prod. Manager.....Fred Lester
Chief Engineer.....W. J. Harrison
Credit Mgr.....C. B. Rafferty
Purchasing Agent.....J. C. Hershman

PRODUCTS: AM & FM radio receivers, radio-phonograph combinations, radio amateur equipment, radio coils for replacement, radio coils for equipment, radio servicemen's test equipment.

Majestic Radio & Television Corp.

900 No. State St., Elgin, Ill.

Phones:

(Chicago Exchange) EST. 6900

(Elgin Exchange) 8300

President.....E. A. Tracey
Vice-President.....Parker H. Erickson
Chief Engineer.....E. B. Passow
Sales Manager.....A. J. Lindholm

PRODUCTS: Home receivers; table model radios; table model radio-phonographs; radio-phonograph consoles, AM and FM.

Measurements Corp.

116 Monroe St., Boonton, N. J.
Phone: Boonton 8-2131

President-Gen. Mgr.....H. W. Houck
Chief Engineer.....Jerry B. Minter
Chief Research Engineer...John van Beuren
Sales Mgr.....Nelson C. Doland, Jr.

Credit Mgr.....Robert Meyer
Advertising Mgr.....Edgar M. Weed

BRANCH OFFICES: Key cities.

PRODUCTS: Standard Signal Generators, Pulse Generators, Square Wave Generators, UHF Radio Noise & Field Strength Meters, Vacuum Tube Voltmeters, Peak Voltmeters, Megohm Meters, Megacycle Meters, R.F. Attenuators, Inductance Bridges, Capacitance Bridges, Phase Sequence Indicators, Moisture Meters, Television Transmission and Receiving Test Equipment, Special Test Equipment, Fixed Capacitors and Resistors, Variable Condensers.

Miles Reproducer Co., Inc.

812 Broadway, New York 3, N. Y.
Phone GRamery 5-9466

President.....Dr. R. Byrne
Sec.-Gen. Mgr.....J. M. Kuhlik, Sc.D.
Chief Engr.....I. W. Kuhlik
Purchasing Agent.....J. V. Conniff
Treasurer.....H. B. Kuhlik
Advertising Mgr.....B. Burns

PRODUCTS: Filmgraph Sound-on-Film Recorders & Reproducers, Continuous Recorders & Reproducers, Tape Recorders and Reproducers, Automatic Recorders and Reproducers, Permanent Recorders and Reproducers, Reference Recorders, Conference Recorders, Telephone Recorders, Interview Recorders, Telemike — Induction Units for listening to or recording two-way Telephone Conversations.

James Millen Mfg. Co., Inc.

150 Exchange St., Malden 48, Massachusetts.
Phone Malden 4108-09

Advertising Manager.....James Millen
Sales & Engr. Mgr.....E. E. Williams
Credit Manager.....Frances Bearse
Purchasing Agent.....George H. Pike
President.....James Millen
Export Manager.....Carl Lohman Janik

PRODUCTS: Receivers: Amateur, Aviation, Marine, Police, Emergency Services. Transmitters: Relay, Fixed Station, Marine, Aviation, Police, Emergency Services. All types Receiver and Transmitter component parts except Tubes; Crystals, Fixed Resistors and Capacitors.

Miller Manufacturing Company

Glen Cove, New York.
Phone Glen Cove 2796

Proprietor.....Thomas F. Miller
Sales Manager.....Henry J. Smith
Chief Engineer.....Joseph Picarelli
Credit Manager.....Henry W. Anderson
Purchasing Agent.....Harold Large

PRODUCTS: Broad Band Antennas, Receiving and Transmitting.

Mirror Record Corp.

1133 Broadway, New York 10, N. Y.
Phone CH 3-2222

Pres. & Treas.....Paul K. Trautwein
Chief Engr.....R. V. Hough

PRODUCTS: Recording accessories (discs, cutting needles, playback needles).

Motorola, Inc.

4545 Augusta Boulevard, Chicago 51 Illinois.
Phone Spaulding 6500

President.....Paul V. Galvin
Vice Pres. in Charge of Automotive Division.....Elmer H. Wavering
Vice Pres. in Charge of Home Products Division.....Walter H. Stellner
Vice Pres. in Charge of Communications & Electronics Division.....D. E. Noble
Sales Manager.....Wm. H. Kelley
Chief Engineer.....Donald H. Mitchell
Treasurer.....George R. MacDonald
Vice Pres. in Charge of Purchasing

Frank J. O'Brien
Credit Manager.....Henry Kleinbans
Purchasing Agent.....Carl Zehnle
Advertising Manager.....Victor A. Irvine
Personnel Manager.....George Lambert
Export Manager.....Carl M. Wynne
Service Manager.....A. T. Alexander

PRODUCTS: Receivers; Battery — Automotive, Table, Personal; Electric — AM Table, AM Console, AM Portable AC-DC, AM Console with Phonograph; FM Table, FM Console, FM Console with Phonograph; AM-FM Console, AM-FM Console with Phonograph; Television—Table, with AM; Console, with AM; Amateur, Aviation, Marine, Police, Emergency Service, Taxicabs, Trucks and Busses, Walkie-Talkie; Record Players. Transmitter: FM Broadcast, VHF Broadcast, Fixed Station, Marine, Aviation, Police, Emergency Services.

