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# NAB STANDARDS OF PRACTICE

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*Adopted by the BOARD, Aug. 7, 1945, Amended, Jan. 3, 1946*

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## FOREWORD

**B**ROADCASTING is dedicated to freedom of expression, limited only as prescribed by law and by considerations of decency and good taste.

*The National Association of Broadcasters formulates and publishes the following Standards of Practice as a guide to assist the licensee in operating in the public interest.*

*Determination of what shall be broadcast rests entirely with the station licensee and this responsibility may not be delegated.*

## Public Questions

Station licensees should provide time for the presentation of public questions. Such time should be allotted with due regard to the value and interest of the subject to the public.

## Treatment of Political and Public Question Broadcasts

Broadcasts designed for the presentation of political, economic, social or philosophic questions or the candidacy of any person for public office or a measure to be voted upon should be presented by straightforward statement appealing to intelligence and reason.

## News

News should be presented with fairness and accuracy and the station licensee should be satisfied that the arrangements made for obtaining news insure this result. News should not be selected for the purpose of furthering or hindering either side of any public question nor should it be colored by the opinions or desires of the station management, the editor or others engaged in its preparation or the person actually delivering it over the air, or, in the case of sponsored news broadcasts, the advertiser.

The fundamental purpose of news dissemination in a democracy is to enable people to know what is happening and to understand the meaning of events so that they may form their own conclusions.

## Children's Programs

Programs designed specifically for children reach impressionable minds and influence social attitudes, aptitudes and approaches and, therefore, they require the closest supervision of broadcasters in the selection and control of material, characterization and plot.

This does not mean that the vigor and vitality common to a child's imagination and love of adventure should be removed. It does mean that programs should be based upon sound social concepts and presented with a

superior degree of craftsmanship; that these programs should reflect respect for parents, adult authority, law and order, clean living, high morals, fair play and honorable behavior. Such programs should not contain sequences involving horror or torture or use of the supernatural or superstitious or any other material which might reasonably be regarded as likely to over-stimulate the child listener, or be prejudicial to sound character development. No advertising appeal which would encourage activities of a dangerous social nature should be permitted.

To establish acceptable and improving standards for children's programs, the National Association of Broadcasters will continuously engage in studies and consultation with parent and child study groups. The results of these studies will be made available for application to all children's programs.

### Education

While all radio programs possess some educative values, broadcasters should endeavor to assist specific educational efforts. In cooperation with educators and other appropriate groups, broadcasters should search for improving applications of radio as a medium of education.

### Religion

Broadcasting, which reaches men of all creeds and races simultaneously, should not be used to convey attacks upon another's race or religion. Rather it should be the purpose of the religious broadcast to promote the spiritual harmony and understanding of mankind and to administer broadly to the varied religious needs of the community.

### Commercial Programs and Length of Commercial Portion

Acceptance of programs and announcements should be limited to products and services offered by individuals and firms engaged in legitimate commerce; whose products, services, advertising, testimonials and other statements comply with pertinent legal requirements, fair trade practices and accepted standards of good taste.

Brief handling of commercial copy is recommended procedure at all times, with special consideration being given to the effect on the listener of the manner of presentation.

Member stations should hold the length of the commercial portion, including that devoted to contests and offers, to the following number of minutes and seconds:

<i>Five minute programs</i> .....	<b>1:30</b>
<i>Five minute news programs</i> .....	<b>1:00</b>
<i>Ten minute programs</i> .....	<b>2:00</b>
<i>Fifteen minute programs</i> .....	<b>2:30</b>
<i>Twenty-five minute programs</i> .....	<b>2:45</b>
<i>Thirty minute programs</i> .....	<b>3:00</b>
<i>Sixty minute programs</i> .....	<b>6:00</b>

In participation programs, announcement programs, "Musical Clocks," shoppers guides and other programs of fifteen minutes or longer falling within these general classifications, the commercial portion should not exceed 20% of the total time utilized.

The 20% limitation does not apply when a fifteen minute or longer segment is sold to one sponsor. The commercial portion should then be the same as given in the table on page 905.

### **"Standards of Good Taste"**

The following are deemed to be generally unacceptable under these Standards of Practice:

1. Unfair attacks upon competitors, competing products, or upon other industries, professions or institutions.
2. Misleading statements of price or value or misleading comparisons of price or value.
3. Continuity which describes repellently any functions or symptomatic results of disturbances, or relief granted such disturbances through use of any product.
4. Cures and products claiming to cure.
5. Advertising statements or claims member stations know to be false, deceptive or grossly exaggerated.
6. Any remedy or other product the sale of which or the method of sale of which constitutes a violation of law.
7. Any spirituous or "hard" liquor.
8. Any fortune-telling, mind-reading, or character-reading, by handwriting, numerology, palm-reading, or astrology, or advertising related thereto.
9. Schools that offer questionable or untrue promises of employment as inducements for enrollment.
10. Matrimonial agencies.
11. Offers of "home work" except by firms of unquestioned responsibility.
12. Any "dopester," tip-sheet or race track publications.
13. All forms of speculative finance. Before member stations accept any financial advertising, it should be fully ascertained that such advertising and such advertised services comply with all pertinent federal, state and local laws.

# ORGANIZATIONS

## RADIO GROUPS — UNIONS — ASSOCIATIONS PERSONNEL — GUILDS — ADDRESSES

### Acoustical Society of America

120 S. LaSalle St., Chicago 3, Ill.  
Randolph 8460

#### OFFICERS

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Vice-President.....J. C. Steinberg  
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Treasurer.....Lonsdale Green, Jr.  
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Editor.....F. A. Firestone  
(University of Michigan)

#### EXECUTIVE COUNCIL

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#### FUNCTIONS

The purpose of the society is to increase and diffuse the knowledge of acoustics and promote its practical applications.

### Actors Equity Association

45 W. 47th St., New York 19, N. Y.  
BRyant 9-3550

#### OFFICERS

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Auditor.....Frank Mesurac

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#### BRANCH OFFICES

San Francisco: Theodore Hale, 315 Montgomery St.  
Hollywood: I. B. Kornblum, 6331 Hollywood Blvd.  
Chicago: Frank Dare, 720 Bittersweet Place. Phone, Wellington 6377.  
Chorus Equity: 701 7th Ave., New York 19, N. Y.

### Advertising Federation of America

330 West 42nd St., New York, N. Y.  
BRyant 9-0430

#### OFFICERS

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Vice-President.....Robert N. Fuller  
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Vice-President.....Prudence Allured  
(Publisher, Manufacturing Confectioner, Chicago)  
Secretary.....Helen A. Cornelius  
(National Association of Broadcasters, Washington)  
Treasurer.....Robert S. Peare  
(Vice-President, General Electric Company, Schenectady)

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#### FUNCTIONS

To provide a common forum and a central medium for cooperative effort on behalf of all individuals and groups interested in advertising.

To elevate the standards of advertising practice and to combat any unfair competitive methods in its sale.

To help increase the effectiveness of advertising as an instrument of distribution, with its resulting benefits to business and the general public.

To determine and disseminate more accurate knowledge of the functions of advertising in business, and its social and economic values.

To aid in raising the standards of education and training for advertising practitioners.

## Advertising Research Foundation

11 West 42nd St., New York, N. Y.  
Circle 6-6106

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Technical Director ..... D. B. Lucas

### FUNCTIONS AND ACTIVITIES

Measurement of reading habits, qualitative analysis of media, general studies of advertising for equal interest to advertisers, agencies and media.

## American Assn. of Adv. Agencies (AAAA)

420 Lexington Ave., New York, N. Y.  
LExington 2-7980

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Director of Service ..... L. W. MacKenzie

### FUNCTIONS

The American Association of Advertising Agencies was formed in 1917 by the amalgamation of the New England, New York, Philadelphia, Southern and Western Advertising Agency Associations—to promote the interests and raise the standards of advertising and of the advertising agency business.

It welcomes to membership any advertising agency qualified to aid in this purpose by reason of its ability to serve the cause of advertising, its financial soundness and its demonstrated desire to adhere to sound and ethical business practices.

The aims of the Association are partly ethical and partly economic. It is a professional body and also a trade association. It aims to raise standards, to improve technique, to ascertain values, to safeguard relations, and to cooperate with other organized effort in related fields.

One of the major aims of the Association is to keep advertising agency practice on a high level, in order that it may be most useful to the advertiser, most helpful to the publisher and respected by business men.

Early in its career the Association adopted for the guidance of its members two official statements. One is entitled "Agency Service Standards," in which agency service is defined, so that advertisers and publishers may know what to expect and agencies may know what should be required of them, thus discouraging the incompetent and encouraging those equipped to render effective service.

The other statement, entitled "Standards of Practice," deals with agency relations with media, clients and the public, with fair and ethical agency competition, and other professional ethics.

## American Bar Association (Standing Committee on Communications)

Office of the Chairman: 1002 Hill Bldg.  
Washington, D. C.  
Republic 3833

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Committeeman ..... Howard L. Kern  
Committeeman ..... Edwin Borchard  
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Committeeman ..... Howard L. Kern

### FUNCTIONS

To advance the science of jurisprudence, promote the administration of justice and uniformity of legislation and of judicial decision in the Nation, uphold the honor of the profession of the law.

## American Communications Association (C. I. O.)

5 Beekman St., New York, N. Y.  
CORTland 7-1374

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## American Council on Education

744 Jackson Place, Washington 6, D. C.  
NAtional 5691

### EXECUTIVE OFFICERS

President ..... George F. Zook  
Vice-President ..... A. J. Brumbaugh  
Assistant to President ..... Donald J. Shank  
Chief Accountant ..... Grace R. Ontrich

### FUNCTIONS

This Council's purpose is to advance American education through comprehensive voluntary, cooperative action on the part of educational associations, organizations and institutions, through the promotion, initiation and administration of systematic studies, cooperative experiments, and conferences.

## American Federation of Musicians

570 Lexington Ave., New York 22, N. Y.  
PLaza 8-0600

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## ORGANIZATIONS

### American Federation of Radio Artists (AFRA)

2 West 45th St., New York 19, N. Y.  
Vanderbilt 6-1810

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Los Angeles Local—6331 Hollywood Boulevard, Hollywood, Calif.; Claude McCue, Executive Secretary; Phone, Hillside 5125.

San Francisco Local—26 O'Farrell Street, San Francisco, California; Phone, Exbrook 6990, San Francisco, California.

Cincinnati Local—Box 14, Cincinnati, Ohio.

Detroit Local—82 West Montcalm St., Detroit, Mich.

St. Louis Local—4317 Lindell Blvd., St. Louis, Mo.

Miami Local—Box 8, Miami, Fla.

Cleveland Local—219 Chester-12th Bldg., Cleveland, Ohio.

Washington Local—P. O. Box No. 269, Washington, D. C.

Pittsburgh Local—1124 Frick Bldg.

Other Locals located in: Atlanta, Ga.; Baltimore, Md.; Boston, Mass.; Bridgeport, Conn.; Charlotte, N. C.; Dallas, Tex.; Denver, Colo.; Fresno, Calif.; Grand Rapids, Mich.; Kansas City, Mo.; Lawrence, Mass.; Long Beach, Calif.; Louisville, Ky.; Manchester, N. H.; Philadelphia, Pa.; Racine, Wis.; Raleigh, N. C.; Rochester, N. Y.; San Bernardino, Calif.; San Diego, Calif.; San Jose, Calif.; Seattle, Wash.; Springfield, Mass.

### American Guild of Musical Artists, Inc. (A. F. L.)

2 W. 45th St., New York 19, N. Y.  
MUrray Hill 2-8407

#### OFFICERS

President ..... Lawrence Tibbett  
1st Vice President ..... Richard Bonelli

2nd Vice President ..... Walter Golde  
3rd Vice President ..... Edward Harris  
4th Vice President ..... John Brownlee  
5th Vice President ..... Georgia Standing  
Recording Secretary ..... Elisabeth Hoepfel  
Treasurer ..... Frederick Jagel  
Counsel ..... Albert B. Gins

#### BRANCH OFFICES

Los Angeles: I. B. Kornblum, 6331 Hollywood Blvd. Phone, Hillside 5121.

San Francisco: Theodore Hale, 315 Montgomery St. Phone, Exbrook 2770.

Chicago: Evelyn Siegling, 25 E. Jackson Blvd. Phone, Webster 7462.

#### FUNCTIONS

Labor union having jurisdiction over opera, concert, recital and ballet activities; branch of Associated Actors and Artistes of America, affiliated with American Federation of Labor. ACMA's purpose is to bargain collectively on behalf of its members and to deal with employers, contractors, managers, impresarios, agents and others whose activities affect its members.

### American Marketing Association Address Individual Officers

#### OFFICERS

President ..... Lyman L. Hill  
(Serval Corp.)  
1st Vice-President ..... Paul W. Stewart  
(Stewart-Brown Assn.)  
2nd Vice-President ..... Robert T. Browne  
(Pillsbury Mills, Inc.)  
Treasurer ..... Wilford White  
(Bureau of Foreign & Domestic Commerce)  
Secretary ..... Harvey W. Huegy  
(University of Illinois)  
Editor & Chief of AMA Publication ..... Charles F. Phillips  
(Bates College)

#### DIRECTORS

Eógar Gault, University of Michigan; P. G. MacGowan, Firestone; Gerald B. Tallman, Mass., Institute of Technology; Ralph R. Butler, Kendall Mills; David Faville, Stanford University; Arthur Hurd, J. Walter Thompson Co.; Past President, Donald M. Hobart, Curtis Publishing Co.

#### FUNCTIONS

American Marketing Association is an organization for the advancement of science in marketing.

### American Newspaper Publishers Association

370 Lexington Ave., New York 17, N. Y.  
CA:edonia 5-2000

#### OFFICERS

President ..... William G. Chandler  
Vice-President ..... David W. Howe  
Secretary ..... Norman Chandler  
Treasurer ..... Edwin S. Friendly  
General Manager ..... Cranston Williams

#### BRANCH OFFICE

360 N. Michigan Ave., Chicago, Ill.  
George N. Dale ..... Manager

#### FUNCTIONS

To foster and protect the business and business interests of daily newspapers.

## American Radio Relay League, Inc.

38 LaSalle Road, West Hartford, Conn.  
Hartford 3-6269

### OFFICERS

President.....George W. Bailey  
Managing Secretary.....Kenneth B. Warner  
Treasurer.....David H. Houghton  
Communication Manager.....Francis E. Handy

### BRANCH OFFICE

225 Main St., Newington, Conn. Phone, 92140. F. E. Handy, Communications Manager.

### FUNCTIONS

The American Radio Relay League is a non-commercial association of radio amateurs, bonded for the promotion of interest in amateur radio communication and experimentation, for the relaying of messages by radio, for the advancement of the radio art and of the public welfare, for the representation of the amateur in legislative matters, and for the maintenance of fraternalism and a high standard of conduct. The League publishes QST, a publication devoted solely to amateur radio, issued monthly. It also publishes The Radio Amateur's Handbook annually and other publications.

## American Society of Composers, Authors and Publishers

30 Rockefeller Plaza, New York 20, N. Y.  
Columbus 5-7464

### OFFICERS

President.....Deems Taylor  
Vice-President.....Gustave Schirmer  
Vice-President.....Oscar Hammerstein II  
Secretary.....George W. Meyer  
Treasurer.....J. J. Bregman  
Assistant Secretary.....Donald Gray  
Assistant Treasurer.....Irving Caesar

### BOARD OF DIRECTORS

Stanley Adams, Fred E. Ahlert, Louis Bernstein, Saul Bornstein, J. J. Bregman, Gene Buck, Irving Caesar, Max Dreyfus, Walter S. Fischer, Donald Gray, Oscar Hammerstein II, Otto A. Harbach, Ray Henderson, John Tasker Howard, A. Walter Kramer, George W. Meyer Jack Mills, R. F. Murray, John O'Connor, J. J. Robbins, Richard Rodgers, Gustave Schirmer, Herman Starr, Deems Taylor.

### ADMINISTRATIVE OFFICERS

General Manager.....John C. Paine  
Assistant General Manager.....Herman Greenberg  
Comptroller.....George A. Hoffman  
Director of Public & Customer Relations  
Richard F. Frohlich  
General Counsel.....Schwartz & Frohlich  
Resident Counsel.....Herman Finkelstein

### DISTRICT MANAGERS

#### Western

Larry Shea, 414 Guaranty Bldg., 6331 Hollywood Blvd., Hollywood, Calif.  
Stanley Shepard, 645 Pacific Bldg., Portland, Ore.  
Harry G. Ferguson, 1101-2 Security Bldg., Denver, Colo.  
H. A. Levinson, Room 422, 111 Sutter Bldg., San Francisco, Calif.

#### Mid-Western

Leonard Severson, 730 Des Moines Bldg., Des Moines, Ia.  
Martin Meltzer, 1907 Continental Bldg., 3615 Olive St., St. Louis, Mo.  
ASCAP, 1100 Midland Bldg., 101 Prospect Ave., N. W., Cleveland, Ohio.

E. W. Peterson, 912 Northwestern Bank Bldg., Minneapolis, Minn.  
Messrs, Grosner & Burak, 782-4 Penobscot Bldg., Detroit, Mich.  
John C. Wooden, 7 S. Dearborn St., Chicago, Ill.

#### Southern

ASCAP, 603 Hibernia Bank Bldg., New Orleans, La.  
Samuel Feldman, 3910-11 Carew Tower, Cincinnati, Ohio.  
Chas. McDowell, 1613-14 Tower Petroleum Bldg., 1903 Elm St., Dallas, Texas.  
I. T. Cohen, 607 1st Nat'l Bank Bldg., Atlanta, Ga.

#### Eastern

Samuel Berkett, 44 School St., Boston, Mass.  
Arthur L. Rothkranz, 1616 Baltimore Trust Bldg., Baltimore, Md.  
H. A. Brown, 1638 Lincoln Liberty Bldg., Philadelphia, Pa.  
William J. O'Brien, 509 Grant Bldg., Pittsburgh Pa.  
Lawrence B. Schlums, 1431 Lincoln Alliance Bldg., Rochester, N. Y.  
Aaron Kane, National Newark Bldg., 744 Broad St., Newark, N. J.  
Clarence Rubin, 30 Rockefeller Pl., New York, N. Y.

### FUNCTIONS

ASCAP licenses public performance for profit of music copyrighted by its members and the members of many similar societies located in foreign countries.

## American Television Society

2 W. 45th St., New York 19, N. Y.  
Vanderbilt 6-0600

### OFFICERS

President.....George T. Shupert  
Vice-President.....David Hale Halpern  
Treasurer.....Don McClure  
Secretary.....Alice Pentlarge

### DIRECTORS

Prof. Edward C. Cole, John Flory, Dan D. Halpin, Charles H. Kleinman, Evelyn Peirce, Theodore Huston, Jr., Herbert E. Taylor, Jr.

### FUNCTIONS

American Television Society is a non-profit group organized to foster the study, understanding and appreciation of television as a cultural, educational, entertainment and advertising medium. It provides its members with an intelligence center and clearing house for information pertaining to television and its development; a forum for the exchange of ideas and discussion of mutual problems relating to or affecting television; a television library; special meetings for the dissemination of television information; the opportunity to view and study television technique.

## Associated Actors and Artistes of America

45 W. 47th St., New York, N. Y.  
BRYANT 9-3550

### OFFICERS

President.....Paul Dullzell  
1st Vice-President.....Emily Holt  
2nd Vice-President.....Reuben Guskin  
3rd Vice-President.....Matt Shelvey  
Executive Secretary.....Ruth Richmond  
Counsel.....Paul N. Turner

### BRANCH OFFICES

Actors' Equity Association, 45 West 47th St., New York City (19). Paul Dullzell, Executive Secretary.  
American Federation of Radio Artists, 2 West 45th

# ORGANIZATIONS

St., New York City (19). Mrs. Emily Holt, Executive Secretary.

American Guild of Musical Artists, 2 West 45th St., New York City (19). Albert B. Gins.

American Guild of Variety Artists, 1697 Broadway, New York City (19). Matt Shelvey, National Director.

Brother Artists Association, 44 West 60th St., New York City (23). Thomas J. Phillips, President.

Chorus Equity Association, 701 Seventh Ave., New York City (19). Miss Ruth Richmond, Executive Secretary.

Hebrew Actors Union, 31 East 7th St., New York City (3). Mr. Reuben Guskin, Manager.

Hebrew Chorus Union, 643 Rockaway Parkway, Brooklyn, N. Y. (12). Miss Anne Saltzman, Secretary.

Hungarian Actors and Artists Association, 266 East 78th St., New York City (21). Tibor Gathy, Executive Secretary.

Italian Actors Union, 106 West 52nd St., New York City (19). Lawrence Rondine, Secretary-Treasurer.

Screen Actors Guild, 7046 Hollywood Blvd., Hollywood, California (28). John Dales, Jr., Executive Secretary. Mrs. Florence Marston, Eastern Representative, 545 Fifth Ave., New York City (17).

Screen Extras Guild, 1526 N. Las Palmas Ave., Hollywood 28, California. Edd. X. Russell, President.

## FUNCTIONS

To advance, promote, foster, and protect the welfare of players and entertainers of the entertainment world.

## Assoc. of Canadian Advertisers, Inc.

303 Federal Building, 85 Richmond St., West,  
Toronto 1, Ontario.  
ADelaide 8047-8

### OFFICERS

President: L. E. Phenner, Canadian Cellucotton Products Co., Ltd., Toronto, Ont.

Vice-Presidents: Neil B. Powter, Howard Smith Paper Mills Limited, Montreal, Que.; Harold J. G. Jackson, Chrysler Corporation of Canada, Ltd., Windsor, Ont.; George S. Bertram, Swift Canadian Co., Limited, Toronto, Ont.; Lee Trenholm, Underwood Limited, Toronto, Ont.

Treasurer: J. P. Lyons, Manufacturers Life Insurance Co., Toronto, Ont.

Managing Director: Athol McQuarrie.

### DIRECTORS

D. E. Bankart, Northern Electric Co., Limited, Montreal, Que.; Robt. E. Day, Bulova Watch Co., Limited, Toronto, Ont.; J. G. Hagey, The B. F. Goodrich Rubber Co. of Canada Limited, Kitchener, Ont.; John W. Lawrence, The Borden Co. Limited, Toronto, Ont.; R. Harold Smyth, Dominion Rubber Co. Limited, Montreal, Que.; A. Usher, RCA Victor Co. Limited, Montreal, Que.; Hedleigh T. Venning, Sherriff's Limited, Toronto, Ont.; Muriel Whitlock, Courtaulds (Canada) Limited, Montreal, Que.; C. H. Willis, Appleford Paper Products Limited, Hamilton, Ont.

### FUNCTIONS

This association was incorporated in March 1917. For 31 years the Association of Canadian Advertisers has functioned as an organization of Canadian companies devoted to the interests and promotion of good advertising.

### BUREAU OF BROADCAST MEASUREMENT

303 Federal Building, 85 Richmond Street West,  
Toronto 1, Ontario  
ADelaide 8047-8

President: L. E. Phenner, Canadian Cellucotton Products Co. Limited, Toronto.

Vice-President: Adrian Head, J. Walter Thompson Co. Ltd., Toronto.

Secretary-Treasurer: Athol McQuarrie, Association of Canadian Advertisers, Inc., Toronto.

## DIRECTORS

H. N. Stovin, Horace N. Stovin & Company, Toronto; W. T. Cranston, Radio Station CKOC, Hamilton, Ont.; E. A. Weir, Canadian Broadcasting Corporation, Toronto; A. Usher, RCA Victor Co. Ltd., Montreal; J. A. MacLaren, MacLaren Advertising Co. Ltd., Toronto; H. M. Tedman, J. J. Gibbons Limited, Toronto.

## FUNCTIONS

A co-operative organization for the standardization and analysis of facts about radio.

## Association for Education by Radio

226 N. LaSalle St., Chicago 1, Ill.

### NATIONAL OFFICERS

I. Keith Tyler, president, director of radio education, Ohio State University.

Luke L. Roberts, first vice-president, educational director KOIN, Portland, Oregon.

Robert B. Hudson, second vice-president, supervisor of educational programs, Columbia Broadcasting System.

George Jennings, treasurer, acting director, Chicago Radio Council.

Kathleen N. Lardie, secretary, assistant Department of Radio Education, Detroit public schools.

### REGIONAL PRESIDENTS

Robert B. Macdougall, Region I, director of educational activities, WAAT, Newark, N. J.

Sam H. Linch, Region II, supervisor of radio education, Atlanta public schools.

Bianche Young, Region III, radio consultant, Indianapolis public schools.

R. Russell Porter, Region IV, director, radio office, Kansas State Teachers College, Emporia.

John W. Gunstream, Region V.

Mary E. Gilmore, Region VI, director, KBPS, Portland, Oregon, public schools.

Alpha Epsilon Rho: The association sponsors Alpha Epsilon Rho, an undergraduate, professional fraternity in radio.

Sherman P. Lawton, executive secretary, University of Oklahoma, Norman, Okla.

Membership Committee: Kathleen N. Lardie, Chairman, department of radio education, Detroit public schools.

### EDITORIAL BOARD

Helen Anderson, Lyman Bryson, Sarah Jones, Kathleen N. Lardie, Watt Long, Robert Macdougall, Hazel Kenyon Markel, Harold B. McCarty, Tracy F. Tyler, chairman.

### FUNCTIONS

Promotion of education by radio and the publication of a journal (Journal of the AER) monthly except June, July and August.

### AER JOURNAL STAFF

Tracy F. Tyler, editor, University of Minnesota. George Jennings, business manager, acting director, Chicago Radio Council. James G. Hanlon, circulation manager, WGN, Chicago. John W. Brandstetter, Amo DeBernardis, Max J. Herzberg, Alice W. Manchester, Jennings Pierce, contributing editors.

## Assn. of National Advertisers, Inc.

285 Madison Ave., New York 17, N. Y.  
MU 5-9167

### OFFICERS

Chairman of the Board.....Paul S. Ellison  
(Sylvania Electric Products Inc.)  
Vice-Chairman.....W. N. Connolly  
(S. C. Johnson & Son, Inc.)

Vice-Chairman.....T. H. Young  
(United States Rubber Company)  
President.....Paul B. West  
Treasurer.....Albert Brown  
(The Best Foods, Inc.)  
Secretary.....E. T. Batchelder

#### DIRECTORS

J. F. Apsey, Jr., The Black & Decker Mfg. Co.; Arthur H. Boylan, The Drackett Company; Albert Brown, The Best Foods, Inc.; Robert B. Brown, Bristol-Myers Company; C. C. Carr, Aluminum Company of America; Frank S. Ennis, America Fore Insurance and Indemnity Group; H. J. Henry, Johnson & Johnson; Hugh W. Hitchcock, Packard Motor Car Company; D. H. Odell, General Motors Corporation; W. B. Potter, Eastman Kodak Company; A. C. Seyfarth, International Harvester Company; D. B. Stetler, Standard Brands Incorporated; Ralph Winslow, Koppers Company, Inc.

#### FUNCTIONS

The Association of National Advertisers is composed of the leading companies of the United States who use advertising. Its function is to represent them and further their interests as buyers of advertising.

### Association of Radio News Analysts

Room 1207, 1540 Broadway, New York, N. Y.  
BRyant 9-7800, Extension 386.

#### OFFICERS

President.....Lowell Thomas  
Chairman, Exec. Committee.....H. V. Kaltenborn  
Vice-President.....John W. Vandercook  
Vice-President.....H. R. Baukhage  
Secretary.....Johannes Steel  
Treasurer.....Max Hill

#### FUNCTIONS

Membership consists of experienced news analysts devoting a major part of their time to radio work and not voicing their own commercials. The association's function is to improve quality and standards of radio news analysts.

### The Authors' League of America

6 E. 39th St., New York, N. Y.  
Murray Hill 5-6930

#### OFFICERS

President.....Russel Crouse  
Vice-President.....Fannie Hurst  
Secretary.....Katherine Seymour  
Treasurer.....Arthur Schwartz

#### COUNCIL

Franklin P. Adams, Frederick Lewis Allen, Erik Barnouw, Philip Barry, Carl Cramer, Sidney Carson, Hector Chevigny, Robert Colwell, Norman Corwin, Russel Crouse, John Dunkel, Mignon Eberhart, J. C. Furnas, Paul Gallico, Clifford Goldsmith, Arthur Garfield Hays, Oscar Hammerstein, II, Otto Harbach, Lillian Hellman, George Kelly, Ruth Adams Knight, Christopher LaForge, Georgia Layton, Howard Lindsay, Peter Lyon, Frank Mandel, Robert Newman, S. J. Perelman, Henry F. Pringle, Elmer Rice, Kurt Steel, Rex Stout, John Vandercook, Kenneth Webb, Kurt Weill, Thornton Wilder.

#### FUNCTIONS

The Authors' League of America, Inc., is the national organization of authors, dramatists, screen writers and radio writers. It was organized in 1912 in order to procure adequate copyright legislation, both international and domestic; to protect the rights and property of all those who create copyrightable material of whatever kind or nature; to

advise and assist all such in business matters relating to the disposal of their productions and to obtain for them prompt remuneration therefor; to disseminate information among them as to their just rights and remedies. Its membership is approximately 4,200.

### BMI Canada, Ltd.

2100 Victory Bldg., Toronto, Ont.  
Elgin 5623

#### OFFICERS

President.....Sydney Kaye  
Vice-President.....Merritt E. Tompkins  
Vice-President.....Harry Sedgwick  
Vice-President.....Joseph Sedgwick  
Vice-President.....Glen Bannerman  
Secretary-Treasurer.....T. Arthur Evans

#### FUNCTIONS

BMI Canada, Ltd., was organized to buy and publish original music, to coordinate and license performing rights of music published under its own imprint and of music in the catalogs of affiliated publishers and performing right societies and to provide equal opportunity of recognition for all writers and composers.

### The British Broadcasting Corporation

630 Fifth Ave., New York 20, N. Y.  
Circle 7-0656

#### OFFICERS

North American Director.....Charles H. Brewer  
Asst. North American Director.....William R. Reid  
Special Asst. to N.A.D.....Donovan Rowse  
Program Advisor.....Henry David  
Research Department.....J. A. S. Kenas  
Public Relations Manager.....Christopher Cross  
Chief Engineer.....Arthur S. Toby  
Program Director.....Stephen Fry  
Talks Producer.....Annette Ebsen  
Productions Manager.....Roy Lockwood

#### BRANCH OFFICES

Chicago: 430 N. Michigan Ave., Phone, Delaware 6881. William N. Newton, Middle West Representative.  
Washington: 1150 Connecticut Ave. Phone Executive 1465. Leonard Miall, Washington Correspondent.

#### FUNCTIONS

Activities of the North American offices of the British Broadcasting Corporation consist of two inter-related but separate operations. The first, Eastbound Operations, are concerned with the interpretation of the American scene to British audiences. The other, Westbound Operations, are concerned with making available to independent radio stations and networks regular and specially requested programs broadcast from England in the BBC's North American Service.

### Broadcast Music, Inc. (BMI)

580 Fifth Ave., New York, N. Y.  
Pennsylvania 6-5466

#### OFFICERS

President.....J. Harold Ryan  
Vice-President-General Counsel.....Sydney M. Kaye  
Vice-President-General Manager.....M. E. Tompkins  
Treasurer.....C. E. Lawrence

#### FIELD REPRESENTATIVES

Ralph Wentworth, Glen Dolberg, Al Marlin, James L. Cox, Linn Pattee.

#### DIRECTORS

Justin Miller, National Association of Broadcasters; John Elmer, WCBM; William Hedges, National Broadcasting Co.; Paul Morency, WTIC; Leonard Kap-

## ORGANIZATIONS

ner, WCAE; Carl Haverlin, Mutual Broadcasting System; C. W. Myers, KOIN; J. Leonard Reinsch, WSB; Joseph McDonald, American Broadcasting Co., Inc.; Frank K. White, Columbia Broadcasting System.

### BRANCH OFFICES

1549 North Vine St., Hollywood, Calif.  
Executive-in-Charge ..... Eddie Janis

54 West Randolph St., Chicago, Ill.  
Executive-in-Charge ..... James Cairns

### FUNCTIONS

The functions of BMI are: (1) To buy and publish original music; (2) to coordinate and license the performing rights to music published under its own imprint and of music in the catalogs of affiliated publishers and performing rights societies; (3) to provide equal opportunity of recognition for all writers and composers.

## Canadian Assn. of Broadcasters

2100 Victory Bldg., Toronto, Ont.  
Canada  
Elgin 5623

### OFFICERS

Chairman of the Board.....Harry Sedgwick  
Vice-Chairman of the Board.....A. Gauthier  
General Counsel.....Joseph Sedgwick  
Secretary-Treasurer.....T. Arthur Evans

### DIRECTORS

Harry Sedgwick, CFRB, Toronto; Gerry Gaetz, CKRC, Winnipeg; A. A. Murphy, CFQC, Saskatoon; G.R.A. Rice, CFRN, Edmonton; F. H. Elphicke, CKWX, Vancouver; J. E. Campeau, CKLW, Windsor; K. D. Soble, CHML, Hamilton; Phil Lalonde, CKAC; A. Gauthier, CHLT, Sherbrooke; W. C. Borrett, CHNS, Halifax; F. A. Lynds, KCKW, Moncton.

### FUNCTIONS

The Canadian Association of Broadcasters is a trade association comprising 62 privately owned radio stations.

## Composers, Authors and Publishers Assn. of Canada, Ltd.

(formerly Canadian Performing Rights Society)

1003 Royal Bank Bldg., Toronto, Canada  
Phone: Elgin 9219

### OFFICERS

President-Managing Director...H. T. Jamieson, F.C.A.

### BOARD OF DIRECTORS

Ralph Hawkes, Holmes Maddock, H. T. Jamieson, representing The Performing Right Society Limited, London, England, and John G. Paine, Gordon V. Thompson, W. S. Low, representing the American Society of Composers, Authors and Publishers.

## Catholic Actors Guild of America, Inc.

Hotel Astor, New York 19, N. Y.  
Circle 6-5566

### OFFICERS

President.....Gene Buck  
1st Vice-President.....Pat O'Brien  
2nd Vice-President.....Jay Jostyn

### Honorary Vice-Presidents:

Bing Crosby, Dan Healy, Donald Brian  
Recording Secretary.....Frank McNellis  
Historian.....Kathryn Givney  
Executive Secretary.....George Buck  
Chairman of Executive Board.....Donat Gautier  
Chairman of Advisory Board.....Hon. Edward P. Mulrooney

### FUNCTIONS

Benevolent and social organization, founded to promote the best interests of the stage, screen and radio and the people of the theatrical profession.

## Catholic Writers Guild of America

128 W. 71st St., New York, N. Y.  
Endicott 2-0412

### OFFICERS

Spiritual Director.....Rev. John B. Kelly  
President.....James J. Munaz  
Vice-President.....Richard Reid  
Treasurer.....Clarence E. Heller  
Executive Secretary.....Eleanor M. Tucker  
Corresponding Secretary.....Bernadette S. McCarty

### BOARD OF GOVERNORS

Right Rev. Fulton J. Sheen, Eugene A. Colligan, Victor Ridder, Elizabeth Jordan, James O'Shaughnessy, Kathleen Norris, Rev. Hugh Morley, Katherine Edgerly, Margaret Marshall, Jos. J. Reilly, Mrs. Phillip Brennan, Nicholas Farley, Kenton Kilmer.

### FUNCTIONS AND ACTIVITIES

The press, inclusive of the writer, editor and publisher of newspaper, magazine, screen and stage manuscripts, desiring a statement of the Catholic mind on Church issues or current national events, will find the Catholic Writers Guild of America ready to cooperate in directing inquiry to a source of authentic information.

## Chicago Radio Management Club

230 N. Michigan Ave.  
Chicago, Ill

### OFFICERS

President.....Harlow P. Roberts  
Vice-President.....Margaret Wylie  
Secretary.....Hildred Sanders  
Treasurer.....John T. Carey

### FUNCTIONS AND ACTIVITIES

The Chicago Radio Management Club is an organization consisting of members in executive capacities in advertising agencies and radio stations in Chicago, Ill. Meetings are held weekly wherein any and all problems relative to radio business can be discussed on common grounds, conclusion drawn and plans for the solution of particular problems authorized for action.

## Committee on Consumer Relations In Advertising, Inc.

420 Lexington Ave., New York, N. Y.  
Murray Hill 5-7367

### OFFICERS

Chairman.....John Benson  
Executive Director.....Kenneth Dameron

### FUNCTIONS

This committee engages in research in the economics of advertising and the economics of consumption; provides a meeting place where consumers and advertisers can discuss mutual problems; provides consultation service for advertising agencies and others interested in management problems arising from consumer movements.

