

# HEINL RADIO BUSINESS LETTER

INSURANCE BUILDING

WASHINGTON, D. C.

ISSUED TWICE A WEEK AND CONTAINING THE LATEST INFORMATION REGARDING THE RULINGS OF THE FEDERAL RADIO COMMISSION, RADIO LEGISLATION, DEPARTMENT OF COMMERCE REGULATIONS, CHANGES IN WAVELENGTH, CALL LETTERS AND POWER, PATENTS, EXPORTS, FEDERAL TRADE COMMISSION RULINGS AND OTHER MATTERS OF INTEREST TO BROADCASTERS AND MANUFACTURERS. :: :: **CONFIDENTIAL—NOT FOR PUBLICATION.** :: ::

RECEIVED



SEP 26 1931  
FEDERAL BUREAU OF INVESTIGATION

National Broadcasting Company, Inc.

GENERAL LIBRARY

711 Fifth Avenue, New York, N. Y.

INDEX TO ISSUE OF SEPTEMBER 21, 1931.

Grateful Set Owner Thanks Mr. Kent.....	2
Chicago Trade Show Changed To January.....	2
Radio Broadcast Advertising In Latin America Surveyed.....	3
Chicago Station Credited With First Electrical Recording.....	4
Hearing On WABC Application For Booster Station Scheduled.....	4
David Sarnoff To Open Radio Show.....	5
Facilities Urged For Iron Mine Area.....	6
Radio Payrolls Increase.....	6
Wholesale Dealers Report For Second Quarter.....	7
New Victor Disks Run For Half Hour.....	8
Arcturus Announces New '30 Series D.C. Tubes.....	8
RMA Fall Work Begins.....	9
Commission Officially Adopts Census Figures.....	10
Business Letter Briefs.....	13

No. 471

SUBSCRIPTION PRICE, \$10. PER MONTH. NO CONTRACT REQUIRED.

## GRATEFUL SET OWNER THANKS MR. KENT

"Gratitude", William Sulzer, former Governor of New York, whose political career ended so tragically, once said to this writer, "is a rare flower." Yet there are doubtless more grateful people in the world than we realize as will be seen by a letter A. Atwater Kent received recently. Most persons would have considered their obligation fulfilled when they paid the price of a radio, especially if the money had been earned with difficulty, but this young man wrote Mr. Kent:

"On September 9, 1930, I bought an Atwater Kent radio set. For two years previous to that happy occasion, I wanted to own a radio but I could not afford one, as I am a small wage earner. I gave up smoking, I stopped eating breakfast, my family cooperated by stopping the movies and finally the day arrived when I was in a position to realize my dream.

"I wanted to buy a radio to play the best and give me the least trouble and expense as I could not afford to pay for repairs. It is just one year since I bought your radio set. I am glad to say that my judgment was right. In the past year I have not spent a cent - no blowing tubes, no other trouble. It plays today as good as the first day I bought it.

"My family and I wish to thank you for the many, many happy hours we enjoyed listening to the wonderful set."

X X X X X X

## CHICAGO TRADE SHOW CHANGED TO JANUARY

The following telegram has been received from Arthur Stringer in New York:

"In denial of rumor that has reached us that the Chicago radio-electrical show will not be held, we are issuing the following story dated New York City September 18th:

"The Tenth Annual Chicago Radio-Electrical Show will be held in the Chicago Coliseum January 18-24th inclusive, 1932, it was announced today (Sept. 18).

"The Chicago Show is to be a combination trade and public show with hundreds of dealers and jobbers attending from all parts of the nation to view the new models which manufacturers bring forth after the turn of the year exactly as they will do next Monday, September 21st at the opening of the Eighth Annual New York Radio-Electrical Worlds Fair.

"The new arrangements meet present economic conditions as it is the most speedy method of getting new merchandise into distributive channels and thence into the hands of the consumer.

"The postponement of the Chicago Radio-Electrical Show to January 18th was made at the request of major radio set manufacturers, and in their opinion and that of the show management, this change in date will make the Chicago show of greater benefit to the trade and the consuming public."

X X X X X X

#### RADIO BROADCAST ADVERTISING IN LATIN AMERICA SURVEYED

The extent to which manufacturers and merchants in Latin American countries employ the radio to present their commodities and services to the buying public is revealed in a bulletin on broadcast advertising in those areas which the Commerce Department has just issued. The information embodied in the bulletin was submitted to the Department by its own representatives and consular officers in the respective countries surveyed.

With the exception of those that are Government-owned, practically all radio broadcasting stations in Latin America accept commercial advertising and derive their main income from this source. Unlike the usual practice in the United States, it is customary for Latin American broadcasting stations to provide the entertainment, rather than the advertisers. The American system of radio "hours" has been tried out in Argentina but has not been found suitable to the country. However, there are some large advertisers in that country which engage their own talent and conduct their own broadcasts.

Outside of Argentina and Mexico, programs of the great bulk of Latin American stations are made up of phonograph records. Argentina has the largest number of receiving sets of any Latin American country and elaborate programs are offered by its larger broadcasting stations. Orchestras especially skilled in rendering "National" music are frequently on the air and programs also include dramatic selections, addresses, recitations, etc. Mexico City stations also provide exceptionally good programs, including first-class singers and excellent bands and orchestras.