The Muter Co.

1255 S. Michigan Ave., Chicago 5, Ill.
Phone: Wabash 8800

President-Treasurer.....Leslie F. Muter
V.P.-Credit Manager.....A. A. Dailey
Sales Mgr.-Vice-President.....Paul J. Pfohl
Sales Mgr.-Vice-Pres.....K. E. Folteson
Purchasing Agent.....A. R. Campbell

PRODUCTS: Resistors, switches, ceramic condensers, ballasts, coils, spira shields, antenna loops, I. F. and R. F. transformers.

National Carbon Co., Inc.

30 East 42nd St., New York 17, N. Y.
Phone: MURray Hill 7-8000

President.....A. V. Wilke
Vice-Pres. & Gen. Mgr.....J. M. Spangler
Vice-Presidents.....C. O. Kleinsmith,
H. M. Warren

General Sales Mgr.....R. P. Bergan
Mgr. Battery Eng. Dept.....W. H. Fritz

PRODUCTS: "Eveready" "Mini-Max" "B" batteries for portable and farm type receivers, "Eveready" dry cells, "Eveready" flashlight batteries for miniature receivers, "Eveready" "Air Cell" batteries for 2-volt and 1.4 volt receivers.

National Union Radio Corp.

350 Scotland Rd., Orange, N. J.
Phone: Orange 3-9420

PresidentK. C. Meinken
Vice President.....G. A. Bodem
TreasurerW. H. Carey
SecretaryJ. V. Deevy
Credit Manager.....H. A. Pope
Advertising Manager.....E. J. Maginot

PRODUCTS: Electron Tubes; Receiving; Transmitting; Cathode Ray; Special Purpose; Phototubes; Research & Development. Capacitors, Batteries, Dry, Ballasts, Panel Lamps, Volume Controls, Auto Vibrators.

New York Transformer Co., Inc.

Third Avenue, Alpha, New Jersey
Phone Phillipsburg 5-1188

PresidentZ. Burzycki
Sales Manager.....T. B. Armstrong
Chief Engineer.....E. D. Belanger
Credit Manager.....Miss R. Seligson
Purchasing Agent.....C. Sefer
Plant Manager.....J. B. Schaefer

PRODUCTS: Transformers and Reactors for Radios, Transmitters, and Receivers; Audio Frequency Coils; Electronic Control Devices, etc.

Olimpic Radio & Television Inc.

3401 38th Ave., Long Island City, N. Y.
Phone: Stillwell 4-6961

President.....A. A. Juviler
Exec. Vice-President.....P. L. Schoenen
Vice-Pres.-TreasurerM. Sobin
Director of Sales.....Al Friedman
Purchasing Engineer.....W. Hegyi
Office Manager.....L. Haber

PRODUCTS: Complete line of home receivers, AM and FM television receivers.

Oxford Electric Corp.

3911 S. Michigan Ave., Chicago 15, Ill.
Phone: ATLantic 6161

President.....John A. Proctor
Credit Manager.....David E. Davis
Service Manager.....Myrl J. Knapp
Chief Engineer.....Fred Nette

PRODUCTS: Radio speakers, output and line transformers.

Packard-Bell Co.

3443 Wilshire Blvd., Los Angeles 5, Calif.
Phone: Fairfax 2141

President.....Herbert A. Bell
Ex. V.P. & Gen. Mgr.....H. D. Thomas, Jr.
V.P. Chg. Eastern Sales.....J. M. Spain
V.P. Chg. Western Sales...W. Lowell Wood
Sales Manager.....F. E. Ware
Purchasing Agent.....A. T. Baxter
Plant Manager.....C. E. Davies
Personnel Director.....A. S. White, Jr.
Sec.-Treas.-Comptroller.....L. R. Day
Chief Engr.....R. H. Freck

PRODUCTS: Radios, phonographs, home recording instruments, FM and Television equipment.

Philco Corp.

Tioga & C Sts., Philadelphia 34, Pa.
Phone: NEbraska 4-5100

Chairman of the Board.....Larry E. Gubb
President.....John Ballantyne
Exec. V.P.....Wm. Balderston
V.P., Charge of Merchandising.....James H. Carnine
V.P., Charge of Radio Production.....Joseph H. Gillies
V.P., Charge of Home Radio Division....Larry F. Hardy
V.P., Charge of Service Division.....Robert F. Herr
V.P., Charge of Sales...Thomas A. Kennally
V.P., Charge of Research & Engr.....David B. Smith
Treasurer.....William R. Wilson

BRANCH OFFICES: Key cities.

PRODUCTS: Radios, Radio-Phonographs, Refrigerators, Television Receivers, Home Air Conditioners, Freezers, Automobile Radios, Accessories.

Philharmonic Radio Corp.

119 West 57 St., New York 19, N. Y.
Phone: Circle 7-0449

PresidentB. Lippin
Vice-PresidentB. Bernardi

PRODUCTS: FM-AM radio-phonographs, FM-AM receiving sets, television sets, airborne radar equipment, radio transmitters, test equipment, synchroscopes, square-wave generators, underwater sound equipment, two-band high sensitivity portable receivers, cathode ray equipment, monitor and control equipment.