## The Dramatists' Guild

6 E. 39th St., New York, N. Y.  
MUrray Hill 5-6930

### OFFICERS

President.....Richard Rodgers  
Vice-President.....George S. Kaufman  
Secretary.....Victor Wolfson

### COUNCIL

George Abbott, Robert Ardrey, Philip Barry, Edward Childs Carpenter, Edward Chodorov, Russel Crouse, Owen Davis, Howard Dietz, Philip Dunning, Dorothy Fields, Joseph Fields, Nancy Hamilton, Oscar Hammerstein, II, Lillian Hellman, F. Hugh Herbert, George S. Kaufman, Sidney Kingsley, Arthur Kober, Howard Lindsay, Ogden Nash, Elliott Nugent, Eugene O'Neill, Paul Osborn, John Patrick, Samson Raphaelson, Elmer Rice, Arthur Schwartz, Robert E. Sherwood, Kurt Weill, and Victor Wolfson.

### FUNCTIONS

The Dramatists' Guild is one of the guilds of the Authors' League of America, Inc. The guild is primarily a protective organization for playwrights.

## Federal Communications Bar Assn.

Office of Secretary, 921 Tower Bldg.,  
Washington, D. C.  
District 2141

### OFFICERS

President.....Philip G. Loucks  
1st Vice-President.....Carl I. Wheat  
2nd Vice-President.....Reed T. Rollo  
Secretary.....William A. Porter  
Treasurer.....Arthur H. Schroeder

### FUNCTIONS

A national association of lawyers admitted to practice before the Federal Communications Commission.

## Federal Council of the Churches of Christ in America, Department of National Religious Radio

297 Fourth Ave., New York, N. Y.  
GRamercy 5-3475

### OFFICERS

Executive Secretary.....Frank C. Goodman  
Assistant Executive.....Ethel A. Rich  
Secretary.....Wesley B. Goodman

### FUNCTIONS

The Department of National Religious Radio was organized in 1923 to promote the effective use of broadcasting in the field of religion. With a membership including representatives of the major protestant groups, the organization arranges and produces seventeen non-sectarian religious radio programs each week, as well as special programs, over national networks.

## Federal Radio Education Committee (FREC)

Tempo 2, 19th and D Sts., N.W., Washington, D. C.  
Executive 6500, Extension 2565

### OFFICERS

Chairman.....J. W. Stuebaker  
Vice-Chairman.....C. F. Klinefelter  
Secretary-Editor.....Gertrude G. Broderick

### EXECUTIVE COMMITTEE

John W. Stuebaker, U. S. Commissioner of Education, Chairman.  
George P. Adair, Chief Engineer, Federal Communications Commission.

Lyman Byron, Director of Education, Columbia Broadcasting System.

Clifford J. Durr, Commissioner, Federal Communications Commission.

John Elmer, President, Baltimore Broadcasting Corporation.

Willard E. Givens, Executive Secretary, National Education Association.

Rev. Frederick G. Hochwalt, Director, Department of Education, National Catholic Welfare Conference.

Edgar Kobak, President, Mutual Broadcasting System.  
Dabney S. Lancaster, State Superintendent of Public Instruction (Va.) representing National Council of Chief State School Officers.

Harold B. McCarty, Director, Station WHA, representing National Association of Educational Broadcasters.

Bruce E. Mahan, Director of Extension, State University of Iowa, representing National University Extension Association.

Justin Miller, President, National Association of Broadcasters.

H. B. Summers, Manager of Public Service, The Blue Network.

Levering Tyson, President, Muhlenberg College.

Judith C. Waller, Educational Director, Central Division, National Broadcasting Company.

### FUNCTIONS

The Federal Radio Education Committee was appointed in 1935 by the Federal Communications Commission with the recommendation at that time that the broadcaster, on one hand, and the educator, on the other, combine forces which would: (1) eliminate controversy and misunderstanding between groups of educators and between the industry and educators; (2) promote actual cooperative arrangements between educators and broadcasters on national, regional and local bases. Publications to date include Script Exchange Catalog, Forums on the Air, College Radio Workshop, The School Radio Sound System, Radio Program Production Aids, "Americans All-Immigrants All," a supplementary teaching aid in the use of recordings of program series of the same name, the FREC Service Bulletin, Suggested Standards for College Courses in Radio, a Directory of Schools and Colleges Offering Courses in Radio.

## Federal Trade Commission

Pennsylvania Ave. at 6th St., N.W., Washington, D.C.  
EXecutive 6800

### PERSONNEL

Chairman.....Robert E. Freer  
Commissioner.....Garland S. Ferguson  
Commissioner.....Charles H. March  
Commissioner.....Ewin L. Davis  
Commissioner.....William A. Ayres  
Secretary.....Otis B. Johnson  
Chief Counsel.....Wm. T. Keiley  
Chief Examiner.....James A. Horton  
Chief Economist.....Col. William H. England  
Dir. Trade Practice Conferences.....Henry Miller  
Director, Radio & Periodical Division.....P. B. Morehouse  
Assistant Director, Radio & Periodical Division  
William F. Davidson

### FUNCTIONS

The Federal Trade Commission is a Governmental agency whose object is to prevent unfair methods of competition and unfair and deceptive acts and practices in commerce. For a description of the actual procedure and work of this body see articles appearing in other sections of this volume.

## First Advertising Agency Group

734 Union Commerce Bldg., Cleveland, Ohio  
Main 5194

### OFFICERS

President.....Lee E. Donnelley  
Vice-President.....Norman Lewis  
Secretary-Treasurer.....Melvin F. Hall

# ORGANIZATIONS

## BRANCH OFFICES

Membership in this organization includes advertising agencies in the following cities: Albany, N. Y.; Buffalo, N. Y.; Cincinnati, Ohio; Cleveland, Ohio; Des Moines, Iowa; Detroit, Mich.; Jacksonville, Fla.; Los Angeles, Calif.; Nashville, Tenn.; New York, N. Y.; Philadelphia, Pa.; Pittsburgh, Pa.; Richmond, Va.; San Francisco, Calif.; Salt Lake City, Utah; St. Louis, Mo.

## FUNCTIONS

This organization is a cooperative group of independently owned advertising agencies using identical standards of agency procedure and acting as branch offices in the interest of each member.

## The Institute for Education by Radio

Established 1930

Ohio State University, Columbus, Ohio  
UNiversity 3148, Extension 708

### OFFICERS

Honorary Director.....W. W. Charters  
Director.....I. Keith Tyler  
Executive Secretary.....Ardis Hillman Wheeler

### PROGRAM COMMITTEE

Howard Donahue, Program Director, WCOL; W. H. Ewing, Director, WOSU; T. C. Holy, Director, Bureau of Educational Research, Ohio State University; Irwin A. Johnson, Director of Developmental Programs, WBNS; John Moses, Production Manager, WHKC; H. W. Nisonger, Chairman, University Radio Education Committee; I. Keith Tyler, Director of the Institute; W. Hayes Yeager, Chairman, Speech Department.

### FUNCTIONS

This annual national conference was established in 1930 at the Ohio State University to provide for joint discussion, by broadcasters, educators and civic leaders, of the problems of educational broadcasting. The program is devoted chiefly to consideration of the policies and techniques of radio and is developed from the suggestions and recommendations of those attending the Institute in previous year. No resolutions are passed. The Institute also sponsors the American Exhibition and Citations of Educational Radio Programs which gives awards and honorable mentions to outstanding program series.

## Institute of Radio Engineers, Inc.

330 West 42nd St., New York 18, N. Y.  
MEdallion 3-5661

### OFFICERS

President.....Frederick B. Llewellyn  
Vice President.....Edward M. Deloraine  
Treasurer.....William C. White  
Secretary.....Haraden Pratt

### FUNCTIONS

The Institute of Radio Engineers is a professional organization of engineers in radio and allied fields. It publishes a magazine entitled "Proceeding of the I. R. E." and conducts meetings in New York and various other cities in the United States, Canada, and Argentina.

## Intercollegiate Broadcasting System, Inc.

507 Fifth Ave., New York, N. Y.  
VAnderson 6-6075

### OFFICERS

Chairman.....George Abraham  
Technical Manager.....David W. Borst  
Program Manager.....David Linton  
Station Relations Manager.....Sonia-Jane Brown

### BRANCH OFFICE

706 Sanders Ave., Schenectady 2, N. Y.  
Technical Manager.....David W. Borst

### FUNCTIONS

Intercollegiate Broadcasting system is a non-profit association of college campus radio stations and has as its purpose the furtherance of education, entertainment and goodwill among its members. The IBS maintains for the benefit of its members program, business and technical departments. Member stations include the following: University of Alabama, Brigham Young University, Brown University, Bryn Mawr College, Bucknell University, Columbia University, Cornell University, Harvard University, Haverford College, MacMurray College, Mary Washington College, North Carolina State College, Ohio University, University of Pennsylvania, Princeton University, Radcliffe College, Russell Sage College, St. Lawrence University, University of South Carolina, Stephens College, Swarthmore College, Union College, Wellesley College, Wesleyan University, Williams College, Yale University.

## Interdepartment Radio Advisory Committee (IRAC)

Chairman's Office: Federal Communications Commission, Washington, D. C.

### OFFICERS

Chairman.....Cdre. E. M. Webster  
Vice-Chairman.....Col. A. G. Simson  
Secretary.....M. H. Woodward  
Assistant Secretary.....M. A. Price  
Chairman, Technical Subcommittee  
Lt. Comdr. A. L. Budlong

### MEMBERS

Department of Agriculture.....E. W. Loveridge  
Department of Commerce.....Dr. J. H. Dellinger  
Federal Communications Commission.....E. K. Jett  
Department of Interior.....S. L. Windes  
Department of Justice.....E. P. Coffey  
Maritime Commission.....D. S. Brierly  
Department of Navy.....Comdr. Paul D. Miles  
Post Office Department.....Roy M. Martin  
Department of State.....H. B. Otterman  
Department of Treasury.....Capt. E. M. Webster  
Department of War.....Lt. Col. A. G. Simson

### ALTERNATE MEMBERS

Department of Agriculture.....E. C. Wagner  
Department of Commerce.....L. H. Simson  
Federal Communications Commission.....M. H. Woodward  
Department of Interior.....Howard F. Carl  
Department of Justice.....H. J. Walls  
Navy Department.....Lt. W. R. Foley  
Department of State.....Robert R. Burton  
Department of Treasury.....Lt. Comdr. A. L. Budlong  
Department of War.....Lt. Col. William E. Plummer

TECHNICAL ADVISORS ACCREDITED TO  
COMMITTEE V:

M. A. Price.....FCC  
Major Nathaniel White.....War Department  
Dr. E. Dillon Smith.....Dept. of Commerce, WB  
I. W. Conrad.....Dept. of Justice, FBI

FUNCTIONS

This committee, composed of representative officials from the various government departments and agencies is charged with advising the President in regard to the assignment of frequencies to government station or classes of station. Little of the committee's work is divulged for public information because of its nature (e.g. National Defense), which is confidential.

**International Brotherhood of Electrical Workers**

1200 Fifteenth St., N.W., Washington 5, D. C.  
District 3764

OFFICERS

International President.....Ed J. Brown  
International Secretary.....G. M. Bugnizet  
International Rep. for Radio Broadcasting, W. L. Reed

FUNCTIONS

The International Brotherhood of Electrical Workers is an affiliate of the American Federation of Labor having jurisdiction over technicians, and engineers in radio broadcasting. IBEW unions of radio broadcast technicians and engineers have been established throughout the United States, and approximately 400 standard commercial broadcast stations have collective bargaining agreements with IBEW.

**The Lambs**

130 W. 44th St., New York 18, N. Y.  
BRyant 9-8020

OFFICERS

Shepherd.....Raymond Peck  
Boy.....Harold G. Hoffman  
Corresponding Secretary.....Bobby Clark  
Recording Secretary.....Jack Whiting  
Treasurer.....James E. Meighan  
Librarian.....John S. (Ole) Olson

DIRECTORS

Kenneth Webb, Earl Benham, John McManus, William P. Adams, Walter N. Greaza, Otto Harbach, Elliott Nugent, Joseph S. Buhler, Ward Wilson, Bruce Evans, William J. Kelly, Russ Brown, Frank Fay, John Alexander, Jay Jostyn, Otto Kreuger.

LIFE DIRECTORS: R. H. Burnside, William Gaxton, Fred Waring, John Golden.

**Market Research Council**

New York 17, N. Y.  
c/o BBDD, 383 Madison Ave.  
ELdorado 5-5800 (ask for R. N. King)

OFFICERS

President.....Ray Robinson  
Vice-President.....Edw. Battery, Jr.  
Secretary-Treasurer.....Robert N. King

EXECUTIVE COMMITTEE

Ray Robinson, Edw. Battery, Jr., Robert N. King,  
D. B. Lucas, A. W. Lehman.

FUNCTIONS

This organization is a small informal group (limited membership) of leading market research men interested in general market research who meet monthly for a discussion of mutual problems.

**Music Publishers' Protective Association, Inc.**

45 Rockefeller Plaza, New York, N. Y.  
Circle 6-3084

OFFICERS

Chairman of the Board.....Walter G. Douglas  
President.....Lester Santly  
Vice-President.....Jack Mills  
Secretary.....J. J. Bregman  
Treasurer.....Richard F. Murray  
Agent and Trustee.....Harry Fox

**National Association of Broadcasters**

1760 "N" Street, N.W., Washington 6, D. C.  
National 2080

OFFICERS

President.....Justin Miller  
Executive Vice-President.....A. D. Willard, Jr.  
Secretary-Treasurer.....C. E. Arney, Jr.

ADMINISTRATIVE STAFF

Director of Government Relations.....Robert T. Bartley  
Director of FM Department.....Robert T. Bartley  
Director of Broadcast Advg.....Frank E. Pellegrin  
Asst. Dir. of Broadcast Advg.....J. Allen Brown  
Director of Engineering.....Howard S. Frazier  
Dir. of Promotion and Circulation.....Arthur Stringer  
Public Relations Consultant.....Edward M. Kirby  
Special Consultant.....Willard D. Egolf  
General Counsel.....John Morgan Davis  
Asst. Dir. of Research.....Helen H. Schaefer  
Coordinator of Listener Activity.....Dorothy Lewis

BOARD OF DIRECTORS

Districts

1—Paul W. Morency, WTIC, Hartford, Connecticut  
2—Kolin Hager, WGY, Schenectady, New York  
3—George D. Coleman, WGBI, Scranton, Pa.  
4—Campbell Arnoux, WTAR, Norfolk, Virginia  
5—F. W. Borton, WQAM, Miami, Florida  
6—Hoyt B. Wooten, WREC, Memphis, Tennessee  
7—James D. Shouse, WLW, Cincinnati, Ohio  
8—John E. Fetzer, WKZO, Kalamazoo, Michigan  
9—Leslie C. Johnson, WHBF, Rock Island, Illinois  
10—John J. Gillin, Jr., WOW, Omaha, Nebraska  
11—E. L. Hayek, KATE, Albert Lea, Minnesota  
12—William B. Way, KVOO, Tulsa, Oklahoma  
13—Martin B. Campbell, WFAA, Dallas, Texas  
14—Hugh B. Terry, KLZ, Denver, Colorado  
15—William B. Smullin, KIEM, Eureka, California  
16—William B. Ryan, KFI, Los Angeles, California  
17—Harry R. Spence, KKRO, Aberdeen, Washington  
Directors-At-Large

Large Stations—J. Leonard Reinsch, WSB, Atlanta, Georgia; J. Harold Ryan, WWVA, Wheeling, W. Va.  
Medium Stations—T. A. M. Craven, WOL, Washington, D. C.; G. Richard Shafto, WIS, Columbia, S. C.

Small Stations—Matthew H. Bonebrake, KOCY, Oklahoma City, Okla.; Clair R. McCullough, WGAL, Lancaster, Pa.

Network—CBS—Frank Stanton, New York, N. Y.;  
NBC—Frank M. Russell, Washington, D. C.

FUNCTIONS

The object of this Association shall be to foster and promote the development of the art of radio broadcasting; to protect its members in every lawful and proper manner from injustices and unjust exactions; to foster, encourage and promote laws, rules, regulations, customs and practices which will be for the best interest of the public and the radio industry.

**National Assn. of Performing Artists**

630 Fifth Ave., New York, N. Y.  
Circle 7-8194

OFFICERS

Honorary President.....Josef Hofmann  
President.....James J. Walker  
Vice-President.....Fred Waring



## ORGANIZATIONS

Vice-President.....Meyer Davis  
 Vice-President.....Paul Whiteman  
 Vice-President.....Al Jolson  
 Treasurer.....Don Voorhees  
 General Counsel.....Maurice J. Speiser

### BOARD OF DIRECTORS

Fred Waring, Chairman; Connie Boswell, Noel Coward, Bing Crosby, Meyer Davis, Mary Garden, Benny Goodman, Jascha Heifetz, Lewis James, Al Jolson, Arthur W. Levy, Guy Lombardo, John McCormack, Grace Moore, Ray Noble, Walter O'Keefe, Dick Powell, Fritz Reiner, Fabien Sevitsky, Nathaniel Shilkret, Lawrence Tibbett, Rudy Vallee, Don Voorhees, James J. Walker, Paul Whiteman, Victor Young, Efrem Zimbalist.

### FUNCTIONS

The object of the Association is to protect the recordings of its members and the prevention of their unauthorized use primarily by broadcast stations, coin-operated machines, etc.

### National Association of Educational Broadcasters

1010 S. Wright St., Urbana, Illinois  
 Urbana 7-2616

#### OFFICERS

President.....Frank E. Schooler  
 Vice-President.....Allen Miller  
 Treasurer.....W. I. Griffith  
 Executive Secretary.....A. James Abel

#### FUNCTIONS

To further the interests of educational broadcasting stations and educators broadcasting over commercial stations.

### National Better Business Bureau, Inc.

405 Lexington Ave., New York 17, N. Y.  
 Murray Hill 6-3535

#### OFFICERS

President.....R. P. Clayberger  
 Vice-President.....Phillips Wyman  
 Secretary.....Warren C. Agry  
 Treasurer.....John L. Anderson  
 General Manager.....Edward L. Greene

#### FUNCTIONS

This organization assists the public, advertisers and publishers to avoid false and deceptive advertising. It cooperate with law enforcement agencies in this work.

### National Independent Broadcasters (NIB)

President's Office: 565 Fifth Ave., New York, N. Y.  
 Plaza 3-1535  
 Washington Office: Edmonds Bldg., 917 Fifteenth St., N.W., Washington, D. C.  
 Phone, Republic 3607

#### OFFICERS

President.....Harold A. Lafount  
 General Counsel.....Andrew W. Bennett

#### FUNCTIONS

This association was organized and is operated by independently owned and operated stations, as distinguished from national networks and stations owned or managed by national networks, to meet the need of special representation for such independently owned

stations in handling the problems and activities peculiar to them as a group. All broadcast stations are eligible for membership except stations owned or managed by national networks.

### National Industrial Advertisers Association, Inc.

100 E. Ohio St., Chicago, Ill.  
 Superior 8140

#### OFFICERS

Chairman, Board of Directors.....Arno O. Witt  
 Schramm Inc., West Chester, Pa.  
 President-General Manager.....W. Lane Witt  
 N.I.A.A. Headquarters, 100 E. Ohio St.,  
 Chicago 11, Ill.  
 Secretary-Treasurer.....Walter M. Yogerst  
 Bodine Electric Co., 2254 W. Ohio St., Chicago, Ill.  
 Vice-President.....J. A. Burgess  
 Gulf Oil Corp., Gulf Bldg., Pittsburgh 19, Pa.  
 Vice-President.....Ross M. Cunningham  
 Massachusetts Institute of Technology,  
 Cambridge, Mass.  
 Vice-President.....C. E. Cischel  
 Walter Kidde & Co., Inc., 140 Cedar St.,  
 New York, N. Y.  
 Vice-President.....Harry O. Heller  
 Reed Roller Bit Co., Houston 1, Texas  
 Vice-President.....Howard Kenyon  
 LaPlant-Choate Mfg. Co., Cedar Rapids, Iowa  
 Vice-President.....C. N. Kirchner  
 Evans Associates, Inc., 307 N. Michigan Ave.,  
 Chicago 11, Ill.  
 Vice-President.....Richard F. O'Mara  
 Western Precipitation Corp., 1016 W. Ninth St.,  
 Los Angeles 15, Calif.  
 Vice-President.....V. R. Young  
 Canadian General Electric Co. Ltd.,  
 212 King St. W., Toronto, Ont., Canada  
 Past-President.....James R. Kearney, Jr.  
 J. R. Kearney Corp., 4236 Clayton Ave.,  
 St. Louis 10, Mo.

#### FUNCTIONS

This organization is a trade association devoting its efforts exclusively to the advancement of industrial advertising and marketing technique and practice.

### National Variety Artists, Inc.

223-5 W. 46th St., New York, N. Y.  
 Columbus 5-2638

#### OFFICERS

President.....Louis Handin  
 First Vice-President.....Jack Boyle  
 Second Vice-President.....Juliet Heath  
 Treasurer.....Frank O'Connell  
 Secretary.....Rosa Crouch

#### DIRECTORS

C. H. Preston, Leon E. Bendon, Bert Spencer, Joe Woods, James Mooney, Joe Verdi, Harry Jackson, Billy Gould, Lillian Weed, William Rich (alt.).

#### TRUSTEES

Phil Kelly, Bob Robbins, George Matthews, Hans Robert, Henry Lewinsohn, Joe Pastor.

#### FUNCTIONS

The function of National Variety Artists, Inc., is to promote Americanism and fraternal and welfare activities among the members of the theatrical profession.

## Nebraska Broadcasters Association

Secretary's Office: c-o WJAG, Norfolk, Nebr.  
Phone: 432

President ..... Lumir Urban  
(KORN, Fremont)  
Vice-President ..... Duane Watts  
(KHAS, Hastings)  
Secretary-Treasurer ..... Art Thomas  
(WJAG, Norfolk)

### DIRECTORS

Gordon Gray, KOIL, Omaha; John Alexander, KODY, North Platte; John Gillin, Jr., WOW, Omaha.

### MEMBER STATIONS

KBON, Omaha; KFAB, Lincoln; KFOR, Lincoln; KGFW, Kearney; KOKY, Scottsbluff; KODY, North Platte; KHAS, Hastings; KMMI, Grand Island; KORN, Fremont; KOWH, Omaha; KOIL, Omaha; WJAG, Norfolk; WOW, Omaha.

## Northern California Broadcasters Association

c/o C. L. McCarthy, Secretary  
KQW San Francisco Studios  
140 Jessie St., San Francisco, Calif.

### OFFICERS

President ..... Arthur Westlund  
(KRE, Berkeley)  
Secretary-Treasurer ..... C. L. McCarthy  
(KQW, San Jose)

### FUNCTIONS

The Northern California Broadcasters Assn. is an informal organization established to discuss and work out problems common to the broadcasting stations in the territory.

## Ohio Association of Broadcasters

22 E. Gay St., Columbus, Ohio  
Phone, Adams 1101

### OFFICERS

President ..... Robert T. Mason  
(WMRN, Marion)  
Vice-President ..... Arch Shaw  
(WTOL, Toledo)  
Secretary-Treasurer ..... Carl M. Everson  
(WKHC, Columbus)

### FUNCTIONS

Trade organization. The purpose to be of mutual benefit in all matters pertaining to the welfare of radio, in Ohio.

## Pacific Advertising Association

Charles W. Collier, Managing Director  
Lola M. Huey, Executive Secretary  
337 Monadnock Building  
San Francisco, Calif.  
Garfield 6868

### OFFICERS AND DIRECTORS

President—Charles A. Storke, Asst. Publisher, News-Press, operators of Radio Station KTMS, Santa Barbara, Calif.

Senior Vice-President—Vernon Churchill, Assistant to Publisher, The Oregon Journal, Portland, Oregon.

Secretary-Treasurer—George A. Moore, Vice-President, Prudential Federal Savings & Loan Association, 125 South Main St., Salt Lake City, Utah.

Vice-President at Large—Helen O'Neil, Manager Oakland Office, Fielder Sorenson & Davis, Latham Square Building, Oakland, Calif.

Vice-President Dist. No. 1—Harvey A. Brassard, Account Executive, Syverson-Kelley, Inc., Mohawk Building, Spokane, Washington.

Vice-President Dist. No. 2—Gilbert L. Stanton, Dir. of Adv. and Public Relations, Idaho Power Company, Boise, Idaho.

Vice-President Dist. No. 3—H. Quenton Cox, Asst. Manager, Station KGW, Portland, Oregon.

Vice-President Dist. No. 4—Wilmot P. Rogers, Advertising Director, California Packing Corporation, 101 California St., San Francisco, Calif.

Vice-President Dist. No. 5—Harwood H. Fawcett, Transit Advertising Company, Union Building, San Diego, California.

Past President—George Weber, MacWilkins, Cole & Weber, Republic Bldg., Seattle, Wash.

Chairman, Finance Committee—Howard Willoughby, Vice-President and General Manager, Lane Publishing Co., 576 Sacramento St., San Francisco, Calif.

Chairman, Club Service Committee—Benot Hanau, Advertising Counselors of Arizona, 707 Security Building, Phoenix, Arizona.

Chairman, Advancement of Business Committee—Don Belding, Chairman of the Board of Foote, Cone & Belding, 601 5th St., Los Angeles, Calif.

Chairman, Senior Advisory Committee, Junior Division—Claire Drew Forbes, Adv. Manager, Rhodes Dept. Store, Seattle, Washington.

Chairman, Pacific Coast Advertising Commission—George W. Kleiser, President, Foster & Kleiser Co., 1675 Eddy St., San Francisco, Calif.

### FUNCTIONS

The Pacific Advertising Association, now in its 43rd year, is organized for the purpose of achieving a better understanding of advertising in our American life. The Association, through its 2,800 members, has energetically pursued this purpose in all of its many divisions of work; in the Advertising Clubs, in annual conferences, and in its aggressive Advancement of Business Program.

## Pennsylvania Broadcasters Assn.

P. O. Box 11, Harrisburg, Pa.

### OFFICERS

President ..... George B. Coleman  
(WGBI, Scranton)  
Vice-President ..... Roy Thompson  
(WFBG, Altoona)  
Treasurer ..... Dr. Leon Levy  
(WCAU, Philadelphia)  
Secretary ..... C. G. Moss  
(WKBO, Harrisburg)

### FUNCTIONS

This organization is a mutual association of the broadcasting stations of Pennsylvania, formed for the purpose of conducting business negotiations concerning matters of interest to the radio broadcasting stations of the state. Its membership is active on the part of practically every station in the state.

## Professional Music Men, Inc.

1270 Sixth Ave., New York, N. Y.  
Columbus 5-7362

### OFFICERS

President ..... Rocco Vocco  
First Vice-President ..... Joseph Santly  
Second Vice-President ..... Charles Warren  
Third Vice-President ..... Phil Kornheiser  
Treasurer ..... Irving Tanz  
Financial Secretary ..... Michael L. Schloss  
Recording Secretary ..... Louis E. Schwartz  
Sergeant-at-Arms ..... David Kent  
Executive Director ..... Bob Miller

# ORGANIZATIONS

## BRANCH OFFICES

19 S. La Salle St., Chicago, Ill.  
 Regional Director.....Morton Schaefer  
 1549 N. Vine Street, Hollywood, Calif.  
 Regional Director.....Nat Winecoff  
 36 East Fifth Street, Cincinnati, Ohio  
 Regional Director.....Danny Engel  
 433 Little Building, Boston, Mass.

## FUNCTIONS

Charitable and Benevolent Organization.

## The Radio Club of America, Inc.

11 W. 42nd St., New York, N. Y.  
 LOnacre 5-6622

### OFFICERS

President.....F. A. Klingenschmitt  
 Vice-President.....O. James Morelock  
 Treasurer.....J. J. Stantley  
 Corresponding Secretary.....M. B. Sleeper  
 Recording Secretary.....J. H. Bose

### DIRECTORS

Ernest V. Amy, Edwin H. Armstrong, R. M. Akin, Jr., R. R. Batchner, George E. Burghard, John L. Callahan, F. E. Canavacoli, Alan Hazeltine, L. C. F. Horle, H. W. Houck, Jerry Minter, Harry Sadenwafer, Paul Ware.

### FUNCTIONS

Object of the club is the promotion of cooperation among those interested in scientific investigation and amateur operation in the art of radio communication. Meetings are held monthly from September through June at Columbia University. Proceedings are published approximately six times a year (see listing under publications contained in this volume).

## Radio Council—WBEZ (FM)

Chicago Public Schools  
 228 N. La Salle St., Chicago, Ill.  
 Dearborn 7801

### PERSONNEL

Director.....Col. Harold W. Kent  
 Associate Director.....George Jennings  
 Program Director.....Elizabeth E. Marshall  
 Production Head.....Robert R. Miller  
 Engineer.....E. H. Andresen

### EXECUTIVE COMMITTEE

#### SCHOOL BROADCAST CONFERENCE

Director.....George Jennings  
 Dean Douglass, RCA, Chicago; Robert Hansen, Criterion Transcription, Chicago; David Heffernan, Assistant Superintendent of Schools, Cook County Schools, Chicago; Colonel Harold W. Kent, Radio Council, Chicago Public Schools, Chairman; Elisabeth E. Marshall, Program Director, Radio Council, Chicago Public Schools; William Newton, BBC, Chicago; Myrtle Stahl, WGN-MBS, Chicago; E. Jerry Walker, WBKB, Chicago; Judith Waller, NBC, Chicago; J. Oren Weaver, WBBM-CBS, Chicago.

### FUNCTIONS

The Radio Council of the Chicago Public Schools operates a non-commercial FM station and is a producing group primarily interested in presenting in-school broadcasts for classroom use. The Council also produces many out-of-school programs over standard Chicago stations of a public service or adult education nature.

The School Broadcast Conference will hold its 10th annual meeting in 1946, and is a permanent national meeting to discuss the use of radio in education.

An advisory committee, made up of some 50 educators and radio executives throughout the nation assist the executive committee in preparation of the annual program. The Conference, in connection with its annual meeting, holds an exhibit of new equipment for school use, and serves as a clearing house for information about equipment, classroom use of radio, availability of scripts and such other information for schools throughout the year.

## Radio Directors Guild

The Gladstone  
 114 E. 52nd St., New York, N. Y.  
 PLaza 3-4300

### OFFICERS

New York Chapter

President.....William N. Robson  
 Vice-President.....Anton M. Leader  
 Secretary.....George Maynard  
 Treasurer.....Robert L. Shayon

### MEMBERS

Wendell Adams, Wylie Adams, Alton Alexander, Robert Allison, Martin Andrews, Cyril E. Armbrister, Ira Ashley, Martha Atwell, Ira Avery, Oliver Barbour, Lt. Howard G. Barnes, Andre Baruch, Leonard L. Bass, John Becker, Joseph Bell, Tom Bennett, Gertrude Berg, Lawrence Berns, Frederick Bethel, Roger Bower, Marguerite H. Bowman, William Brennan, Stuart Buchanan, John Buckwalter, Edward A. Byron, Ward Byron, John M. Carney, Hubert V. Chain, Lou Chapin, Dick Charles, Jay Clark, John Cleary, Lee Cooley, Captain Ted Corday, Norman Corwin, George Creamer, Joseph M. Daly, Oliver Daniel, Carlo De Angelo, Clay B. Daniel, Stanley Davis, Guy della-Cioppa, Jerry Devine, Henry W. Dick, John Dietz, William S. Doughten, Edward Ray Downes, Allen H. Ducovny, Edwin Duerr, Paul Dumont, Edwin L. Dunham, Carl Eastman, Gene Eubanks, DeVere Engelbach, James H. Fassett, Ross Filion, Charles S. Freed, Theo. Gannon, Garnet Garrison, William Gernannt, Aldo J. Chisalbert, Don Gillis, Paul Girard, Wesley B. Goodman, Mark Goodson, Mitchell Grayson, Axel Gruenberg, Walter Hackett, Laurence Hammond, Arthur Hanna, Jay Hanna, Charles T. Harrell, Leslie T. Harris, James Haupt, Robert P. Heller, Jack Hill, Garrett Hollihan, Jr., Harry Ingram, Elinor F. Inman, Lt. Clinton Johnson, Louis Jacobson, Jack Johnstone, William G. King, Paul Knight, Raymond Knight, Howard T. Keegin, Ray H. Kremer, Alan Kent, G. Bennett Larson, Anton M. Leader, Herb J. Leder, Alexander Leftwich, Jr., Virginia Lee, Derrick R. Leighton, Winifred Lenihan, Wilfred Lenihan, Richard Leonard, Lt. David Levy, Richard Lewis, Roy Lockwood, Marks Loeb, Basil Loughrane, John W. Loveton, Rupert Lucas, John Macdonnell, Lindsay MacHarris, Kenneth W. MacGregor, Sherman A. MacGregor, Nila Mack, Martin Magner, Joseph Mansfield, William Marshall, Don Martin, Paul Martin, Jessica Maxwell, Peggy S. Mayer, George Maynard, Harold McGee, Earle L. McGill, Jerry McGill, Walter J. McGraw, Wesley McKee, Kathleen McMahon, Arnold Michaelis, John V. Mitchell, John T. Mitchell, Brewster Morgan, Herbert M. Moss, Oliver Nicholl, Robert Nolan, Ace Ochs, Lester O'Keefe, Eldridge Packham, William R. Paddock, Frank Papp, Eric S. Pinder, Edward Pola, Herbert S. Polesie, Charles H. Powers, Vernon Radcliffe, William S. Rainey, Capt. Irving K. Reis, Ernest Ricca, Herbert C. Rice, Thomas L. Riley, Maurice L. Robinson, William N. Robson, Jack Roche, Norman Rosen, William B. Rousseau, William Royal, John S. Rugge, S 2/c, Daniel Russell, T/Sgt. Victor Sack, Herbert C. Sanford, Richard Sanville, Walter Scanlon, Joseph Scibetta, Victor Seydel, Elizabeth G. Selig, Robert Lewis Shayon, James Sheldon, Addison Smith, Jr., Beverly L. Smith, Robert E. Smith, Robert S. Steel, Paul Stewart, William M. Sweets, Frank K. Telford, Capt. Joseph A. Thompson, William S. Todman, Day Tuttle, Lester Vail, Pvt. Thomas S. Viotor, Jr., Chick Vincent, Charles Warburton, Pvt. Albert Ward, Ken-

neth Webb, Tex Weiner, Pvt. Robert Welch, Orson Welles, John Wellington, James Whipple, Margaret D. Whittemore, George Weist, Howard Williams, Pete Witt, Theodora Yates, Lt. George J. Zachary.

**FUNCTIONS**

A voluntary association to advance, foster, promote and benefit the interests of directors of radio programs and to protect secure their rights in their professional activities.

**Radio Executives Club of New York**

630 Fifth Ave., New York 20, N. Y.  
Circle 6-1750

**OFFICERS**

President .....Murray Grabhorn  
Vice-President .....Craig Lawrence  
Secretary .....Helen Wood  
Treasurer .....Claude Barrere

**FUNCTIONS**

The major functions of the Radio Executives Club are: (1) to promote and encourage the use of radio broadcasting as an advertising medium; (2) to create a lasting fraternity of persons engaged in the business of radio; (3) to promote a better understanding of radio broadcasting and its attending problems; (4) to maintain a central bureau of employment for members of the club; (5) to provide a common meeting place for all persons engaged in the business of radio. Meetings are held twice monthly from October to May and membership is open to anyone engaged in the business of radio, subject to approval of the membership committee.

**Radio Manufacturers Association**

1317 F Street, N. W., Washington, D. C.  
National 4901

**OFFICERS**

President .....R. C. Cosgrove  
Executive Vice-President-Secretary .....Bond Geddes  
Treasurer .....Leslie F. Muter  
General Counsel .....John W. Van Allen  
Vice-President .....E. A. Nicholas  
(Farnsworth Television & Radio Corp.)  
Vice-President .....George Lewis  
(Federal Telephone & Radio Corp.)  
Vice-President .....M. F. Balcom  
(Sylvania Electric Products, Inc.)  
Vice-President .....Robert C. Sprague  
(Sprague Electric Company)

**DIRECTORS**

Ben Abrams, Emerson Radio & Phonograph Corp.; E. A. Schuler, Sentinel Radio Corp.; Dr. W. R. G. Baker, General Electric Co.; John Ballantyne, Philco Corp.; Herbert A. Bell, Packard-Bell Co.; F. C. Best, Chicago Telephone Supply Co.; P. S. Billings, Belmont Radio Corp.; A. Blumenkrantz, General Instrument Corp.; R. E. Carlson, Tung-Sol Lamp Works, Inc.; Monte Cohen, F. W. Sickles Co.; S. I. Cole, Aerovox Corp.; Walter Evans, Westinghouse Electric Corp.; Frank M. Folsom, RCA-Victor Division of RCA; G. Richard Fryling, Erie Resistor Corp.; Paul V. Galvin, Galvin Mfg. Corp.; A. H. Gardner, Colonial Radio Corp.; Joseph Gerl, Sonora Radio & Television Corp.; F. A. Hiter, Stewart-Warner Corp.; H. J. Hoffman, Machlett Laboratories, Inc.; J. J. Kahn, Standard Transformer Corp.; F. R. Lack, Western Electric Co., Inc.; Dr. Ray H. Manson, Stromberg-Carlson Co.; J. J. Nance, Zenith Radio Corp.; David T. Schultz, Raytheon Mfg. Co.; Ernest Searing, International Resistance Co.; Ray F. Sparrow, P. R. Mallory & Co., Inc.; Glenn W. Thompson, Noblitt-Sparks Industries, Inc.; A. S. Wells, Wells-Gardner & Co.