Brazilian broadcasts almost invariably consist of phonograph records. In Chile merchants use the radio to advertise such products as automobiles, household appliances, etc. In Venezuela the most important broadcasting station is owned by an American concern which employs a staff of entertainers under contract. Although all of the seventeen stations in Habana, Cuba, do some broadcast advertising, Cuban advertisers have not been very quick to make use of this form of publicity.

While radio advertising in Latin America has a long way to go before it arrives at the position enjoyed in the United States, it seems to be gaining impetus as increasing numbers of receiving sets are installed. Lack of variety of programs, it is pointed out, is a factor which impedes any marked development. Advertising rates for radio broadcasts vary widely in different countries and are ordinarily based on the quality of the program offered, the importance of the advertising firm, the amount of time involved, and of necessity on the extent of the potential radio audience.

X X X X X X

#### CHICAGO STATION CREDITED WITH FIRST ELECTRICAL RECORDING

Station WCRW, of Chicago, operated by Clinton R. White in the Embassy Hotel on the Gold Coast of Chicago, is referred to by "The City Beautiful" as being the first radio station in the country to avail itself of records.

"In the entire United States, WCRW was the first to successfully commercialize the electrically recorded program", "The City Beautiful" article goes on. "At first, like all new things, the recorded program came in for its share of criticism, and the usual 'doubting Thomases' said it was only temporary and would not last. Today, the electrically recorded program bids fair to become the most popular form of radio broadcasting. Recently some of our largest national advertisers have signed contracts for radio broadcasting via the recorded disc.

"A special studio is used for the reproduction of every conceivable kind of a record. These records are called by different names - some Electrical Transcriptions, Reproductions, and Gramophone Records. They are all reproduced, not on a phonograph as many people still believe, but on four specially constructed machines, called Vibraphones."

WCRW has a modern transmitter and has been on the air for five years.

X X X X X

#### HEARING ON WABC APPLICATION FOR BOOSTER STATION SCHEDULED

The application of the Columbia Broadcasting System for authority to build a 250-watt experimental "booster" station in Washington, D. C., synchronized on the wavelength of its key station WABC, in New York, on Sept. 18th was designated for hearing before the full Commission on October 19th, at which time opponents to the proposal also are to be given opportunity to present testimony. The request for a formal hearing was made by the Associated Broadcasters of America.

The Commission at the same time granted Station WABC a license to increase its power from 5,000 to 50,000 watts, following the issuance more than a year ago, of authority to this end, including a change in the location of its transmitter and the installation of new equipment.

X X X X X

#### DAVID SARNOFF TO OPEN RADIO SHOW

The Radio-Electrical World's Fair will be formally opened tonight when David Sarnoff, President of the Radio Corporation of America, will deliver the address of opening over the WJZ network.

A National trouble shooting competition to find the leading radio service man of the country is to be conducted during the entire week of the show by the Institute of Radio Service Men.

The National Broadcasting Company expects to make the chimes of Big Ben and the twelve strokes of midnight resound through the show rooms every night at 6 o'clock P.M. At other times programs from Europe may be heard by show visitors. Flashing lights, on a map ten feet wide, will indicate the country from which the program is being received.

The world's largest radio receiver will be another attraction in this booth. This receiver is a duplicate of one of the shortwave diversity receivers used at the experimental station of RCA Communications, Inc., at Riverhead, L. I., where trans-oceanic programs are picked up and conveyed to the studios for distribution to the networks. The huge receiver is a development of the RCA-Victor Company engineers.

The idea of the foreign broadcasts exhibit, according to O. B. Hanson, manager of plant operation and engineering, is to give visitors a notion of the wide scope of international broadcasting.

The first public demonstration of television images, ten feet in height, will have an equally modern musical accompaniment, for its "orchestra" will be Captain R. H. Ranger's new "electrical organ."

Visitors to the show will have the opportunity of viewing most of the popular artists, and well-known features of the National Broadcasting Company and the Columbia Broadcasting System, as they appear and are presented in the Crystal Studios.

X X X X X

## FACILITIES URGED FOR IRON MINE AREA

Erection of a new low-powered broadcasting station in the "Iron Range" country of northern Minnesota, where reception is poor because of the absorption of radio waves by the mineral deposits, was recommended to the Federal Radio Commission by its Chief Examiner, Ellis A. Yost.

Mr. Yost recommended that the Commission grant the application of Jacob L. Pete, of Ely, Minn., for the new station, which would operate on the 1200 kilocycle channel, with 100 watts night and 250 watts day power, sharing time with Station KGDE, at Fergus Falls, Minn.

At the hearing on the application, C. L. Jaren, licensee of Station KGDE urged that the Pete application be granted "due to the need for broadcasting service in the Iron Range region surrounding Ely", Mr. Yost stated.

Ely has a population of 6,000 with about 13,000 additional people living within a radius of 20 miles. This number, however, said Mr. Yost, is augmented during the Summer months by approximately 50,000 Summer residents and tourists.

Mr. Yost reported, based on testimony at the hearing, that Ely and vicinity are cut off from Duluty and southern Minnesota by iron ranges "which to a substantial degree absorb radio waves and prevent satisfactory reception from outside stations. Propagation is less favorable in this region than in other sections of the United States."

X X X X X X

## RADIO PAYROLLS INCREASE

Both employment and payrolls increased in the radio manufacturing industry in July as compared with June, according to figures made public the end of last week by the Bureau of Labor Statistics.