PRODUCTS: FM-AM radio-phonographs, FM-AM receiving sets, television sets, airborne radar equipment, radio transmitters, test equipment, synchroscopes, square-wave generators, underwater sound equipment, two-band high sensitivity portable receivers, cathode ray equipment, monitor and control equipment.

Philmore Mfg. Co.

113 University Pl., New York 3, N. Y.

Phone: ALgonquin 4-3363

President.....Philip Schwartz
Chief Engineer.....Reginald Burke
Credit Manager.....C. Mildred
Export Manager.....M. Greenker
Purchasing Agent.....Murray Granat

PRODUCTS: Amateur sets, crystal sets, microphones (carbon type), detectors, plugs, 1, 2 and 3-tube receivers, headphones, signal keys, short wave and broadcast plug-in coils, aerial kits, speaker microphones.

Pilot Radio Corp.

37-06 36th St., Long Island City 1, N. Y.

Phone: Stillwell 4-5455

President.....Isidor Goldberg
Executive Vice-President.....E. L. Hall
Secretary-Treasurer.....L. W. Wyckoff
General Works.....J. Benjamin
Sales Manager.....Sidney Surin
Purchasing Agent.....Eliot Schwartzman
Export Sales Manager.....E. L. Hall

PRODUCTS: AM-FM table models and phono combinations, portable radio receivers and television receivers, non-breakable pilotone vinylite records.

Press Wireless Mfg. Corp.

Cantique Rd., Hicksville, L. I., N. Y.

Phone: Hicksville 988

President.....A. Warren Norton
Gen. Mgr.....Carl W. Sundberg
Treasurer.....James Humphry, Jr.
Factory Manager.....M. G. Himmel
Sales Manager.....J. Harvey McCoy

PRODUCTS: Transmitters any power rendering A-1, A-2, A-3 service, Frequency Shift Keyer for transmission, Frequency Shift Monitors for transmission, Frequency Shift Converters -Teletype transmission and reception, Anti-Fade- Exalted carrier in diversity receiving equipment, Ink Tape Recorders and pullers, Diversity Receivers, Line Amplifiers, Power Supplies, Compression Amplifiers.

Presto Recording Corp.

242 W. 55th St., New York 19, N. Y.

Phone: Circle 5-7760

President.....George J. Saliba
Secretary.....Morris M. Gruber
Treasurer.....A. Benjamin
Comptroller.....Ruth B. Sholes
Sales Manager.....Thomas B. Aldrich

BRANCH OFFICES: Key cities.

PRODUCTS: Stationary and portable sound recorders, Stationary and portable transcription equipment, associated amplifier equipment, master discs, instantaneous recording discs, recording and reproducing styli, Gear driven turntables and recorders.

Radio Condenser Co.

Davis & Copewood Sts., Camden, N. J.

Phone: Camden 4-7300

President.....Stanley S. Cramer
Vice-President.....Russell E. Cramer
Vice-President.....Russell E. Cramer, Jr.
Sales Manager.....William J. May
Factory Managers.....Charles F. Molzen,
F. A. Cowgill

Treasurer.....William W. Paul
Chief Engr.....J. S. Robb
Dir. Labor Rel.....J. B. Thompson

PRODUCTS: Variable air condensers; Variable Air Capacitors for special radio apparatus of all description, "Rotonoid," (a power device for various applications).

RCA Victor Division Radio Corp. of America

Front & Cooper Streets

Camden, New Jersey

Phone: Camden 4-8000

Executive Vice President...Frank M. Folsom
Vice President and General

Manager.....J. G. Wilson

Vice President in Charge Law
and Finance.....J. H. McConnell

Vice President in Charge
Operations.....F. D. Wilson

Director of Public Relations.....J. K. West
Vice President and Director of

Engineering Dept.....D. F. Schmit

General Manager, Consumer Custom
Products Dept.....H. H. Higginson

President, RCA Service Co.,
Inc.....E. C. Cabill

General Manager, Educational
Sales Department.....W. H. Knowles

Director of Distribution
Department.....H. M. Winters

President, RCA Victor Distributing
Corporation.....W. M. Norton

Director, Materials Dept...V. deP. Goubeau
Vice President in Charge Home

Instruments Dept.....J. B. Elliott

Chief, Engineer, Home Instrument
Department.....D. D. Cole

General Sales Manager, Home
Instrument Department.....H. G. Baker

Vice President in Charge Record
Department.....J. W. Murray

General Sales Manager, Record
Department.....D. J. Finn

Chief Engineer, Record Dept...H. I. Reiskind
Vice Pres. and Acting Gen. Sales Mgr.

in Chg. Tube Dept.....L. W. Teegarden

Chief Engineer, Tube Dept Dr. G. R. Shaw
Vice President in Charge Engineering

Products Department.....W. W. Watts

General Sales Manager, Engineering
Products Department.....T. A. Smith

Chief Engineer, Engineering Products
 Department M. C. Batsel

DIVISION PLANTS: Main Offices: Camden, N. J.; Harrison, N. J.; Lancaster, Pa.; Indianapolis, Ind.; Bloomington, Ind.; Monticello, Ind.; Pulaski, Va.; Canonsburg, Pa.; Detroit, Mich.; Hollywood, Calif.