**FUNCTIONS**

Non-profit, co-operative trade association for the promotion of all radio interests and special services to radio and electronic manufacturers.

**Radio Manufacturers Assn. of Canada**

159 Bay St., Toronto, Ont., Canada  
Adelaide 1531

**OFFICERS**

President .....R. M. Brophy  
Vice-President .....S. L. Capell  
Executive Secretary .....S. D. Brownlee  
Chairman of Parts Division .....W. H. Furneaux  
Chairman of Engineering Committee .....A. B. Oxley  
Chairman of Service Committee .....W. A. White

**FUNCTIONS**

This association is a non-profit and co-operative organization founded in 1926 to promote the interests of the radio manufacturing industry in Canada.

**Radio Script & Transcription Exchange, Federal Radio Education Committee**

U. S. Office of Education, Washington, D. C.  
Republic 1820, Extension 2225

**OFFICERS**

Acting Director .....C. F. Klinefelter  
Assistant Director .....Gertrude G. Broderick  
Radio Education Speciality .....R. R. Lowdermilk

**FUNCTIONS**

The exchange is designed to promote more effective local broadcasting by educational and civic organizations and radio stations by serving as a clearing house for selected educational radio scripts, transcriptions and production aids, and as a source of all kinds of information pertaining to the field of educational radio.

**Radio Technical Planning Board**

55 W. 42nd St., New York, N. Y.  
Longacre 3-3279

Chairman .....Haraden Pratt  
Vice-Chairman .....Howard S. Frazier  
Treasurer .....Will Baltin  
Secretary .....William H. Crew

**FUNCTIONS**

The RTPB formulates plans for the technical future of the radio industry and services, including frequency allocations and systems standardization, in accordance with the public interest and the technical facts. The Planning Board advises government, industry and the public of its recommendations. Such planning is restricted to engineering considerations.

**The Radio Writers' Guild of the Authors' League of America, Inc.**

6 E. 39th Street, New York, N. Y.  
Murray Hill 5-6930

**OFFICERS**

National President .....Sam Moore  
Vice-Presidents: Eastern Region .....Peter Lyon  
Midwestern Region .....Herbert Fufran  
Western Region .....Milton Merlin  
National Secretary .....Dorothy Bryant

**BRANCH OFFICES**

Chicago: 203 N. Wabash Ave., Phone, Andover 5458.  
Hollywood: 1655 N. Cherokee Ave., Phone, Hollywood 3601.

**FUNCTIONS**

For the business protection of men and women earning their living as radio writers.

# ORGANIZATIONS

## Rocky Mountain Radio Council, Inc.

21 East 18th Ave., Denver 2, Colo.  
KEystone 5306

### OFFICERS

President.....W. D. Armentrout  
Secretary.....Roy M. Green  
Treasurer.....Malcolm G. Wyer

### EXECUTIVE COMMITTEE

A. Helen Anderson, Ben M. Cherrington, H. M. Crain, Robert L. Stearns.

### FUNCTIONS

The Rocky Mountain Radio Council is a non-profit corporation of 30 organizations formed to give professional aid to educational organization in planning, preparing and producing their radio broadcasts. In 1944, it produced 361 programs for 16 organizations, which were re-broadcast 1,536 times from 19 commercial radio stations in the Rocky Mountain region. Recording studio facilities available for commercial work.

## SESAC, Inc.

475 Fifth Ave., New York 17, N. Y.  
MURray Hill 5-5365.

### OFFICERS

President.....Paul Heinecke  
Treasurer.....R. C. Heinecke

### FUNCTIONS

Licensing use of copyright music, transcription library, syndicated transcribed tailor-made programs for advertisers.

## Society of Jewish Composers, Publishers and Song Writers

152 W. 42nd St., New York, N. Y.  
LONgacre 5-9124

### OFFICERS

President.....Sholom Secunda  
Vice-President.....Rev. Pinchus Jassinowsky  
Treasurer.....Alexander Olshanetsky  
Secretary.....Henry Lefkowitz  
General Manager.....Salom J. Perlmutter

### FUNCTIONS

This association licenses public performance rights of music copyrighted by its members and on which they collect royalties. Association owns approximately 95 percent of the Jewish compositions.

## Society of Motion Picture Engineers

Hotel Pennsylvania, New York, N. Y.  
PENnsylvania 6-0620

### OFFICERS (As of Jan. 1, 1946)

President.....D. E. Hyndman  
Past President.....Herbert Griffin  
Executive Vice-President.....Loren L. Ryder  
Engineering Vice-President.....J. A. Maver  
Editorial Vice-President.....A. C. Downes  
Financial Vice-President.....M. Richard Boyer

Convention Vice-President.....W. C. Kunzmann  
Secretary.....Clyde R. Keith  
Treasurer.....Earl I. Sponable  
Executive Secretary.....Harry Smith, Jr.

### GOVERNORS

Frank E. Carlson, J. I. Crabtree, Alan W. Cook, Paul J. Larsen, Reeve Strock, Charles R. Daily, Wesley C. Miller, John G. Frayne, Peter Mole, W. A. Mueller.

### FUNCTIONS

In addition to its motion picture activities, this association is actively interested in television. It publishes a monthly organ in which various subjects are discussed by men in the industry.

## Song Writers' Protective Association (SPA)

1250 Sixth Ave., New York 20, N. Y.  
COLUMbus 5-3758

### OFFICERS

President.....Sigmund Romberg  
Vice-President.....Charles Tobias  
Second Vice-President.....Milton Drake  
Secretary.....Sam H. Stept  
Treasurer.....Abel Baer  
Counsel.....John Schulman  
Executive Secretary.....Sayre Marder

### FUNCTIONS

Song Writers' Protective Association aims to foster the interests of all persons engaged in writing musical compositions. By cooperative effort it seeks to eliminate inequitable conditions and harmful practices and to assist members when disputes arise over enforcement of contracts or the collection of royalties.

## Southern California Broadcasters' Association, Inc.

542 S. Broadway, Los Angeles 13, Calif.  
MICHigan 8654

### OFFICERS

President.....Robert O. Reynolds, KMPC, Los Angeles  
Secretary-Treasurer.....Lee Wynne, KGER, Los Angeles

### FUNCTIONS

Membership of the Southern California Broadcasters' Association is composed of 30 southern California stations and 4 networks, represented in each case by its manager or senior executive. Meetings are devoted to discussion of industry problems, such as ASCAP, BMI, labor, engineering, code of ethics, agency recognition, coordination with governmental agencies, civic activities, etc.

## Sports Broadcasters Association (New York Chapter)

c/o Hank Viscardi, 1440 Broadway, New York, N. Y.  
PENnsylvania 6-9600

### OFFICERS

President.....Bill Slater  
Vice-President.....Red Barber  
Vice-President.....Bud Watson  
Treasurer.....Jimmy Dolan  
National Secretary.....George Schreier

## FUNCTIONS

It is the object of the Sports Broadcasters Association to promote the standard of the profession of sports broadcasting among its members and to disseminate sports information to its members through a regular weekly luncheon. Membership is restricted to any male person who is actively engaged in the profession of sports broadcasting whether as an announcer, commentator or writer.

## Television Associates, Inc.

190 N. State St., Chicago, Ill.

### OFFICERS

President..... Charles Collette  
Vice-President..... Chester C. Woolridge  
Secretary-Treasurer..... E. C. Upton

### FUNCTIONS

Television Associates, Inc., was formed for the purpose of being a service organization to the television industry. Television apparatus developed from the Bill Eddy patents will be put on the market from time to time.

## Television Broadcasters' Assn., Inc.

500 Fifth Ave., New York, N. Y.  
Lackawanna 4-4788

### OFFICERS

President..... Jack R. Poppele  
Vice-President..... F. J. Bingley  
Secretary-Treasurer..... Will Baltin  
Assistant Secretary-Treasury..... O. B. Hanson

### DIRECTORS

Dr. Allen B. DuMont, Allen B. DuMont Laboratories, Inc.; F. J. Bingley, Philco Corp.; Curtis W. Mason, Earle C. Anthony, Inc.; E. A. Hayes, Hughes Productions; Jack R. Poppele, WOR, New York; O. B. Hanson, National Broadcasting Co., Inc.; Paul Raibourn, Television Productions, Inc.; Ernest I. Vogel, Farnsworth Television & Radio Corp.; G. Emerson Markham, General Electric Company.

### FUNCTIONS

Founded January, 1944, as a non-profit organization of television broadcasters and others engaged in any business directly connected with television broadcasting. Objects are to foster and promote the development of the art of television broadcasting; to protect its members in every lawful and proper manner; to foster, encourage and promote laws, rules, regulations, customs and practices which will be in the best interest of the public; to protect the interests of the members of the Association by opposing the enactment of adoption of any laws, rules, regulations, customs or practices which would discriminate against or in any way injure the members of this Association.

## Television Press Club of New York

c-o Miss Elizabeth Forsling  
Radio Editor, Newsweek  
152 West 42nd St., New York, N. Y.

### BOARD OF GOVERNORS

Chairman, Stanley Kempner, Retailing Home Furnishings; Vice-Chairman, Lewis Winner, Communications; Secretary, Elizabeth Forsling, Newsweek; Treas-

urer, Clifford E. Denton, Daily News; Committee Chairmen: Publicity, T. R. Kennedy, Jr., New York Times; Membership, Ben Kaufman, Television Magazine. Other Members: M. H. Shapiro, Radio Daily; Bruce Robertson, Broadcasting; Patricia Murray, TV.

### FUNCTIONS

A non-profit, unsponsored organization, this informal group was formed in 1944. Membership is limited to the professional television press—writers covering tele newspapers, magazines, the trade press, books, films and radio. Purpose is to foster the sound development of television by serving as a focal point for members of the tele press to meet regularly and discuss current trends. Prominent figures in television are invited as guest speakers for the luncheon meetings.

## Twenty Year Club

167 East 64th St., New York, N. Y.  
Regent 4-3344

Founder..... H. V. Kaltenborn

### FUNCTIONS

The Twenty Year Club is an Honor Roll of men and women who have been associated with radio broadcasting for 20 years, and whose association antedates April 4, 1925. There are no dues, fees, officers, regular meetings, or other obligations. Three year books have been published. Much historic material on the beginnings of broadcasting has been placed in the club files.

## United States Department of Agriculture

Office of Information  
Radio Service  
Washington 25, D. C.  
Republic 4142—Extension 5163.

### OFFICERS

Chief..... John C. Baker  
Western Representative..... Kenneth M. Gopen  
821 Market St., San Francisco, Calif.

### FUNCTIONS

Prepares and voices Department of Agriculture programs on the networks, including the National Farm and Home Hour, The American Farmer and Consumer Time, Produces radio transcriptions for national distribution on agricultural subject, issues weekly information letters and background material for farm and women's program directors.

### PRODUCTION AND MARKETING ADM.

Information Service  
Washington 25, D. C.  
Republic 4142—Extension 3285

### OFFICERS

Director..... J. B. Hasselman  
Radio and Market News..... E. J. Rowell

### BRANCH OFFICES

New York: 150 Broadway.  
Chicago: 5 S. Wabash Ave.; Walter W. John, In Charge.  
San Francisco: 821 Market St.; J. Don Walsh, In Charge.  
Dallas: 425 Wilson Bldg.; Meno Schoenbach, In Charge.  
Atlanta: Western Union Bldg.; Arthur Susott, In Charge.

# ORGANIZATIONS

## FUNCTIONS

The Production and Marketing Administration is generally responsible for production, adjustment, loan, purchase, subsidy, diversion, export, surplus disposal programs, supply estimates, allocation recommendations, market news, standardization, inspection and grading, agricultural marketing agreements and other activities and programs.

## United States Department of Interior— Radio Section

Interior Department Radio Studios, Washington, D. C.  
Republic 1820

### PERSONNEL

Director.....Willett Kempton  
Chief Engineer.....Harry S. Barton

### FUNCTIONS

The Radio Section of the Interior Department operates studios and a transcription service available to all agencies of the Federal Government, and acts as a radio production and information center for the bureaus and divisions of the Interior Department in keeping broadcasters and radio advertisers informed about such matters as fish and wildlife conservation, the national parks, land reclamation and utilization, hydroelectric power and irrigation projects, natural resources, Indian affairs, the U. S. Territories and island possessions, geological survey, grazing service, etc.

## The Advertising Council, Inc.

11 West 42nd St., New York, N. Y.  
BRyant 9-3641

### OFFICERS

Chairman.....James W. Young  
Vice-Chairman.....Paul B. West  
Vice-Chairman.....Kerwin H. Fulton  
Vice-Chairman.....William Reydel  
Secretary-Treasurer.....Frederic R. Gamble  
Executive Director.....Theodore S. Repplier

### BRANCH OFFICE

1010 Vermont Ave., Washington 5, D. C.  
Theodore S. Repplier, Executive Director  
Phone: District 9043

To provide a means for marshalling the forces of advertising so that they may be of maximum aid in the successful prosecution of the war.

## Washington State Association of Broadcasters

Tom Olsen, Olympia, Wash.  
Olympia 6636

### OFFICERS

President.....Tom Olsen  
Vice-President.....H. E. Studebaker  
Secretary-Treasurer.....Robert Priebe

### FUNCTIONS

The Washington State Association of Broadcasters is an organization formed for the mutual protection, the exchange of commercial ideas and the education of its members in matters pertaining to radio.

## Western Association of Broadcasters

109 C. P. R. Building  
Edmonton, Alberta, Canada  
Telephone 22101

### OFFICERS

President.....G. R. A. Rice  
(CFRN, Edmonton, Alberta)

### DIRECTORS

R. H. Elphicke, A. M. Cairns, L. Moffatt.

### FUNCTIONS

To promote Goodwill and mutual protection amongst the broadcasting stations of Western Canada. To make recommendations to the Canadian Association of Broadcasters; to raise the standard of ethics of the operations of commercial broadcasting stations in Western Canada. Generally, the objects of the Canadian Association of Broadcasters.

## Writers' Board

147 W. 42nd St., N. Y.  
BRyant 9-6937

Chairman.....Rext Stout  
Executive Secretary.....Fredericca Barach

### MEMBERS

Carl Cramer, Russel Crouse, Jerry Devine, Clifton Fadiman, Thomas K. Finletter, Jack Goodman, Samuel Grafton, Alan Green, Oscar Hammerstein II, Morrison Hobe, Christopher La Farge, Robert Landry, Margaret Leech, Jean Ellis Poletti, Henry Pringle, Luise Silcox.

### FUNCTIONS

To work with writers, editors, radio stations, etc., to further the production of constructive material dealing with racial and religious tolerance, the eradication of native fascism and promotion of world government, in our time.

## Woman's National Radio Committee

113 West 57th St., New York 19, N. Y.  
Circle 7-4110

### OFFICERS

Chairman.....Mme. Yolanda Mero-Irion  
Vice-Chairman.....Mrs. Marion M. Miller  
Secretary.....Miss Helen Havener  
Treasurer.....Mrs. M. D. Jackson  
Executive Secretary.....Mrs. Rosalie Wolf  
Members-At-Large.....Mrs. Sidonie M. Gruenberg,  
Mrs. Mary F. Larkin, Mrs. Emory Ross, Mrs. Jesse M. Bader, Mrs. Bettina Gunczy.

### FUNCTIONS

This committee has for its purpose to raise the standard of radio programs for adults, young people and children by: (1) retaining on the air the finer type of program; (2) removing objectionable features; (3) improving advertising content of broadcasts; (4) encouraging the production and presentation of more fine programs, worthwhile from the educational, cultural and entertainment viewpoint. Also publish "Radio Review."

# Non-Commercial Educational Outlets

As Listed By The Federal Communications Commission, Dec. 31, 1945

<i>Licensee and Location</i>	<i>Call Letters</i>	<i>Frequency (Mc)</i>	<i>Power Emission</i>
Board of Education, City of Buffalo, Buffalo, N. Y.....	WCAH	42.9	1 kw Special (C. P. only)
Board of Education, City of Chicago, Chicago, Ill. ....	WBEZ	42.5	1 kw Special
Board of Education, City of New York, Brooklyn, N. Y.....	WNYE	42.1	1 kw Special
The Board of Education of Newark in the County of Essex Newark, N. J.....	WBGO	To be as- signed by Commission pursuant to proceedings in Docket No. 6651	1 kw Special for FM (C. P. only)
Board of Education of the San Francisco Unified School District, San Francisco, Calif.....	KALW	42.1	1 kw Special for FM (C. P. only)
Cleveland City Board of Education, (Charles H. Lake, Superintendent) Cleveland, Ohio .....	WBOE	42.5	1 kw Special
The Regents of University of Michigan, Ann Arbor, Mich.....	WATX	42.1	50 kw Special
T-Dexter Twp., near Dexter, Mich. School District of Kansas City, Mo. Kansas City, Mo.....	KICR	To be as- signed by Chief En- gineer	1 kw Special (C. P. only)
The State University of Iowa Iowa City, Iowa.....	KSUI	42.7	1 kw Special for FM (C. P. only)
University of Illinois, Urbana, Ill. ....	WIUC	42.9	250 w Special
University of Kentucky, Lexington, Ky. ....	WBKY	42.9	500 w Special
University of Southern California, Los Angeles, Calif.....	KUSC	42.9	1 kw Special (C. P. only)



# FCC Regulations Non-Profit Stations

*Rule In Effect For Non-Profit Educational Outlets*

The term "non-commercial educational broadcast station" means a station licensed to an organized non-profit educational agency for the advancement of its educational work and for the transmission of educational and entertainment programs to the general public.

## Operation and Service

The operation of, and the service furnished by, non-commercial educational broadcast stations shall be governed by the following regulations:

(a) A non-commercial educational broadcast station will be licensed only to an organized non-profit educational agency and upon a showing that the station will be used for the advancement of the agency's educational program particularly with regard to use in an educational system consisting of several units.

(b) Each station may transmit programs directed to specific schools in the system for use in connection with the regular courses as well as routine and administrative material pertaining to the school system and may transmit educational and entertainment programs to the general public.

(c) Each station shall furnish a non-profit and non-commercial broadcast service. No sponsored or commercial program shall be transmitted nor shall commercial announcements of any character be made. A station shall not transmit the programs of other classes of broadcast stations unless all commercial announcements and commercial references in the continuity are eliminated.

## Power Requirements

The operating power of non-commercial educational broadcast stations shall be not less than 100 watts or greater than 1000 watts unless a definite need for greater power is shown.

The transmitter of each non-commercial educational broadcast station shall be equipped with automatic frequency control apparatus so designed and constructed that it is capable of maintaining the operating frequency within plus or minus 0.01 percent of the assigned frequency.

Non-commercial educational broadcast stations are not required to operate on any definite schedule or minimum hours.

The transmitting equipment, installation, and operation as well as the location of the transmitter shall be in conformity with the requirements of good engineering practice as released from time to time by the Commission.

## Frequencies Allotted

The following frequencies are allotted for assignment to non-commercial educational broadcast stations:

42,100 kc.	42,300 kc.
42,500	42,700
42,900	

Stations serving the same area will not be assigned adjacent frequencies.

Frequency modulation shall be employed exclusively unless it is shown that there is a special need for the use of amplitude modulation.

Only one frequency will be assigned to a station.

# BRITISH GUIANA RADIO STATION ZFY

For reaching the British West Indian population, short-wave station ZFY located in Georgetown, British Guiana, is a "MUST." Owned and operated by THE BRITISH GUIANA UNITED BROADCASTING COMPANY . . . this station . . . THE VOICE OF GUIANA . . . is the only English-speaking station working a commercial schedule in the Caribbean area.

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◆

## HAITI

At the crossroads of the Americas is Haiti's most powerful radio station . . .

HHGM	HHBM	HHCM
1473 kc	9660 kc	6165 kc
1000 watts	2000 watts	1000 watts

located in the capital city of Port-au-Prince under the ownership and operation of MAGLOIRE BROADCASTING CIRCUIT. These three outlets transmitting simultaneously on long and short wave, give not only excellent local, but international coverage as well.

◆

For further information in connection with the above markets, please consult . . .

## PAN-AMERICAN BROADCASTING COMPANY

330 Madison Avenue

New York, N. Y.

Murray Hill 2-0811-0810

# INTERNATIONAL

*International Broadcast Stations  
Of The United States*

•

*CBS and NBC Latin-American Networks*

•

*Mexico*

•

*South America*

•

*Central America*

# LINKING THE

# Americas

*with music...  
... and words*

A network of 113 radio stations all over Latin America! Thousands of artists, composers, writers and technicians are cooperating to build up the structure for a new world. This great task is fostering a single continental economy opening unlimited new horizons to commerce and industry and offering opportunities for future commercial interchange... new markets! A new world for radio advertising!

LATIN AMERICA'S MOST  
IMPORTANT RADIO  
ORGANIZATION

## RADIO PROGRAMAS DE MEXICO

*Largest Latin American Broadcasting System*

P.O. Box 1324 MEXICO, D.F. - EMILIO AZCARRAGA, Pres. CLEMENTE SERNA MARTINEZ, V.Pres. Gen. Mgr.



# INTERNATIONAL BROADCAST STATIONS IN THE UNITED STATES

<i>Licensee and Location</i>	<i>Call Letters</i>	<i>Frequency (Kc)</i>	<i>Power</i>
The Associated Broadcasters, Inc. San Francisco, Calif.....	KWID	6060, 7230, 9570, 11870, 15290, 17760, 21610	100 kw
The Associated Broadcasters, Inc. San Francisco, Calif.....	KWIX	6060, 7230, 9570, 11870, 15290, 17760, 21610	50 kw
Columbia Broadcasting System, Inc. Brentwood, L. I.....	WCBX	6060, 6120, 6170, 9650, 11830, 15270, 17830, 21520, 21570, S.A. 9490, S.A. 9590, SSA 11145 and 9750	50 kw
Columbia Broadcasting System, Inc. Brentwood, L. I.....	WCRC	6060, 6120, 6170, 9650, 11830, 15270, 17830, 21520, 21570, S.A. 9490, S.A. 9590, SSA 11145 and 9750	50 kw
Columbia Broadcasting System, Inc. Brentwood, L. I.....		6060, 6120, 6170, 9650, 11830, 15270, 17830, 21520, 21570, S.A. 15267 in lieu of 15,270, S.A. 9490, S.A. 9590, SSA 11145 and 9750	10 kw
Columbia Broadcasting System, Inc. Brentwood, L. I.....	WCBN	6120, 6170, 9650, 11830, 15270, 17830, 21520, 21570	50 kw
Columbia Broadcasting System, Inc. Wayne, N. J.....	WOOC	6120, 6170, 9650, 11830, 15270, 17830, 21520, 21570	50 kw
Columbia Broadcasting System, Inc. Wayne, N. J.....	WOOW	6120, 6170, 9650, 11830, 15270, 17830, 21520, 21570 6170, 7575, 9750, 11145,	50 kw 50 kw
Columbia Broadcasting System, Inc. Delano, Calif.....	KCBR	Freq. To Be Determined	200 kw
Columbia Broadcasting System, Inc. Delano, Calif.....	KCBA	Freq. To Be Determined	50 kw
Columbia Broadcasting System, Inc. Delano, Calif.....	KCBF	Freq. To Be Determined	
The Crosley Corp. Mason, Ohio.....	WLWO	6080, 9590, 11710, 15250, 17800, 21650 SSA 9795	75 kw
The Crosley Corp. Mason, Ohio.....	WLWK	6080, 9590, 11710, 15250, 17800, 21650,	50 kw
The Crosley Corp. Mason, Ohio.....	WLWL	6080, 9590, 11710, 15250, 17800, 21650	200 kw
The Crosley Corp. Mason, Ohio.....	WLWS	6080, 9590, 11710, 15250, 17800, 21650	200 kw CP only
The Crosley Corp. Mason, Ohio.....	WLWR	6080, 9590, 11710, 15250, 17800, 21650	200 kw
General Electric Company South Schenectady, N. Y.....	WGEA	6190, 7000, 9530, 9550, 11847.5, 15330, 21500, 21,590, SSA 17,880, SA 9530	50 kw

# LA PRIMERA CADENA ECUATORIANA DE RADIODIFUSION . . .

*consisting of:*

La Voz de Imbabura of Ibarra  
Radio Comercial of Quito  
Emisoras Splendid of Quito  
Radio Ambato of Ambato  
La Voz de Tomebamba of Cuenca

Through its powerful long and short  
wave outlets you receive complete  
coverage of the Ecuadorean market.

---

## CUBA RADIOEMISORA CMKS

*Operating on 900 kc.*

## GUANTANAMO, CUBA



*Administrative-Director*

## CANDIDO SUAREZ SAVON

# "MUST" for EL SALVADOR RADIODIFUSORA YSO

LA VOZ DE LA DEMOCRACIA

Located in San Salvador  
Long Wave  
1,500 watts  
Short Wave  
1,000 watts

---

## QUALITY IN MEDELLIN

*Discriminating advertisers use*

**LA VOZ DE  
ANTIOQUIA for**  
guaranteed results.

**RADIO STATIONS  
HJDE-HJDK**

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*For further information in connection with the above markets, please consult . . .*

**PAN-AMERICAN BROADCASTING COMPANY**  
330 Madison Avenue New York, N. Y.

MUrray Hill 2-0811-0810

**INTERNATIONAL BROADCAST STATIONS IN THE U. S.**

General Electric Company South Schenectady, N. Y.....	WGEO	6190, 7000, 9530, 9650, 11847.5, 15330, SSA 9550 and 17880	100 kw
General Electric Company near Belmont, Calif.....	KGEI	6190, 7250, 9530, 9550, 11730, 15210, 15330, SSA 11790, 15130 and 17880	50 kw
General Electric Company Schenectady, N. Y.....	WGEX	Freq. To Be Assigned	25 kw
National Broadcasting Co., Inc. Bound Brook, N. J.....	WRC.A	6100, 9670, 11890, 15150, 15190, 17780, 21630, SSA 11870 Kc and SA 11893 (50 to 100 kw on 9670)	50 kw
National Broadcasting Co., Inc. Bound Brook, N. J.....	WNBI	Same as WRCA	Same as WRCA
National Broadcasting Co., Inc. Bound Brook, N. J.....	WNRA	6100, 9670, 11890, 15150, 15090, 21630	50 kw
National Broadcasting Co., Inc. Bound Brook, N. J.....	WNRE	Same as above	50 kw
National Broadcasting Co., Inc. Bound Brook, N. J.....	WNRI	Same as above	50 kw
National Broadcasting Co., Inc. Bound Brook, N. J.....	WNRX	Same as above	50 kw
National Broadcasting Co., Inc. Dixon, Calif. ....	KNBC	Freq. To Be Assigned	50 kw
National Broadcasting Co., Inc. Dixon, Calif. ....	KNBI	Same as above	50 kw
National Broadcasting Co., Inc. Dixon, Calif. ....	KNBX	Same as above	50 kw
National Broadcasting Co., Inc. Dixon, Calif. ....	KNBA	Same as above	50 kw
Westinghouse Radio Stations, Inc. Hull, Mass. ....	WBOS	6140, 9570, 11870, 15210, 17780, 21540, SSO 7250, 78525	50 kw
World Wide Broadcasting Corp. Scituate, Mass. ....	WRUL	6040, 11730, 11790, 15130, 15350, 17750, 21460, 592, 7805	50 kw
World Wide Broadcasting Corp. Scituate, Mass. ....	WRUS	6040, 9700, 11730, 15350, 17750, 2146, SSA 6140 7575, 8590, 9750, 11145, 11790, 15130	50 kw
World Wide Broadcasting Corp. Scituate, Mass. ....	WRUW	11730, 15130, 25600, 11790, 15350, 17750, 9700, SSA 6040, 7805	20 kw
World Wide Broadcasting Corp. Scituate, Mass. ....	WRUA	6040, 9700, 11730, 15350, 17750, 21460	50 kw
World Wide Broadcasting Corp. Scituate, Mass. ....	WRUX	SSA 7575, 7805, 5290	7 kw
General Electric Co. Belmont, Calif.....	KGEX	Freq. To Be Assigned	100 kw

# **La Cadena De Las Americas** (The Network of the Americas) of **THE COLUMBIA BROADCASTING SYSTEM**

## — PERSONNEL —

Director of Latin American Affairs and Shortwave Broadcasting.....	Edmund Chester
Assistant Director of Shortwave Broadcasting.....	John Hundley
Director of Shortwave News Division.....	Lawrence Haas
Music Director and Arranger.....	Terig Tucci
Assistant Director of Latin American Relations.....	Roberto Unanue
Manager of Press Information for Latin American Network.....	Margaret Kennedy
Assistant in Charge of Public Relations for Latin America.....	Carlos Garcia Palacios

## ARGENTINA

Call Letters	Station Name and/or Owner	Location	Frequency Kilocycles	Power Watts
LR3.....	Radio Belgrano .....	Buenos Aires .....	950 .....	50000
LRY.....	Radio Belgrano .....	Buenos Aires .....	9460 .....	50000
LRY1.....	.....	.....	6090 .....	50000
—Radio Belgrano Network—				
LU2.....	Radio Bahia Blanca .....	Bahia Blanca .....	900 .....	5000
LV2.....	Radio Central .....	Cordoba .....	960 .....	5000
LT7.....	Radio Corrientes .....	Corrientes .....	1340 .....	10000
LT8.....	Radio Rosario .....	Rosario .....	840 .....	3000
LV1.....	Radio Colon .....	San Juan .....	560 .....	10000
LV4.....	Radio San Rafael .....	Mendoza .....	690 .....	5000
LV11.....	Radio del Norte .....	Santiago del Estero..	1170 .....	500
LT14.....	Radio General Urquiza .....	Parana .....	.....	.....
LT15.....	Radio Concordia .....	Concordia .....	.....	.....
LV12.....	Radio Aconquija .....	Tucuman .....	580 .....	15000
LV14.....	Radio La Rioja .....	La Rioja .....	1330 .....	5000
LV10.....	Radio Cuyo .....	Mendoza .....	1210 .....	10000
LV13.....	Radio San Luis .....	San Luis .....	1250 .....	5000
ZP5.....	Radio Encarnacion .....	Encarnacion, Para- guay .....	920 .....	5000
ZPA5.....	Radio Encarnacion .....	Encarnacion, Para- guay .....	950 .....	3000
CXA8.....	Radio Real de San Carlos .....	Colonia, Uruguay ..	9620 .....	20000
CXA14.....	Radio Real de San Carlos .....	Colonia, Uruguay ..	11820 .....	1000
LRR.....	Radio Ovidio Lagos .....	Rosario .....	11887 .....	10000
LRRI.....	Radio Ovidio Lagos .....	Rosario .....	.....	.....

## BOLIVIA

CP4.....	Radio Illimani .....	La Paz .....	1020 .....	250
CP5.....	Radio Illimani .....	La Paz .....	6200 .....	250

## CHILE

CB57.....	Radio Sociedad Nacional de Agricultura.	Santiago de Chile....	570 .....	6000
CB1180.....	Radio Sociedad Nacional de Agricultura.	Santiago de Chile....	11800 .....	1000
CB90.....	Radio Sociedad Nacional de Agricultura.	Valparaiso .....	900 .....	1000



## COLOMBIA

Call Letters	Station Name and/or Owner	Location	Frequency Kilocycles	Power Watts
HJAG.....	Emisora Atlantico .....	Barranquilla .....	1050,	
			4905	1000
HJAH.....	Emisora Atlantico .....	Barranquilla .....	1080	1000
HJCS.....	Radio Continental .....	Bogota .....	920	5000
HJEB.....	La Voz del Valle .....	Cali .....	1150	1000
HJED.....	La Voz del Valle .....	Cali .....	4825	1000
HJFB.....	Radio Manizales .....	Manizales .....	6105	6000
HJFD.....	Radio Manizales .....	Manizales .....	1390	1000
HJDT.....	Radio Nutibara .....	Medellin .....	1150	500
HJFF.....	Ondas del Otun .....	Pereira .....	1350	1000
HJFK.....	La Voz Amiga .....	Pereira .....	6097	2500
HJBJ.....	La Voz de Santa Marta .....	Santa Marta .....	1370	1200

## COSTA RICA

TIPG.....	La Voz de la Victor .....	San Jose .....	625	5000
TIPG.....	La Voz de la Victor .....	San Jose .....	9615	2500

## CUBA

CMJN.....	RHC Cadena Azul .....	Camaguey .....	740	1000
CMCY.....	RHC Cadena Azul .....	Havana .....	590	15000
COCY.....	RHC Cadena Azul .....	Havana .....	11470	1000
CMKY.....	RHC Cadena Azul .....	Holguin .....	600	1000
CMAN.....	RHC Cadena Azul .....	Pinar del Rio.....	1300	1000
CMHI.....	RHC Cadena Azul .....	Santa Clara .....	570	15000
COHI.....	RHC Cadena Azul .....	Santa Clara .....	6450	5000
CMKN.....	RHC Cadena Azul .....	Santiago de Cuba....	930	1000

## DOMINICAN REPUBLIC

HIIZ.....	Broadcasting Nacional .....	Ciudad Trujillo .....	6312	500
HIZ.....	Broadcasting Nacional .....	Ciudad Trujillo .....	1350	250

## ECUADOR

HC2AJ.....	Compania del Ecuador.....	Guayaquil .....	1050	1000
HC2AK.....	Compania del Ecuador.....	Guayaquil .....	9310	1000
HCQR.....	Radio Quito .....	Quito .....	1340	250
HCQRX.....	Radio Quito .....	Quito .....	5970	250
HCBS.....	Radio Bolivar .....	Quito .....	9355	250
HCBT.....	La Voz de la Libertad .....	Quito .....	1304	250

## EL SALVADOR

YSP.....	La Voz de Cuscatlan .....	San Salvador .....	760	250
YSP1.....	La Voz de Cuscatlan .....	San Salvador .....	780	115
YSPA.....	La Voz de Cuscatlan .....	San Salvador .....	9575	
YSPB.....	La Voz de Cuscatlan .....	San Sanvador .....	6150	350

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## GUATEMALA

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Call Letters	Station Name and/or Owner	Location	Frequency Kilocycles	Power Watts
TGW.....	La Voz de Guatemala .....	Guatemala City .....	610	10000
TGWA.....	La Voz de Guatemala .....	Guatemala City .....	9685	10000
			15170	—
TGWB.....	La Voz de Guatemala .....	Guatemala City .....	6460	1000
TGWC.....	La Voz de Guatemala .....	Guatemala City .....	1520	1000

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## HAITI

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HHW.....	Station de Radiodifusion .....	Port-au-Prince .....	1230	150
HH3W.....	Station de Radiodifusion .....	Port-au-Prince .....	9890	250

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## HONDURAS

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HRN.....	La Voz de Honduras .....	Tegucigalpa .....	5875	750
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## MEXICO

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XEQ.....	Radio Pan Americana, S.A. ....	Mexico City .....	940	50000
XEQQ.....	Radio Pan Americana, S.A. ....	Mexico City .....	9680	1000
XEA.....	.....	Campeche, Cam. ....	1370	1000
XEBU.....	.....	Chihuahua, Chih. ....	1260	500
XEBL.....	La Voz del Noroeste.....	Culiacan, Sin. ....	1260	500
XEHL.....	.....	Guadalajara, Jal. ....	1370	500
XEHQ.....	.....	Hermosillo, Son. ....	590	300
XEDS.....	.....	Mazatlan, Sin. ....	1420	500
XEFC.....	La Voz de Yucatan .....	Merida, Yuc. ....	1340	250
XEMR.....	Enrique Serna Martinez .....	Monterrey, N.L. ....	1370	500
XELQ.....	Radio Comercial .....	Morelia, Mich. ....	1270	250
XEAX.....	Alvaro Rodriguez A. ....	Oaxaca, Oax. ....	1270	500
XEHR.....	Manuel R. Canalo .....	Puebla, Pue. ....	1090	250
XEBM.....	.....	San Luis Potosi ....	1260	150
XETU.....	Juan Perez Cardonas .....	Tampico, Tams. ....	1460	1000
XEDN.....	Alejandro O. Stevenson, Jr. ....	Torreon, Coah. ....	1260	250
XEHV.....	Juan A. Palavicini .....	Veracruz, Ver. ....	1310	1000
XENC.....	.....	Celaya .....	1450	250
XEAG.....	.....	Cordoba .....	1280	250
XEJT.....	.....	Guanajuato .....	570	250
XEWE.....	.....	Irapuato .....	1420	100
XEFM.....	.....	Leon .....	1270	100
XEPP.....	.....	Orizaba .....	1450	150
XEDE.....	.....	Saltillo .....	1400	150

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## NICARAGUA

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YNOW.....	La Voz de la America Central .....	Managua .....	6850	800
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## PANAMA