The Bureau received reports from fifty radio manufacturers, who gave their June employment at 20,773, increasing in July to 22,903, an increase of 10.3 per cent. The weekly payrolls in these identical plants also increased from \$504,515 in June, to \$521,037 in July, an increase of 3.3 per cent.

X X X X X

# WHOLESALE DEALERS REPORT FOR SECOND QUARTER

A summary of data furnished by 430 identical wholesale dealers in radio merchandise, as collected by the Bureau of Census, follows:

## SALES DURING QUARTER

	SECOND QUARTER (April-May-June)		Per Cent Increase or Decrease in value as com- pared with 1st Qter Fig.
	<u>Number</u>	<u>Value</u>	
RECEIVING SETS:			
(a) Consoles and cabinet models	48,034	\$3,125,190	-50.71
(b) Midget and table models	69,157	2,598,884	-22.15
(c) Radio phonograph combina- tions (not automatic)	2,475	254,665	-42.23
(d) Automatic radio phono- graph combinations	565	86,631	- 9.64
(e) Automobile sets	4,112	226,037	100.78
(f) Television sets	6	1,170	----
Total receiving sets	124,349	\$6,292,577	-39.07
HOME TALKING PICTURE MACHINES (with or without radio set)			
	54	18,940	1,468.48
BATTERIES:			
(a) Dry "A" batteries	97,149	36,103	-5.69
(b) Dry "B" batteries: 45- volt units	121,276	211,359	-17.99
(c) Wet batteries and eliminators	2,460	19,607	-17.71
VACUUM TUBES (RECEIVING), INCLUDING TUBES IN SETS:			
(a) Rectifying	159,923	177,750	-38.21
(b) Screen grid	232,610	325,934	-45.25
(c) Power	221,553	255,064	-28.68
(d) All other	399,489	428,721	-24.95
Total tubes	1,013,575	1,187,469	-34.46
LOUD SPEAKERS (NOT IN SETS)	14,541	46,719	102.98
MISCELLANEOUS RADIO ACCESSORIES AND PARTS	----	346,150	-10.46
TOTAL ALL ITEMS	----	8,152,924	-36.65
AVERAGE PER DEALER	----	18,960	-36.65

A similar report on stocks and sales of retail dealers will be published later. Copies of the tabulation may be obtained from the Census Bureau.

X X X X X X

## NEW VICTOR DISKS RUN FOR HALF HOUR

A new two-sided phonograph record that plays for half an hour and in that time reproduces an entire symphony or a complete vaudeville act with manual attention only at the fifteen-minute mark has been placed on the market by the RCA-Victor Company. This long-playing disk records in its finely spaced grooves as much music as four ordinary phonograph records. It can handle the complete musical score of a Broadway show.

The new disks are called "program transcriptions", and are listed as complete performances. So radical is the new instrument that it was predicted by Dr. Alfred N. Goldsmith, Vice-President of the RCA that the phonograph industry would take on a new life because the problem of manual control, long regarded as a retarding influence, had been removed.

Dr. Goldsmith explained that the long-playing feature was made possible by slowing down the turn-table speed from seventy-eight to thirty-three and one-third revolutions a minute and by introducing almost double the number of grooves on the playing surface of the disk. He said that the disks are made of a new composition that reduced the surface noise from the needle to less than half of that evident on the ordinary phonograph record.

Beethoven's Fifth Symphony, performed by the Philadelphia Symphony Orchestra, under the baton of Leopold Stokowski, was the first composition recorded as a program transcription. Already thirty-four classical and semi-classical compositions have been recorded by the new process and the recording engineers are reported busy expanding the list.

X X X X X X

## ARCTURUS ANNOUNCES NEW '30 SERIES D, C. TUBES

After extensive development and life tests conducted over a period of many months, seven new d.c. tubes of the '30 series have been presented by the Arcturus Radio Tube Company, Newark, N. J. These tubes are of two families: the types 130, 131, 132 and 133 which all have a 2.0 volt filament and the types 136, 137 and 138 are rated at 6.3 volts.

The 2.0 volt d.c. tubes have an unusually low drain to meet the exact needs of battery sets. The 130 is a general purpose battery tube which can be used as a Detector or Amplifier; the 131 is a Power Amplifier tube for use where economy of plate current is a factor; the 132 is a Screen Grid tube and is used as a r.f. amplifier; the 133 is a power amplifier Pentode delivering .650 to .700 watt with a 9.5 volt input.

The 6.0 volt d.c. series are of the heater-cathode construction and are specially designed for use in automobile, motor boat and direct-current sets. Type 136 is a Screen Grid tube for use as a r. f. amplifier or detector; type 137 is a general-purpose tube and can be used as either a Detector, Amplifier or Oscillator; type 138 is a Power Pentode giving a large output with small input voltages. The rugged construction of this series withstands shocks and jolts encountered in portable or mobile battery operated sets.

X X X X X X

### RMA FALL WORK BEGINS

Association activities for the Fall and Winter of the RMA have been started by President Coit, Executive officers and Committee Chairmen of the National Radio Manufacturers' Association. President Coit has filled all Committee chairmanship vacancies with the recent appointment of C. E. Brigham, of Newark, N. J., as Director of the Engineering Division, and Roy Davey, of Springfield, Mass., as Chairman of the Advertising Committee.