PRODUCTS: Antenna Systems, Application & Maintenance, Engineering Services, Aviation Radio Equipment, Battle Announce Systems; Brenkert Projection Equipment, Broadcast Station Equipment (AM and FM), Communications Equipment, Component Radio & Electronic Parts, Custom Disc Recordings, Direction Finders, Drive-In Theatre Equipment, Electronic Carillons & Chimes, Electronic Fire Control Equipment, Electronic Tube Parts & Machinery, Electron Microscopes, Facsimile Equipment, Faradon Condenser., Film Recording Equipment, Film Recording Service Studio (New York and Hollywood), High Frequency Heating Equipment, Industrial Electronic Products, Industrial Sound Equipment, Inter-Communication Equipment, Microphones, Music Library Service, Police Radio Equipment; Projection Booth Equipment, Public Address & Plant Broadcasting Equipment, Radar Equipment, Radio Parts, RCA Dry Batteries, RCA Victor Radios, RCA, Cunningham, and RCA Victor Electron Tubes, RCA Victor Records, Albums, Needles, Recording Equipment, Scientific Equipment, Screens, Service & Maintenance for Electronic Equipment, 16mm Sound Film Projectors, Sonar Equipment, Sound Discs for Slide Films, Sound Powered Telephones, Sound Systems & Components, Special Apparatus & Technical Services for U. S. Government, Television Receivers, Transmitters, and Associated Equipment, Test & Measuring Equipment, Theatre Furnishings, Theatre Sound Systems, Victrola Radio-Phonographs, Wire Recorders.

Radio Engineering Labs., Inc.

35-54—36th St., Long Island City 1, N. Y.
 Phone: ASTORIA 8-1010

President.....C. R. Runyon, Jr.
 Vice-Pres.....Frank A. Gunther
 Secretary.....Joseph Behr
 Chief Engineer.....Malhon H. Jennings
 Mgr. Engrs.-Plant Manager....James R. Day
 Director of Purchases.....Joseph Behr
 Mgr. of Sales.....C. R. Runyon, III
 Service Mgr.....Joseph Toman

BRANCH OFFICES: Key cities.

PRODUCTS: Broadcast transmitters, FM and AM, 250 watts to 50 kw; Antennas—FM, speech input equipment, Frequency Modulation monitors, FM receivers, FM studio to transmitter link equipment, custom built high quality audio equipment.

Raytheon Manufacturing Co.

Waltham 54, Mass.

President.....Laurence K. Marshall
 Excc. V.P.....Charles F. Adams, Jr.
 Comm. Products Div. Sales
 Mgr.William A. Gray
 Product Mgr., B'cast. Equip....R. K. Dixon
 Adv. Mgr.....John S. Spargo
 Vice-Pres.-Treas.....David T. Schultz
 Vice-President.....Ray C. Ellis

BROADCAST EQUIPMENT REPRESENTATIVES: Key cities.

PRODUCTS: AM, FM and television transmitters, transmitter accessories, tubes, FM antennas, speech input equipment, transmission line accessories, antenna phasing and coupling equipment, amplifier equipment, engineering services, custom-built transmitting and studio equipment.

Rek-O-Kut Company

38-01 Queens Boulevard, Long Island City 1,
 New York.

Phone: Stillwell 4-7853

PartnerGeorge Silber
 Sales Manager.....George Silber
 General Manager.....S. Simonson
 Credit Manager.....A. Friedman
 Advertising Manager.....Alex Rothschild
 Export Agents.....Morhan Exporting Corp.

PRODUCTS: Instantaneous Recording Equipment, Recording Turntables, Transcription Turntables, Cutters, Amplifiers, Pick-ups, Meters, Transformers.

Scott Radio Laboratories, Inc.

4541 N. Ravenswood Ave., Chicago 40, Ill.
 Phone: Longbeach 5172

President.....H. S. Darr
 Excc. Vice Pres.....F. D. Beiser
 Vice Pres., Sales Manager and Advertising
 Manager.....J. C. Elliff
 Chief Engineer.....W. F. Cotter
 Comptroller.....P. B. Schuecking
 Purchasing Agent and Production Manager
 R. E. Strand
 Export Manager.....M. A. Lachenmann
 Service Manager.....J. R. Sensyk

PRODUCTS: Receivers: Electric—AM Console, AM-FM Console with Phonograph; Television—Console.

Sentinel Radio Corp.

2100 Dempster St., Evanston, Illinois
 Phone: University 2400

President.....E. Alschuler
 Vice-President.....M. D. Block
 Production Manager.....I. J. Jacobsen
 Chief Engineer.....W. J. Schnell
 Purchasing Agent.....P. O. Krumm

Secretary C. S. Willard
Sales Manager..... E. G. May
Export Manager..... H. A. Silcox

PRODUCTS: Sentinel radio receiving sets and table, console models, portable radios, radio-phonograph combinations, table and console models, FM-AM table console and radio phonograph combinations, television receivers of all types.