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HOC.....	Cadena Panamena de Radio Difusion ....	Panama City .....	1440	1000
HP5A.....	Cadena Panamena de Radio Difusion ....	Panama City .....	11700	1000

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**PARAGUAY**

<i>Call Letters</i>	<i>Station Name and/or Owner</i>	<i>Location</i>	<i>Frequency Kilocycles</i>	<i>Power Watts</i>
ZP3.....	Radio Teleco .....	Asuncion .....	700	12000
ZPA3.....	Radio Teleco .....	Asuncion .....	11850	1200

**PERU**

OAX6C.....	Radio Continental .....	Arequipa .....	1370	300
OAX6D.....	Radio Continental .....	Arequipa .....	9500	250
OAX6E.....	Radio Continental .....	Arequipa .....	6235	300
OAX4A.....	Radio Nacional del Peru .....	Lima .....	854	10000
OAX4Z.....	Radio Nacional del Peru .....	Lima .....	6082	14000
OAX4U.....	Radio America .....	Lima .....	1030	1000
OAX4V.....	Radio America .....	Lima .....	5940	500
OAX4W.....	Radio America .....	Lima .....	9440	500

**PUERTO RICO**

WKAQ.....	.....	San Juan .....	620	5000
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**URUGUAY**

CX16.....	Radio Carve .....	Montevideo .....	850	50000
CX24.....	La Voz del Aire .....	Montevideo .....	1010	5000
CXA8.....	Short Wave .....	Colonia .....	9620	20000
CXA14.....	Short Wave .....	Colonia .....	11820	1000
<i>—Radio Carve Network</i>				
CW1.....	Radio Popular .....	Colonia .....	550	4500
CW31.....	Salta Broadcasting .....	Salta .....	1120	250
CW39.....	La Voz de Paysandu .....	Paysandu .....	1320	100
CW41.....	Broadcasting San Jose .....	San Jose .....	1360	050
CW43B.....	Radio Internacional .....	Rivera .....	1480	750
CW51.....	Radio Maldonado .....	Maldonado .....	1560	500
CW53.....	Radio Cerro Largo .....	Melo .....	1580	250
CX52.....	Radio Litoral Soriano .....	Mercedes .....	1570	500

**VENEZUELA**

YV5RG.....	Ondas Populares .....	Caracas .....	1010	1000
YV5RU.....	Ondas Populares .....	Caracas .....	6070	2232
YV6RA.....	Ecos Del Orinoco .....	Ciudad Bolivar .....	1400	750
YV6RU.....	Ecos Del Orinoco .....	Ciudad Bolivar .....	4790	1000
YV7RA.....	Radio Sucre .....	Cumana .....	1220	400
YV7RB.....	Radio Sucre .....	Cumana .....	3470	750
YVIRA.....	Ecos Del Zulia .....	Maracaibo .....	1300	200
YVIRV.....	Ecos Del Zulia .....	Maracaibo .....	4750	300
YV4RE.....	Radio Valencia .....	Valencia .....	1400	1000
YV4RP.....	Radio Valencia .....	Valencia .....	3460	1000

# La Cadena Panamericana

## (The Pan American Network)

### of the

# NATIONAL BROADCASTING COMPANY

### — PERSONNEL —

Manager of International Division.....	Fred B. Bate
Radio Facilities Engineer.....	Raymond F. Guy
Director, Latin American Programs.....	Eli B. Canel
Chief, Spanish-language Section.....	Alberto N. Gandero
Chief, Portuguese-language Section.....	James I. Christie
Continuity Acceptance.....	F. J. Lara
Production Manager.....	Ary Moll
Assistant Production Manager.....	Alvaro Gonzalez
Musical Director.....	Emilio de Torre
Director of Station Relations.....	Cal J. Abraham
Chief of Traffic Section.....	Charles Mangano

## ARGENTINA

Call Letters	Station Name and/or Owner	Location	Frequency Kilocycles	Power Watts
LR4.....	Radio Splendid	Buenos Aires	990	50000
LRS.....	Radio Splendid	Buenos Aires	9315	10000
LRS1.....	Radio Splendid	Buenos Aires	5985	10000
<i>Radio Splendid Network (Red Argentina de Emisoras Splendid S. A.)</i>				
LW1.....	de la Red Splendid	Cordoba	790	20000
LT2.....	de la Red Splendid	Rosario	1230	20000
LU3.....	de la Red Splendid	Bahia Blanca	1150	10000
LT4.....	de la Red Splendid	Posadas	1010	2000
LV6.....	de la Red Splendid	Mendoza	630	10000
LW7.....	de la Red Splendid	Catamarca	730	2000
LU5.....	de la Red Splendid	Neuquen	1130	2000
LW8.....	de la Red Splendid	Jujuy	1130	2000
LU8.....	de la Red Splendid	Bariloche	1250	1000
LU4.....	Comodoro Rivadavia	C. Vivadavia	640	1500
LU12.....	Rio Gallegos	Rio Gallegos	680	1500

## BOLIVIA

CP20.....	Radio El Condor	La Paz	930	1000
CP15.....	Radio El Condor	La Paz	5880	500
CP18.....	Radio El Condor	Oruro	900	250
CP1.....	Radio Chuquisaca	Sucre	9500	800
CP41.....	Radio Chuquisaca	Sucre	1325	80
CP28.....	Radio Central	Cochabamba	1360	150
CP40.....	Radio Central	Cochabamba	9570	150
CP22.....	Radio Internacional	Potosi	6130	750
CP24.....	Radio Internacional	Potosi	920	250

## CHILE

CB114.....	Corporacion Chilena de Broadcasting	Santiago	1140	50000
CB84.....	Radio Cristobal Colon	Valparaiso	840	3000
CD69.....	Radio La Frontera	Temuco	690	1200
CC117.....	Radio Simon Bolivar	Concepcion	1170	1000
CA108.....	Radio La Serena	La Serena	1080	1500
CA141.....	Radio El Loa	Antofagasta	1410	3000

**NBC LATIN-AMERICAN NETWORK**

**COLOMBIA**

<i>Call Letters</i>	<i>Station Name and/or Owner</i>	<i>Location</i>	<i>Frequency Kilocycles</i>	<i>Power Watts</i>
HJCC.....	La Voz de Bogota	Bogota	870	5000
HJCE.....	La Voz de Bogota	Bogota	1000	1500
HJCF.....	La Voz de Bogota	Bogota	6240	1000
HJCR.....	Radiodifusora Nacional	Bogota	1200	5000
HJCT.....	Radiodifusora Nacional	Bogota	6260	2500
HJAN.....	Emisoras Unidas	Barranquilla	1190	1000
HJAB.....	Emisoras Unidas	Barranquilla	4785	3000
HJDK.....	La Voz de Antioquia	Medellin	1250	500
HJDE.....	La Voz de Antioquia	Medellin	6145	5000
HJGK.....	Radio Santander	Bucaramanga	1280	1000
HJGB.....	Radio Santander	Bucaramanga	4775	2500
HJFE.....	La Voz de Pereira	Pereira	1470	500
HJFA.....	La Voz de Pereira	Pereira	6054.3	1500
HJAF.....	Emisoras Fuentes	Cartagena	1240	1000
HJAE.....	Emisoras Fuentes	Cartagena	4965	1000

**COSTA RICA**

TIPG.....	La Voz de la Victor	San Jose	625	5000
TIPG.....	La Voz de la Victor	San Jose	9615	2500
TNBC.....	La Voz de la Democracia	San Jose	1070	4000

**CUBA**

CMQ.....	Circuito CMQ	Habana	690	25000
COCQ.....	Circuito CMQ	Habana	8825	5000
CMBZ.....	Radio Salas	Habana	830	1000
COBZ.....	Radio Salas	Habana	9030	1000
<i>CMQ Network (Circuito CMQ)</i>				
CMHQ.....	del Circuito CMQ	Santa Clara	670	10000
CMJL.....	del Circuito CMQ	Camaguey	920	10000
CMKJ.....	del Circuito CMQ	Holguin	730	10000
CMKU.....	del Circuito CMQ	Santiago	970	1000
CMAQ.....	del Circuito CMQ	Pinar del Rio	840	1000

**DOMINICAN REPUBLIC**

HI1X.....	Radiodifusora Oficial	Ciudad Trujillo	6350	1000
HI9B.....	Broadcasting "Hotel Mercedes"	Santiago	6383	400

**ECUADOR**

HCJB.....	La Voz de los Andes	Quito	974	1000
HCJB.....	La Voz de los Andes	Quito	4108	200
HCJB.....	La Voz de los Andes	Quito	9958	1000
HCJB.....	La Voz de los Andes	Quito	12455	10000
HC2GI.....	Radio El Telegrafo	Guayaquil	1160	300
HC2ET.....	Radio El Telegrafo	Guayaquil	9200	500

**EL SALVADOR**

YSS.....	Alma Cuscatleca	San Salvador	638	500
HUB.....	Alma Cuscatleca	San Salvador	4780	300
YSD.....	Alma Cuscatleca	San Salvador	7894	500

**GUATEMALA**

TGW.....	La Voz de Guatemala	Guatemala City	640	10000
TGWA.....	La Voz de Guatemala	Guatemala City	15170	10000
TGWB.....	La Voz de Guatemala	Guatemala City	6840	1000
TGWC.....	La Voz de Guatemala	Guatemala City	1520	1000

## HAITI

HHGM.....	Magloire Broadcasting Circuit.....	Port-au-Prince .....	1473	1000
HHBM.....	Magloire Broadcasting Circuit.....	Port-au-Prince .....	9660	1000
HHCM.....	Magloire Broadcasting Circuit.....	Port-au-Prince .....	6165	1000

## HONDURAS

HRN.....	La Voz de Honduras .....	Tegucigalpa .....	5875	500
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## MEXICO

XEW.....	La Voz de la America Latina desde Mexico .....	Mexico City .....	900	100000
XEWW.....	La Voz de la America Latina	Mexico City .....	9500	10000
			15160	10000

### *XEW Network (Radio Programas de Mexico)*

XEKJ.....	Refugio A. de Valdivieso.....	Acapulco, Gro. ....	1400	250
XEBI.....	Pedro C. Rivas .....	Aguascalientes .....	1360	250
XEA.....	Luis A. Maury .....	Campeche, Camp. ....	1370	250
XEFQ.....	Pedro Lopez Diaz .....	Cananea, Son. ....	980	500
XENC.....	El Herald del Bajio .....	Celaya .....	1540	250
XEQZ.....	Ramon Zamora Manjarrez.....	Chetumal .....	1240	250
XEFI.....	David C. Mireles .....	Chihuahua, Chih. ....	1440	1000
XEBA.....	Jose D. Gonzalez .....	Ciudad Guzman .....	1270	250
XEP.....	Esteban Parra .....	Ciudad Juarez .....	1400	500
XETR.....	Antonio Pozo L. ....	Ciudad Valles .....	570	250
XEBJ.....	Fernando Elizalde .....	Ciudad Victoria .....	1450	100
XERL.....	J. Roberto Levy .....	Colima, Col. ....	1280	250
XESA.....	Modesto Roberto Perez .....	Culiacan, Sin. ....	1360	500
XEE.....	Jose Valenzuela .....	Durango, Dgo. ....	1280	250
XEHL.....	Radio Anunciadora Kist.....	Guadalajara, Jal. ....	1370	500
XEDR.....	Modesto Ortega .....	Guaymas .....	1490	100
XEBH.....	Jose Remigio Agraz .....	Hermosillo, Son. ....	920	1000
XEBO.....	Alfonso Martinez .....	Irapuato, Gto. ....	1330	500
XEKL.....	Carlos Ferraez Matos.....	Jalapa, Ver. ....	550	100
XERZ.....	Rafael C. Navarro .....	Leon, Gto. ....	1240	250
XECF.....	Francisco Perez, Jr. ....	Los Mochis, Sin. ....	1410	1000
XEAM.....	Manuel L. Salinas .....	Matamoros, Tamps. ....	1400	250
XERJ.....	Rafael Elizalde .....	Mazatlan, Sin. ....	1320	500
XEME.....	Perfecto Villamil C. ....	Merida, Yuc. ....	1270	500
XECL.....	Armando Maldonado .....	Mexicali, B.C. ....	990	5000
XEDW.....	Angel Lagarda .....	Minatitlan, Ver. ....	1260	250
XEFB.....	Jesus Quintanilla .....	Monterrey, N.L. ....	630	500
XEI.....	Tiburcio Ponce .....	Morelia, Mich. ....	1400	250
XEGL.....	Fausto M. Gomez .....	Navojoa, Son. ....	1270	500
XEHF.....	Gaston Mascarenas .....	Nogales, Son. ....	1370	1000
XEFE.....	R. Tijerina Carranza .....	Nuevo Laredo .....	960	250
XEAX.....	A. Marquez Gonzales .....	Oaxaca, Oax. ....	1270	500
XETQ.....	Francisco Campos H., Sucs.....	Orizaba, Ver. ....	1370	250
XEAT.....	Sucs. Jorge Perez.....	Parral, Chih. ....	1250	250
XEMU.....	Alfonso L. Bres .....	Piedras Negras .....	580	250
XEHR.....	Roberto Canedo .....	Puebla, Pue. ....	1090	250
XEJX.....	Radioemisora Queretana .....	Queretaro, Qro. ....	1450	250
XERT.....	Ignacio Magallon V. ....	Reinosas, Tamps. ....	590	250
XEBX.....	Sucs. Miguel B. Rodriguez.....	Sabinas, Coah. ....	610	250
XEDE.....	Emilio Tamargo .....	Saltillo, Coah. ....	1400	150
XECZ.....	Zeferino Jimenez .....	San Luis Potosi .....	1430	1000
XETU.....	Impulsora Moderna del Radio.....	Tampico .....	1460	1000
XETS.....	Wadelay Dominguez .....	Tapachula .....	630	100
XERK.....	Tomas Mondragon .....	Tepic, Nay. ....	1450	100
XEC.....	Luis Enrique Enciso .....	Tijuana, B.C. ....	1310	250
XECH.....	Rodolfo Llamas .....	Toluca .....	1490	250
XEBP.....	A. O. Stevenson .....	Torreón, Coah. ....	1260	250
XETL.....	Calixto Almazan .....	Tuxpan, Ver. ....	1390	250
XEUF.....	Ignacio Navarro Q. ....	Uruapan, Mich. ....	550	300
XEU.....	Fernando Pasos Sosa .....	Veracruz, Ver. ....	960	500
XEDH.....	Vicente Hernandez .....	Villa Acuna .....	1340	250
XELK.....	Jose M. Acevedo .....	Zacatecas, Zac. ....	1280	100

. . . **NBC LATIN-AMERICAN NETWORK** . . .

**NICARAGUA**

Call Letters	Station Name and/or Owner	Location	Frequency Kilocycles	Power Watts
YNPS.....	La Voz de Nicaragua .....	Managua .....	6760	1000
YNDS.....	La Voz de Nicaragua .....	Managua .....	6240	750

**PANAMA**

HOA.....	Radio Panamericana .....	Panama City .....	1000	400
HP5G.....	Radio Panamericana .....	Panama City .....	11780	600
HOK.....	La Voz de la Victor .....	Colon .....	640	250
HP5K.....	La Voz de la Victor .....	Colon .....	6005	250

**PARAGUAY**

ZP9.....	Radio La Capital .....	Asuncion .....	970	1500
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**PERU**

OAX4A.....	Radio Nacional del Peru .....	Lima .....	854	10000
OAX4Z.....	Radio Nacional del Peru .....	Lima .....	6082	14000
OAX4T.....	Radio Nacional del Peru .....	Lima .....	9652	12000
OAX6A.....	Radio Arequipa .....	Arequipa .....	6042	200
OAX1A.....	Radio Delcar .....	Chiclayo .....	6210	300
OAX1B.....	Radio Piura .....	Piura .....	5230	300
OAX4P.....	Radio Huancayo .....	Huancayo .....	5980	250
OAX7A.....	Radio Cuzco .....	Cuzco .....	6128	250

**PUERTO RICO**

WNEL.....	The Link of the Americas .....	San Juan .....	1320	5000
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**URUGUAY**

CX14.....	Radio El Espectador .....	Montevideo .....	810	15000
CXA19.....	Radio El Espectador .....	Montevideo .....	11835	5000
CX18.....	Radio Libertad .....	Montevideo .....	890	5000
<i>El Espectador Network (La Cadena Uruguaya de Radiodifusión)</i>				
CW1.....	Radio Popular .....	Colonia .....	570	3000
CW19.....	Difusora Rochense .....	Rocha .....	1340	50
CW23.....	Radio Cultural .....	Salto .....	820	500
CW33.....	Radio Florida .....	Florida .....	1200	75
CW35.....	Radio Paysandu .....	Paysandu .....	1240	750
CW43.....	Radio Lavalleja .....	Minas .....	1420	300
CW45.....	Difusora Treinta y tres .....	Treinta y tres.....	1390	250
CW46A.....	Zorrilla de San Martin.....	Tacuarembo .....	1400	1200
CW47A.....	Radio Welcome .....	San Jose .....	1510	100

**VENEZUELA**

YV5RA.....	Radio Caracas .....	Caracas .....	960	10000
YV5RN.....	Radio Caracas .....	Caracas .....	4920	5000
YV1RK.....	Radio Popular .....	Maracaibo .....	1250	300
YV1RL.....	Radio Popular .....	Maracaibo .....	4810	300
YV2RB.....	La Voz del Tachira .....	San Cristobal .....	980	500
YV2RN.....	La Voz del Tachira .....	San Cristobal .....	4830	2000
YV4RA.....	La Voz de Carabobo .....	Valencia .....	1350	1000
YV4RO.....	La Voz de Carabobo .....	Valencia .....	6130	1000
YV1RW.....	Radio Coro .....	Coro .....	1370	200
YV1RY.....	Radio Coro .....	Coro .....	4770	300
YV6RE.....	Emisoras Unidas .....	Barcelona .....	1080	500
YV6RC.....	Emisoras Unidas .....	Barcelona .....	3450	1500
YV2RC.....	La Voz de la Sierra .....	Merida .....	3420	500
YV1RO.....	Radio Trujillo .....	Trujillo .....	3310	800
YV3RE.....	Radio Barquisimeto .....	Barquisimeto .....	1475	1500
YV3RN.....	Radio Barquisimeto .....	Barquisimeto .....	6120	2000

# STATIONS OF MEXICO

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
Acapulco, Gro.	XEKJ	1400	0.25	
Agua Prieta, Son.	XERP	1190	50.	
Aguascalientes	XEBI	1360	0.25	Pedro C. Rivas
Aguascalientes	XELY	1490	0.15	Rafael Leal Camarena
Cajoncita de B. C.	XBQA	9200	0.8	Comision Nacional de Irrigacion
Campeche	XEA	1370	0.25	Luis A. Maruy
Cananea, Son.	XEFQ	980	0.5	Pedro L. Diaz
Cananea, Son.	XESY	1320	0.2	J. Tato Amante
Casas Grandes	XETX	1400	0.1	
Celaya, Guan.	XEJT	1600	0.1	
		1090		
		1190		
Chetumal de Q. R.	XACD	3050	40.05	Cia. Mexicana de Aviacion
Chihuahua	XEFI	1440	1.	Ramiro G. Urganga
Chihuahua	XEBW	1280	0.6	Angel Mara T.
Chihuahua	XEM	1390	0.5	Pedro Menessee, Jr.
Chihuahua	XEBU	1260	0.1	Feliciano Lopez
Chihuahua	XEJK	1340	0.1	
Ciudad Guzman, Jal.	XEGT	1270	.25	Xavier Velasco
Ciudad Guzman, Jal.	XELO	1490	0.1	
Ciudad Juarez	XEBA	800	150.	
Ciudad Juarez	XEJ	970	5.	P. Meneses, Laredo
Ciudad Juarez	XEP	1300	0.5	Esteban Parra
Ciudad Juarez	XEWG	1460	1.	
Ciudad Juarez	XEF	1420	0.25	Gilberto Gil
Ciudad Juarez	XEFV	1270	.25	Dario Cordaba
Ciudad Madero, Tams.	XETR	1490	0.1	Cesar Trijillo Badillo
Ciudad Obregon, Son.	XEAP	1290	0.1	Emilio Manzanilla
Ciudad Valles, San Luis				
Potosi		1340	0.1	
Ciudad Victoria	XEBJ	1450	0.1	Fernando Elizalde
Coatzacoalcos	XEFZ	1340	0.25	Pedro E. Rocher
Colima, Col.	XERL	1280	0.25	J. Roberto Levy
Cordoba de Veracruz.	XECW	1340	0.25	Juan Sedas M.
	XEAG	1280	0.25	Diodoro Zuniga
Cuernavaca, Morelos	XEJC	1420	0.15	
Culiacan, Sin.	XESA	1360	0.25	Pablos Elizalde, S. de R. L.
Culiacan, Sin.	XEBL	1260	0.5	Ignacio L. Said
Culiacan, Sin.	XEGF	1300	0.1	
Durango	XEE	1280	0.25	Alejandro Stevenson, Jr.
Durango	XEDU	1400		
Ensenada, B. C.	XEPF	1400	0.2	
Fresnillo, Zac.	XEMA	1340	0.1	Jose Ma. Acesado Moya
Gomez Palacio, Dur.	XEMG	1310	0.25	
Gomez Palacio, Dur.	XEOB	1490	0.1	
Guadalajara, Jal.	XEJB	1010	5.	Gobierno del Estado de J.
Guadalajara, Jal.	XEDK	1250	0.5	Salvador Vazquez T.
Guadalajara, Jal.	XED	680	1.	Cia. Radiofonografica
	XEDQ		0.1	
Guadalajara, Jal.	XEHL	1370	0.5	



• • •      **STATIONS OF MEXICO**      • • •

<i>Location</i>	<i>Call Letters</i>	<i>Frequency Kcs.</i>	<i>Power Kws.</i>	<i>Owner or Operating Agency</i>
Guadalajara, Jal. ....	XELW	1340	0.25	Salvador Galindo de la Torre
Guadalajara, Jal. ....	XEHK	960	.25	Carmen Vilasenor
Guadalajara, Jal. ....	XEAV	580		Alfredo Vasquez
Guadalajara, Jal. ....	XEAD	1310	0.25	
Guadalajara, Jal. ....	XEXN	1400	0.25	
Guanajuata, Guan. ....		570	0.1	
Guaymas, Son. ....	XEDR	1490	0.1	Modesto Ortega
Hermosillo, Son. ....	XEBH	920	1.	
	XEBR	11820	sw. 0.15	
Hermosillo, Son. ....	XEDL	1250	.5	
Hermosillo, Son. ....	XEHQ	590	0.3	Sr. C. Serna Martinez
Hermosillo, Son. ....	XEOP	960	0.5	
Hermosillo, Son. ....		1300	.25	
Hermosillo, Son. ....	XEQN	1540	5.	
Parral, Chih. ....	XEJS	1150	0.5	
Parral, Chih. ....	XEAT	1250	0.25	
Parral, Chih. ....	XEJR	1490	0.1	Anastasio Gomez Gallardo
Irapuato, Gt. ....	XEBO	1330	0.6	
Irapuato, Gt. ....	XEWE	1420	0.1	
Jalapa de Veracruz.....	XEBF	6090	sw. 0.1	Pedro Caronel Aburto
Jalapa de Veracruz.....	XEKL	550	0.1	
	XEJA	1400	0.25	
La Paz, Baja Calif.....	XEPX	550	0.25	
Leon de Guanajuato.....	XEFM	1270	0.1	Sucs R. Ortiz Gonzalex
Leon de Guanajuato.....	XERZ	1030	0.25	
Linares .....	XETC	1410	.25	
Los Algodones, Baja Calif....		560	0.1	
Los Mochis, Sin.....	XEOX	1280	0.25	Felipe G. de Leon
Magdalena de Sonora.....	XEDJ	1450	0.1	Enrique Sorolegui
Matamoros, Tam. ....	XEO	970	0.75	
Matamoros, Tam. ....	XEXP	1450	0.1	
Matamoros, Tam. ....	XEAM	1400	0.25	Manuel L. Salinas
Los Mochis, Sin.....	XECF	1350	1.0	Francisco Perez H.
Mazatlan, Sin. ....	XERH	1320	0.6	Oscar Perez E.
Mazatlan, Sin. ....	XEDS	1420	0.5	Alexander A. Schober
Merida, Yuc. ....	XEFK	1450	0.1	Manuel Zapata Espinosa
Merida, Yuc. ....	XEMQ	1240	0.25	
Merida, Yuc. ....	XEMH	1400	0.1	
Mexicali, B. C. ....	XECL	990	5.	Alfonso Lacarra
Mexicali, B. C. ....	XEAO	910	0.25	Chavez y Castro, Soc.
Mexicali, B. C. ....	XEAA	1340	0.25	Alberto Gonzales
Mexico City, D. F. ....	XEUZ	6119	sw 0.1	Partido Nac. Revolucionario
Mexico City, D. F. ....	XEXA	6175	sw. 0.1	Depto. de Publicidad y Propaganda
Mexico City, D. F. ....	XEBT	6000	sw. 0.5	El Buen Toro S. A.
Mexico City, D. F. ....	XEDP	940	50.	
Mexico City, D. F. ....	XEOY	1000	10.	Ignacia Diaz R.
Mexico City, D. F. ....	XEST	1060	50.	
Mexico City, D. F. ....	XEQW	1030	1.	
Mexico City, D. F. ....	XEQK	1350	1.	Angel Ferreiro
Mexico City, D. F. ....	XEDA	1290	1.	Augusto Garcia Diaz
Mexico City, D. F. ....	XEMC	1590	5.	Dolores G. Estrada de F.
Mexico City, D. F. ....	XENK	620	5.	
Mexico City, D. F. ....	XEPH	590	5.	
Mexico City, D. F. ....	XESM	1470	5.-D	Salvador San Martin
Mexico City, D. F. ....	XEL		1.-N	
		1260	0.75	Financiera de Inversiones S. A.
Mexico City, D. F. ....	XEBS	1410	0.75	Maria Remedios Delgado

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
Mexico City, D. F.	XEMX	1380	0.5	Alfonson Traslos
Mexico City, D. F.	XEOF			Leros Avolos
		560	1.	
Mexico City, D. F.	XEW	890	100.0	
	XEWX	9500 sw.	10.	
Mexico City, D. F.	XEQ	730	150.	Radio Panamericana
	XEQQ	9680 sw.	5.	
Mexico City, D. F.	XEB	1220	100.	
	XEET	6000 sw.	1.	
Mexico City, D. F.	XEBZ	660	0.5	
Mexico City, D. F.	XELA	830	1.	
Mexico City, D. F.	XEFO	1110	20.	
Mexico City, D. F.	XEN	690	5.	
Mexico City, D. F.	XEUN	860	5.	
Mexico City, D. F.	XEML	1550	1.	
Mexico City, D. F.	XERC	790	1.	
Mexico City, D. F.	XELZ	1440	1.	
Mexico City, D. F.	XERH	1500	0.5	
Mexico City, D. F.	XEJP	1150	6.	Antonio Verandez
Mexico City, D. F.	XEAI	1320		
Mexico City, D. F.	XEK	990	0.5	Arturo Martinez
Minatitlan, Ver.	XEDW	1260	.25	Hector Silva Canto
Monterrey, N. L.	XEG	1050	150.	
Monterrey, N. L.	XENT	1140	50.	Cia. Industrial Universal
Monterrey, N. L.	XET	990	5.	Pregonero del Norte
Monterrey, N. L.	XEH	1420	1.	
Monterrey, N. L.	XEFB	630	.5	Jesus Quintanilla
Monterrey, N. L.	XEMR	1370	0.5	Enrique Serna Martinez
Monterrey, N. L.	XEX	1280	0.5	El Heraldo del Comercio
Morelina, Michoacan	XEKW	6030 sw.	0.5	Jose Martinez Ramirez
Morelina, Michoacan	XEKF	6030 sw.	5.	El Nee di Nichosaan desde Morelia
Morelina, Michoacan	XELQ	1270	0.1	
Morelina, Michoacan	XEI	1400	0.25	Carlos Gutierrez
Morelina, Michoacan	XESF	600	0.25	
Navojoa, Son.	XEGL	1270	0.5	Fausto M. Gomez
Navojoa, Son.	XEAJ	1400	0.1	Emilio Manzanilla
Navojoa, Son.		570	0.1	
Nogales, Son.	XEHF	1370	1.	Francisco G. Elias
Nogales, Son.		1010	0.25	
Nuevo Laredo, Tam.	XEFE	960	1.	Rafael T. Caranza
Nuevo Laredo, Tam.	XEDF	790	0.5	
Nuevo Laredo, Tam.	XEBK	1340	0.1	G. Guajardo y M. M. Cortes
Nuevo Laredo, Tam.	XELF	1380	0.25	
Nuevo Laredo, Tam.	XELC	1410	0.25	
Nuevo Laredo, Tam.	XELJ	1260	.25	
	XELH	1460	.1	
Oaxaca	XEAX	1270	.15	Alvaro Rodriguez A.
Orizaba, Vera Cruz	XEOR	580	1.	
Orizaba, Vera Cruz	XEPP	1450	0.25	Hector Sotomayor
Orizaba, Vera Cruz	XETQ	1370	0.25	Francis Campos H.
Piedras Negras, Coah.	XEMU	580	0.25	
Piedras Negras, Coah.	XEMJ	920	0.2	
Progreso, Yuc.	XEOK	1430	0.1	Arturo Pina Perez
Puebla	XEHR	1090	0.25	Manuel R. Canale
Puebla de Puebla	XECC	6185 sw.	0.5	Ricardo Vazquez A.
Puebla de Puebla	XECD	1170	0.35	
Queretaro	XEJX	1450	0.25	
Queretaro		1300	0.1	
Reynosa, Tam.	XEAW	1570 sw.	100.	Cia. International Reynosa
		1010	50.	
	XEKN	1390	0.25	Carlos V. Rodriguez

• • •      **STATIONS OF MEXICO**      • • •

<i>Location</i>	<i>Call Letters</i>	<i>Frequency Kcs.</i>	<i>Power Kws.</i>	<i>Owner or Operating Agency</i>
Reynosa, Tam. ....	XEAZ	590	0.25-N 5.-D	
Rosarito, B. C. ....	XERB	1090	50.	Radiodifusora Internacion
Sabinas, Coah. ....	XEBX	610	.25	Radiodifusora Internacion— Miguel B. Rodriquez
Saltillo, Coah. ....	XESJ	1250	1. -D 0.5-N	
Saltillo, Coah. ....	XEKS	1330	0.1	J. Antonio de la Pena
Saltillo, Coah. ....	XEDE	1400	0.25	Arrelío G. Zaragoza
Saltillo, Coah. ....	XEXU	1490	1.	
		1450	0.1	
San Luis Potosi. ....	XECZ	1370	1.0	Ceferino Z. Jimenez
San Luis Potosi. ....	XEBM	1260	0.15	Benjamin Briones
San Luis Potosi. ....	XEXQ	1400	0.1	
S. Luis Rio Colorado. ....	XEY	1450	0.25	Lucinda Arenaxde de M. M.
Tampico ....	XEFW	810	50.	
Tampico ....	XETU	1460	1.0	
Tampico ....	XECA	980	1.	
Tampico ....	XES	1300	0.25	Difisora Portena S. de R. L.
Tapachula, Chiapas ....	XETS	630	0.1	
Tapachula, Chiapas ....	XETA	1450	0.25	
Tepatitlan, Jal. ....	XETJ	1150	0.1	
Tepic, Nayarit ....	XEXT	980	1.	
Tepic, Nayarit ....	XERK	1450	0.15	Dario Mondragon
Texcoco ....	XEXE	1450	0.1	H. Ayuntamiento
Taxiutlan, Puebla ....	XETZ	1360	0.25	
Tijuana, B. C. ....	XEAV	1470	5.0	Manuel Acuna Varela
Tijuana, B. C. ....	XEMO	860	5.0	Fern. Fes. Ferreira
Tijuana, B. C. ....	XEBG	1010	1.	
		1550 sw.	5.	
Tijuana, B. C. ....	XERS	1190	5.	Cia. R.A.D. de Piedras Negras
Tijuana, B. C. ....	XEAC	690	5.	Jorge Rivera
Tijuana, B. C. ....		1590 sw.	5.0	
Tijuana, B. C. ....	XEGM	950	1.- D 2.5-N	Rita Mayans y Gustavo Falst E.
Tijuana, B. C. ....	XEON	1420	2.	Cia Radio Mexicana
Tijuana, B. C. ....	XERT	1270	0.5-N 5. -D	
Tijuana, B. C. ....	XEC	1310	.25	Luis E. Enciso
Tlaxcala ....	XEXZ	1480	5.	
Tlaxcala ....	XEXE	2410	0.1	Gobierno del Estado
Toluca de Mexico. ....	XEXS	1340	0.1	Instituto Cientifico y Leiter
Toluca de Mexico. ....	XECH	1490	0.25	Rodolfo Llamas
Torreón, Coah. ....	XETB	1350	0.5	Aurelio G. Zaragoza
Torreón, Coah. ....	XEOH	600	1.	
Torreón, Coah. ....	XEJZ	920	0.1	
Torreón, Coah. ....	XEBP	1260	0.25	Alejandro O. Stevenson, Jr.
Torreón, Coah. ....	XEBQ	1450	0.25	Maria Refugio A. De Valdiviesco
Torreón, Coah. ....	XEDN	600	1.	Higinio Gonzalez
Tuxpam, V. C. ....	XETL	1390	0.25	Calixto Almazan
Tuxtla Gutierrez, Chiapas. ....	XEXJ	1280	0.1	Govt. of State of Chiapas
Tuxtla Gutierrez, Chiapas. ....	XFBK	5340		
Urapan, Mich. ....	XEFU	550	0.35	Ignacio Navarro
Vera Cruz ....	XEFT	9550 sw.	0.012	Jose Rodriguez Lopez
Vera Cruz ....	XEUW	6020 sw.	0.02	Fernando Taxos Sosa
Vera Cruz ....	XEHV	1310	1.	Radiodifusora Veracruzana
Vera Cruz ....	XEU	960	0.5	Fernando Pazos y Cia.
Vera Cruz ....	XETF	1250	0.5	Jose Rodriguez Lopez
Vera Cruz ....	XEXF	1490	0.1	

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
Villa Acuna, Coah.....	XEAB	1600 sw.	5.	
Villa Acuna, Coah.....	XEDH	1340	0.25	Vicente Hernandez
Villa Acuna, Coah.....	XEAQ	1430	0.1	
Villahermosa de Tabasco...	XAGB	5250	0.075	Cia. Areonautica del Sur
Villahermosa de Tabasco...	XERE	9515	0.1	Juan T. Trujillo
Zacatecas de Zac.....	XELK	1280	0.1	Jose Macias Gerrero
Zamora, Mich. ....	XESC	1450	0.1	Guillermo Calzada
Zamora, Mich. ....	XEGT	1490	0.25	Juan T. Trujillo

## **Radio Programas de Mexico, S. A.**

*Head Office:* Ayuntamiento 52

*General Offices:* J. M. Marroqui 11

P. O. Box 1324, Mexico City, Mexico

*Phones: Head Office:* L-13-73, 12-72-34

*General Office—*J-29-01, 12-65-44

### **— PERSONNEL —**

President.....	Emilio Azcarraga
Vice-President and General Manager.....	Clemente Serna Martinez
Sales Manager.....	Juan M. Duran y Casahonda
Continuity Department.....	Antonio Eufracio Ontiveros
Engineering Department.....	Carlos Camacho
Accounting Department.....	Horacio Nino Medina
Advertising Department.....	Daniel Esquivel
International Division.....	Homero Rios D.

Key Stations: XEW-XEWW—XEQ-XEQQ—Mexico City

### **AFFILIATED STATIONS IN MEXICO**

#### **XEW-Network**

Call Letters	City	Call Letters	City
XEKJ	Acapulco, Gro.	XEI	Morelia, Mich.
XEBI	Aguascalientes, Ags.	XEFB	Monterrey, N. L.
XEA	Campeche, Camp.	XEGL	Navojoa, Son.
XEFQ	Cananea, Son.	XEHF	Nogales, Son.
XENC	Celaya, Gto.	XEFE	Nuevo Laredo, Tamps.
XEBA	Ciudad Guzman, Jal.	XEAX	Oaxaca, Oax.
XEP	Ciudad Juarez, Chic.	XETQ	Orizaba, Ver.