Director Brigham succeeds former Director H. B. Richmond of Cambridge, Mass., and Mr. Davey succeeds Paul S. Ellison, of New York. Mr. Brigham is organizing the entire Engineering Division, including new standardization work especially on tubes.

Consideration will begin soon of plans for the RMA annual convention and trade show of 1932. Invitations already have been received by the RMA from St. Louis, Chicago and Atlantic City for future consideration of the Show Committee, of which G. G. Erskine, of Emporium, Pa., is the new Chairman.

Chairman Erskine has just completed organization of his committee by the appointment of Major H. H. Frost, of New York, former President and Show Committee Chairman; Fred D. Williams, of New York; R. Del Dunning, of Bridgeport, Conn.; Meade Brunet, of Harrison, N. J.; Henry C. Forster and Leslie F. Muter, of Chicago, and James M. Skinner and F. E. Basler, of Philadelphia, Pa.

For the first time in several months there was a reduction during August in the proportion of sales of midget sets to total sales volume, according to George C. Furness, of New York, Chairman of the RMA Statistics Committee. Sales as well as shipments of receiving sets, tubes and other radio products showed a marked increase in August which has continued through September, with consequent increase in factory employment.

President Coit and Committee Chairmen of the RMA have been engaged intensively in study and negotiations in connection with the patent problem and the suggestion from the Department of Justice, in the anti-trust suit against the Radio Corporation of America, for creation of a patent pool. Several meetings have been held in New York and the three RMA patent committees appointed by President Coit,

including the Receiving Set Committee, headed by Capt. William Sparks, of Jackson, Mich.; The Tube Committee headed by B. G. ERSKINE, of Emporium, Pa., and the Amplifier Committee, of which A. C. Kleckner, of Racine, Wisconsin, is Chairman.

Through the concerted effort of the RMA and the State Department at Washington, effectual action has been taken with several Latin American countries, especially Argentine and Uruguay, against recent tariff increases on radio products.

Radio interests in the national and State legislatures, as well as municipalities, are in charge this year of H. B. Richmond, of Cambridge, Mass. Chairman Richmond is reorganizing the legislative work. In Washington, the RMA legislative counsel, Mr. Frank D. Scott, gives full-time service to the RMA and expects some new and important legislation during the coming Winter session of Congress. The broadcasting interests also are watched in Washington at the Federal Radio Commission and elsewhere by Mr. Scott. President Coit of the Association, Chairman Richmond, Mr. Scott and Bond Geddes, Executive Vice-President of the RMA, held a conference in New York City, September 16th, to plan the legislative work in the interests of radio generally and RMA members especially.

X X X X X X X

#### COMMISSION OFFICIALLY ADOPTS CENSUS FIGURES

The population figures of the 1930 census have been adopted officially by the Federal Radio Commission for use in the computation of the broadcasting quotas in the Five Radio Zones. These figures show only one major change - the Fourth Zone, or the Middle Western States, has its quota increased by approximately one unit, or the equivalent of about one station of 1,000 watts power, operating full time. This Zone, however, is 26 per cent over quota.

Under the Davis Equalization Amendment to the Radio Act, the Commission is required to distribute broadcasting facilities among the Five Zones on an equal basis, and among the 48 States on an equitable basis, according to their population. To bring this into effect by a gradual process, the Commission established the unit system, measuring the facilities to which States are entitled, and also the facilities they have been assigned, in terms of units, rather than by the more involved process of comparing numbers of stations, power, hours of operation, and other types of assignments.

The revised tabulation as of September 15, 1931, is as follows:

ZONE 1.

	<u>TOTAL</u>		<u>Net Amount over or under quota.</u>	
	<u>Due</u>	<u>Assignment</u>	<u>Units</u>	<u>Pct</u>
New York	35.07	39.20	+4.13	+12
Massachusetts	11.84	9.98	-1.86	-16
New Jersey	11.26	11.53	+0.27	+ 3
Maryland	4.55	4.10	-0.45	-10
Connecticut	4.48	3.55	-0.93	-21
Porto Rico	4.30	0.40	-3.90	-91
Maine	2.22	2.20	-0.02	- 1
Rhode Island	1.91	1.40	-0.51	-27
Dist. of Columbia	1.35	1.30	-0.05	- 4
New Hampshire	1.29	0.80	-0.49	-38
Vermont	1.00	0.60	-0.40	-40
Delaware	0.67	0.70	+0.03	+ 4
Virgin Islands	0.06	-----	-0.06	-100
Total	80.00	75.76	-4.24	- 5

ZONE 2

Pennsylvania	27.63	20.24	-7.39	-27
Ohio	19.07	18.65	-0.42	- 2
Michigan	13.89	11.40	-2.49	-18
Kentucky	7.50	7.62	+0.12	+ 2
Virginia	6.95	9.50	+2.55	+37
West Virginia	4.96	4.95	-0.01	- 0
Total	80.00	72.36	-7.64	-10

ZONE 3

Texas	16.22	22.77	+6.55	+40
North Carolina	8.82	7.82	-1.00	-11
Georgia	8.10	7.95	-0.15	- 2
Alabama	7.37	6.22	-1.15	-16
Tennessee	7.29	12.83	+5.54	+76
Oklahoma	6.67	9.00	+2.33	+35
Louisiana	5.85	8.50	+2.65	+45
Mississippi	5.60	3.00	-2.60	-46
Arkansas	5.16	4.40	-0.76	-15
South Carolina	4.83	1.70	-3.13	-65
Florida	4.09	8.35	+4.26	+104
Total	80.00	92.54	+12.54	+16