**Sherron Electronics Company
(Div. of Sherron Metallic Corp.)**

1201 Flushing Ave., Brooklyn 6, New York.
Phone: Evergreen 7-2820

President..... P. H. Sherron
Director of Purchases..... M. C. Turner
Chief Engineer..... M. V. Barasch
Sales Engineer..... E. P. Alisch
Director of Television..... P. J. Gollhofer

PRODUCTS: Transmitters: Standard Broadcast, FM Broadcast, VHF Broadcast, Television, Relay, Fixed Station, Facsimile. Complete Electronic Engineering Service—Electronic Laboratory for Development, Design and Research of Electronic Problems. Studio Control Equipment; Test Equipment for Television; Vacuum Tubes and Electronic Components; Laboratory and Production Instruments; Special Custom-Built Electronic Devices for Industrial Application; Electronic Heating; Experimental Television Station W2XDK.

Sonora Radio & Television Corp.

77 W. Washington St., Chicago 2, Ill.
Phone: Cen. 3614

President Joseph Gerl
V. P.—Charge Sales..... Edward Harris
Credit Manager..... Ray Shadley
Ind. Rel. Manager..... Ben Freund
Chief Engineer..... Don Fetterman
Advertising Mgr..... Herbert S. Hall
Recording Director..... Marie Ruebens

PRODUCTS: Radios, radio-phonographs, portables, AM-FM combinations, television receivers, phonograph records, Sterling cedar chests.

Sound, Inc.

221 E. Callerton Street, Chicago 16, Ill.
Phone: Victory 7234

President Allen Shoup
Vice Pres. & Sales Mgr..... K. M. R. Gaarder
Ass't Sales Mgr..... Geo. K. McMillen
Chief Engineer..... Rudolph A. Bierwirth
Credit Manager..... Henry E. Watkins
Purchasing Agent..... Ernest Teasley
Advertising Managers..... K. M. R. Gaarder,
George K. McMillen
Industrial Relations Mgr..... P. R. Willmarth
Export Managers..... K. M. R. Gaarder,
George K. McMillen

Service Managers..... K. M. R. Gaarder,
George K. McMillen

PRODUCTS: Electronic and Sound Equipment. Specialty Amplifiers of all types.

Stewart-Warner Corp.

1826 Diversey Pkwy., Chicago 14, Ill.
Phone: Lakeview 6000

President..... J. S. Knowlson
Exec. Vice-President..... F. A. Hiter
Sales Mgr. Radio Dept..... F. D. Masters
Service Manager..... N. J. Cooper
Chief Engineer..... S. C. Kolanowski
Supt. Radio Prod..... H. Gillig

PRODUCTS: Radios: AM-FM, Console, Table, Console Combinations, Table Combinations, Portable. Television: AM-FM, Console.

Stromberg-Carlson Co.

100 Carlson Road, Rochester 3, N. Y.
Phone: Culver 0260

President..... Ray H. Manson
Vice-President-General Mgr... Lee McCanne
Vice-President Chg. Sales... Lloyd L. Spencer
Vice-President—Engineering
and Research..... Frederic C. Young
Sales Mgr. Radio-Tele..... C. J. Hunt
Mgr. Sound Equip Div..... A. G. Schifino
Credit Manager..... Charles W. Pritchard
Treasurer Wilbur W. Hetzel

BRANCH OFFICES: Key cities.

PRODUCTS: Communications equipment, including radio, television, telephone, sound equipment and wire recording equipment.

Sylvania Electric Products, Inc.

500 Fifth Ave., New York 18, N. Y.
Phone: Wisconsin 7-9500

Ch. of Bd..... W. E. Poor
Executive Vice-President,

Sales..... D. G. Mitchell
Vice-President M. F. Balcom
Vice-President..... R. H. Bishop
Vice-President..... C. P. Boggs
Vice-President..... H. Ward Zimmer
Secretary..... J. S. Learoyd
General Sales Mgr., Radio Div... C. W. Shaw
Advertising Mgr. Radio

Division..... T. P. Cunningham

BRANCH OFFICES: Key cities.

PRODUCTS: Receiving tubes, cathode ray tubes, transmitting tubes, electronic devices.

Teletone Radio Co.

609 W. 51st St., New York 19, N. Y.
Phone: Circle 6-4325

President..... S. W. Gross
V. P., Dir. Sales & Adv..... John S. Mills
Chief Engineer..... B. Singer

PRODUCTS: Table model radios, table model radio-phono combinations.

Television Associates, Inc.

190 N. State St., Chicago 1, Ill.
Phone: State 9222

President.....C. Collette
Vice-President.....W. Woolridge
Secretary-Treasurer.....E. C. Upton
National Sales.....Keith Kiggins
Chicago Sales.....Ann Drobrna
Michigan City Sales.....Felice Kerrigan
BRANCH OFFICES: 527 Lexington Ave.,
New York City, Phone, EL 5-2455, Keith Kig-
gins; Michigan Street, Michigan City, Ind.,
Phone, 3655, Felice Kerrigan.

PRODUCTS: Tele-Lites, Kaleidopters,
Television Studio Lighting Equipment, Tele-
vision Relay Equipment, Gadgets for special
effect television studio work, Titles for tele-
vision, production, scripts, etc. for television,
Dealers in RCA, G.E., DuMont, Crosley,
UST television receivers.

Telicon Corp.

851 Madison Ave., New York 21, N. Y.
Phone: Butterfield 8-1900

President.....Solomon Sagall
Sales Manager.....W. R. Rich
Chief Engineer.....S. Shottenfeld
Credit Manager.....M. Barish
Purchasing Agent.....I. Hecht

PRODUCTS: AM & FM broadcast receivers,
television receivers, intra-video systems,
television receiving antenna, quartz crystals.