**RADIO PROGRAMAS DE MEXICO**

<i>Call Letters</i>	<i>City</i>	<i>Call Letters</i>	<i>City</i>
XETR	Ciudad Valles, S. L. P.	XEJR	Parral, Chih.
XEBJ	Ciudad Victoria, Tamps.	XEMU	Piedras Negras, Coah.
XERL	Colima, Col.	XEHR	Puebla, Pue.
XESA	Culiacan, Sin.	XEJX	Queretaro, Qro.
XEFI	Chihuahua, Chih.	XERT	Reynosa, Tamps.
XEE	Durango, Dgo.	XEBX	Sabinas, Coah.
XEHL	Guadalajara, Jal.	XEDE	Saltillo, Coah.
XEBH	Hermosillo, Son.	XECZ	San Luis Potosi, S. L. P.
XEBO	Irapuato, Gto.	XETU	Tampico, Tamps.
XEKL	Jalapa, Ver.	XERK	Tepic, Nay.
XERZ	Leon, Gto.	XEC	Tijuana, B. C.
XECF	Los Mochis, Sin.	XEBP	Torreón, Coah.
XEAM	Matamoros, Tamps.	XETL	Tuxpan, Ver.
XERJ	Mazatlan, Sin.	XEUF	Urugpan, Mich.
XEME	Merida, Yuc.	XEU	Veracruz, Ver.
XECL	Mexicali, B. C.	XELK	Zacatecas, Zac.
XEDW	Minatitlan, Ver.	XEGC	Zamora, Mich.

**XEQ-Network**

<i>Call Letters</i>	<i>City</i>	<i>Call Letters</i>	<i>City</i>
XERO	Aguascalientes, Ags.	XEJA	Jalapa, Ver.
XEOX	Ciudad Obregon, Son.	XEFM	Leon, Gto.
XEAG	Cordoba, Ver.	XER	Linares, N. L.
XEY	Cuernavaca, Mor.	XEDS	Mazatlan, Sin.
XEBL	Culiacan, Sin.	XEFC	Merida, Yuc.
XEBU	Chihuahua, Chih.	XELQ	Morelia, Mich.
XEPF	Ensenada, B. C.	XEMR	Monterrey, N. L.
XEMA	Fresnillo, Zac.	XEMJ	Piedras Negras, Coah.
XELW	Guadalajara, Jal.	XESJ	Saltillo, Coah.
XEJT	Guanajuato, Gto.	XEBM	San Luis Potosi, S. L. P.
XEHQ	Hermosillo, Son.	XETS	Tapachula, Chis.
XEWE	Irapuato, Gto.	XEXT	Tepic, Nay.
XEDN	Torreón, Coah.	XEHV	Veracruz, Ver.
		XEDH	Villa Acuna, Coah.

**AFFILIATED STATIONS IN CENTRAL AND SOUTH AMERICA**

<i>Call Letters</i>	<i>City</i>	<i>Call Letters</i>	<i>City</i>
YSR	San Salvador, El Sal.	OAX4F	Lima, Peru
HRN	Tegucigalpa, Hond.	HJCH	Bogota, Colombia
YNOW	Managua, Nicaragua	HJCS	Bogota, Colombia
TIGPH	San Jose, Costa Rica	HJDA	Medellin, Colombia
HOC	Panama, Panama	HJDQ	Medellin, Colombia
HOK	Colon, Panama	HJAH	Barranquilla, Col.
YV5RA	Caracas, Venezuela	HJAN	Barranquilla, Col.
YV5RG	Caracas, Venezuela	HJEB	Cali, Colombia
YV1RF	Maracaibo, Venezuela	HJER	Cali, Colombia
YV1RK	Maracaibo, Venezuela	CX14	Montevideo, Uruguay
HCQR	Quito, Ecuador	CX18	Montevideo, Uruguay
HC2AJ	Guayaquil, Ecuador	HIN	Trujillo, Rep. Dominicana

# STATIONS OF CENTRAL AND SOUTH AMERICA

## ARGENTINA

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
Bahia Blanca	LU2	900	5.0	Camilio V. Bertorini
Bahia Blanca	LU3	1150	10.0	
Bahia Blanca	LU7	1240	2.5	Filomena Z de Cennari
Buenos Aires (Banfield)	LS2	1190	15.0	Teodors Prieto
Buenos Aires (Ciudadela)	LS4	670	12.0	Juan G. Gonzales Speroni
Buenos Aires	LRA	750	10.0	Dirrection General de Correos, Telegrafos
	LRA-1	9690	sw.	
	LRA-5	17720	sw.	
Buenos Aires (Florida)	LR2	910	6.0	Alfred Schroeder
Buenos Aires (Florida)	LS10	590	6.0	Victor J. Ruano
Buenos Aires (Florida)	LR9	1030	5.0	Gregorio Echavarria
Buenos Aires (Hurlingham)	LR6	870	25.0	S. A. La Nacion
Buenos Aires (Hurlingham)	LR3	9640	5.0	
	LR3	950	90.0	Jaime Yankelevich
	LR3	950	90.0	Jaime Yankelevich
	LR3	950	90.0	Jaime Yankelevich
	LR3	950	90.0	Jaime Yankelevich
	LR3	950	90.0	Jaime Yankelevich
Buenos Aires (Monte Grande)	LS1	710	50.0	Municipalidad de la Capital
Buenos Aires (Monte Grande)	LR5	830	25.0	Alfred B. Dougall
Buenos Aires (Rivadavia)	LR4	990	50.0	Antonio C. Devoto
	LR5			
	LR5			
Buenos Aires (Rivadavia)	LS5	1110	5.0	Enrique Caride
Buenos Aires (Vicente Lopez)	LS9	1270	6.0	S. A. La Voz Del Aire
Buenos Aires (San Fernando)	LR1	1070	50.0	Empresa Editorial
	LRU*	15290	sw. 7.0	Haynes Ltda., S. A.
	LRX	9660	sw. 7.0	
Catamarca	LW7	730	1.5	Hector Tavella, Rivadavia 751
Catamarca	LV15	1360	0.5	
Chubut	LU4	640	1.5	Cia Broadcasting de la Patagonia
Cordoba	LV3	620	15.0	Alberto P. Brouard (Station suppressed by Argentine Gov't.)
Cordoba	LV2	960	5.0	Luis Maunier
Cordoba	LV8	1330	1.0	
Cordoba	LW1	790	15.0	
Corrientes	LT7	1340	1.0	Gobierno Prov. Corrientes
Jujuy	LW8	1130	1.5	
San Luis	LV13	1250	1.0	
La Plata	LR11	1390	0.5	Universidad Nacional de la Plata
			1.5	
La Plata	LS11	1310	30.0	Gobierno Prov. B.A. Pasaje Dardo Roche

## LATIN-AMERICAN STATIONS

<i>Location</i>	<i>Call Letters</i>	<i>Frequency Kcs.</i>	<i>Power Kws.</i>	<i>Owner or Operating Agency</i>
Mar del Plata	LU6	1300	1.5	Jose Zaccagnini
Mendoza (Cuyo)	LV10	1210	2.5	Marcelino Aparicio
Mendoza (San Rafael)	LV4	690	1.0	Julio Silva
Mendoza	LV6	630	10.0	
Mendoza	LW2			
Necochea	LU9	1440	0.5	
Neuquen	LU5	1130	1.5	
Neuquen	LU11	1370	0.5	
Parana	LT11	1470	0.5	
Posadas	LT4	1010	1.5	
Posadas (Misiones)	LT6	1460	0.5	
Resistencia (Chaco)	LT5	1080	1.5	Jose M. Noveri
Santa Cruz	LU12	680	1.5	Cia. Broadcasting de la Patagonia
Rosario	LT2			
Rosario	LT1	1230	15.0	
Rosario (Santa Fe)	LT1	780	10.0	Fernando Maliandi
Rosario (Santa Fe)	LT3	1160	5.1	Soc. Rural Cerealistas
Rosario (Santa Fe)	LT3	840	3.0	Alfredo B. Dougall
Salta	LV9	970	1.0	Gobierno Prov. Salta
San Juan	LV1	560	5.0	S. A. Graffigna, Ltda.
San Juan	LV5	1090	1.5	Soc. C. Rodriguez Vila y Cia
Santa Fe	LT10	1320	0.5	
Santa Fe	LT9	1200	1.0	Roca Hermanos y Cia.
Santa Fe	LT12	1260	1.0	
Santa Rosa (Pampa Central)	LU8	1250	0.5	
Santiago	LV11	1170	2.0	S. A. El Liberal
Tucuman	LV12	580	5.0	Soc. Reps. Lda. Radio Aconquijsa
Tucuman	LV7			
La Rioja	LV14	820	2.5	Gonzalez Acha y Munoz
Buenos Aires	LS6	1350	6.0	Ricardo A. Bernotti

## BOLIVIA

Cochabamba	CP28	1360	0.150	Gottret y Cia.
	CP40	9570 sw.		
Cochabamba	CP44	580	0.05	Victor Veltze
Cochabamba	CP45	1090	0.05	Raul Montecinos
Cochabamba	CP39	6160 sw.	0.25	
La Paz	CP3	1390	5.00	Costas Hermanos
	CP38	9480 sw.	5.00	
La Paz	CP4	1040	10.00	Dept. of Communications of Bolivian Govt.
	CP5	6200 sw.	1.00	
La Paz	CP8	1450	0.05	Sejas and Co.
La Paz	CP10	1090	0.05	C. Munoz
La Paz	CP12	6150 sw.	0.25	Owned and operated by Catholic priests.
(Colegio San Calixto)	CP29	1350	0.1	
La Paz	CP16	1230	0.02	
Oruro	CP18		0.25	
(Colegio San Calixto)				
Oruro	CP14	1250	0.05	Javier Romero (Sociedad Anonima-Radio La Noche)
Oruro	CP26	1510	0.05	
Oruro	CP31	975	0.05	
Oruro	CP46	770	0.05	
La Paz	CP19	950	.05	Augustin Aspiazu
La Paz	CP20	930	1.0	Romon Pelaez
	CP15 sw.	6120 sw.	.25	
La Paz	CP32	620	.05	Cia. Internacionale de Radio Bolivia (Juan C. Salinas)

<i>Location</i>	<i>Call Letters</i>	<i>Frequency Kcs.</i>	<i>Power Kws.</i>	<i>Owner or Operating Agency</i>
La Paz .....	CP34	680	.15	Buillermo Teran
	CP25	9700 sw.	.25	
Oruro .....	CP36	1420	.05	Enrique Wanting
Oruro .....	CP11	6100 sw.	.25	
Oruro .....	CP37	6170 sw.	.25	
Potosi .....	CP22	6130 sw.	.25	L. Camacho
Potosi .....	CP17	1600 sw.	.05	Alfredo Ossio L.
Santa Cruz .....	CP13	1250	.05	L. Canedo Reyes
	CP30	6135 sw.	.25	
Sucre .....	CP27	1420	.05	C. Torres
Sucre .....	CP41	1325	100.	Jose Comacho B.
Sucre .....	CP1	9500	800.	
Tarija .....	CP23	6190 sw.	175	

## BRAZIL

Aracaju (Sergipe) .....	PRJ6	630	1.	Jose Nunes Rebello
Aracatuba (Sao Paulo) .....	PR18	1460	0.5	Joao Ferraz S. br.
Araguari (Minas Gerais) .....	PRJ3	970	0.25	Dr. Arcino Santos
Araraquara (Sao Paulo) .....	PRD4	1370	0.5	Romulo Lupo
Assis (Sao Paulo) .....	ZYA9	1550	0.1	
Barretos (Sao Paulo) .....	PRJ8	1530	0.1	
			0.25	
Bauru (Sao Paulo) .....	PRG8	1210	0.5	Joao Simonetti
Belem (Para) .....	PRC5	1450	2.	Roberto Camelier
		4865 sw.		
Belo Horizonte (Minas Gerais) .....	PRC7	690	3.	Dr. Alberto Deodato
Belo Horizonte (Minas Gerais) .....	PRH6	1340	3.	Lauro Souza Barros
Belo Horizonte (Minas Gerais) .....	PRI3	880	25.	Luis Bessa
Blumenau (Santa Catarina) .....	PRC4	1330	0.25	Joao Medeiros, Jr.
Botucatu (Sao Paulo) .....	PRF8	1530	0.1	Emilio Pedute
Cambara (Parana) .....	ZYA3	1590	0.1	
Campinas (Sao Paulo) .....	PRC9	1170	1.	Antonio Tepedino Pagino
Campos (Rio de Janeiro) .....	PRF7	1330	0.5	Dr. Marro Ferraz Sampaio
Campo Grande (Mato Grosso) .....	PRI7	1510	0.1	Dr. Antonio A. Campos
Caxambu (Minas Gerais) .....	ZYC2	1550	0.1	
Corumba (Mato Grosso) .....	ZYA2	1470	0.5	Teodomiro Serra
Cruzeiro (Sao Paulo) .....	PRG6	640	0.5	Romoaldo Canevari
Curityba (Parana) .....	PRB2	1440	5.	Epaminondas Santos
Curityba (Parana) .....				
Formiga (Minas Gerais) .....	ZYB6	1530	0.1	
Fortaleza (Ceara) .....	PRE9	1320	2.	Waldemar Cartolano
		6105 sw.		
		15165 sw.		
Franca (Sao Paulo) .....	PRB5	1240	0.25	
Goiania (Goias) .....	ZYJ3			
Itapetininga (Sao Paulo) .....	PRD9	970	0.25	
Itarare (Sao Paulo) .....	ZYA7	1550	0.1	
Jaboticabal (Sao Paulo) .....	PRG4	1250	0.25	Oswaldo Fernandes
Joao Pessoa (Parahyba) .....	PRI4	1110	10.	Dr. Abelardo Juruema
Joinville (Santa Catarina) .....	ZYA5	1600	0.1	
Juiz de Fora (Minas G.) .....	PRB3	1010	0.5	Pedro Goncalves de Oliveira
Jahn (Sao Paulo) .....	PRG7	1010	0.25	Ulisses Newton Ferreira
Limeira (Sao Paulo) .....	PRJ5	1550	0.1	Ary Levy Pereira
Lins (Sao Paulo) .....	ZXB3	1550	0.1	
Manaos (Amazonas) .....	PRF6	4895 sw.	0.1	Dr. V. Pareto Neto
Natal (Rio Grande de Norte) .....	ZYB5	1270	1.	
Nittheroy (R. J.) .....	PRD8	1320	1.	Jose Augusto Mendes
	PRE6	1470	1.	Tte. Custodio Fontes
Paranahyba (Pianu) .....	PRJ4	1470	0.5	Dr. Joao Tavares de Carvalho
Patos (Minas G.) .....	ZYB4	1530	0.1	



**LATIN-AMERICAN STATIONS**

<i>Location</i>	<i>Call Letters</i>	<i>Frequency Kcs.</i>	<i>Power Kws.</i>	<i>Owner or Operating Agency</i>
Pelotas (Rio Grande de Sul)	PRC3	580	0.25	Carlos G. Sica
Petropolis, L. (R. J.)	PRH4	1320	0.5	Atakualpa Dias
Piricicaba (Sao Paulo)	PRD3	1480	1	Carlos Rodrigues Viana
Pocos de Caldas (Minas G.)	PRD6	820	0.25	Joao Sampaio Goes
Ponta Grossa (Parana)	PRH5	1160	0.25	Benedito Meira Borges
Porto Alegre (Rio Grande de Sul)	PRJ2 PRH2	1250 600	.5 25.	Manoel Machuca Dearios Associados
Porto Alegre (Rio Grande de Sul)	PRF9	640	5.	Arthur Pizoli
Porto Alegre (Rio Grande de Sul)	PRC2	680	5.	Dr. Lelis Espartel
Pouso Alegre (Minas Alegras)	PRJ7	1530	0.1	Jose Nunes Rebello
Marilia (Sao Paulo)	PR12	1090	0.5	Oscar de Moraes Barros
Prudente (Sao Paulo)	PR15	970	0.25	Manoel Bussacos
Recife (Pernambuco)	PRA8	720	25.	Oscar Moreira Pinto
		6012 sw.	5.	
Ribeirao Preto (Sao Paulo)	PRA7	730	0.5	Jose da Silva Bueno
Ribeirao Preto (Sao Paulo)	PRH7	1170		Lonzado Bueno
Rio Claro (Sao Paulo)	PRF2	1460	0.25	Waldemar Cartolano
Rio de Janeiro Distrito Fed.	PRA2 PRA3	800 860	25. 10.	Ministerio Educacao Saude Dr. Rolpho Estevan de Siqueira
Rio de Janeiro Distrito Fed.	PRA9	1220	25.	Edmar Machado
Rio de Janeiro Distrito Fed.	PRB7	900	5.	Alceu Mario de Sa Freire
		6200 sw.	25.	
		9610 sw.	25.	
		15370 sw.	25.	
Rio de Janeiro Distrito Fed.	PRC8	1360	5.	Guilherme Manes
Rio de Janeiro Distrito Fed.	PRD2	1060	10.	Mario Villaca Meyer
Rio de Janeiro Distrito Fed.	PRD5	1400	1.	Francisco Gomes-Maciel Pinheiro
Rio de Janeiro Distrito Fed.	PRE2	1430	5.	Dr. Placido de Melo
Rio de Janeiro Distrito Fed.	PRE3	1180	7.5	Dr. Elisio Dantas
Rio de Janeiro Distrito Fed.	PRE8	980	25.	Dr. Gilberto de Andrade
Rio de Janeiro Distrito Fed.	PRF4	940	10.	Ernesto Ferreira Carneiro
Rio de Janeiro Distrito Fed.	PRF5	9500 sw. 9600 sw. 10220 sw. 15190 sw.	12.	Dr. J. V. Pareto Neto
Rio de Janeiro Distrito Fed.	PRG3	1280	10.	Dr. Teofilo de Barros
Rio de Janeiro Distrito Fed.	PRL9 PRL8 PRL7	9505 11720 17850		Brazilian Govt.
Rio de Janeiro Distrito Fed.	PRH8	1130	0.5	Francisco Xavier Filho

<i>Location</i>	<i>Call Letters</i>	<i>Frequency Kcs.</i>	<i>Power Kws.</i>	<i>Owner or Operating Agency</i>
Rio Grande (Rio Grande de Sul) .....	ZYC3	1510	0.1	
Rio Breto (Sao Paulo).....	PRB8	640	0.25	Andrassy Ribeiro
Santos (Sao Paulo).....	PRB4	1450	1.	Hermenegildo da Rocha Brito
Santos (Sao Paulo).....	PRG5	580	0.75	Carlos Baccarat
Sao Carlos (Sao Paulo).....	ZYA6	1590	0.1	
Sao Carlos (Sao Paulo).....	ZYA6	1590	0.1	
San Luiz (Maranhao).....	PRJ9	1490	5.	Jose Ribamar Pinheiro
Sao Manuel (Sao Paulo)....	PR16	1510	0.1	Vitorino Ribeiro
Sao Paulo (Sao Paulo).....	PRB9	1000	25.	Dr. Paulo Machado de Carvalho
Sao Paulo (Sao Paulo).....	PRE7	1410	5.	Dr. Joao Ferreira Fontes
Sao Paulo (Sao Paulo).....	PRF3	960	5.	Dr. Ubiratan Silveira Pamplona
Sao Paulo (Sao Paulo).....	PRG2	1040	25.	Dr. Antonio Herman Dias Menezes
Sao Paulo (Sao Paulo).....	PRG9	1100	25.	Mons. Dr. Francisco Bastos
Sao Paulo (Sao Paulo).....	PRH3	620	5.	Pedro de Camargo
Sao Paulo (Sao Paulo).....	PRH9	840	5.	Jose Niccolini
Sao Paulo (Sao Paulo).....	PRA5	1260	5.	Joao Baptista de Amaral
Sao Paulo (Sao Paulo).....	PRA6	890	10.	Dr. Oswaldo Costa, Director
Sao Paulo (Sao Paulo).....	PRB6	1200	5.	Oscar P. Seckler
Sao Paulo (Sao Paulo).....	PRE4	1300	5.	Olavo C. Fontoura
Sao Paulo (Sao Paulo).....	ZYB7	6095 sw.	25.	
		11765 sw.		
Sao Sebastiao Paraiso (Minas G.) .....	ZYA4	1510	0.1	
Soracaba (Sao Paulo).....	PRD7	1080	0.5	Orlando da Silva Reitas
Taubate (Sao Paulo).....	ZYA8	1590	0.1	
Uberaba (Minas G.).....	PRE5	1390	0.5	Quintiliano Jardim
Ulberlandia (Minas G.).....	PRC6	1510	0.1	Aristides Figueiredo
Varginha (Minas G.).....	ZYB2	1590 sw.	0.1	
Vitoria (Espirito Santo).....	PR19	1350	0.1	Dr. Ciro Vieira da Cunha

## BRITISH GUIANA

Georgetown .....	VP3BG	6130	0.065	British Guiana Broadcasting Co., Ltda.
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## BRITISH HONDURAS

Belize .....	ZIK-2	10600	0.2	Government
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## CHILE

Antofagasta .....	CAI41	1410	1.	Angel Garcia y Cia. Ltda.
Antofagasta .....	CAI27	1270	0.25	Horus Predreny Palma
Chillan .....	CC138	1380	0.15	Adriana Paguey de Logos
Chillan .....	CC127	1270	0.1	Rafael Barrios
Concepcion .....	CC141	1410	0.1	Chilena de Comunicaciones (rented for 1 year to Rafael Arjona N.)
Concepcion .....	CC117	1170	1.0	Federico Sanchez
Concepcion .....	CC64	640	1.	Mario Saez Lagoa
Coquimbo .....	CA96	960	0.3	Cesar Nieme Abey
Curico .....	CC96	960	0.1	Alberto Guerra
Iquique .....	CA63	630	0.25	Antonio Cajiao
La Serena .....	CA108	1080	1.0	Ed. Encina Arancibia
Osorno .....	CD84	840	1.5	Soc. Agricola y Granadera de Osorno

. . .      **LATIN-AMERICAN STATIONS**      . . .

<i>Location</i>	<i>Call Letters</i>	<i>Frequency Kcs.</i>	<i>Power Kus.</i>	<i>Owner or Operating Agency</i>
Puerto Montt .....	CD101	1010	1.	Chilena de Comunicaciones
Puerto Montt .....	CD147	1470	0.1	Ernesto Riedel
Punta Arenas .....	CD103	1030	0.1	Ramon Verde Ramos
(CD103 cancelled—moved without authorization and reported ship movements)				
Punta Arenas .....	CD111	1110	0.1	Emilio Turina
Punta Arenas .....	CD113	1130	1.	Chilena de Comunicaciones
Punta Arenas .....	CD136	1360	0.45	Victoria Iglesias de Biancilla
Quillota .....	CB113	1130	0.1	Leopoldo Cirando G.
Rancagua .....	CC63	630	0.6	Manuel Massoni
Rancagua .....	CC109	1090	0.1	Jorge Romero Ramirez
Rancagua .....	CC145	1450	0.1	Alan Rojas
S. Antonio (Puerto Viejo) ...	CB140	1400	0.1	Soc. Radiodifusora Onda Azul Lda.
Santiago de Chile.....	CB66	620	1.	International Machinery Co.
Santiago de Chile.....	CB57	570	7.5	Soc. Nacional de Agricultura
Santiago de Chile.....	CB76	760	14.	Cia. Chilena de Comunicaciones S. A.
Santiago de Chile.....	CB82	820	1.	Carlos Briceno, owner.
Santiago de Chile.....	CB89	890	1.	Rented for five years to Antonio Zarate Andreu
Santiago de Chile.....	CB97	970	1.	Soc. Chilean de Radiodifusion y Propaganda
Santiago de Chile.....	CB101	1010	1.	Chilena de Comunicaciones
Santiago de Chile.....	CB106	1060	5.	Manuel Casablanca Latorre
Santiago de Chile.....	CB114	1140	50.	Corp. Chilena de Radio
Santiago de Chile.....	CB126	1260	10.	Soc. Chilena Radiodifusora S. A.
Santiago de Chile.....	CD960	9600 sw.	1.	Horacio Hevia Labbe
	CB130	1300	2.0	
Santiago de Chile.....	CB134	1340	2.	German Holtheuer Valdivia
Santiago de Chile.....	CB138	1380	5.	Empresa Periodistica "El Mercurio"
	CB1185	11850 sw.	5.0	
Santiago de Chile.....	CB142	L. W.	1.	Jiles Y Cia.
Santiago de Chile.....	CB144	1440	2.	Clark Hnos.
Santiago de Chile.....	CB144C	1440	0.2	Oscar Moraga Fuenzalida
Santiago de Chile.....	CB150	1500	1.	
Santiago de Chile.....	CB1180	11975 sw.	1.	Soc. Nacional de Agricultura
Santiago de Chile.....	CB1170	11700 sw.	0.3	Otto Becker, Ltda.
Santiago de Chile.....	CB93	930	8.	Orlandini y Raggio Ltda.
	CB1174	11740 sw.		
Talca .....	CC96	960	.25	Alberto Guerra Cruzatt
Talca .....	CC84	840	0.1	Francisco Morales Castillo
Talca .....	CC67	670	0.1	Ramon Abasolo
Temuco .....	CD90	700	1.2	De Mayo Hnos.
Temuco .....	CD69	690	1.2	Daniel De Mayo Levi
Temuco .....	CD125	1250	1.5	Soc. Radio Emisoras Sur de Chile
Tocopilla .....	CA90	900	0.1	Hilda Cuellar
Valdivia .....	CD64	640	1.0	Chilean Communications Co.
	CD59	590	1.0	
Valdivia .....	CD132	1320	1.0	Carlos Cockbaine
Valparaiso .....	CB78	780	6.0	Soc. Coop. Vita.
	CE970	9700 sw.	10.0	
Valparaiso .....	CB90	900	.4	Emp. Periodistica "El Mercurio"
Valparaiso .....	CB103	1030	0.75	Cia. Chilena de Comunicaciones S. A., Radio la Cooperativa Vitalicia Valparaiso, Chile
	CE910	9730 sw.		
	CE615	6150 sw.		
Valparaiso .....	CB116	1160	1.	Patricio Edwards Linares
Valparaiso .....	CB120	1200	1.	Angel I. Prieto Andreas

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
Valparaiso	.....CB124	1240	0.25	Ramon Y Fernando Garcia y Cia.
Valparaiso	.....CB132	1320	1.	Sociedad Wallace y Cia.
Valparaiso (Vina del Mar)	..CB64	640	3.0	Adriano Iz.
Valparaiso (Vina del Mar)	..CB63	680	.5	Renard y Garcia Tello
Valparaiso (Vina del Mar)	..CB111	1110	0.75	Joaquin Venegas

## COLOMBIA

Aguadas	.....HJFJ	1500	.025	Roberto Florez
Armenia	.....HJFI	1540	1.	Bernardo Santacoloma and D. Julio Rondon E.
Armenia	.....HJFH	4875 sw.	.6	Botero Y Cia. (Braulio Botero Londono)
	.....HJFM	1210	0.6	
Barranquilla	.....HJAA	1330	0.5	Alfonso Rosales Navarro
Barranquilla	.....HJAG	4905 sw.	.45	Emisora Atlantic S. A., Angel M. Ruiz, owner
	.....HJAH	1050	.4	
Barranquilla	.....HJAI	1370	0.25	Julian Melendez
Barranquilla	.....HJAK	1310	0.35	Vassallo Hinos y Mendez (Clemente Vassallo Gomez, owner)
Barranquilla	.....HJAB	4785	1.	Eliecer Velasco
	.....HJAN	1190 sw.	1.	
Barranquilla	.....HJAS	1500	0.4	Miguel A. Ruiz
Barranquilla	.....HJAT	1275	.5	Delfina v. de Haayen
Bogota	.....HJCB	1105	.8	Colombia Broadcasting S. A. (Robt. Ramirez, Enrique Ramirez & Jorge Alford)
	.....HJCD	6160	8.0	
Bogota	.....HJCC	870	5.	Gustavo Uribe Th.
	.....HJCE	1220	1.	
	.....HJCF	6073 sw.	0.75	
Bogota	.....HJCG	1060	0.5	Julio Bernal
Bogota	.....HJCI	4895 sw.	0.75	Manuel J. Gaitan
	.....HJCH	810	.5	
Bogota	.....HJ CJ	1380	0.2	Manuel J. Gaitan
Bogota	.....HJCK	1290	0.5	Anez & Tobon Sierra
Bogota	.....HJCN	1335	0.5	Roberto Laignelet
Bogota	.....HJCO	1160	1.	Jesus M. Garcia
	.....HJCW	4945 sw.	.75	
Bogota	.....HJ CQ	4955 sw.	0.15	Ministerio de Economia Nacional
Bogota	.....HJCR	1200	3.0	Colombian Govt.
	.....HJCT	6260 sw.	2.5	
Bogota	.....HJCU	720	5.	Cristobal Paez G. y Cia. Ltd.
	.....HJCA	4855 sw.	1.	
	.....HJCY	1460	.35	
Bogota	.....HJ CX	6018 sw.	0.75	Cipriano Rios Hoyos
	.....HJ CZ	1040	1.0	
Bogota	.....HJCS	920	50.	Cia. Radiodiffusion Colombiana—Jose V. Arias, owner
Bucaramanga	.....HJGE	1130	.5	Gustabo Sorzano Jimenez
Bucaramanga	.....HJGB	4775 sw.	1.5	Francisco A. Bueno
	.....HJGK	1280	0.25	
Buenaventura	.....HJES	1525	0.05	Heriberto Quintero
Buenaventura	.....HJEW	1355	0.22	Jorge E. Berrio
Buga	.....HJ EI	1410	0.1	Bernando Buena Delgado
Buga	.....HJEP	1485	0.5	Sociedad Voces de Occidente —Hernando Azcarate M., owner

. . .      **LATIN-AMERICAN STATIONS**      . . .

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
Cali	HJEB	1150	1.0	Eduardo Cordoba
	HJED	4825 sw.	1.0	
Cali	HJEC	1300	0.3	Rafael Angulo
Cali	HJEE	1090	0.2	Jose T. Calderon N.
Cali	HJEF	1340	0.5	Hernando Bueno Delgado, owner
	HJEL	1260	0.5	
Cali	HJER	1395	0.5	Cesar Mendoza Mazuera
	HJEX	4865 sw.	2.5	
Cali	HJET	1510	.5	Dirreccion de Educacion del V.
Cali	HJEN	1370	0.5	Alfonso Mese Vargas
Cartagena	HJAE	4965 sw.	.48	Laboratories Fuentes, Rafael Fuentes, owner
	HJAF	1240	0.252	
Cartagena	HJAP	4925 sw.	0.5	Lequerica Hermanos
	HJAR	1400	0.3	
Cartago	HJEO	1230	0.5	Saniel Dozman
Ciencga	HJBE	1460	.25	Elvira de Pereira
Cucuta	HJBB	4815 sw.	0.75	Pompilio Sanchez
	HJBC	1270	0.5	
Girardot	HJCL	1460	0.25	Carlos J. Sanchez G.
Girardot	HJCV	1420	0.1	Maria Teresa Ramirez R.
Ibague	HJFC	1500	0.1	Vicente Vaitan Rondon
Ibague	HJFL	1440	0.1	Luis E. Martinez
Ibague	HJFP	1550	.075	Mario Cadavid
Libano (Tolima)	HJFO	1520	.05	Hector Enrique Giraldo
Magangué	HJAC	1420	0.1	Manuel Agustin Varela
Manizales	HJFB	6105 sw.	1.00	Cia. Radio Manizales Alberto Hoyos A., Dir.
	HJFD	1390	0.75	
Manizales	HJFX	600	1.	Antonio Pinzon H.
Medellin	HJDA	1285	0.42	Humberto Restrepo A.
Medellin	HJDC	1360	0.6	Francisco Cuartas
	HJDX	4795	.6	
Medellin	HJDE	6145 sw.	5.	Cia. Colombia de Radiodiffu- sion—Luis Ramos, owner
	HJDK	1250	.5	
Medellin	HJDL	1480	0.5	Jaime Tobon R. (leased to Hernando Gomez)
Medellin	HJDM	1520	0.5	Prospero Aguirre
Medellin	HJDQ	1320	0.75	Cia. Antiquena de Radiodifu- sion (Fernando Restrepo Al- varez, owner)
	HJDP	4885 sw.	.6	
Medellin	HJDR	1380	0.3	Ramirez & Cia. Ltda.
Medellin	HJDT	1150	0.25	Alfonso Jaramillo, Hernando Tellez, Jaime Garcia
Medellin	HJDZ	1490	0.25	Universidad de Antioquia
	HJDU	4805 sw.	.75	
Medellin	HJCB		0.5	Hernando Tellez B.
Monteria	HJAL	1465	0.5	Julio Cesar Patino
Neiva	HJFN	1420	0.1	Helidora Tamayo Teodulo Camacho, G.
	HJFP	1520	.1	
Ocana	HJBF	1525	0.1	Luis Linero
Palmira	HJEJ	1460	0.3	Rafael Angulo
Palmira	HJEQ	1180	0.5	Regulo Benitez
Pamplona	HJBA	1400	0.1	Gonzalo Vargas
Pasto	HJHA	1350	0.35	Sociedad Radio Narino—Sra. Elisa de Pesantes, owner
Pasto	HJHB	1170	0.5	Bernardo Bueno Delgado
Pereira	HJFA	6054 sw.	.75	Cesar and Mario Arango M.
	HJFE	1470	0.499	
	HJFQ	1120	.5	

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
Pereira	HJFK	6097 sw.	2.5	Sociedad "La Voz Amiga"
	HJFF	1350	1.	Antonio Giraldo C. & Son
Popayan	HJEA	1500	.5	Jesus Hernando Hormaza
Popayan	HJEG	1450	0.3	Mercedes M. De Valencia
Quibedo	HJDG	4805 sw.	.5	Intendencia del Choco Cultural
Santa Marta	HJBH	1410	0.5	Manuel C. Conde
Santa Marta	HJBJ	1140	0.5	Julio A. Sanchez
Santander	HJEH	1550	.025	Escuela Rafael Tello
Sevilla	HJET	1510	0.25	Daniel Benitez
Tocaima	HJCP	1530	0.092	Ruperto Aguilera Leon (Catholic station)
Tulda	HJEK	1420	.1	Hernando Bueno Delgado
Tunja	HJGA	1425	.25	Pedro Martinez

## COSTA RICA

Alajuela	TI5JJM	575	.8	Emilio E. Martinez
Cartago	TIMC	735	0.75	J. Mario Cardos
	T14NRH	710	0.75	Amanda Cespedes M.
		9692 sw.	0.75	
Heredia	TIWS	6065 sw.	0.3	Manuel Campos J.
Puntarenas	TIJMP	690	1.0	Jose Maria Pinaud
San Jose	TIGPH	605	6.5	Gonzalo Pinto H.
	TIGPH2	800	3.	Gonzalo Pinto H.
San Jose	TIPG	625	5.0	Perry Girton
		9615 sw.	2.5	
San Jose	TIGH	690	2.	Jose Maria Pinaud
San Jose	TIVP	750	0.5	Narciso Garcia
San Jose	TILJ	775	0.5	Lola Monje M. de Jimene
San Jose	TIEP	6700 sw.	1.	Eduardo Pinto H.
		830	3.	
		1225	3.	
San Jose	TIRS	920	.4	Rogelio Sotela B.
San Jose	TIOS	940	0.5	Rafael Sotela
San Jose	TIRH	970	1.0	Rafael Hine Chavarria
		6150 sw.	0.25	
San Jose	TIFA	1000	0.25	Francisco Arie
San Jose	TISMG	1045	0.5	Guillermo Zniga
San Jose	TINBC	1070	2.0	Perry Girton
San Jose	TIHZ	1150	1.	Heli Zuniga
San Jose	TIRRC	1200	0.5	Carlos Borge
		6180 sw.	0.3	
San Jose	TIBAS	650	2.5	Gonzalo Pinto H.
San Jose	TILS	880	5.	(same as for TIGPH)
		6165 tw.	2.	Luis Saenz Mata
San Jose	TIMACHO	1100	.5	Maximo Chaves Arias

## CUBA

Artemisa	CMAX	660	.25	Juan de Dios Careno y Valdes
Bayamo	CMKX	1090	.25	Oscar Vidal Benitez
Caibarien	CMHD	1560	5.	Manuel Alvarez
			0.2*	*Present authorized power
Camaguey	CMJL	920	10.0	Circuito CMQ
Camaguey	CMJN	740	1.	Cadena Azul, S. A.
Camaguey	CMJK	620	0.25	Jones Castrillon y Cia.
	COJK	8665 sw.	1.0	