ZONE 4

<u>State</u>	<u>Due</u>	<u>Assignment</u>	<u>Net Amount over or under quota</u>	
			<u>Units</u>	<u>Pct.</u>
Illinois	22.52	34.67	+12.15	+54
Missouri	10.71	12.05	+ 1.34	+12
Indiana	9.56	7.48	- 2.08	-22
Wisconsin	8.67	7.95	- 0.72	- 8
Minnesota	7.57	9.04	+ 1.47	+19
Iowa	7.30	11.45	+ 4.15	+57
Kansas	5.55	4.71	- 0.84	-15
Nebraska	4.05	7.26	+ 3.20	+79
South Dakota	2.05	3.01	+ 0.96	+47
North Dakota	2.01	2.99	+ 0.98	+49
Total	80.00	100.61	+20.61	+26

ZONE 5

California	36.86	36.43	- 0.43	- 1
Washington	10.15	15.80	+ 5.65	+56
Colorado	6.72	9.42	+ 2.70	+40
Oregon	6.19	9.15	+ 2.96	+48
Montana	3.49	3.00	- 0.49	-14
Utah	3.30	6.60	+ 3.30	+100
Idaho	2.89	2.60	- 0.29	-10
Arizona	2.83	2.60	- 0.23	- 8
New Mexico	2.75	4.03	+ 1.28	+47
Hawaii	2.39	1.40	- 0.99	-41
Wyoming	1.46	0.20	- 1.26	-86
Nevada	0.59	0.80	+ 0.21	+36
Alaska	0.38	0.70	+ 0.32	+84
Total	80.00	92.73	+12.73	+16

For population figures, etc., see Business Letter 470, issued of September 17, 1931.

X X X X X

:  
: BUSINESS LETTER BRIEFS :  
:

Probably the first man in the United States to be so engaged is George A. Mahone, of Baltimore, a radio station broker. Mr. Mahone, a lawyer and radio engineer formerly connected with WFBR, Baltimore, recently leased by the NBC, keeps an eye on the smaller stations of the country.

Whenever one of them appears to be wobbly financially or about ready to blow up, he seeks to refinance or find a buyer for it.

While it is true that many of the smaller stations of the country are making money, a large number of others which have been hanging on in the hopes of realizing something on their wavelengths, are just about ready to give up the ghost.

-----

Increased radio telephone traffic caused by the present financial situation in London, was responsible for the Federal Radio Commission granting the American Telephone and Telegraph Co., permission to use their South American frequencies in the trans-Atlantic service. Station WOO, Ocean Gate, N. J., and WLO, Lawrenceville, N. J., were pressed into service.

-----

The Special Copyright Committee of the National Association of Broadcasters will meet with representatives of the American Society of Composers, Authors and Publishers in New York City on Wednesday, according to Philip G. Loucks, Manager-Director of the Broadcasting Association. The conference will deal with copyright license fees for broadcasting purposes.

-----

Frank A. Arnold, Director of Development for the National Broadcasting Company, delivered a short talk on broadcast advertising to students of Northwestern University at a luncheon Wednesday, September 16th at the University Club, Chicago.

Mr. Arnold spoke at the request of Dr. Walter Dill Scott, President of Northwestern. Arnold is in Chicago visiting the NBC studios there.

X X X X X X X X

SECTION TWO

HEINL RADIO BUSINESS LETTER

No. 471

September 21, 1931.

APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

September 17 - KLO, Peery Building Co., Ogden, Utah, voluntary assignment of license to Interstate Broadcasting Corp.; KQW, Pacific Agricultural Foundation, Ltd., San Jose, Calif., license to cover C. P. granted 5/15/31 to move transmitter and studio locally and to install new equipment; KGEW, City of Fort. Morgan, Fort Morgan, Colo., C. P. resubmitted and amended to request 100 watts night, 250 watts experimentally day instead of 100 watts, 250 watts LS.

September 19 - Granite State Broadcasting Corp., Portsmouth, N. H., C. P. to erect new stations to use 1310 kc.; 100 watts, and to share time with station WKAV; WBOW, Banks of Wabash, Inc., Terre Haute, Ind., C. P. to move transmitter locally; KTNT, Norman Baker, Muscatine, Iowa, voluntary assignment of license to Progressive Publishing Co.; KMO, KMO, Inc., Tacoma, Wash., modification of license resubmitted amended to request 250 watts instead of 500 watts and unlimited time instead of 3/5 time; KFWF, St. Louis Truth Center, St. Louis, Mo., modification of license to change frequency from 1200 kc., to 1420 kc., and hours of operation from sharing with Station WIL to  $\frac{1}{2}$  time.

Applications Returned To Applicants

WPRO, Cherry & Webb Broadcasting Co., Providence, R. I., modification of C. P. to move studio locally and to make changes in equipment(application out of order); Melvin M. Burtis, Syracuse, N.Y., C. P. to erect new station to use 1500 kc., 100 watts, 250 watts LS, and unlimited time (Applicant did not comply with request for further information); WNBW, C. F. Schiessler & M. E. Stephens, d/b as Home Cut Glass & China Co., Carbondale, Pa., C. P. to install new equipment and decrease power from 10 watts to  $7\frac{1}{2}$  watts. (Returned at request of applicant).