Templetone Radio Mfg. Corp.

100 Garfield Ave., New London, Conn.
Phone: New London 5346

President.....Oscar Dane
Exec. Vice-President.....Eli Dane
Chief Engineer.....Edward Jahns
Credit Manager.....Samuel Fleder
Works Manager.....Louis Friedman
Purchasing Agent.....M. A. Gardner

PRODUCTS: Radios and electronic test
equipment, receivers, television receivers,
record players, combinations.

**Transmitter Equipment
Mfg. Co., Inc.**

345 Hudson Street, New York 14, New York.
Phone: Worth 4-7305

President.....Morton B. Kahn
Sales Manager.....George F. Coleman, Jr.
Vice Pres. in Charge of Eng....Ben Adler
Chief Engineer.....Jules Cardon
Credit Manager.....Edna J. Nagler
Purchasing Agent.....Frank C. Botscheller
Advertising Manager....Leonard Newsteder
Industrial Relations Mgr....E. E. Horrocks
Export Manager.....Arthur Rocke
Service Manager.....Joseph Malin

PRODUCTS: Receivers: Facsimile, Marine,
Police, Emergency Service, Taxicabs Trucks

and Busses, Walkie-Talkie. Transmitters:
Standard Broadcast, VHF Broadcast, Short
Wave Broadcast, Relay, Fixed Station, Ma-
rine, Aviation, Police, Emergency Services,
Facsimile, Amateur.

United States Television Mfg. Corp.

3 W. 61st St., New York 23, N. Y.
Phone: Circle 6-4255

President.....Hamilton Hoge
Vice-President & Treas.....John Hoge
Vice Pres. in Charge of

Sales.....F. H. Hoge, Jr.
Chief Engineer.....Antony Wright
Comptroller.....I. T. Kitzmiller
Sales Manager.....Wm. Higgins
Production Mgr.....Frank Day
Purchasing Agent.....Percy Saunderson
Service Manager.....Thomas Jefferson

BRANCH OFFICES: 2609 24th, N.W.,
Washington, D. C., Shelby York: 80 W. Jer-
sey, Elizabeth, N. J., L. R. Fisher; 7755 Bever-
ly Blvd., Los Angeles, Calif., Richard
Olsen; 351 E. Ohio St., Chicago, Ill., H. Jess
Rodnick.

PRODUCTS: 30 x 22 1/2 & 25 x 19 Projec-
tion Tel. Rec., 10" & 15" Direct View Re-
ceiver, Sweep Generators.

Universal Microphone Co.

424 Warren Lane, Inglewood, Calif.
Phone: ORegion 82148

General Manager.....James L. Fouch
Purchasing Agent.....William C. Koenig
Plant Engineer.....Robert L. Griffin

BRANCH OFFICES: Stanley Wallace,
Lutz (Tampa), Fla.; E. C. Edwards Sales
Agency, 504 Erie Bldg., Cleveland, O.; L. G.
Cushing Company, 664 No. Michigan Ave.,
Chicago 11, Ill.; Don R. Lewis, Box 512,
Salt Lake City, Utah; Jas. J. Backer, 2321
Second Ave., Seattle, Wash.; R. W. Farris
Company, 406 W. 34th St., Kansas City, Mo.;
Mil Kliepera, Box 3113, Houston, Tex.; Rob-
ert Milsk, 642 Beaubien Ave., Kerr Bldg.,
Detroit, Mich.; Al Lehan, 5716 Nassau Road,
Philadelphia, Pa.; Bursell & Chermak, 2233
University Ave., St. Paul, Minn.; S. H. Cohn
Sales Co., 282 W. Santa Barbara, Los Angeles,
Calif.; Jaek Weber Associates, 210 East 40th
St., New York 16, N. Y.; Irving I. Kahn,
Kahn & Company, 3324 Main St., Hartford,
Conn.

Foreign Division: 301 Clay St., San Fran-
cisco 11, Calif.

Canadian Division: 560 King St., W.
Toronto 1, Canada.

**Utah Radio Products
Division of Int'l. Detrola Corp.**

1123 E. Franklin, Huntington, Ind.
Phone: 3100

General Mgr.....P. H. Heckendorn
Controller.....E. V. Norfleet

EQUIPMENT MANUFACTURERS

Sales Manager, Mfg. Division...Fred Tower
 Sales Manager, Jobber
 DivisionHugo Sundberg
 Credit Mgr.....O. C. Will
 Purchasing Agent.....Raymond Schutz
 Production Supt.....Carl John
PRODUCTS: Radio Loud Speakers.

Western Electric Co., Inc.

(Radio Division)
 120 Broadway, New York 5, N. Y.
 Phone COrtland 7-7700

Vice-Pres.....F. R. Lack
 Manager—Distributor Sales....S. P. Taylor
 Manager, Broadcast Sales...J. H. Ganzenhuber
 Manager, Sound Systems &
 Communications.....E. M. Hall
 Manager, Electronic Products

Sales.....H. D. Wilson
PRODUCTS: FM and AM transmitters, antennas and antenna accessories, phase monitors and antenna phasing equipment, speech input equipment for FM and AM, speech input amplifiers and accessories, sound distribution systems and components, microphones and accessories, transcription turntables and pickups, loudspeakers, power supplies, electron tubes, relays, keys, jacks, and mountings, sound and vibration measuring equipment, aviation, marine, police radio transmitters and receivers, vehicular equipment, single sideband and point-to-point radiotelephone equipment, carrier telephone and train dispatching equipment, telephone apparatus, cable and wire, thermistors, varistors and carbon resistors, germanium and silicon, vacuum relays, crystals, fastax cameras, field engineering services.