• • •      **LATIN-AMERICAN STATIONS**      • • •

<i>Location</i>	<i>Call Letters</i>	<i>Frequency Kcs.</i>	<i>Power Kws.</i>	<i>Owner or Operating Agency</i>
Camaguey	CMJA	1060	0.25	Rafael Valdes
Camaguey	CMJE	1230	0.25	Primo A. Casares
Camaguey	CMJF	1300	0.25	Gertrudis de la Cruz Perez
Camaguey	CMJW	1400	0.25	Andres M. Cisneros
Camaguey	CMJC	1340	0.25	Fernando Terron Bolanos
Cardenas	CMGE	1470	0.25	Geraro Sabater
Cerro	CMCB	1330	0.25	Metropolitan Radio de Cuba S. A.
Cienfuegos	CMHM	1450	0.25	Jose Ramon Remenias, Jr.
Cienfuegos	CMHJ	1350	0.25	Romauldo Ugalde Cordero
Ciego de Avila	CMJH	1370	0.25	Luis Marauri Mendoza
Ciego de Avila	CMJI	1440	0.25	G. Gessa Lopez
Ciego de Avila	CMJM	1270	1.	
Ciego de Avila	CMJO	1470	0.25	Benifacio Ildefonso
Cruces, L. V.	CMHK	1380	0.25	Virgilio Villanueva
Guanabacoa	CMBH	1540	5.0	Vicente Espinosa
Guanabacoa	CMCF	910	3.5	Radio Internacional
Guantanamo, Orte	CMKS	900	0.25	Candido Savon Suarez & Martinoll
Guantanamo	CMKH	1130	0.25	Virgilio Arciero Maffei
Havana	CMCJ**	1580	0.25	Rafael Rodriguez
Havana	CMCR**	1580	0.25	Juan Gonzalez y Seneriz
Havana	CMCA**	1490	0.25	Augusto Testar y J. M. Gonzalez
Havana	CMCG**	1460	0.25	Dr. Miguel Angel Campos
Havana	CMCQ	1420	.25	Andres Martinez
Havana	CMBX**	1390	0.25	Vicente Espinosa
Havana	CMOA**	1360	0.25	Juan Fernandez Duran
Havana	CMC**	1360	0.25	Rafael Valdes
Havana	CMBG**	1390	.25	John L. Stowers
Havana	CMCX- CMCH	1290	.25	Jose Custodio Milagro Rumbaut y Lenza
Havana	CMCW	1230	.25	Jose Vilarino
Havana	COK	11616	1.0	Cuban Natl. Sports Department
Havana	CMCU	1190	.25	Jorge Garcia Serra
Havana	CMZI	7190	0.5	Govt. of Cuba—Ministry of Natl. Defense
Havana	CMBQ	1150	5.	Jose Castro Veiga
Havana	CMBY	1110	.25	Pages y Cia.
Havana	CMCM	1060	.25	Cia. Transradio Columbia
Havana	COCM	9833	1.0	
Havana	CMX	1010	10.	Francisco A. Lavin
Havana	COCX	11650 sw.	1.0	
Havana	CMBZ	950	1.0	Manuel y Guillermo Sales
Havana	COBZ	9030 sw.	.25	
Havana	CMK	830	.25	Fausto Montiel
Havana	CMQ	690	25.0	Circuito CMQ
Havana	CMCY	590	15.	RHC Cadena Azul S. A.
Havana	COCY	11740 sw.		
Havana	CMW	550	2.5	Adolfo Gil y Miguel Troncoso
Havana	COCW	6325	0.1	
Holquin	CMKV	600	1.	
Holquin	CMKF	1490	.25	Manuel J. de Gongora
Holquin	CMKJ	970	1.0	Circuito CMQ
Holquin	CMKO	1220	.25	Manuel Angulo Farran
Jovellanos	CMGN	1310	1.	
Marianao	CMBF	730	1.2	Cia. Radio Universal S. A.
Mariano	CMZ	1260	1.2	Ministry of Education, Govt. of Cuba
	COX	9640		
	CMZI	7190	.3	

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
Matanzas	CMGH	1440	0.6	Garcia Alvarez and heirs
Matanzas	CMGF	1240	0.25	Bernabe R. de la Torre
	COGF	11800 sw.		
Manzanillo	CMKE	1320	0.25	Cia. Radioemisora Manzanillo
Manzanillo	CMKM	560	0.25	Raimundo Comas Doler, Merchan y P. Figueredo
Neuvas	CMJQ	1580	.25	Casper Estevez
Palma Soriano, Orte	CMKZ	1430	.25	Joaquin Venero Obregon
Piner del Rio	CMAB	1450	.25	Francisco Martinez
Piner del Rio	CMAQ	810	1.0	Circuito CMQ
Piner del Rio	CMAN	1300	1.0	RHC
Placetas, L. V.	CMHP	1320	.25	Candido de Los Angeles, Guevara Perdome
Puerto Padre	CMKY	1350	0.1	Pedro Zacca Cheda
Rancho Boyeros	CMCK	980	5.0	Luis y Ernesto
	COCO	8700	2.0	Casas Rodriguez
	COCK			
Rancho Boyeros	CMBC	790	1.0	Domingo Fernandez Cruz
	COBC	9363 sw.	1.0	
Regla	CMCD	630	5.0	La Voz del Aire S. A.
	COCD	6130	1.0	
Sagua La Grande	CMHA	1280	.25	Obelardo Menocal
Sancti Spiritus	CMHB	1310	.25	V. E. Weiss y O. Ramirez Isla
Santa Clara	CMHI	570	15.-D	RHC
	COHI	6455	1.0	
Santa Clara	CMHQ	800	10.0	Circuito CMQ
Santa Clara	CMHW	950	1.	RHC
	CMHN	960	1.	
Santa Clara	CMHO	1250	.25	Enrique Lasanta
Santa Clara	CMHX	1480	.25	Francisco Chavarry Fuster
Santiago de Cuba	CMKN	930	1.	RHC
Santiago de Cuba	CMKU	640	1.0	Circuito CMQ
Santiago de Cuba	CMKW	1000	1.0	Ricardo Miranda, Cortes y Raul Souлары Exchevarria
Santiago de Cuba	CMKC	1250	.25	Roberto Miguel Gonzalez
Santiago de Cuba	CMKR**	1390	.25	Jaime Nadal
Santiago de Cuba	CMKD	1290	1.	Otto Juan Vinas Gimeno
San Luis, Oriente	CMKQ	1460	0.5	Angela Viciado Quintero
Trinidad	CMHT	990	.25	F. E. Soto del Valle
Vedado	CMOX**	1490	.25	Perez y Chisholm
Vedado	CMCO	1230	.25	Enrique Lasanta Oliver
Vedado	CMBD**	1460	.25	Luis Perez Garcia
Vedado	CMBS	1090	.25	Enrique Artalejo Fernandez
Victoria de las Tunas, Oriente	CMKG	1050	.25	Emilio Gran Medina
	COKG	7058	1.2	

\*\* Share time.

## DOMINICAN REPUBLIC

Ciudad Trujillo	HIZ	1350	0.2	Frank Hatton
	HIIZ	6316 sw.	0.1	Frank Hatton
Ciudad Trujillo	HIJ	1190	.075	
Ciudad Trujillo	HI4M	1150	.02	Jorge L. Rodriguez
Ciudad Trujillo	HI7P	1300	.25	J. M. Roques Roman
Ciudad Trujillo	HIN	1090	0.15	Partido Dominicano
	HI1N	6243	0.07	
Ciudad Trujillo	HIX	950	0.25	Dominican Govt.
	HI3X	11960 sw.	0.25	
	HI1X	6340 sw.	0.25	
Ciudad Trujillo	HIG	900	0.05	A. Cordero Puello
		6280 sw.	0.04	
Ciudad Trujillo	HI1G	6120 sw.	0.25	A. Cordero Puello
	HI2G	9140 sw.	0.25	
Ciudad Trujillo	HIL	6175 sw.	.08	J. C. Pellicer



. . . **LATIN-AMERICAN STATIONS** . . .

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
Ciudad Trujillo	HIT	6630 sw.	0.1	F. A. Sanabia
		1050		
Ciudad Trujillo	HI8Q*	1475	.025	Julio Garcia Alardo
Ciudad Trujillo	HI6H*	6115 sw.	0.1	Emilio Garden
Ciudad Trujillo	HI8T*	6122 sw.	.03	Raul Henriquez S.
Ciudad Trujillo	HI2D*	6026 sw.	.15	Accion Catolica Dominicana
		6900 sw.		
		†4500 sw.		

† It is reported that this station is being operated by the Govt. on 4500 kc. as a communications station.

Ciudad Trujillo	HI7P	6800 sw.*		J. M. Roques Roman
Ciudad Trujillo	HI6Y	6660 sw.*	.025	Alfonso Cuervo
Ciudad Trujillo	HI8T	6122 sw.*	.003	Raul Henriquez S.
Monsenor Nouel, La Vega	HI2T	6480	.20	Jose Arismendy Trujillo
Santiago	HI1A	6190 sw	.25	Rafael Western
Santiago	HI3U	6015 sw.	.1	Fernando Bertran
Santiago	HI9B	6383 sw.	.25	Jacinto L. Sanchez
Puerto Plata	HI9T	6170 sw.	.10	Luis A. Pelegrin
	HI9U	1010	.025	
Puerto Plata	HI5P*	6565 sw.	.03	J. M. Modesto
San Cristobal	HI1R	6420	.20	Luis Alberti
San Pedro de Macoris	HIH	1420	.15	Domingo Diminguez
	HI1J	6025	.25	Fausto Donastorg
San Pedro de Macoris	HIH	6025 sw.	.25	Fausto Donastorg
Romana	HI3C	6690 sw.	.15	Antonio Herrero Hernandez

## ECUADOR

Ambato	HC1VT	6550 sw.	0.1	Municipio de Ambato
Cuenca	HC1AO	4200 sw.	.0015	Humberto Espinosa
Cuenca	HC1CC*	7461 sw.	.004	Comunidad Salesiana
Guayaquil	HC2CW*	900 sw.	.0025	Alfonso Silmot
		8400 sw.		
Guayaquil	HC2OAD	9400 sw.	0.2	Odalia Aruz de Garcia
		900	0.1	
Guayaquil	HC2AJ	1050	1.0	Cia. Radiodifusora del Ecuador
Guayaquil	HC2JSB	1250	0.2	Juan S. Beher
		7854 sw.*		
Guayaquil	HC2RB	1250	0.1	Eric Williams
Guayaquil	HC2CM			
Guayaquil	HC2ET	9200 sw.	0.2	Jose Santiago Castillo
	HC2GI	1165	0.1	
Guayaquil	HC2DC			
Guayaquil	HC2AU	1350	0.2	Augusto Alvarado Oica
Guayaquil	HC2RL	6647 sw.	0.2	
Ibarra	HC1IM	4020 sw.	0.3	I. Municipio de Ibarra
Portoviejo	HCJB4	3645 sw.	.008	Clarence W. Jones
Quito	HCJB	974	.7	Clarence W. Jones
		4108 sw.	0.150	
		12455 sw.	7.0	
		9958 sw.	.7	
		28040 sw.	.025	
		7285 sw.	.14	
		27850	1.0	
		14200	1.0	
		7068	1.0	
		957		

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
Quito	HC1PM	5725 sw.	0.15	Leonardo Ponce
Quito	HCQR	1330	0.3	Carlos Mantilla O.
Quito	HCQRX	5970 sw.	0.3	Carlos Mantilla O.
Quito	HCBT	1304	0.25	Cesar Mantilla
	HCBS	9350 sw.	0.25	
Quito	HCK*	5885 sw.	0.3	
Quito	HCIGP	7874 sw.	0.2	Miguel Olugel Gonzales, owner; Padre Elias Brito, Dir.
Quito	HC1AD	1410	.25	Operated by Cia. Anterandina de Broadcasting—Vincente Ordenez Pellares, Enrique Arrengui R.
	HC1AB			
Quito	HC2ROZ			
Quito	HC1BF	7265	.3	Adriano Jaramillo
	HC1BD	1111	.2	
Riobamba	PRADO	6618 sw.	0.5	

## EL SALVADOR

San Salvador	YSR	6520 sw.	0.8	Alberto Cevallos
San Salvador	YSS	990	2.5	
San Salvador	YSS	640	0.5	Direccion General de Com. municaciones, Govt. of El Salvador
	HUB	4795 sw.	0.3	
	YSD	7894	0.5	
	YSM	11710	0.4	
San Salvador	YSP	780	.115	Fernando Alvayeros Sosa
	YSP-1	1560 sw.		
	YSP-A*	760		
	YSP-B	10400 sw.		
San Salvador	YSO	6150 sw.		

\* Reported off the air by FBIS.

## GUATEMALA

Guatemala City	TG1	1310	0.3	Govt.
	TG2	6220 sw.	1.	Department of Communica-
	TG3	2320	.015	tions
Guatemala City	TGW	640	10.0	Guatemala Govt.
	TGWA	15170 sw.	10.	
	TGWB	6480 sw.	1.	
	TGWC	1520 sw.	1.	
Guatemala City	TGX	1415	.05	Miguel Angel Mexicano Novales Govt.
Quezaltenango	TGQ	1450	1.	
	TGQA	6400 sw.	0.2	

## HAITI

Port-au-Prince	HHWB	9550		
Leogane	HHK*	6200	25.	Haitian Govt.
		9620 sw.		
		1820 sw.		
		17850 sw.		
		21670 sw.		
		920		
Port-au-Prince	HH3W	10135 sw.	0.5	Ricardo C. Widmaier, Jr.
	HHW	1230	0.25	
	HH2W*	6135 sw.	.03	
		958		

## LATIN-AMERICAN STATIONS

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
Port-au-Prince .....	HH2S	5945	0.4	
Port-au-Prince .....	HHBM	6167 sw.	0.1	Frank C. Magliore

\* Reported off the air by FBIS.

### HONDURAS

Ceiba .....	HRD2	6235 sw.	0.2	Ing. M. R. Moncada
San Pedro Sula.....	HRP1	6351 sw.	0.15	Filiberto Diaz Zelaya
Tegucigalpa .....	HRN	6875 sw.	.2	Rafael Ferrari

### NICARAGUA

Granada .....	YNFT	7500 sw.	0.1	Jose F. Tercero Z.
Granada .....	YNLAT	7625 sw.	0.1	Leonidas A. Tenorio
Granada .....	YNWW			
Leon .....	YNJAT	5758 sw.	0.6	Jose Agustin Tijerino
Leon .....	YNDG	6850 sw.	0.8	Dionisio E. Gallo
Managua .....	YNLG	1530		
Managua .....	YNDS	6610 sw.*	1.	
Managua .....	YNPS	8590 sw.*	0.8	
Managua .....	YNOW	1230*		
Boaco .....	YNBO	6760 sw.	1.0	La Voz de Nicaragua (Govt.)
Managua .....	YNCQ	6850 sw.*	0.8	Mendoza y Hermanos

\* Reported off the air by FBIS.

### PANAMA

Colon .....	HP5K	6005 sw	0.2	Jose Jaen y Jaen
	HOK	640	0.25	
Panama .....	HP5G	11780 sw.	.6	Radio Panamericana
	HOA	1000	.4	
Panama .....	HOC	1440	.025	Jose Jaen y Jaen
Panama .....	HP5A	11700 sw.	.3	Jose Jaen y Jaen
Panama .....	HOQ	1250	0.25	Fernandez Jose Herrera, Jr.
Panama .....	HP5B	6030 sw.	0.15	Ernesto de la Guardia, Jr.
	HP5C	730	.4	
Panama .....	HP5H	6122 sw.	0.15	M. Lombardo Vega
Panama .....	HP5J	9600 sw.	0.2	Servicio Publica de Radio,
	HP6J	1358 sw.	0.1	Manuel Doce

### PARAGUAY

Asuncion .....	ZPA1	6010	2.5	Official Govt. Station
Asuncion .....	ZP1	970	0.1	Atilio C. Bajac
Asuncion .....	ZP4	730	0.1	Iseru and Scarello
	ZP8	11850 sw.*	0.1	
Asuncion .....	ZP6	1300	0.1	Emilio Jordan Livieres
Asuncion .....	ZP9	970	1.2	A. C. Bajac
Asuncion .....	ZP10	1330	0.1	Victor Noriega
Asuncion .....	ZP11	1200	0.1	Juventus Antoniana
Asuncion .....	ZP13	1430	0.1	Julio Picossi Villagra
Asuncion .....	ZP17	1030	0.1	Jose Hanemann
Asuncion .....	ZP3	700	.6	Teleco Paraguaya S. A.

ZPA3 sw.

<i>Location</i>	<i>Call Letters</i>	<i>Frequency Kcs.</i>	<i>Power Kws.</i>	<i>Owner or Operating Agency</i>
Asuncion .....	ZPA2	11721	sw.* 5.	Teleco Paraguaya S. A.
	ZPA6	7890	sw.* 5.	
	ZPA7	15780	sw. 5.	
	ZPO3	13333	sw.* 5.	
Encarnacion .....	ZP5	920	5.0	Philips Argentina, S. A.—operator; Jaimie Yankelevitch—owner
Encarnacion .....	ZP7	900	0.1	Julio Cormillot
Villarrica .....	ZP15	700		
Villarrica .....	ZP6	1300	0.1	Emilio Jordan Livieres

\* Reported off the air by FBIS.

## PERU

Arequipa .....	OAX6B	6035	sw. 0.15	Maximo J. Landa
Arequipa .....	OAX6C	1370	0.25	J. Antonio Umberto F.
	OAX6E	6055	sw. 0.3	
	OAX6D	9500	sw. 0.25	
	OAX6A	6050	sw. 0.1	
Arequipa .....	OAX6A	6050	sw. 0.1	Jorge E. Olazabal Benavides
Callao .....	OAX4C	1160	0.3	Alvarada & Urteaga
Chiclayo .....	OAX1A	6150	sw. 0.2	J. Carlos Montoy D'
Cuzco .....	OAX7A	6128	sw. 0.1	Carlos Lizarraga Fisher-Montero
	OAX4P	6200	sw. 0.25	
Huancayo .....	OAX4P	6200	sw. 0.25	Alfredo Elejalde Granados
Huanuco .....	OAX3A	6116	sw. 0.4	Victor Priano Storace-Castilla
	OAX5B	1460	0.2	
Ica .....	OAX5C	9590	sw. 0.2	Luis de los Heros y de los Rios
	OAX4H	6095	sw. 1.	
Lima .....	OAX4F	1080	0.25	Armando Ortiz Lambert
	OAX4B	1200	0.25	
Lima .....	OAX4G	6190	sw. 0.25	Gobierno del Peru
	OAX4Z	6082	sw. 15.	
	OAX4A	854	10.	
	OAX4T	9562	sw. 10.	
Lima .....	OAX4R		sw.	Ing. Juan P. Goicochea
	OAX4E	960	0.2	
Lima .....	OAX4K	9545	sw. 0.25	Dianderas Samanez
	OAX4I	1320	0.25	
Lima .....	OAX4J	9520	0.2	Dianderas Samanez
	OAX4X		0.3	
Lima .....	OAX4Q		0.2	Dianderas Samanez
	OAX4L	1250	0.2	
Lima .....	OAX4U	1030	5.	Rafael Larco Hoyle
	OAX4V	sw. 6010	2.	
	OAX4W	sw. 9510	0.5	
Trujillo .....	OAX2A	6000.57	sw. 0.25	Rafael Larco Hoyle
	OAX2B	1400	0.25	

## SURINAM (DUTCH GUIANA)

Paramaribo .....	ZPH	5865	0.150	J. C. Herrenberg, Chairman, of private radio club "AVROS." Tech. equip. owned by Surinam Govt.
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. . . **LATIN-AMERICAN STATIONS** . . .

**URUGUAY**

Canelones .....	CW47	1470	0.3	Julio J. Rabassa
Canelones .....	CW3	580	0.3	Diario Rural S. A.
Cerro Largo-Melo .....	CW53	1580	0.25	Ruben D. Lucas
Colonia .....	CW1	550	4.5	R. Berotti & R. Montellano
Colonia .....	CXA8	11840	3.0	Jaime Yankelevich
Colonia .....	CXA14	6055	1.0	Jaime Yankelevich
Durazno .....	CW25	1430	0.5	Artola, Evangelisti y Cia.
Florida .....	CW33	1200	0.075	Omar F. Barreiro
Lavalleja-Minas .....	CW43	1420	0.5	Juan R. Volante
Maldonado .....	CW51	1560	0.5	Hector Lamaison
Montevideo .....	CX4	610	5.0	Direccion Agronomia (Ministry of Agriculture)
Montevideo .....	CX6	650	20.0	Servicio Oficial D. R. F. (Ministry P. E.)
Montevideo .....	CX8	690	0.5	Ramon Puyal
Montevideo .....	CX10	730	1.0	Batlle y Gestoso
Montevideo .....	CX12	770	20.0	Luis A. Artola
Montevideo .....	CX14	810	15.0	Difusoras del Uruguay
Montevideo .....	CX16	850	50.0	SADREP Ltda.
Montevideo .....	CX18	890	5.0	Difusoras El Espectador Ltda.
Montevideo .....	CX20	930	2.0	Carlos L. Romay
Montevideo .....	CX24	1010	2.5	SADREP Ltda.
Montevideo .....	CX28	1090	5.0	Walfrido Figueira Moran
Montevideo .....	CX30	1130	2.0	Silva y Larrea
Montevideo .....	CX32	1170	0.5	Comp. Uruguaya de Publicidad
Montevideo .....	CX36	1250	1.0	Vazquez y Walder
Montevideo .....	CX38	1290	5.0	Servicio Oficial D.R.E. (Ministry P. E.)
Montevideo .....	CX40	1330	0.5	Julio J. Rabassa
Montevideo .....	CX42	1370	1.0	Hector Vernazza
Montevideo .....	CX44	1410	0.25	Julio J. Rabassa
Montevideo .....	CX46	1450	1.5	Guzman Bertachi
Montevideo .....	CXA3	6075	2.5	Leon y Landeira
Montevideo .....	CXA4	6125	5.0	Radio Electrica
Montevideo .....	CXA6	9620	20.0	
Montevideo .....	CXA10	11900	20.0	(Ministry of P. E.—Uruguayan Govt.)
Montevideo .....	CXA18	15300	20.0	
Montevideo .....	CXA19	11705	4.0	Difusoras El Espectador Ltda.
Montevideo .....	CXA21	6170	1.0	Julio J. Rabassa
Montevideo .....	CXA30	6035	1.0	Silva y Larrea
Paysandu .....	CW35	1240	0.25	Alfonso M. Ordoqui
Paysandu .....	CW39	1320	0.1	Miguel Penna
Rivera .....	CW43B	1480	0.75	Walfrido Figueira Moran
Rivera .....	CW49	1340	0.06	Jorge Downton Garcia
Rocha .....	CW19	1340	0.05	Abel Machado
Salto .....	CW23	820	0.25	Domingo Giordano
Salto .....	CW27	660	0.25	Luis Batlle Berres
Salto .....	CW31	1120	0.25	Salvador E. Pera
San Jose .....	CW41	1360	0.05	Pedro Brucoleri
San Jose .....	CW47A	1510	0.1	Fasola Rios y Tibori
Soriano-Mercedes .....	CX52	1570	0.5	Anibal Frabaside, Juan Orlando Kelly, Jose Pedro Iragaray, y Florencio Donato Montero
Soriano-Mercedes .....	CW46B	1460	0.05	Roberto Tarucell
Tacuarembó .....	CW46A	1400	2.0	Luis S. Dini
Treina y Tres .....	CW45	1390	0.25	Marroche y Lacurcia

• • •      **LATIN-AMERICAN STATIONS**      • • •

**VENEZUELA**

Acarigua .....	YV3RF	3490 sw.	.104	Pausides Sigala
Barcelona .....	YV6RC	3450 sw.	1.5	L. J. Arreaza
	YV6RE	1080	.25	
Barquisimeto .....	YV3RE	1475	.775	Amilcar Segura
	YV3RN	4990 sw.	.300	
Barquisimeto .....	YV3RS	3490	.65	Rafael A. Segura
Caracas .....	YV5RN	4920 sw.	5.0	Ricardo Espina, Dir.
	YV5RA	960	10.0	Almacen Americano
Caracas .....	YV5RB	790	4.72	Dogowitzle Sidlitz
	YV5RM	6150	2.3	H. Deewitz, Dir.
Caracas .....	YV5RH	720	1.0	Pbro. J. M. Pallin
	YV5RX	3430 sw.	.75	(Catholic Church)
Caracas .....	YV5RG	1010	.96	Compania Anonima
	YV5RU	4860 sw.	5.0	C. E. Riskel, Dir.
Caracas .....	YV5RI	590	1.138	Oscar Vincentelli, Director
	YV5RY	3380 sw.	1.96	
Caracas .....	YV5RL	1160	1.0	Ponce & Benzo Scs.
	YV5RW	3400 sw.	1.15	
Caracas .....	YV5RQ	882	1.182	Cia. Anonima
	YV5RS	3360 sw.	2.1	H. Deewitz, Dir.
Caracas .....	YVKA	630	.88	National Govt.
	YVKO	4950 sw.	5.	National Govt.
	YVKB	6172 sw.	2.2	National Govt.
	YVKC	9640 sw.	2.2	National Govt.
	YVOR	11725 sw.	2.2	National Govt.
	YVPX	15315 sw.	2.2	National Govt.
Ciudad Bolivar .....	YV6RA	1400	.68	E. Torres Valencia Sucs.
	YV6RU	4790 sw.	.96	E. Torres Valencia Sucs.
Coro .....	YV1RT	3300 sw.	.175	J. Romero
Coro .....	YV1RY	4770 sw.	.30	Roger Leyba
	YV1RW	1370	.193	Roger Leyba
Cumana .....	YV7RA	1200		L. J. Arreaza
	YV7RB	3470 sw.		L. J. Arreaza
La Guaira .....	YV5RZ	1050	.75	Carlos L. Perez
	YV5RV	4760 sw.	1.05	Carlos L. Perez
Maracaibo .....	YV1RA	1300	.09	Luis Garcia N.
	YV1RV	4750 sw.	.30	
Maracaibo .....	YV1RC	1400	.52	Pedro Bermudez
	YV1RT	3370 sw.	.455	
Maracaibo .....	YV1RD	1150	.2	L. G. Govea
	YV1RU	3440 sw.	1.0	L. G. Govea
Maracaibo .....	YV1RF	1120	.55	N. Vale Quintero
	YV1RX	4800 sw.	2.0	
Maracaibo .....	YV1RL	4810 sw.	.300	J. A. Higuera
	YV1RK	1250	.437	J. A. Higuera
Maracay .....	YV4RK	3390 sw.	.465	Atilio Ormezzano
	YV4RL	1430	.193	
Maracay .....	YV4RX	3310 sw.	.1	Luis Croquer
	YV4RD	1150	.1	
Merida .....	YV2RC	3420 sw.	.60	A. M. Quintero
Pt. Cabello .....	YV4RR	1490	.520	Rafael A. Segura
	YV4RQ	3480 sw.	.885	
San Cristobal .....	YV2RN	4820 sw.	2.0	J. Diaz Gonzalez
Trujillo .....	YV2RB	980	.325	
	YV1RO	3310 sw.	2.0	Pedro J. Torres
Valera .....	YV1RZ	4840 sw.	.30	Jorge L. Ferbes, owner;
				Pedro Flores I., Dir.
Valencia .....	YV4RO	4780 sw.	.30	H. & G. Degwitz
	YV4RA	1350	.83	
Valencia .....	YV4RE	3460 sw.	1.0	Miguel Ache
	YV4RP	1400	1.138	

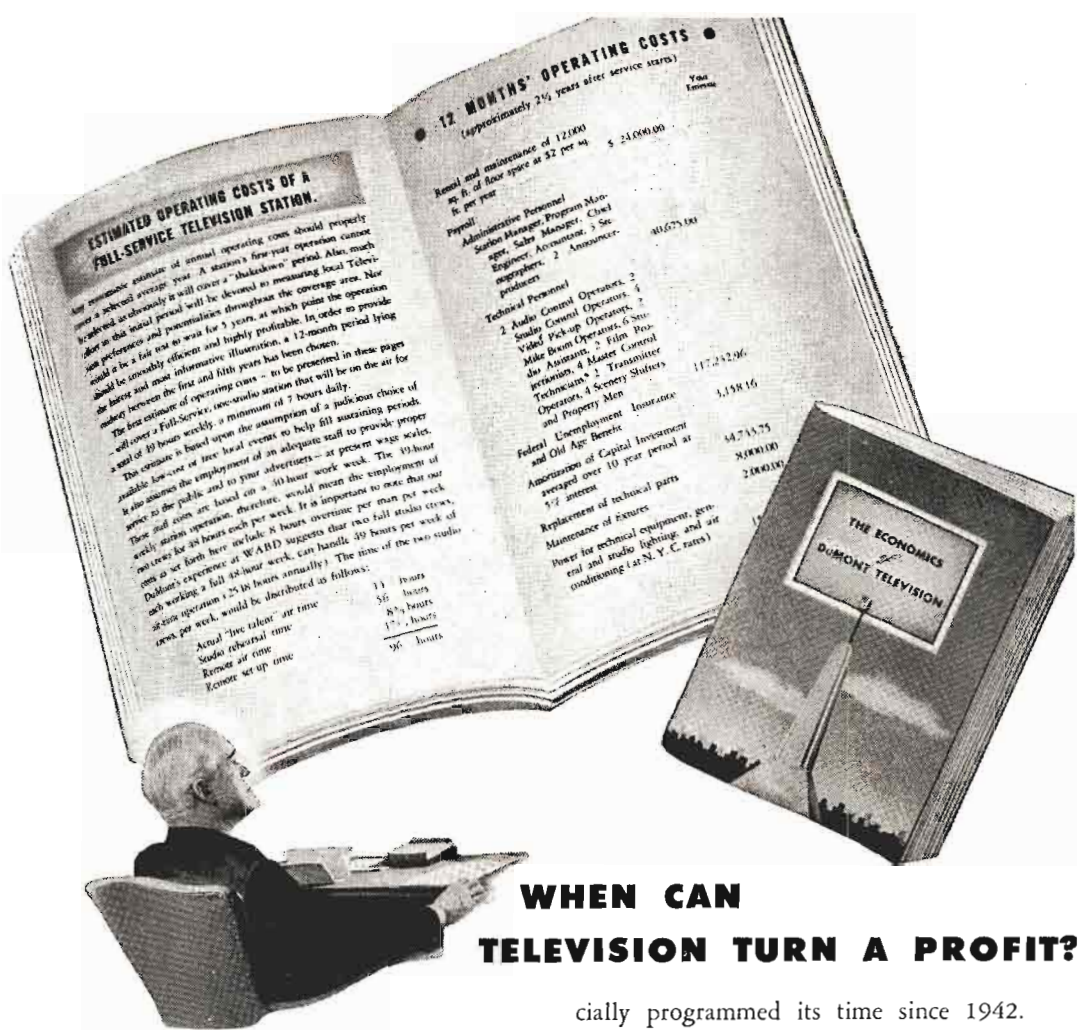
**For the BEST IN NEWS**

**For the**

**BEST IN PROGRAMS**

**BASED ON NEWS**

**API!**



## WHEN CAN TELEVISION TURN A PROFIT?

Facts, figures and "television know-how" are needed when considering this important question. Du Mont is qualified to help you find the answer. Du Mont has marched in the forefront of radio and electronic progress for the past 15 years. Du Mont has contributed importantly to television broadcasting and receiving equipment design. Du Mont has built more tele-stations than any other company. Du Mont has operated Station WABD and commer-

cially programmed its time since 1942.

From this deep reservoir of television experience, Du Mont has drawn a pattern which you can use to plan your television future. This pattern is presented in detail in our new booklet, "The Economics of Du Mont Television." This booklet sharpens but one axe—the tested superiority of Du Mont station equipment. This is another Du Mont contribution to the development of a great new medium. Please request it on your firm letterhead.

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# DUMONT



*Precision Electronics and Television*

ALLEN B. DUMONT LABORATORIES, INC., GENERAL OFFICES AND PLANT, 2 MAIN AVENUE, PASSAIC, N. J. TELEVISION STUDIOS AND STATION WABD, 515 MADISON AVENUE, NEW YORK 22, NEW YORK





*P R E S E N T S*

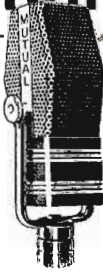
THE 1946  
YEAR BOOK  
OF  
TELEVISION

*Edited by*

*JACK ALICOATE*

Copyright, 1946, by the Radio Daily  
1501 Broadway, New York 18, N. Y. Wisconsin 7-6336

# LEADERSHIP REQUIRES VISION



*First in the West with*

- ★ ALL-TELEVISION STATION
- ★ TELEVISION BROADCASTING
- ★ ALL-TELEVISION BUILDING
- ★ FREQUENCY MODULATION
- ★ ALL-FM BUILDING

*First on the Pacific Coast with*

- ★ NETWORK RADIO BROADCASTING
- ★ COMPLETE RADIO COVERAGE (39 Stations)

# NOW

— Don Lee has acquired a television site of the height considered most advantageous for both Television and Frequency Modulation Broadcasting. Don Lee's purchase of a site on the top of Mount Wilson, home of the world-famous Mount Wilson Observatory, will give KHJFM and W6XAO a transmitter height of 5,900 feet for Television and Frequency Modulation Broadcasting. No finer location could be obtained in all Southern California.



**Broadcasting System**



# TELEVISION

Radio Daily presents the first edition of the Year Book of Television . . . a mellowed reflection of the past, a colorful show window of today and a happy preview of things to come.



We believe that Television will soon break through the dam of reconversion difficulties. . . . Its place in the sun, alongside of the stage, screen and radio is already assured.

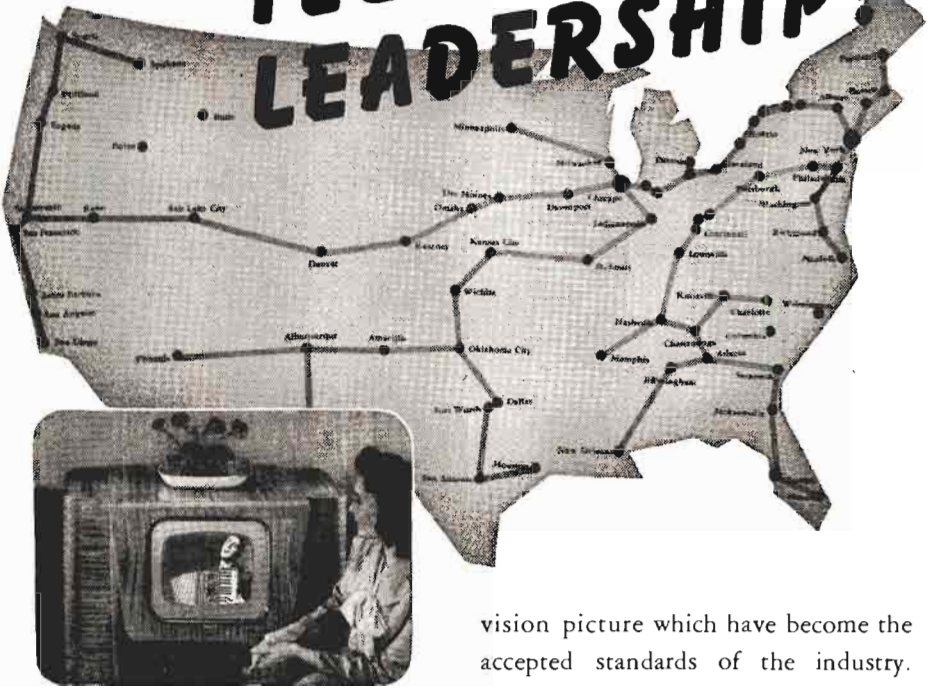


In the meantime it is hoped that the pages that follow will be of help to the explorer in the field of video . . . To those who have helped we are indeed deeply appreciative.

*JACK ALICOATE*  
*Editor*

## Setting the Stage for

# TELEVISION LEADERSHIP!



SINCE 1928, Philco's pioneer contributions have played a leading part in the progress of television.

In *television reception*, perhaps the most important factor will be the quality of the picture. And Philco scientists and engineers . . . more than any other research group . . . have been responsible for constant improvement in the clarity, sharpness and detail of the tele-

vision picture which have become the accepted standards of the industry.

In *television transmission* . . . Philco engineers designed and constructed the world's first multiple-relay television system to link two major cities . . . Washington and Philadelphia. Rapid development of nationwide networks can follow the pattern of this Philco relay system . . . thus bringing television entertainment to *national* audiences!

Look to Philco for continued pioneering . . . for leadership . . . in television.

# PHILCO

*Famous for Quality the World Over*

# Television To-Day —and Tomorrow

By FRANK BURKE, Editor, RADIO DAILY

**T**ELEVISION—lusty infant of the electronic age—which suffered growing pains during 1945 now stands on the threshold of a boom era.

Despite the production setbacks and delays incident to channel allocations, television progressed during 1945 with leaders laying the foundation for network development, standardizing equipment, and educating the public on the potentialities of the new visual art.

Among the important developments of the past year was the FCC's action in allocating television channels in 140 major markets throughout the country, the completion of a coaxial cable network linking Washington and New York and the experimental networks using microwave relays and booster stations.

Applications received by the FCC indicate approximately 150 television stations are sought by broadcasters throughout the country. Most of the applications come from key center cities, and if production of transmitters gets underway it is expected that at least 10 new television stations will take to the air during 1946.

Television set manufacturers view 1946 as a banner production year with OPA difficulties eased. One manufacturer predicts that 200,000 new television receivers will be in the hands of consumers before the end of the year and that a potential market of millions of receivers awaits production and sales schedules.