Applications Other Than Broadcasting

Sept. 15 - Bell Telephone Laboratories, Inc.: W10XAA, NC-417-H, renewal of special experimental license for 1608, 2302, 6155, 6200, 3076, 3106, 4108, 5510, 6600, 7000, 7400, 7700 kc., 500 watts and 5 w.; W2XAV, portable, initial location, Ocean Township, N. J., renewal of special experimental license for 17300, 18310 plus or minus 3 per cent, 100 w., and 5 w.; W2XBX, renewal of special

experimental license for 1608, 2302, 3076, 3106, 4108, 5510, 6155, 6200, 6600, 7000, 7400, 7770 kc., 50 w., and 5 w.; W3XR, Mendham Township, N. J., renewal of special experimental license for 1608, 2302, 3076, 4108, 5510, 6155, 6200, 6600, 7000, 7400, 7700, 278 kc., 400, 50 and 10 w.; WKDL, Pan American Airways, Inc., Miami, Fla., C. P. for new transmitter on 2662, 3070, 5405, 5690, 4164, 6320, 8015, 6305 kc., 350 w., and 200 w., aeronautical and point-to-point aeronautical service; KHVBV, Crosley Radio Corp., NC-982-Y, renewal of aircraft license for 3106 kc., 50 w.; W2XDF, Faske Engineering Co., Brooklyn, N. Y., modification of C. P. for additional frequencies of 2850-2950 kc., 43000-46000 kc., 2300-2500 kc., special experimental for television transmission.

The following applications have been withdrawn at request of applicant:

Press Wireless, Inc.: WEE, Hicksville, N. Y., C. P.s for 6905, 8195 kc., 5 kw., for 7310, 9670 kc., 5 kw., for 6995, 10050 kc., 5 kw., for 7385, 11440 kc., 5 kw.; WJA, Chicago, Ill., C. P. for 19260 kc., 5 kw.; at Seattle, Wash., new C. P. for 184 kc., 10 kw.; at San Francisco, Calif., new C. P. for 183 kc., 10 kw.; at Denver, Colo., new C. P. for 194 kc., 10 kw.; at Detroit, new C. P. for 168 kc., 10 kw.; at Honolulu, T. H., new C. P. for 174 kc., 10 kw.; at Portland, Oreg., new C. P. for 164 kc., 10 kw.; at Milwaukee, Wis., new C. P. for 186 kc., 10 kw.; at Minneapolis, Minn., new C. P. for 182 kc., 10 kw.; at Los Angeles, Calif., new C. P. for 181 kc., 10 kw.; at Los Angeles, Calif., new C. P. for 171 kc., 10 kw.; at Los Angeles, Calif., new C. P. for 162 kc., 10 kw., all public point-to-point service.

Waco, Texas,  
September 17 - Aeronautical Radio, Inc.: KGUH, C. P., to install new equipment on 3238, 3244, 3452, 3460, 3468, 3484, 5600, 5630, 2326, 2344, 4140, 6260, 6275 kc., 50 watts, aeronautical point-to-point aeronautical service; WEEH, McRae, Ga., license covering C. P. for 3070, 3076, 5690 kc., 350 watts, aeronautical service; also license covering C. P. for 4164, 6320 kc., 350 watts, point-to-point aeronautical; WAEB, Columbus, Ohio, license covering C. P. for 3082, 3088, 5510 kc., 400 watts, aeronautical service; WNAK, Cleveland, Ohio, license covering C. P. for 3160, 3166, 3172, 3178, 5570, 5660 kc., 400 watts, aeronautical service;

Also, City of Somerville, Police Dept., Somerville, Mass., new C. P. for 1712, 247 kc., 7½ watts, special experimental service; American Airways, Inc., NC-489-E, new aircraft license for 3106, 3238, 3244, 3452, 3460, 3468, 3484, 4915, 5600, 5630 kc., 50 watts; W8XBA, John J. Long, Jr., Brighton, N. Y., renewal of experimental license for 60000 to 100000 kc., 75 watts; W2XV, Radio Engineering Laboratories, Inc., Long Island City, N. Y., renewal of experimental license for 4795, 8650, 17300 kc., 500 watts; R. G. Howell, amended per telegram dated 9/7/31, to change frequency to 2368 kc.

Also, RCA Communications, Inc.: WQZ, WGT, WGU, WJZ, amended per letter 6/12/31 to change power from 80 KW to 20 KW, all located at San Juan, P. R.

The following applications were deleted and returned to applicant:

Pan American Airways, Inc.: KHKNM, NC-671, and KHKRI, NC-672, licenses for 33, 414, 500, 2662, 3070, 3076, 5690, 8650 kc., 12 watts, aircraft.

The following applications were withdrawn by letter from applicant:

R. C. A. COMMUNICATIONS, INC.: At Kahuku, T. H., new C.P.s for 16195 kc., 50 KW, limited public service, also new C. P. for 7535 kc., 50 KW, limited public; WQZ, San Juan, Porto Rico, license for 15986 kc., 80 KW, limited public.