Westinghouse Electric Corp.

Industrial Electronics Division
 3601 Washington Blvd., Baltimore 3, Md.
 Phone: Edmondson 2300
Home Radio Division
 Front Street and Susquehanna Ave.,
 Sunbury, Pa.
 Phone: Sunbury 2520
Lamp Division
 MacArthur Ave., Bloomfield, N. J.
 Phone: Bloomfield 2-2200

President.....Gwilym A. Price
 Vice-PresidentWalter Evans
 Mgr., Industrial Electronics
 Div.....C. J. Burnside
 Sales Mgr., Ind. Elect. Div....C. W. Miller
 Engr. Mgr., Ind. Elect. Div....R. N. Harmon
 Purchasing Agent, Ind. Elect.
 Div.....L. W. Willey
 Manager, Home Radio Div.....F. M. Sloan
 Asst. Mgr., Home Radio Div...H. W. Schaefer
 Purchasing Agent, Home
 Radio Div.....W. M. Anderson
 Vice-President, Lamp Div....R. C. Stuart
 Sales Mgr., Electronic Tubes....A. Frankel

Engr. Mgr., Electronic Tubes...D. D. Knowles
 Purchasing Agent,

Lamp Div.....Frederick C. Esser
DISTRICT OFFICES: Atlanta, Ga.; Boston, Mass.; Chicago, Ill.; New York, N. Y.; Philadelphia, Pa.; Pittsburgh, Pa.; St. Louis, Mo.; San Francisco, Calif.; Washington, D. C.

BRANCH OFFICES: In all principal cities.
PRODUCTS: Commercial broadcast transmitters, radio receivers, all types of radio transmitters and receiver equipment for military and industrial purposes, and radio tubes.

Weston Electrical Instrument Corp.

614 Frelinghuysen Avenue, Newark 5, N. J.
 Phone: Bigelow 3-4700

President.....Earl R. Mellen
 General Sales Manager...Harold L. Olesen
 Vice Pres. & Chief Engr....John H. Miller
 Credit Manager.....B. E. Arthur
 Purchasing Agent.....George T. Deaney
 Advertising Manager.....Phil Barnes
 Industrial Relations Mgr....James J. Hagan
 Export Manager.....John H. Purcell
 Service Manager.....Charles W. Biswanger

PRODUCTS: Electrical Indicating Instruments Sensitive Relays and Associated Devices, Service and Tube Testing Equipment, Electrical Speed and Temperature Indicating Equipment, Photoelectric Devices and Photographic Exposure Meters, Weston Temperature Gauges and Laboratory Thermometers, Weston Aircraft Instruments.

Wheeler Laboratories, Inc.

259-09 Northern Blvd., Great Neck, N. Y.
 Phone: Imperial 645

President.....Harold A. Wheeler
 SecretaryE. Leonhardt
PRODUCTS: Inductance Measuring Equipment, Capacitance Measuring Equipment, Microwave Components, Special Electronic Equipment on order, Consulting Services.

Zenith Radio Corp.