The battle of frequencies continues with two schools of thought airing their views on whether television should develop immediately in the low frequencies with an acceptable black-and-white image or wait until ultra high frequency color television is fully developed for commercial acceptance. In the black-and-white field RCA recently demonstrated an excellent image using the new image orthicon camera and improved receivers. On the other hand CBS staged press previews of color television using a new

transmitter and a vastly improved mechanical scanning system.

## Production Gets Underway

While the battle of the frequencies is being waged RCA, Philco and General Electric are going right ahead with the manufacture and merchandising of black and white receivers which are expected to range in price from \$150 to deluxe models as high as \$1,000. Proponents of color, while not geared at present to produce receivers, forecast that color television sets will be available within six months and that the cost of these receivers will not exceed 10 per cent more than the conventional black-and-white sets.

As the industry gets in the stride the ranks of the so-called "experts" continues to grow. Television institutes and schools are springing up in New York, Chicago and the west coast and layman interest in video continues to grow. In many instances "experts" have talked and written themselves out on the subject of television and left advertising agency executives, potential sponsors and others wanting more specific information on the visual art.

Intra-store television looms as an important phase of video merchandising with experimental installations having been tried out in Philadelphia and Jamaica, L. I. The Philadelphia demonstration, staged by Gimbel's store in collaboration with RCA, attracted large crowds and proved that visual merchandising was practical. Similar results were obtained in Jamaica with the demonstration operating on a smaller scale.

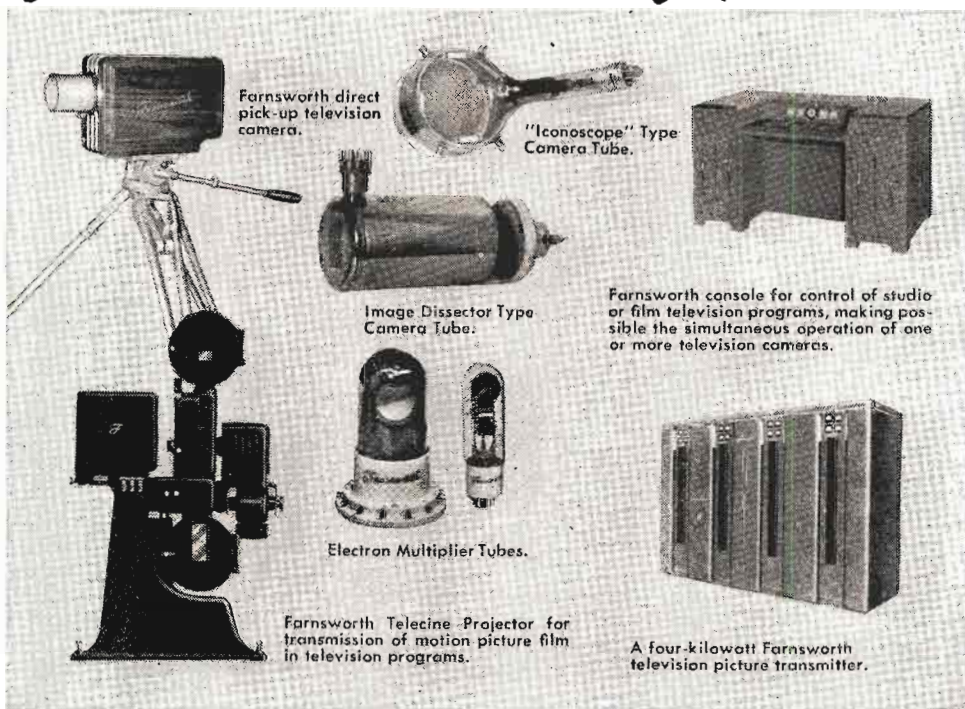
In conclusion the best appraisal of the future of television was made by Paul Porter, ex-FCC chairman, during the inauguration of the coaxial link between Washington and New York on Lincoln's Birthday. Porter said that communications, including television, would become a \$6,000,000,000 industry, would create many new jobs and carry "a great re-conversion load in the next few years."



Look to the pioneer...

# FARNSWORTH...

for Better Television Equipment!



Farnsworth! The name you think of *first* in television! With a rich heritage of eighteen years of experience in electronic television, with increased plant facilities, with war-acquired skills and techniques, Farnsworth is ready to meet the industry's need for communications, broadcasting and television transmission and reception units, including technical equipment for laboratory use.

# FARNSWORTH

*Television · Radio  
Phonograph · Radio*

FARNSWORTH TELEVISION & RADIO CORPORATION, Fort Wayne 1, Indiana

Farnsworth Radio and Television Receivers and Transmitters • Aircraft Radio Equipment • Farnsworth Television Tubes  
Halstead Mobile Communications and Traffic Control Systems for Rail and Highway • the Farnsworth Phonograph-Radio  
the Capehart • the Panamuse by Capehart

# Television Gains Via Wartime Use

*By D. F. SCHMIT, Director of Engineering, RCA Victor Division*

UNLIKE many of the newer wonders which are ushering in the Electronic Age, television is not a "war baby." Television graduated from the laboratory to the state of a limited public service some years before the war. Many public demonstrations were given, transmitters went on the air in several of the larger American cities, and television receivers were purchased and used in some 10,000 American homes.

It has been during the war and the few months since its close, however, and partly as an outgrowth of wartime research for military purposes, that television has come of age. Having now attained its majority, it promises in the next year or two to become at least one of the most important, if not the most important, of all electronic services, in point of both its economic significance and its effect on the living of America.

## Major Developments

Several major developments contributing to the technical advancement of black-and-white television have come out of the RCA Laboratories and the various engineering development laboratories of the RCA Victor Division of the Radio Corporation of America during the war years. These include a new super-sensitive camera, new picture tubes that greatly increase the brilliance and clarity of the televised image, a large-screen projection system for home receivers, and new tubes and circuits which improve image quality and, at the same time, make it possible to design cameras, studio and control equipment, and receivers that are smaller, lighter in weight, and more compact than pre-war units.

Before the war, outdoor program material was limited by weather and the time of day, and indoor material required intensely brilliant artificial lighting. A screen image of adequate brilliance could be obtained only in a darkened room, and even then, definition left something to be desired. Home receiver viewing screens, occupying the face of the picture tube, were restricted in size by physical

limitations on the size of tube it was practicable to build, with the usual screen size about 7 by 9 inches.

## Program Possibilities

Today, with the super-sensitive RCA Image Orthicon in a lightweight, compact field camera, television producers have entered upon a vast new field of program possibilities, encompassing round-the-clock coverage of news and special events in any kind of weather, by sunlight, twilight, streetlight, or the ordinary indoor lighting of theaters, auditoriums, schools, churches, courtrooms, concert halls, and sport arenas.

With the new and improved RCA Kinescopes, set-owners may see television images possessing brilliance, definition, and contrast equal to those of motion pictures in a normally lighted room.

Prospective set-owners contemplating the purchase of de luxe television receivers for large rooms or relatively large family or social groups of observers may look forward to a screen image approximately as large as a full page of a newspaper, provided by the RCA Victor large-screen projection-type receiver.

The RCA Image Orthicon is possessed of light-sensitivity 100 times greater than that of prewar camera tubes and approaching that of the human eye. This extreme light-sensitivity is achieved by interposing a series of electron multiplier stages between the photocathode on which the light image is focused and the signal output, thereby amplifying the initial response to low light levels.

The vastly improved brilliance and definition of images obtained on new RCA Kinescopes have been achieved through advances in the design of electron guns and the development of luminescent materials providing increased efficiency and picture contrast.

## Large Screens

RCA Victor's projection-type receivers employ a reflective optical system, consisting of a spherical mirror, which picks up the image from the face of the pic-

ture tube, and a molded plastic aspherical lens, which brings the reflected and enlarged image to a sharp focus on a rear-projection type viewing screen built into the receiver cabinet.

In the new RCA Projection-Kinescope to be used in these large-screen receivers, light losses are minimized by means of a very thin metallic film behind the fluorescent screen, which acts as a mirror to keep light generated by the fluorescent screen, which acts as a mirror to keep light generated by the fluorescent material from radiating back toward the inside of the tube.

Although color television cameras and receivers employing mechanically driven color filters have been demonstrated experimentally by RCA, and promising results have been obtained, the company feels that this phase of television is still in the laboratory stage. RCA does not plan to market equipment in this field until a non-mechanical, all-electronic color system can be perfected to provide images equal in clarity to those obtained with the present RCA black-and-white all-electronic system.

Present uncertainties in the manufac-

turing situation preclude the fixing of a specific date for the beginning of distribution on new RCA Victor television receivers, but it is expected that the first table models will come off the production lines about the middle of this year, with console models following next autumn.

RCA Victor's manufacturing schedule embraces a variety of television receivers, ranging from a direct-viewing type employing a 7-inch kinescope (picture size about 4½ x 6 inches) to a de luxe large-screen projection-type console providing a picture about 15 x 20 inches. Auxiliary services such as AM and FM radio reception and record reproduction will be included in some models. Prices are expected to range from about \$200 for a table model to approximately \$500 for a large-screen projection model with AM and FM reception.

RCA Victor, which has supplied more television broadcast equipment than any other company in the world, expects to have the first of its new television transmitters and other station equipment items ready for distribution by late summer or early autumn of this year.

## Be Wise...

# FILMS DON'T TELEVISE

**Unless....** produced by the methods and techniques required for Telescanning, as against the present form of "movie" production that has been unsuccessfully applied, they will not conform to technical and electronic requirements and the exacting standards that should govern quality Television presentation.

As pioneer producers of Television Film Transcriptions, exclusively, TransVideo is prepared to place at the disposal of sponsors, agencies and stations, its unique "know how" in the production of films for Television.



## TransVideo Film Productions

INCORPORATED

112 PARK AVENUE

NEW YORK 17, N. Y.

MURRAY HILL 4-6628

972



# Color Television Of Tomorrow

By DR. PETER C. GOLDMARK, Dir. Engineering Research-Development, CBS

THE science of radio has continually probed for realism. In the aural field the fidelity of the sound has been improved bit by bit over the years until we can transmit over the air the full frequency range of the sound just as it would be heard by a listener on the spot. In the development of television, we have been following the same path. Now we are able to transmit a picture of a scene faithfully and completely, in natural colors, as it would appear to an observer on the spot.

In the field of electronics, the impulses carried on the air waves have been developed from the comparatively simple vibration of the wireless telegraph instrument, until today in the ultra-high frequencies around 500,000,000 impulses per second we are able to transmit the full, natural colors of objects before the television camera.

War research and employment of electronic discoveries, plus prior experience in field and laboratory, are the ingredients that make possible the new television in full color which the Columbia Broadcasting System has demonstrated and brought to the point of public commercial practicability.

By imposing the three primary colors one on top of the other in a rapid succession of impulses, the exact hues of the original object are transmitted to the eye of the viewer at the home receiver.

The ultra-high frequencies not only have brought us high definition color television, but because they permit the use of highly directional receiving antennas, they have made possible the absolute elimination of secondary images, known as "ghosts."

On the lower frequencies, these "ghosts" are the result of reflections. The image-carrying beam from the transmitter, strikes a high building or other obstruction and "bounces" off. In many instances both the primary wave, as well

as the image that has bounced off the obstruction, are picked up by the antenna and shown on the television screen at the receiver, thus giving a blurred image.

The directional antenna consists of a ten-inch horizontal bar, and a parabolic reflector six feet wide by eighteen inches high. The antenna can be turned in an arc to obtain the best image. The rotation of the antenna is controlled automatically by the station selector switch. On the low frequencies a directional antenna of similar properties would have to be sixty feet wide—obviously too heavy and clumsy to be practical.

The same characteristic of the ultra-high frequency which makes possible compact directional receiving antennas also makes it possible for us to achieve high gain in the transmitting antenna. Again the physical dimensions of the antenna are in favor of the ultra-high frequency. On the 71st floor of the Chrysler Building we now have installed an antenna with a gain of twenty which gives an effective power of 20 kilowatts to the CBS one-kilowatt ultra-high frequency transmitter.

On the subject of color fidelity of the CBS system, a number of questions have been raised as to the relative color quality of electronic and so-called mechanical systems. At the present time the CBS system includes mechanical elements. We have been and are working on an electronic system as well, but for the near future we see little hope of successful results. Moreover, it can be proven mathematically that the color quality of any electronic system cannot be superior to that inherent in the present CBS system. The reason for this is that the colors are today produced by filters of high mathematical and optical precision.

Moreover, when and if an electronic color system arrives, there is no reason why it need make obsolete any color receiver employing the CBS color system and in use at that time.

# TALK ABOUT IMPACT!...

**Just recently we invited the press to a preview of full color television in the ultra-high frequencies. Of course, we had planned running an ad on the event. What we hadn't planned was that the ad should be entirely (and glowingly) written for us. Here's what the press says about CBS color television.**

## **SAYS "TIDE"**

... CBS did not overlook the increased advertising potential of color. A women's style show, almost meaningless in monochrome, came to life in color. Even little things, like packages of cigarettes, do much better when seen in their familiar colors....

...The significance to the television industry of last week's demonstration would be hard to overstate....

The general reaction: "THIS IS IT!"

## **SAYS THE "DAILY NEWS"**

...the demonstrations prove that 3 great obstacles, once regarded by many as insuperable, have been overcome. First, CBS is able to generate sufficient power in frequencies above 300 megacycles to transmit satisfactory color images. Secondly, it modu-

lates a 10 megacycle video band, which most authorities said could not be done. Third, it has eliminated the bothersome reflections known as "ghosts", which have hitherto marred television pictures.

Ultra-high frequency color television, without annoying "ghost" reflections, is a reality....

## **SAYS THE "WORLD-TELEGRAM"**

CBS color video, in debut, proves beautiful beyond description.

...The image is sharp, distinct and completely realistic. Dr. Goldmark has given us a magic casement, and the vistas it will open should have a profound effect on every phase of the advertising and entertainment business, not to mention the arts, letters and sciences. It is a medium that

# here's how CBS full color television struck the press

calls for the best in all these fields.

...those who watched the CBS demonstration feel sure there will be a mad rush to buy television sets as soon as the public has a glimpse of natural color video.

## **SAYS THE "HERALD TRIBUNE"**

There were several new things about the demonstration. The signal was being transmitted in a full 360-degree arc from the Chrysler Building, rather than in a directional beam; one transmitter was sending both sight and sound, instead of a separate transmitter being used for each; there were no multiple reflections, or "ghosts" on the viewing screen; the colors appeared real. There was clear definition in the images as well...

## **SAYS "TIME"**

It was clearly—and colorfully—the most notable television demonstration of the year....The reception, as vivid as a Van Gogh painting, made black-and-white television look antiquated....

## **SAYS THE "WALL STREET JOURNAL"**

Television in color is a lot closer than most people had believed, it was conceded over the week-end by experts in the industry....

The pictures shown by CBS were clear and the color contrasts as good as those of the best color moving pictures. . . .

The CBS demonstration left little doubt that color television has reached the perfection of black and white....

## **SAYS "P.M."**

The long-awaited press showing of CBS color television demonstrated without doubt that they have achieved a dramatic refinement on image transmission....



**THE COLUMBIA BROADCASTING SYSTEM.**

# TELEVISION ○



# F T O M O R R O W



☆—Indicates Area Has Commercial Stations

Now Operating  
 Chicago—Two  
 Los Angeles—Two  
 New York—Three  
 Philadelphia—One  
 Schenectady—One



# Tele Sportscasting

By *BILL SLATER, President, Sportscasters Assn.*

AS I started to say in an earlier article in this Year Book, television has become so good in catching the sports picture that many sports executives are beginning to develop fears. In this field we may easily fall into what has become almost an occupational disease of the modern, scientific era—namely we can produce more than we can market without upsetting the economic apple cart.

Such an academic-flavored statement should be brought down to cases. That is easy. Consider the men who own professional baseball clubs. Their business has been built up through two generations of devising ways and means of getting John Q. Public to plunk down his money and make those turnstiles click. To these persons the question of whether or not television will keep fans away from the game is a vital matter.

Granting that it might be hard to find sponsors rich enough to pay the bill for a heavy loss in gate-receipts, and you have the makings of a first-rate impasse. On the question of what effect telecast baseball might have on the gate, there are, of course, two sides and you will find groups able to defend each side strenuously and with some logic.

There naturally follows the question of how feasible it might prove to have the games telecast from the park into movie houses, where it is easy to tax the customers as they come in.

Mike Jacobs has hopes of telecasting his fights—the best of all video sports bill-of-fare so far—into a string of theaters.

However it all works out, both radio-wise and video-wise, there are busy days ahead for sports spielers. And these days will be more than just busy ones.

CHARLES STARK

THOMAS CARR

## CARR-STARK, INC. RADIO-TELEVISION PRODUCTIONS

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# Video Variations— Facts and Figures

*Tomorrow's television holds promise of getting in stride during 1946 with boom years ahead. The following is factual data on this new electronic industry:*

**E**STIMATED 7,500 to 8,000 pre-war television receivers now in use in the United States with about 5,000 of these located in Greater New York.

Applications for new commercial, television stations reached 143 on January 1 with the FCC adopting an allocation plan providing for 400 transmitters in the first 140 markets.

Leading manufacturers estimate new television sets will be priced from \$200 to over \$1,000 and it is anticipated that from 250,000 to 300,000 will be sold during 1946.

Seventy-five manufacturers, according to TBA, are ready to manufacture television receivers, transmitters and their components.

Network television developments include the opening of the Philadelphia-New York coaxial cable link of A.T. & T. on December 1 and the recent completion of the coaxial line between New York and Washington.

Television surveys indicate that the service will reach 64,754,900 persons within two years of full commercialization and over 72,000,000 persons with five years.

Paramount Pictures is expected to demonstrate large screen television for theaters in New York in August of 1946.

Use of television in education already being undertaken by the public school systems of New York and Chicago.

Television in Great Britain, discontinued in 1939, has been resumed on the 405-line standard.

Number of new television stations going on the air in 1946 is dependent upon availability of equipment from manufacturers and action by FCC in approving construction grants.

Controversy on merits of black-and-white television as compared to the ultra high frequency color television continues with RCA declaring monochrome ready and CBS reporting color past the experimental stage.

Programming schedule on nine operating commercial stations calls for 28 hours a week per station beginning in July, according to FCC regulations.

### Musical Audience Participation ("Breakfast Club")

Variety said, "...Don McNeill and his 'Breakfast Clubbers' proved that audience-participation shows provide sock entertainment for the video medium..."

Hollywood Reporter said, "McNeill and his Windy City gang proved the American web's theory that audience participation airers make good television fare..."

### Children's Programs ("Tele Tales for Children")

Variety said, "Those who viewed the Singing Lady of radio strutting her stuff in video for ABC last Friday were more than entertained—they were convinced that television had found itself."

### Sports

#### (Night Baseball)

Variety said, "...the tele department of ABC reached a new high last week in the tele filming of (Esquire's) sports event...came up with one of the clearest and most interesting sports events yet seen on tele."

### Special Programs

#### ("Letter to Your Serviceman")

Variety said, "Nine times out of 10 the variety format on television molds itself into a click show. The (ABC) video department has been the greatest exponent of variety stanzas for television with 'On Stage, Everybody,' 'Kiernan's Corner' and ... 'Letter to Your Serviceman' ..."

*Trade reviews tell you ...*

# Why ABC is on the

When we started in television, we knew that to make a success of it we had to establish a basic pattern in order to build television that was above all *practical*. In outline, it was something like this:

**1** America's *advertisers* had a lot to do with making radio the success it is today. By competing among themselves for larger audiences, they made programs increasingly better, with the result that they, the public and the radio industry all benefited.

**2** Advertisers and their agencies will play just as important a part in commercial *television*. For that reason,

the best approach to television is from the standpoint of making it a *practical, economical medium for advertising*.

**3** The logical place to begin the development of television is with what has already been learned about *listening audiences*. New and costly experimental work in new types of programs will play its part. *But right now the adaptation of proved, successful, economical radio shows with assured listening audiences is the industry's best bet in developing practical television.*

**4** Shows should be televised on regular weekly schedules, just as they are in radio, in order to build and hold television audiences. Just as radio listeners



**Musical Variety**  
(*"On Stage, Everybody"*)

Billboard said, "The show ran with a smoothness that is big-time... had everything—color, movement, integration, format and theme... there hasn't been anything on the air in a variety format that has been any better."

**Musical**  
(*"King's Record Shop"*)

Variety said, "Show... gives staunch support to a vast sector of the industry which believes that while video is in the toddling stage, programming keynote should be simplicity."

**Special Events**  
(*Navy Day Program*)

Billboard said, "Just about the best film record of New York's Navy Day celebration... a film which is a fitting document of our Navy and the public's reaction to it."

**Audience Participation**  
(*"Ladies, Be Seated"*)

Variety said, "... network execs know whither they are going. They have formulated a program policy of using network radio shows which have the best chance of scoring strongly when televised."

Billboard said, "It's funny, it's commercial and it's inexpensively produced... genuinely entertaining."

## Right Track in Television

look forward to hearing their favorite shows every week, so will video audiences expect continuity in their entertainment.

### The Plan Really Works!

How far that philosophy has taken us in just the past few months is best told in trade reviews of ABC video shows. Some of them are on this page. Read

them closely. What they say, in effect, is that in *all* types of video programs—audience participation, children's shows, night baseball, special events—ABC is not only on the right track, but off to a good start as well. That's why advertisers who want to get into television on a practical, economical basis are getting set on ABC today.

*Schenectady folks enjoyed special ABC Christmas television programs  
December 21, 24, 26, 27 and 28 on Station WRGB.*

# American Broadcasting Company

A NETWORK OF 195 RADIO STATIONS SERVING AMERICA

981

# Television Status In Great Britain

*By H. BISHOP, Chief Engineer of British Broadcasting Corp.*

IN 1943 the British Government appointed a Committee under the chairmanship of Lord Hankey to prepare plans for the reinstatement and development of the television service after the war. The Committee submitted their report early this year, and the Government have now announced that they have given general approval to the Committee's recommendations. The Committee conducted a comprehensive review of the pre-war television service, war-time research, and the steps which should be taken to provide and develop a post-war service.

## Committees

A similar Committee was set up in 1934 by the Government of the day to report how a television service might be started in Great Britain. It was as a result of this Committee's report that a regular daily service of high definition television was started by the British Broadcasting Corporation on the 2nd November 1936 from a television station erected at Alexandra Palace in the north of London. Two systems employing different technical standards were used, the Marconi-EMI and the Baird. They were using them during alternate weeks until February 1937 when it was decided that the technical standards used in the Marconi-EMI system should be adopted for all public transmissions from the London station. From February 1937 to the 1st September 1939, when the service was closed down due to the war, the standards remained unchanged, and were 405 lines, 50 frames interlaced, giving 25 complete pictures per second. The number of lines are a measure of the definition of the picture, and the number of frames, or complete pictures, determines the absence or otherwise of flicker.

These standards were chosen to give adequate picture definition with imperceptible flicker for ordinary domestic viewing. If a worthwhile improvement in definition is required, then the number of lines must be considerably increased, and this means that the technical complication, both at the transmitting and receiving ends, is also increased. The

standards we adopted were a compromise and represented what was economically practicable from the technical point of view at that time.

## Development

It may be of interest to say something about the development of television in Great Britain. With the aid of apparatus developed by Baird, the BBC started daily television transmissions of a somewhat primitive kind as far back as 1929. Research from that date to 1936 permitted the establishment of a television service which the Television Committee of 1934 felt would be acceptable to the public. The system employed and the design of the London Television Station at Alexandra Palace have been fully described in technical literature (principally in BBC publications and in the *Journal of the Institution of Electrical Engineers*) published before the war. The period between 1936 and 1939 was itself one of development, but of rather a different kind. The apparatus remained substantially the same but there were big improvements both on the technical and program sides in the utilization of the medium for the presentation of public entertainment.

Over 2½ hours' program a day was regularly transmitted, the time being divided between afternoon and evening sessions. In addition there were morning test transmissions for the set retailers. A wide variety of programs was produced both in the studios and outside in the grounds of Alexandra Palace. Initially these programs were of a simple character, but as time went on they became more ambitious, and producers learned how to make the best use of the technical facilities at their disposal. The studio programs ranged from tap-dancing and the lightest type of variety act to grand opera and drama. They included illustrated talks, music, ballet, revue, art exhibitions, fashion parades and frequent appearances in person of people in the news. Current newsreels were shown daily and cartoon films were frequently included.

### Topicality

Topicality is one of the essentials of a television service. With the development of the necessary technical equipment, it became possible to transmit a wide range of entertainment from places in the London area where interesting events, both in buildings and in the open-air, were taking place. There were for example successful transmissions of Royal Processions, the arrival of distinguished visitors at Victoria Station, the international tennis championship at Wimbledon, boxing, cricket and football matches, performances from London theaters, and many other notable events.

For these outside events two sets of mobile equipment mounted in trucks and completely self-contained were in constant use. The programs were conveyed to the transmitter at Alexandra Palace by land line or mobile radio link. For the former a special cable was laid round London, but where the point of broadcast did not lie on the route of this cable a method of using ordinary 40-lb. telephone pairs was developed to give the wide band-width necessary for television transmission.

This was the stage that television in Great Britain had reached at the beginning of the war. We were on the point of increasing substantially the studio facilities in London, and it was also our intention to extend the service as quickly as possible to provincial cities such as Birmingham and Manchester.

The war put a stop to it all, and it was the task of the Hankey Committee to recommend how the service should be restarted. There are two principal ways in which this might be done. It could begin again as it was in September, 1939, with minor improvements which have become possible since that time, or the resumption of a public service could be delayed until such time as a new and improved system could be brought into service.

### Guiding Delay

At first sight, it seems obvious that, provided the delay is not too great, the opportunity should be taken to restart with a new and improved system so that the public may have the benefit of a better service at the earliest moment and not be persuaded to buy sets which will be unsuitable for the improved system which will come eventually. However, the crucial point is whether in fact there is an improved system ready to be put into public service now. The answer is that there is not, although experimental systems are being tried out. The Hankey Committee considered that it

was of the utmost importance that there should be no avoidable delay in restarting a service in Great Britain and consequently they favored opening on the basis of the pre-war system rather than waiting for the development, manufacture and installation of a new system.

Critics will say that this new system has in fact already arrived and has been demonstrated. This is true, but as every engineer knows there is a vast difference between a laboratory demonstration and the operation of a regular service for reception by the public. The Committee quoted several reasons for their decision to start up again on the old system. They felt that the pre-war transmissions had achieved a high degree of reliability and afforded a consistently good entertainment value in the home. Moreover, with certain minor refinements and particularly with receivers of better design and quality, the good entertainment value of the 1939 service would soon be surpassed. It is a fact too that radio developments during the war, great as they have been, have not materially affected the television position. War developments are not immediately applicable to the production of a better picture in the home, and, consequently, if the reopening of the service were to be delayed until an improved system were available there might be a long gap without any service at all. Finally, the Alexandra Palace equipment fortunately escaped damage by bombing and can soon be made ready for service when the skilled staff (both program and engineering) again become available.

### Recommendations

The Hankey Committee recommended that plans should be made for extension of television to possibly six of the most populous provincial centers as soon as possible after the reinstatement of the service in London. These extensions would of course employ the London system. While this work was in progress they hoped that vigorous research on an improved system, having a standard of definition approaching that of the cinema and possibly incorporating color and stereoscopic effects, would be pursued with the intention that, when the new system was available, it should be introduced side by side with the existing system and eventually replace it. Finally the Committee discussed the financing of the television service, the aim being to make it self-supporting as soon as possible.

These are the recommendations which the British Government have accepted. It will not fall to the BBC, with the guid-

ance of an Advisory Committee, to carry out the work. It is inevitable, of course, that television should be compared with the cinema. Technically the definition of a cinema picture is far greater than a 405 line television picture, but on the other hand television has an actuality value which is lacking in the cinema. Moreover it is available in one's own home by the turn of a switch.

### Problems

The problem which confronted the BBC and the radio trade before the war will certainly confront them again. The number of television receivers sold in the London area before the war was about 30,000. Remembering that the Alexandra Palace station gave up a service up to a radius of about 40 miles embracing a population of some 10 millions, the number of those who bought receivers was small. Several reasons can be suggested for this slowness to buy on the part of the British public, but there were certainly two important ones. The first was that there was an unjustified air of experiment surrounding television. People were inclined to hold back until teething troubles had been overcome and until they thought that the service had been fully established. The second reason was the comparative high cost of a television receiving set. It is true that in 1939 receivers with a screen measuring about 7" by 5" and cost about \$100 were beginning to come on to the market, but a receiver with a screen of about 10" by 8", in my opinion a much more suitable size, cost about \$200 or more. This was a large sum for the British listener to spend, and he was unwilling to do so because he felt, quite wrongly that there was a doubt about the service being a permanent one and that there was a possibility that the set would become out of date in a very short time.

However, few of those who spent their money regretted their decision. Television was a nightly source of entertainment; it appealed to both grownups and children and its unique character took an increasing hold on those who participated in it. In passing I might mention that in my experience it was not easy to convert a doubtful purchaser by just one or two demonstrations. Visitors who came in to see the programs expressed great interest, but did not rush to their radio dealers the next day to play an order. Those, however, who eventually did so became confirmed television fans when they had had the set in their own homes for a week or so. This experience suggests that some kind of ex-

tended trial period in the home of the prospective purchaser will be necessary, at any rate, until television sets become more common than they are at present.

### Technical Standards

When television begins again in 1946 the British viewer will find that the service will not have changed because the technical standards will be the same as before the war. There will undoubtedly be developments in the design of television sets within the limits of the present standards. Pre-war receivers did not always make full use of the whole of the transmitted band width and the picture suffered accordingly. One looks forward to improved cathode ray tubes, more reliable components, larger screens, and perhaps the application of miniaturization to enable the overall size of television sets to be made smaller without reducing the size of the picture. There are many difficulties to be overcome in extending television to the provincial cities.

### Question of Costs

Apart from technical problems, the over-riding question associated with television is cost. In Great Britain we consider, as a yardstick, that everything connected with television, programs, equipment, number of staff and so on, is ten to fifteen times as expensive as the equivalent requirement for sound broadcasting. Before the war, the BBC operated sound broadcasting and television with the income received from receiving licenses which all listeners have to have. During the war, special arrangements were made and the BBC was financed by grants voted by Parliament. No decision as yet been made on post-war finance, but whatever is done provision for meeting the cost of television must be included. The Hankey Committee recommended that the aim should be to make television self-supporting as early as possible, but they felt that the precise manner by which this was to be achieved was one for further consideration. There is certainly some hard thinking to be done on this subject. The pre-war television frequencies were 45Mc/s for vision and 41.5Mc/s for sound. It is our intention to restart the service on the same frequencies so that no changes will be necessary to the receivers already in the hands of the public. When an improved system is introduced, higher frequencies will be used. Vigorous steps are being taken to overcome electrical interference with reception and it is hoped that there will soon be legislative powers to enforce suppression.



# Television Ready For Biggest Year

By JOHN F. ROYAL, V.-P. in Charge of Television, NBC

TELEVISION is fast shaping up for its biggest year. Programmers are readying for the day when 28 hours of telecasting a week will be routine. Receiver manufacturers are gearing up for the largest sale of sets in the industry's history. Hundreds of new groups—advertising agencies, sponsors, cooperating groups—either now are in television or preparing to enter it soon. Networks and stations are recruiting personnel for jobs in an expanded industry—an industry that will doubtless come nearer its full flowering in 1946 than in any year prior to this.

This is the status of television today: there is in existence a complete television system, capable of being flung across the nation to form a countrywide network. Black-and-white network television is no longer a dream. Telecasts between long distances have already been made and are out of the laboratory, experimental stage. There is a known system of television transmission, of television distribution, of television reception. Vast new electronic developments in transmission—like the RCA Image Orthicon camera—in distribution, like the Bell System's coaxial cable—and in reception—like the greatly enhanced black-and-white sets recently demonstrated by RCA—assure the viewer of greatly improved pictures comparing favorably with home movies.

Through television in 1946 we will become familiar with every gesture of our Congressman as he rises for debate on Capitol Hill, we will learn to know and respect our neighbors in other lands, we will see the televising of important news events, of great Broadway plays, of developments in science, in education.

Turn for a moment to two recent new program developments that will find their way to the television screen through the facilities of NBC's television station WNBT. Look first at the first permanent series of regularly-scheduled educational programs ever attempted in television. These are being produced in cooperation with the New York City Board of Education and stress the fields of physical

sciences. Groups of students and teachers each week witness these programs in our studios and comment upon them with an eye toward giving the broadcaster and the educator an indication of how the two agencies can cooperate.

Second of these new developments is the recent agreement made between NBC and the Dramatists Guild. This series, expected to start in the fall, will be titled "Broadway Preview" and will have a two-fold aim: to expand the market for new writers who otherwise would be unable to bring their plays to the attention of Broadway stage producers, and to provide needed material for television by good writers. Material—good material—is the bread-and-butter of any entertainment medium. Nowhere is this more true than in television—which will doubtless eat up material even faster than any of its predecessors in the entertainment field.

Under the agreement, NBC will televise plays written for Broadway production by members of the Dramatists Guild. Producers will be invited to attend these previews of plays by television.

With these immediate new developments—and a host of others in preparation—NBC Television is well-prepared to pioneer further and to expand its program operations. Last year, the station more than doubled its time on the air—jumping its weekly output from ten to twenty hours. This is more than twice as much as any other operating station in the country. This year, 1946, will see a steady accretion of program time which will reflect an increase in all three types of television broadcast techniques: studio, outside pickup and films.

The Dramatists Guild arrangement, as well as numerous other dramatic plans will bring an appreciable increase in variety, dramatic, and educational shows from the studio.

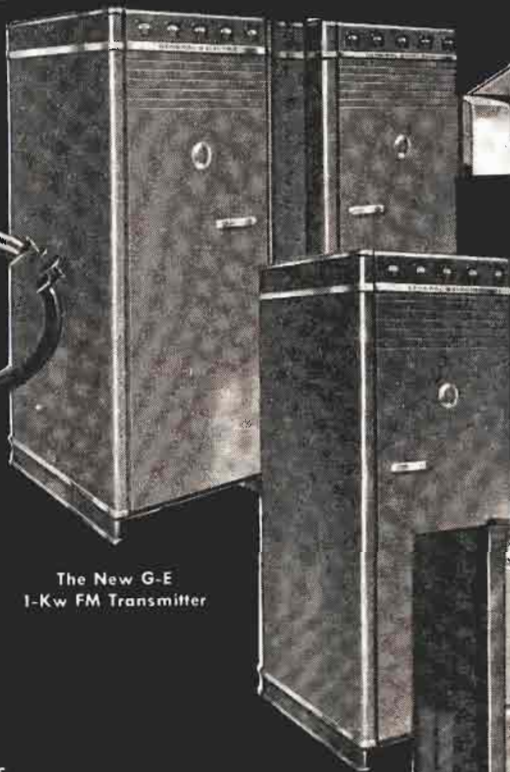
This is the outlook for the year 1946—the year that is certainly providing the springboard for the greatest activity in television this country has ever seen.



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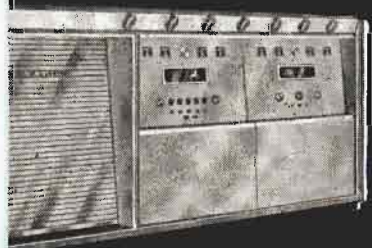
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# TELEVISION TALK

## A MODERN GLOSSARY

(Courtesy Caldwell-Clements, Inc.)

### A

**AMPLITUDE**—The magnitude of any quantity, particularly voltage or current.

**AMPLITUDE MODULATION**—The periodic variation of the voltage or current in a circuit in accordance with some signal being transmitted.

**ANTENNA**—An electrical circuit for radiating or receiving electromagnetic waves (radio).

**ASPECT RATIO**—The ratio of picture width to picture height. Now 4:3.

**AUDIO**—(I hear.) A term applied to any part of a radio or electrical system handling frequencies in the audible range.

### B

**BAND-PASS FILTER**—An electric circuit which will transmit frequencies between two limits and reject others outside those limits.

**BANDWIDTH**—The number of cycles per second required to convey the information being transmitted either visual or aural.

**BLACKER-THAN-BLACK**—A portion of the television signal devoted to synchronizing. These synchronizing signals are transmitted at a higher power than the blackest part of the picture, so that they will not appear on the screen.

**BLANKING**—The process of cutting off the cathode ray during the time it is not forming a part of the picture. This occurs when the spot returns from the far right to begin the next line and from top to bottom to the top of the picture.

**BLOCKING OSCILLATOR**—A type of oscillator which generates intermittent signals used for scanning in cathode ray tube.

**BLOOM**—The condition of overall bright illumination of the picture tube obscuring any picture detail.

**BOOSTER ANODE**—A conductive coating placed inside a cathode-ray tube near the screen and because of a high positive voltage applied to it, causes a brighter picture.