September 18: Aeronautical Radio, Inc.: KTU, Redding, Cal., and WNAJ, Toledo, Ohio, C. P.s for 3160, 3166, 3172, 3178, 5570, 5660 kc., 400 watts, aeronautical service; KSI, Burbank, Cal., licenses covering C. P.s for 2722, 2734, 4108, 6350, 8015 kc., 500 watts and 150 watts, point-to-point, also license covering C. P. for 3070, 3076, 5540 kc., 400 watts, aeronautical service; KEK, Mackay, Radio & Telegraph Co., Hillsboro, Ore., license for marine relay service for 418, 500, 4755, 5525, 6560, 11050, 11320, 16580, 21660, 22100 kc., 1 KW and 1500 watts; W8XA, Radiomarine Corp. of America, Suffield, Ohio, license covering C. P. for 3076, 3106, 3178, 5525, 5540, 5660 kc., 50 watts, special experimental service.

The following applications have been withdrawn at the request of applicant:

KGJW, Pan American Airways, Inc., Brownsville, Texas, renewal of license for 278, 2662, 3070, 5690 kc., 200 and 350 watts, aeronautical service. WRDN, Pan American Airways, Inc., Norfolk, Va., modification of C. P. for new equipment on 6305, 6320 kc., 278, 2662, 3070, 5690 kc., and extensions of completion of construction to 3/31/32.

September 19 - Seattle Fire Department, Seattle, Wash., new C. P. for 1596 kc., 50 watts, fire; United Radio Utilities Co., Inc., Los Angeles, Calif., new C. P. for 2000-2100, 2750-2850 kc., 50 watts, visual broadcasting; State University of Iowa, Iowa City, Iowa, new C. P. for 2000 to 2100 kc., 62 watts, visual broadcasting; K6XC, Inter Island Airways, Ltd., ND-305-N, renewal of experimental aircraft license for 2398, 3256, 4795, 6425 kc., 100 watts; WRDE, Township of Grosse Pointe, Grosse Pointe, Mich., C. P. for change in location of transmitter locally; Eastern Air Transport, Inc., NC-185-H, new aircraft license for 5690, 3070, 3076 kc., 10/15 watts.

All renewal applications and modification of licenses for RCA Communications, Inc., for point-to-point service operating on frequencies above 6000 kc., located at Rocky Point, N. Y., New Brunswick, N. J., Bolinas, Calif., Kahuku, T. H., have been amended by letter of 9/12/31 to change the maximum output power to 40 KW from the present authorized maximum power of 80 KW.

X X X X X X X

## DECISIONS OF THE FEDERAL RADIO COMMISSION

The Commission granted the following applications on September 18th:

KSL, Radio Service Corp. of Utah, Salt Lake City, Utah, authority to install automatic frequency control; KFWF, St. Louis Trust Center, Inc., St. Louis, Mo., modification of C. P. to extend completion date to October 15th, also to move studio and transmitter locally in St. Louis; WABC-WBCQ, Atlantic Broadcasting Corp., New York City, license for change in transmitter location, install new equipment and increase in power to 50 KW, 860 kc., 50 KW, LP, unlimited; WNBZ, Earl J. Smith and Wm. Mace, d/b as Smith and Mace, Saranac Lake, N. Y., license covering change in equipment, 1290 kc., 50 w., daytime; WTAG, Worcester Telegraph Publishing Co., Inc., Worcester, Mass., license covering installation of auxiliary transmitter, 580 kc., 150 w., unlimited time; WQAN, E. J. Lynett, The Scranton Times, Scranton, Pa., license covering changes in equipment, 880 kc., 250 w., shares with WGBI.

Also, KABC, Alamo Broadcasting Co., Inc., San Antonio, Texas, license covering removal of transmitter locally, 1240 kc., 100 w., unlimited time; KGKO, Wichita Falls Broadcasting Co., Wichita Falls, Texas, license covering installation of new equipment 570 kc., 250 w., 500 w., LS, unlimited; WTAW, Agricultural and Mech. College of Texas, College Station, Texas, license covering installation of new transmitter, 1120 kc., 500 w., shares with KTRH; WCOC, Mississippi Broadcasting Co., Meridian, Miss., license covering changes in equipment, 880 kc., 500 w., 1 KW LS, unlimited; KMLB, J. C. Liner, Monroe, La., license covering changes in equipment and increase in power to 100 w., 1200 kc., daytime; WJAK, Marion Broadcast Co., Marion, Ind., license covering installation of new transmitter 1310 kc., 50 w., shares with WLBC; WCMA, General Broadcasting Corp., Culver, Ind., license covering removal of transmitter locally, 1400 kc., 500 w., shares with WBAA and WKBF; WEDC, Emil Denemark, Inc., Chicago, Ill., license covering changes in equipment 1210 kc., 100 w., shares with WCRW and WSBC.