6001 Dickens Ave., Chicago 39, Ill.
 Phone: Berkshire 7500

President.....E. F. McDonald, Jr.
 Exec. Vice Pres.....Hugh Robertson
 V. P. Chg. Engineering.....G. E. Gustafson
 V. P. Dir. of Sales.....H. C. Bonfig
 Credit Manager.....Sam Kaplan
 Purchasing Agent.....J. E. Anderson
 Sales Promotion Manager....D. H. Grigsby
 Personnel Manager.....George Ergang
 Service Manager.....Frank Smolek
 Advertising Manager.....W. E. Mache
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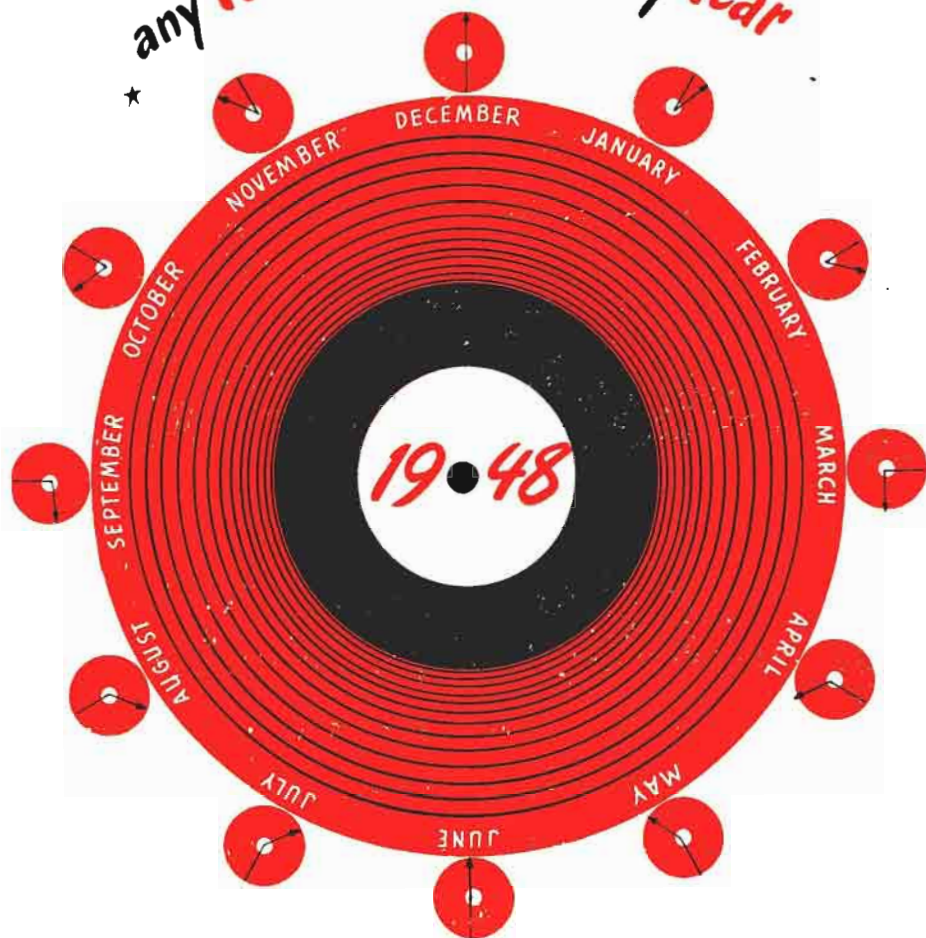
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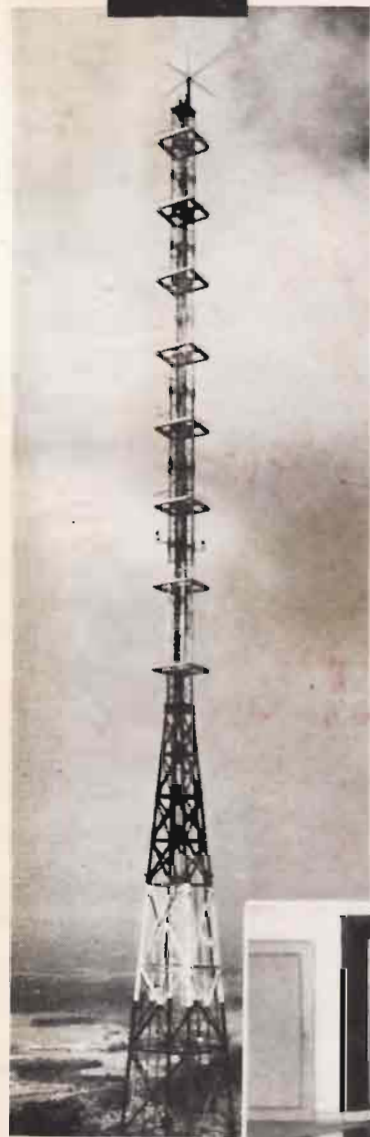
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1. FEDERAL'S SQUARE-LOOP ANTENNA!

The coverage of an FM station depends primarily on the effective strength of the radiated signal. And Federal's 8-Element, Square-Loop Antenna gives an effective radiated power *more than 8 times* the transmitter rating. Actual installations have repeatedly *proved* its ability to give outstanding coverage—and to withstand high winds and heavy icing loads.

2. FEDERAL'S HIGH-FIDELITY TRANSMITTER!

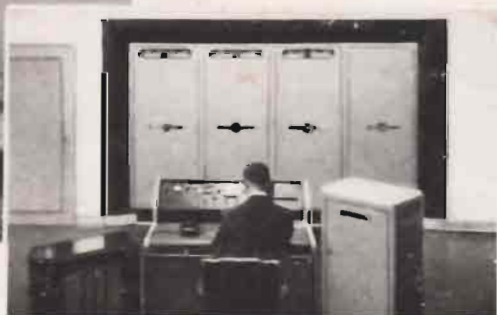
All Federal FM transmitters feature the exclusive "Frequematic"™ modulator—for outstanding fidelity and performance. Maintains center-frequency stability within 0.001%—reduces signal-to-noise ratio to 5600-to-1—uses simple all-electronic circuits with standard receiver tubes—easy to align, simple to maintain.

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Complete FM by Federal means FM at its best, with all components precision engineered to work together. Transmitter console, studio console, transcription units, power supplies—everything from microphone to antenna—designed and coordinated for maximum over-all performance and economy.

When planning your new FM station, remember these exclusive advantages. And if you want to get on the air *fast*, Federal can now make your complete installation in record time! For further information, write to Federal, Dept. B668.

*Trade Mark



With this Federal 8-Element Square-Loop Antenna, now on the air at Station WMRC-FM, Greenville, South Carolina, listeners more than 200 miles away—including cities in 6 different states—report excellent reception. Lower photo shows WMRC's transmitter room, with Federal 10-Kw transmitter, console, monitor speaker and power supply.



Federal Telephone and Radio Corporation

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