**BRIGHTNESS CONTROL**—A control on the receiver for regulating the overall brightness of the picture.

### C

**CAMERA TUBE**—The electron tube used to translate a scene into electrical impulses.

**CARRIER**—The term applied to the high frequency radio wave which is modulated by the audio and video signals.

**CATHODE**—The electrode in a tube from which electrons are obtained, usually by heating or by photoelectric effects.

**CATHODE RAY TUBE**—An electron tube in which streams of electrons from a cathode are formed into a pencil-like beam and directed by means of electric or magnetic fields over a target, usually a fluorescent screen which glows wherever the beam strikes.

**CHARACTERISTIC IMPEDANCE**—The input impedance of a transmission line infinitely long or a short line terminated in its characteristic impedance. The impedance is independent of length and depends on size of conductor and spacing.

**CLIPPER**—A circuit used to separate signals of different amplitudes. In television these circuits are used to separate the synchronizing pulses to the video and signal.

**COAXIAL CABLE**—A particular type of cable capable of passing a wide range of frequencies without the usual prohibitive losses. Such a cable in its simplest form consists of a hollow metallic conductor with a single wire accurately confined along the center of the hollow conductor.

**CONTRAST**—This refers to the ratio of black to white portions of a picture. Pictures having high contrast have very deep blacks and brilliant whites, while a picture with low contrast has an overall gray appearance.

**CONTRAST CONTROL**—A control on the receiver which regulates the video signal strength. This has the effect of changing the ratio of the black and white portions of the picture. It corresponds to the volume control in an aural receiver. is performed.



**CONTROL ROOM**—Studio facilities from which television cameras, lighting, shading and mixing is performed.

**CYCLE**—One complete set of values in any series of phenomena which repeats periodically. In radio this usually refers to one complete range of values for either voltage or current.

**D**

**DAMPING CIRCUITS**—These circuits are used to prevent high voltages from being induced in the deflection coils when the current changes suddenly.

**DC RESTORER**—This circuit regulates the average brightness of the television picture tube to correspond with the average brightness of the scene being transmitted.

**DC TRANSMISSION**—This term applies to circuits which will pass zero frequency.

**DEFLECTION**—The movement of the cathode ray beam by electric or magnetic fields.

**DEFLECTION YOKE**—The combination of coils used to direct the cathode ray up-and-down and right-and-left to form the image.

**DELAY SCREEN**—A fluorescent screen used in cathode ray tubes, which has the property of phosphorescence. The light intensity of any particular spot dies out gradually after the ray moves to a new position when this material is used.

**DIFFERENTIATING CIRCUITS**—These circuits respond to the rate of change of a pulse and are used in synchronizing the receiver scanning.

**DIODE**—A vacuum tube having two elements, one of which emits electrons (the cathode) and the other the anode. It is used for rectification (detection), that is the conversion of alternating currents into direct currents.

**DIPOLE ANTENNA**—An antenna consisting of two conductors, usually of equal length extending in the same straight line, with a pair of lead or feeder wires connected at or near the inner ends, is known as a doublet. For short waves the physical dimensions are such that self-supporting metal rods or tubes can be used.

**DIRECTOR**—A section of an antenna used to increase the pick-up from the side on which the director is placed.

**DISSECTOR TUBE**—The special type of television tube used in the pick-up camera in the Farnsworth system.

**DISTORTION**—Any change in the original frequency, amplitude or phase of a radio signal.

**DIVERGENCE**—The spreading of a cathode ray stream due primarily to the mutual repulsion between the electrons that compose it. The function of the focusing arrangement in the tube is to counteract this effect.

**DOLLY**—The movable stand upon which the television camera is mounted.

**DOUBLE SIDE BAND**—When a carrier is modulated by a plurality of signal frequencies, two distinct bands of frequencies appear, due to the modulation process, one on each side of the carrier frequency.

**E**

**ELECTRODE**—A metallic conductor introduced into a vacuum tube for a specific purpose. It must be electrically connected to the external circuit. In general each electrode is referred to by its specific use, such a cathode, grid, anode, etc.

**ELECTROMAGNETIC FOCUSING**—A system in which magnetic fields parallel to the motion of the electrons are used to confine them to a narrow beam.

**ELECTRON GUN**—That part of a cathode ray tube in which the electrons are emitted, formed into a beam and deflected.

**ELECTRON LENS**—A systematic arrangement of electromagnetic or electrostatic fields, having symmetry about the axis of a cathode ray tube, as to their radial components, established for the purpose of controlling the divergence and convergence of the electron ray.

**ELECTRON MULTIPLIER**—An evacuated amplified tube in which one or more anodes have photoelectric surfaces which are exceedingly active as to secondary emission. The original electron emission is cascaded by the secondary effects.

**ELECTRON TUBE**—A device employing a cathode, an anode and possibly additional electrodes for controlling the volume and direction of flow of electrons which constitute electric current.

**ELECTROSTATIC FOCUSING**—A system in which electric fields are employed to confine the electrons into a thin stream.

**EMISSION**—The continuous liberation of electrically charged particles, either ions or electrons, into space (usually evacuated) from a surface. The most important case practically is where these particles are negatively charged, i.e., electrons.

**EQUALIZING PULSES**—These are signals transmitted after each vertical synchronizing pulse to insure correct start of horizontal sweep circuit.

## F

**FACSIMILE TRANSMISSION**—The electrical transmission over wires or radio circuits of printed records and pictures. While this term originally referred to black-and-white reproductions only, it is now considered to include processes producing half-tone and shaded effects as well.

**FADE-OUT**—A camera technique in which a scene is gradually dimmed from view.

**FIDELITY**—The faithfulness with which a system reproduces audio or video signals.

**FIELD**—This term refers to one set of scanning lines making up a part of the final picture. In present standards, pictures are transmitted in two fields of 262½ lines which are interlaced to form 30 complete frames per second.

**FLUORESCENT SCREEN**—A chemical coating on the inside of a cathode ray tube which emits light at the point where a cathode ray beam strikes.

**FLYBACK**—In scanning, the spot is moved across the screen at a definite rate in one direction for each scanning line, thereupon, it is necessary to restore it to start of the next line in a very short interval of time, say three or four millionths of a second. This return time is termed flyback.

**FOCUS**—In a cathode ray tube this refers to the size of spot of light on the screen. The tube is said to be focused when the spot is smallest. This term also refers to the optical focusing of the camera lenses.

**FRAME**—One of a series of complete pictures that are successively viewed so as to simulate moving scenes.

**FRAME FREQUENCY**—The rate at which frames are sent each second in the various moving picture and television applications.

**FRAMING CONTROL**—This control on a receiver adjusts the picture repeat rate to that of the transmitter. It is also called the vertical hold control.

**FREQUENCY**—A term applied to the rate of repetition of voltage or current or other periodic functions.

**FREQUENCY MODULATION**—A process by which the carrier frequency is modulated in accordance with the information to be transmitted.

**FUNDAMENTAL**—The basic frequency of a wave or sound. It is sometimes referred to as the "first" harmonic.

## G

**GAS-FILLED TRIODE**—A type of vacuum tube in which the elements operate in an atmosphere of gas, such as mercury, argon, helium, etc.

**GHOST**—A secondary picture formed on a television receiver because the signal from the transmitter reaches the antenna by more than one path. Ghosts are usually caused by the radio signal being reflected from objects within approximately one mile of the receiver antenna.

## H

**HALATION**—The ring of illumination which surrounds the point at which the electron beam strikes the fluorescent screen.

**HALFTONE**—A method whereby photographs having various degrees of lights and shadows can be reproduced in ordinary printing, using a system of dots which are substantially undistinguishable to the unaided eye. However, the dots are graded as to size or density so as to produce the highlights and shadows of the pictures.

**HARMONICS**—In electrical and radio circuits the fundamental current waves are usually accompanied by others whose frequencies are equal to some whole number multiple of that fundamental. These multiples are also called harmonics.

**HEAVISIDE LAYER**—The ionosphere. A region of ionized air some fifty miles above the surface of the earth. Its lower boundary acts as a reflective surface or "mirror" for radio waves. Rapid changes in the height of this lower boundary and its contour causes much of the radio interference and fading.

**HETERODYNING**—The process of changing frequency by combining the received signals with the output of an oscillator tube in the receiver.

**HORIZONTAL CENTERING**—The position of the picture with respect to the axis of the cathode ray tube. This is accomplished by a control on the receiver.

**HORIZONTAL HOLD CONTROL**—A control on the receiver for adjusting the number of lines per second to correspond with that of the transmitter.

I

**ICONOSCOPE**—A designation used by RCA for a particular type of cathode ray tube developed for the purpose of picking up the scenes to be televised. It is the essential part of a studio camera.

**IMAGE DISSECTOR**—A television camera tube developed by P. T. Farnsworth in which the photoelectrons are moved past pickup aperture by deflection circuits.

**INTEGRATING CIRCUITS**—Circuits used to add up the energy of a number of repeated pulses. These circuits are used in the receiver for synchronization.

**INTERFERENCE**—Random electrical signals which cause noise in the audio system and disrupt the picture in television. This includes automobile-ignition impulses, some diathermy apparatus, neon signs, etc.

**INTERLACING**—A system whereby the odd numbered lines and the even numbered lines of a picture are sent as two separate fields and superimposed to create one frame or complete picture.

**ION SPOT**—A discoloration on the center of the screen of a cathode ray tube caused by heavy negative ions striking it.

K

**KERR CELL**—A chemical solution which changes its light transmission characteristics when electric fields are applied to the solution. An early form of a television reproducer system no longer used.

**KEYSTONE EFFECT**—A distorted field or background noticed in some cases with television pictures, where the opposite edges are not parallel.

**KINESCOPE**—A name applied to the cathode ray tubes used in the television receivers built by RCA.

L

**LENS**—A radial field (electrostatic or magnetic) applied concentric with a cathode ray to concentrate the diverging electrons into a single slender beam, is called a lens.

**LINE**—The path covered by the moving electron spot. The intensity of the spot along this path is altered to create that portion of the picture. In present system 525 lines make up the complete picture.

**LINEARITY**—A term used to refer to the straightness of a characteristic curve, or a portion of that curve, that shows the relation between two quantities or circuit factors. The uniformity of distribution of a regular pattern on a picture tube.

**LINE FREQUENCY**—The number of lines scanned each second. In any system it is equal to the number of scanning lines per frame, multiplied by the framing frequency.

**LINE OF SIGHT**—A straight, unobstructed path between two points.

**LIVE TALENT**—"On-the-spot" televising of events and people in contrast to transmission of film material.

**LUMEN**—A lumen is a unit of light flux. A foot-candle is equal to the illumination that falls on a screen that is placed one foot away from a standard candlepower. One foot-candle is equal to the lumen per square foot of surface.

M

**MEGACYCLE**—A total of one million cycles.

**MICROPHONE BOOM**—The arm which carries the microphone above the area being televised.

**MICROWAVE**—This term generally refers to radio waves having a wavelength of less than one meter, that is, one having a frequency greater than 300 megacycles.

**MODULATION**—A process of altering the amplitude, phase or frequency of a radio carrier in accordance with the information to be transmitted.

**MODULATION GRID**—An electrode interposed between the cathode and focusing electrodes in a cathode ray tube, to control the amount of emission and thereby the brilliance of the spot. This controlling effect is produced by altering the voltage of this grid with respect to the cathode.

**MONITORING**—The technique of controlling, at the transmitter, the picture shading, and other factors involved in the transmission of both the scene and the accompanying sound.

**MONOSCOPE**—A television camera tube which contains a simple picture or pattern used for test purposes.

**MOSAIC**—The screen used in an Iconoscope so called due to its similarity to that form of art wherein a great many bits of colored tile are combined so as to form a picture.

**MULTIGRAPH TRANSMISSION**—The condition in which the radio signal from the transmitter travels by more than one route to a receiver antenna usually because of reflections from obstacles. This condition usually results in ghost pictures.

N

**NEGATIVE GHOSTS**—Ghost pictures in which the black and white areas are opposite to those of the real picture.

**NEGATIVE TRANSMISSION**—This has to do with the polarity of transmission of a television signal, or the direction of modulation to produce the light and dark parts of the picture. In negative transmission a white area corresponds to a decrease in the carrier amplitude.

O

**ORTHICONOSCOPE**—A television camera tube combining some of the features of the image dissector and Iconoscope.

P

**PANNING**—(From panorama). A camera technique in which a large arc of the scene is shown by swinging the camera around a central point.

**PEAKING**—A technique of increasing the response of amplifiers at some particular range of frequencies.

**PEDESTAL**—A portion of the television video signal used to blank out the cathode ray beam as it flies back from the right edge of the picture to the left.

**PHASE**—A term used to designate the time relation between the maximum points of two recurrent electrical quantities such as voltage, current, etc. It is expressed in degrees of a circle, one complete revolution of which represents one cycle of one of the waves.

**PHASE SHIFT**—Any change in the phase relations of current or voltage.

**PHOTOELECTRIC EMISSION**—The phenomena of electrons being emitted from certain materials when they are exposed to light.

**PHOTOELECTRIC TUBE**—A tube in which electrons can flow to a charged anode when light falls on the tube causing emission.

**PICTURE ELEMENT**—A small section of a given scene as reproduced by the cathode ray spot at any instant.

**PICTURE NOISE**—Interference signals causing spots of light and other irregular patterns on the received picture.

**POLARIZATION**—A term usually applied to the position of the transmitting antenna, that is horizontal or vertical. The receiver antenna should correspond in most instances to that of the transmitter. At the present time horizontal polarization is standard.

**POSITIVE TRANSMISSION**—A television system in which maximum radiated power from the transmitter corresponds to maximum white area in the picture. Not used in this country.

R

**RADIO CHANNEL**—The "space" in the frequency spectrum allotted to each station. In present television standards the channel is 6 megacycles.

**RASTER**—A term applied to the group of lines appearing on the cathode ray tube in the absence of an incoming video signal.

**REFLECTOR**—A part of an antenna system used to prevent pick-up of signals in one direction and increase it in the opposite direction.

**RELAXATION OSCILLATOR**—A type of circuit which oscillates periodically. Used to generate scanning voltages.

**RETURN TRACE**—The lines on the cathode ray screen formed as the cathode ray beam moves back to its starting position.

S

*SAW-TOOTH*—A voltage or current whose variation with time follows a saw-tooth outline.

*SCANNING*—The process of forming a picture by a spot of light of changing intensity moving at high speed from left to right and in a sequence of rows or lines from top to bottom.

*SCANNING LINE*—One line from left to right of a picture being transmitted.

*SENSITIVITY*—A measure of the ability of a receiver or other device to produce a given output for a given input.

*SHADING*—The process of correcting the light distribution of the image produced by the television camera. This is a part of the station monitoring job.

*SIDE BANDS*—The groups of frequencies higher and lower than the carrier which contain the information being transmitted and produced by the process of modulation.

*SIGNAL*—The electrical impulses which represent the sound or picture elements being transmitted.

*SPECTRUM*—A band or range of frequencies.

*SPOT*—The light produced by the slender beam of electrons on the fluorescent screen.

*SWEEP*—The uniform motion of the electron beam across the face of the cathode ray tube.

*SYNCHRONIZATION*—The process of keeping the moving beam of electrons at the picture tube in the exact relative position with the scanning process at the transmitter.

T

*TELEVISION*—Literally, seeing at a distance. A system of transmitting a scene by dividing it, by a scanning process, into a great number of elemental areas and representing each area by an electrical signal. The electrical signals are received and used to control the intensity of a spot of light to correspond to the light and shade of each original picture area as the spot is moved over a screen, in synchronism with the scanning at the transmitter.

*TELEVISION CAMERA TUBE*—A cathode ray tube used to convert light and shade portions of a scene into electrical signals.

*TELEVISION PICTURE TUBE*—A cathode ray tube in which a picture being transmitted is recreated by a moving beam of electrons.

*TEST PATTERN*—A drawing containing a group of lines and circles, etc. transmitted for receiver and transmitter test purposes.

*TRAP*—A circuit used to reject unwanted signals.

*TRIMMER*—A device which permits a resonant circuit to be tuned over a limited frequency range.

V

*VESTIGIAL SIDE BAND TRANSMISSION*—A method of suppressing part of one side band to limit bandwidth requirements.

*VERTICAL CENTERING*—The control which regulates the position of the picture vertically on the screen.

*VERTICAL HOLD*—A control on the receiver to adjust the field rate of the scanning to that of the transmitter.

*VIDEO*—(I see.) The portion of the television signal which contains the picture information.

*VIEWING MIRROR*—A mirror used to reflect the image formed on the picture tube at a convenient viewing angle.

Y

*YOKE*—A set of coils used around the neck of a cathode ray tube to produce horizontal and vertical deflection of the electron beam.

# ***American Tele. Society Awards For 1943-4-5***

## **1943 PLAQUES**

- To WRGB, General Electric, Schenectady
- For the station contributing most to programming in 1942
- To WNBT, National Broadcasting Co., New York
- For the station contributing most to television as a public service

## **1944 PLAQUES**

- To WABD, DuMont, New York
- For the station contributing most to the art of commercial television
- To WRGB, General Electric, Schenectady
- For the station contributing most to the art of television programming
- To W6XYZ, Television Productions, Inc., Los Angeles
- Honorable mention for adaptation of motion picture techniques to television
- To Norman D. Waters, ATS President, 1941-1944
- Special Service Award

## **1945 PLAQUES**

- To Ruthrauff & Ryan, Inc., New York, for Lever Bros. show
- For the most consistent effort in developing effective television commercials
- To WNBT, National Broadcasting Co., New York
- For the most consistent sports programming
- For the outstanding television program, "Men in White,"  
directed by Ed Sobol
- To WCBW, Columbia Broadcasting Co., New York
- For the best educational program, "Opinions On Trial"
- For the outstanding news program, "CBS Newscast," with Everett Holles

## **1945 SPECIAL AWARDS**

- To WABD, DuMont, New York
- For the development of television commercially
- To W6XAO, Don Lee, Hollywood
- For making television facilities available for commercial development  
on the West Coast
- To WBKB, Balaban & Katz, Chicago
- For preparing the midwest for commercial television
- To Klaus Landsberg, W6XYZ, Television Productions, Inc., Los Angeles
- For constant technical excellence in television production
- To WRBG, General Electric, Schenectady
- For the best institutional commercial, "Conquest Over Darkness"
- For the outstanding contribution to children's programming
- To Paul Alley, WNBT, National Broadcasting Co., New York
- For the outstanding editing of news films, "The War As It Happens"
- To WPTZ, Philco, Philadelphia
- For developing football television technique
- To Paul Mowrey, American Broadcasting Co., New York
- For preparing the American Broadcasting Co. for television
- To Dan Halpin, ATS President, 1944-1945
- Special Service Award

# Television Acting Viewed by Expert

By DR. JOHN REICH, *Dir. of Video, Studio Dramatic Arts, N. Y.*

**T**HERE are two principal groups of radio actors today: a larger and younger group which grew up in radio and has little stage experience or none at all; and a smaller and older group which received its training on the legitimate stage, but has grown rusty in many years of radio work. The number of radio actors who are also active on stage and in pictures is small, indeed.

Television today is like a theater an hour before the performance: Money in hand, the audience is waiting to obtain seats. The technicians are ready. The stage is set. As yet the curtain is down, but already the cashier is lighting the box office. Sooner than the public expects, the play will begin—only to reveal the inadequacy of the actors.

## Situation Analyzed

The present situation of the radio actors is not as bad as was the plight of the silent picture actors when sound was introduced; for unlike the silent film, the old, blind, simple medium will continue alongside the new, visual complex one. Yet there are similarities between screen players then and radio players now. Just as some silent picture stars were not really actors but merely photographic models, so many radio performers today are not actors but merely "voices." Then as now, the advent of the new medium favored those who had learned their profession the hard way: on the legitimate stage. Television's coming of age will force radio "voices" to study acting, or else restrict them forever to the narrowing confines of sound broadcasting alone.

## New Skills Needed

Whereas radio's dramatic performers can use in television little more than a certain intimacy of speech and a sense of timing, they have to acquire new skills which cannot be mastered overnight. The radio "voice" must develop into an actor who "acts all over," i.e. with his emotion, his intellect, his body, and his voice. The television actor's principal skills to be acquired through careful instruction and constant practice are: Memorization, physical behavior, concentration, imagination, observation, co-ordination, and communion.

The first time the radio player sur-

renders his script and starts acting, he feels like a student of swimming when the teacher slackens the rope: Reproducing every speech from memory seems as difficult as remaining afloat. Not only are there one's own lines to memorize, but also many of the partners as well as gestures, movements, the handling of props and costumes. Like every serious student of acting, the radio player soon finds out that it is not a part the way he learned a poem or geography lesson at school. Those actors who claim they knew their lines at home but cannot remember them on the stage are not lying. The strain which results from being watched by colleagues and directors, together with the manifold distractions in the studio, account for a considerable loss in the memory's efficiency. Only with a 150 per cent sure-fire memorization can proper performance of the memory be assured.

## Physical Attitude Important

For his characterizations the radio player need not develop a physical attitude beyond watching his distance from the microphone. In television he is faced with the task of making his body both receptive and suggestive of thought and emotion. The sheer physical task is considerable. He must learn how to sit, to stand, to walk gracefully, to be well poised and balanced in every movement as seen from every angle. Unlike the human spectator, the television camera checks up on the placing of the feet, the gesture of the hand, the carriage of head and shoulders. The "voice" turned actor needs to acquire a sense of space, the ability of maneuvering between pieces of furniture and of expertly handling objects which seem like as many gremlins to the beginner. And all these requirements are only preliminary to the creation of behavior patterns not one's own, but suggestive of a character in a play. More specifically, television's standards of physical behavior are set not only by the actor's expressive body and by the requirements of his part, but also by certain studio conditions which vary not only with the studio but also with each program at the same studio. Thus, the actor's performance may be influenced



by the number and position of cameras and floor lights, the nature of the preceding and following programs, the size and number of locations, and the size and number of studios available for the production.

### Concentration Essential

Reading a well-typed script to a microphone in a comfortable sound studio is one thing; living a part before the cameras under the pressure of time and technical difficulties, is another. Only the exercise of full concentration can insure good video acting. Any scattering of concentration may produce a derailment of the actor's train of memory which cannot be rightened because there is no prompter. The player in television has to maintain his concentration despite many distractions of both an acoustical and a visual nature. The sound and music on the floor, whispered conversation in the corner, and the signal language of the floor manager; the ever-shifting cameras and individual lights; the cramped space and the (now improving) heat from the lamps: all that makes it hard, especially for radio actors, to maintain the artistic discipline so necessary for the delivery of their parts. While following prearranged directions, signals on the floor and, to a certain extent, the movements of all cameras, the performer must at all times stay completely in character, either in his own or in the one suggested by the author.

### Imagination, Observation Needed

In a blind medium which tends to characterize by voice and diction only, the radio actor's imagination is often content to suggest barely the speech habits of a dramatic character. In training for television, the broadcaster needs to develop his powers of imagination and observation in order to create all the physical aspects of a dramatic character: facial expression, posture, movement, gesture, attire, and the mode of handling properties. These physical aspects must be closely integrated with the character's speech and inner life. The radio actor has to learn how to create an image derived from the playwright's material and his own sum of instinctive and experienced emotions. Then he must transform himself into that image, so that the character's situations, objectives, and adaptations become his own. Seasoned with selected bits of observed reality, the imaginative approach by which the actor puts himself into the character's place, will make for honest and natural television acting. Radio's speech clichés will not work in television because the new medium exposes any insincerity of emoting, any crude pretension to being somebody else. If the actor lives the part, he

will forget his own stage fright and all the distractions around him. Only then will the camera be his friend.

### "Motor Responses" A Factor

The radio actor is not obliged to heed certain laws of psychophysics to which we are subject in our daily lives and which must be recreated in truthful acting. Because of his nearness to the reality of the viewer's home, the video actor—more than the stage actor—must learn how certain motor responses precede speech and how a sudden shock may freeze it. He must be able to reproduce that perfect co-ordination of emotion, thought, speech, and physical reaction which we easily possess in our daily lives but which is so difficult to obtain in acting. Because of the viewer's nearness to the set, and because of the frequent camera closeups, every flaw in the actor's co-ordination is easily detected on the home screen.

### Must Forget Mike

The average radio actor's real partner is the microphone. Most of the time he addresses that static little machine and gives but scant attention to the members of the cast. A radio performer of this type cannot become a good television actor unless he learns the art of communion; for by a constant stream of give and take the video actor, even more than the stage performer, keeps in ever-changing rapport with an animate or inanimate partner. The statement that the theater calls for action, the screen for reaction applies also to the television screen. The better the video player's nervous system is attuned to that of his partner or else pitched against it, the more convincingly will his reaction register on the magic tube. To be most effective, this communion of actor and partners must be physical, mental, emotional.

### Actors Must "Think"

Some radio actors will soon find out how dangerous television is to those who speak without thinking and think without feeling. The finest speech, the most graceful gesture, the keenest mind will fail to please unless the actor also exhibits an essential human quality of his own. Not only must he play the instrument of his personality with expert co-ordination; his personality must be a fine instrument. On the screen a face which fails to reflect an ever-changing kaleidoscope of thought and emotion like a still picture can hold attention only for three seconds. If radio actors can be made to act not from the depth of their voices but from the depth of their hearts, television may give us what the movies so rarely offer: a face mirroring a great emotion, a body transparent with the soul shining through.



# Chicago And Its Television Future

By *BILL IRVIN*, Staff Correspondent, *RADIO DAILY*

"CHICAGO has a television future if it realizes it. It has every possibility New York has for becoming a tele center. It just got started a little later, that's all. With the advent of a few hundred more tele receivers in Chicago we'll be in the big time in television here."

In those words no less an authority than William C. Eddy, director of television and FM for Balaban and Katz, sums up the Chicago television outlook. In his capacity as B&K tele director, Bill Eddy supervises tele station WBKB with a daily schedule which adds up to approximately 11 operational hours weekly. A television pioneer and long noted for his wizardry in radio and electronics, Bill Eddy knows whereof he speaks when he predicts a bright outlook for television in Chicago. His words also command attention when he says:

"It's more logical for Chicago to be the television center of the country because of its geographical location."

Aside from the geographical factor, Eddy points out that Chicago has the vitality, the wherewithal and the talent to make it a television center.

"We have set our goal to be the biggest and most important television station in the country," says Eddy, speaking of his plans for WBKB. "We at B&K are showmen. Our angle is not selling receivers. We are going to be salesmen of shows. We're taking advantage of every possible thing to increase quality and standards of programs. We have found a marked increase in sponsor interest, and also a marked increase in the use of professional talent. In the near future 90 per cent of the shows over WBKB will be commercial."

In line with his announced objective of making WBKB the biggest and most important tele station in the country, and indicative of his faith in Chicago's future place in television, Bill Eddy took the first step in his wide-scale expansion program for WBKB immediately after his retirement from the Navy a couple of months ago with the rank of captain. Until he put away his Navy

blues for the second time, the job of helping to make Chicago a television center second to none had had to wait while Bill Eddy finished his wartime job of training three-quarters of a million American boys in the intricacies of radar. His efforts after Pearl Harbor to get back into the Navy a second time met with repeated failure because of several physical defects, including deafness. It was the deafness, incurred during experimental depth diving tests after his graduation from the U. S. Naval Academy at Annapolis, that caused a naval board to put him on the retired list in 1932. It was his suggestion, however, that the navy needed a radar training center which finally paved the way for his return to navy blues for the second time.

Eddy's first move after returning to his civilian job at WBKB was to add a new hour-long program to its daily schedule, Mondays through Fridays. The time period is devoted mainly to experimental commercial and sustaining shows, with emphasis on spot plugs. The new period was added primarily to aid manufacturers in the Chicago area in the development of new type receivers. Increased demands for time as a result of greater agency interest in the development of new video programming techniques also was a factor, according to Eddy.

Another step taken by Eddy was the signing of a five-year pact between B&K and the management of the Chicago Coliseum for the exclusive televising by WBKB of all events taking place there during the next five years, particularly sports events such as ice shows, prize fights, basketball tourneys, roller derbies and wrestling matches.

Further assurance of Chicago's future dominant role in television is found in the FCC's allotment to the city of seven tele channels. As one television executive pointed out, that action by the FCC is a "challenge to Chicago to be a major television center."

Chicago also is a major link in a proposed television network in the middle west, the first step in the establishment of which the American Telephone and Telegraph Company recently took with the filing of applications with the FCC for authorization to build and operate micro-wave relay stations which would link the Windy City with Milwaukee. Such a system would cost approximately \$500,000 and, in the event of favorable FCC action on the applications, would probably be ready for tests early in 1947. Terminals of the system would be the Illinois Bell Telephone Company's long distance center in Chicago and the Wisconsin Telephone Company's toll building in Milwaukee. Three radio repeater stations would be built along the way, one near Barrington, Ill., another in Illinois but near Wilmot, Wis., and the third near Prospect, Wis. During the experimental period the system would be used for tele transmission in cooperation with tele station WMJT in Milwaukee and any other broadcaster who might be able to use the facilities.

Paul Mowery, director of television for the American Broadcasting Company, said that the network's plans for television activity in Chicago, while hinging on FCC action, are ready to be put into operation with the greatest possible speed.

"We are prepared to give television service in Chicago just as fast as possible," said Mr. Mowery.

How fast that will be is more a question of mechanics than training, he emphasized. The training of skilled television crews already is under way, so there will be no delay from the standpoint of competent personnel.

Station WGN long has had experimental television equipment on order. The date for starting such experimental operation, station officials said, depends wholly on when the equipment becomes available.

Marshall Field and Company, Chicago department store, has a post-war top priority for the purchase and installation of a General Electric tele system to be used as an intra-store selling and promotion medium. The Chicago store was the first to order a tele system of the non-commercial type. However, plans for the installation of the intra-store system have not yet been made. But store officials have indicated a strong interest in the possibilities of television as a sales medium. They believe it holds tremendous potentialities, both inside the store as a service to customers and outside as an advertising medium to consumers.

FOR PHONE LISTINGS—OF IMPORTANT  
TELEVISION NUMBERS IN N. Y.-  
LOS ANGELES-CHICAGO-WASHINGTON  
PLEASE TURN TO PAGES 100-107

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# TELEVISION HIGHLIGHTS—1945

(From the Files of RADIO DAILY)

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*A review of the past year's television events indicates the tremendous possibilities of the sight-and-sound medium. Increasing momentum is evident from the upward surge of activity reported in the columns of RADIO DAILY.*

## JANUARY

- 10—Keen interest in television as an important factor in displaying and merchandising goods as leaders in the industry discussed its various phases at the National Retail Dry Goods Association convention in New York.
- 12—A last minute request for permission to televise the inauguration of President Roosevelt was turned down by the White House because arrangements for press, radio and pix coverage had already been worked out.
- 16—Slicing by one-third the number of six-megacycle channels for television, the FCC announced that it believed the current monochrome service should not be scrapped on the promise that a new color tele system would someday be ready. Instead of the present 18 channels below 294 megacycles, there would be 12 according to the allocation system announced by the commission. These channels would be shared with non-interfering services.
- 17—Approval of the action by the FCC in its "decision favoring the continuance of commercial television in that portion of the spectrum currently used by television broadcasters" was voiced by J. R. Poppele, president of Television Broadcasters Association.
- 22—Tele and FM applications will not be served on a "first come, first served" basis, FCC Chairman Paul A. Porter told the FCC Bar Association.
- 26—Robert L. Gibson, vice-president and member of the board of directors of TBA resigned because his firm, GE, had shifted him to another department in the company. F. J. Bingley, chief television engineer for Philco, and a TBA board member was elected to the post of vice-president. The board vacancy was not filled.
- 30—At a meeting of Canadian Broadcasting Corp. governors, Dr. Augustin Frigon, general manager, in discussing television prospects in Canada, said that CBC had obtained a site in Toronto for the purpose of building a television station and, he added,

that other stations would be established across Canada in due time.

## FEBRUARY

- 2—Juan Trippe, Pan-American World Airways president announced the sponsorship of a new 15-minute world-travelogue television show titled, "Wings of Democracy."
- 7—Forecasting the possibilities of subscription television as a method of creating "box-office" for video, Arthur Levey, president of Scopphony Corp. of America, announced that SCA was contemplating production of home tele receivers for that purpose.
- 9—Technical employers of CBS were accorded the privilege of attending a special 60-week course in the operation of television studio and transmitter equipment beginning Feb. 12. Arranged in three 20-week segments, the tripartite course was given by the Division of General Education and College of Engineering of NYU under the direction of Dr. Peter Goldmark, CBS director of engineering research and development department, and Robert Serrell, member of CBS' television engineering operations, assisted by Mason Escher, technical staffer representing the IBEW.
- 14—Development of a new television technique known as "Tele-Minatures" affording greater speed in production and increased economy, was announced by Patrick Michael Cunning, head of P. M. Cunning Tele. Products.
- 19—Newsreels and television were on an equal footing insofar as release dates of footage from the War Department was concerned. Only reason the tele pool received War Department footage later than the newsreel pool was that the department, in order to speed handling, did not copy the film itself.
- 20—Television, discontinued in Great Britain shortly after the start of the war, was resumed on a private-showing basis.
- 23—Maintaining their position that only the use of wide bands in the higher frequencies could provide television pictures with twice

the detail of television sets operating on pre-war standards, CBS filed a brief with the FCC.

- 27—Blue Network inaugurated television from New York in addition to launching its regular schedule of tele broadcasts with programs from Schenectady. This advent marked the first time a broadcasting company originated and presented regularly broadcast network programs over more than one station.

### MARCH

- 2—Col. William A. Roberts, appearing for TBA, presented the FCC with a suggested plan for allocation of television facilities in the major market areas of the country to provide at least 398 stations. This plan was designed to utilize the 12 six-megacycle channels proposed for commercial sale.
- 6—First web V-E Day planning was announced by the Blue Network when it revealed that arrangements had been made with the Du Mont Television Laboratories for the use of the entire facilities of WABD for tele broadcasts on victory day in Europe.
- 13—Formation of a company to produce films exclusively for television was announced by the Bond-Charteris Enterprises. The films, to be commercially sponsored, deal primarily with visualization of products for inclusion in televised advertisements. Other tele products will include 15 to 30-minute packaged television entertainments.
- 15—RCA showed a postwar model television receiver which projects an image of 16 x 21-1/3 inches and with FM and standard broadcast receiving facilities which will cost approximately \$395. The new receiver was a decided improvement over the pre-war sets, and displayed an image of brilliance and clarity indicative of the progress made in electronic research.
- 19—Applications for licenses to construct and operate a national network of television and broadcasting stations to be linked via microwave, were filed on March 15 with the FCC by the Raytheon Mfg. Co., a subsidiary of the Raytheon Products Corp. of Boston, manufacturers of radio and tele equipment.
- 23—DuMont Laboratories highlighted their entertainment of the Television Broadcasters Association with a private showing of a new 20-inch cathode ray tube which had a flat surface and produced a direct view tele image 18 x 13½ inches.
- 26—Addressing a joint meeting of the American Institute of Electrical Engineers and the Institute of Electrical Engineers, Dr. C. B. Jelfie, head of RCA Laboratories envisaged television as a five to ten billion dollar enterprise which would revolutionize the present way of life.
- 27—CBS stockholders were advised that the corporation had contracted with Federal Telephone and Radio Corp., for the first experimental transmitter for use in color transmission.

- 28—Television Producers Association adopted a standard form of television script along with a standard cue sheet, the latter using a three-column method.

### APRIL

- 1—Twentieth Century-Fox leased from General Television Corp., the inactive tele station, WIXBG, Boston. The film company asked for an experimental license to operate the station. Plans include programming and the use of sound films for entertainment purposes.
- 2—Commercial sponsorship of the time breaks on the special V-E Day television programs of the Blue Network on WABD, was announced by Paul B. Mowry, manager of the web's tele department. Sponsor will be Waltham Watch Co.
- 11—Considered the first French-American program in television history, CBS tele station WCBW televised "Soldiers Without Uniforms," a drama based on the Paris resistance movement obtained from material brought to this country by Pierre Schaeffer and Pierre Garrigues, representatives of the French Broadcasting Service.
- 17—First multiple-relay television network in the world linking two major cities was proven technically practical in a demonstration between Washington and Philadelphia. This scientific demonstration revealed that it is entirely practical and possible to connect distant cities for television by a series of micro-wave tele relay transmitters.
- 26—John Ballantine, president of Philco Corp., announced that all Philco telecasting activities would be brought under one head. Ernest B. Loveman was appointed vice-president in charge and with the formation of the television broadcasting division of Philco Radio and Television Corp., every phase of the activity would be centralized under Loveman.

### MAY

- 1—Paul L. Chamberlain, GE sales exec. told the Ad Club of Boston at a luncheon that television will supplement other forms of advertising to maintain the national income needed to keep American workmen on the job, and that a new dimension will be added to home entertainment which will provide one of the most powerful advertising media ever developed.
- 7—Bell System of the AT & T expects that some 2,000 miles of coaxial cable suitable for television and other long distance transmission will have been manufactured by the end of 1945 and that at least three-fourths of this cable mileage will be under ground by the same time.
- 15—Speaking before the Society of Motion Picture Engineers, Ralph B. Austrian, executive vice-president of RKO Television Corp.,