Also, KMO, KMO, Inc., Tacoma, Wash., license covering changes in equipment, 860 kc., 500 w., day, 500 w., night after WABC discontinues operation, LT time; KPJM, A. P. Miller, Prescott, Ariz., license covering changes in equipment and removal of transmitter and studio locally; 1500 kc., 100 w., unlimited time; KCRJ, Chas. C. Robinson, Jerome, Ariz., license covering changes in equipment, 1310 kc., 100 w., unlimited time; KRFI, Radio Broadcasting Corp., Twin Falls, Idaho, license covering changes in equipment and increase in day power from 250 to 500 w., 1320 kc., 250 w., 500 w., LS, shares with KID; WCAJ, Nebraska Wesleyan University, authority to suspend operation during such portion of week beginning Sept. 6th, as is necessary to make changes in transmitter; KRLD, KRLD Radio Corp., Dallas, Texas, authority to temporarily change frequency to 970 kc., during period of World Series in order to broadcast games (day only); WNBR, Memphis Broadcasting Co., Memphis, Tenn., permission to extend special authority to use transmitter of WGBC until new transmitter of WNBR may be erected in suitable location; WTFI, Toccoa Falls

Institute, Athens, Ga., modification of C. P. to move transmitter and studio locally in Athens, Ga., also granted consent to voluntary assignment of C. P. to Toccoa Falls Broadcasting Co.; KMA, May Seed and Nursery Co., Shenandoah, Ia., permission to take depositions at Des Moines, Ames and Shenandoah, Ia., on Monday September 21 and Tuesday Sept. 22.

Also, R. G. Howell, Plane, NC-901-M, license; Radiomarine Corp. of America, SS Alabama, WPOT, temporary authority to operate under a combination first and third class license status pending receipt of action on formal application for modification of existing third; John J. Long, Jr., LeRoy, N. Y., C. P. for experimental purposes, kcs. between 60,000 and 100,000 kc., 1 KW; RCA Victor Co., Ind., Camden, N. J., experimental license; W2XBB, Radio Corp. of America, Brooklyn, N. Y., license for experimental service, also to move transmitter to 75 Varick St., New York City; W2XR, Radio Pictures, Inc., Long Island City, N. Y., modification of license for change in frequency and addition of 2 new transmitters for visual broadcasting service.

Also, Aeronautical Radio, Inc.: granted 3 new C.P.s for aeronautical and point-to-point aeronautical service in San Antonio, Brownsville and Houston, Texas; WNAO, Newark, N. J., license, aeronautical service; WSDK, Memphis, Tenn., license, point-to-point aeronautical service; KGTH, Salt Lake City, modification of license for change in frequency, point-to-point aeronautical service; Western Air Express, Plane NC-215-M, granted license; KHJCX, Boeing Air Transport, Inc., consent to voluntary assignment of license to National Air Transport, Inc.; Colonial Air Transport, Inc., consent to voluntary assignment of four licenses to American Airways, Inc.; Pan American Airways, Inc., Brownsville, Texas, Miami, Fla., San Juan, P. R., authority to operate stations by remote control; W6XV, Federal Telegraph Co., renewal of special experimental license.

#### Renewal of Licenses

The following stations were granted temporary licenses, beginning October 1st, pending action by the Commission after hearing on their applications for renewal of license:

WASH, Grand Rapids, Mich., WCAD, Canton, N. Y., WCAL, Northfield, Minn., WDAE, Tampa, Fla., WHAD, Milwaukee, Wis.; WIBG, Elkins Park, Pa.; WISN, Milwaukee, Wis., WOOD, Grand Rapids, Mich.; WPSC, State College, Pa.; KFMX, Northfield, Minn., KMOS, Inglewood, Cal., KWSC, Pullman, Wash., WJBU, Lewisburg, Pa., WTAW, College Station, Texas.

The following stations were granted regular renewals:

KGGF, Coffeyville, Okla., WNAD, Norman, Okla., WRC, Washington, D. C.

### Set For Hearing

N. O. Clemensen, Payette, Idaho, requests C. P. 1200 kc., 100 w., unlimited time (facilities of KGKX); KFUP, Fitzsimmons General Hospital, Denver, Colo., requests modification of C. P. to extend completion date to Nov. 15/31; Atlantic Broadcasting Corp., New York City, requests C. P. for experimental booster station, 860 kc., 250 watts, experimentally, unlimited time, to be located at New York Ave. and 15th St., Washington, D. C. (This will be heard before the full Commission on October 19th); Philadelphia Storage Battery Co., Philadelphia, Pa., requests C. P. for experimental purposes, also C. P. for visual broadcasting service.

### Revocation Of Licenses

W9AJD, Joy P. Miller, Ashland, Neb., amateur license revoked because licensee has knowingly and wilfully transmitted within broadcast band in violation of Commission's amateur regulations, and for other reasons; W4PCA, Marshall Castleberry, Adel, Ga., amateur license revoked because licensee operated in broadcast band and broadcast phonograph music.

### Miscellaneous

Fresno Broadcasting Co., heretofore set for hearing and cancelled by Commission on Sept. 11th, has been reconsidered and hearing will be held sometime in November; KUT, Rice Hotel, Austin, Texas, renewal of license, 1500 kc., 100 watts, unlimited time (this station was designated for hearing for failure to comply with G.O. 111, 115 and 105, and hearing date set for September 24th. Station has now complied with G.O.s and hearing will be cancelled; George F. Kohlenberger, Detroit, Mich., denied authority to install low power transmitter on General Motors Bldg., Detroit, for purpose of transmitting radiograms for American Legion from Sept. 20 to 25th; A. B. Murray and F. P. Singletary, Baton Rouge, La., permission for oral argument to be held Oct. 14th on their application for C. P. 1500 kc., 100 w., unlimited (Examiner Hyde recommended denial in Report No. 207).

### Action On Examiners' Reports

WJBK, James F. Hopkins, Inc., Highland Park, Mich., denied, modification of license to change hours of operation from sharing with WIBM to unlimited, reversing Examiner Walker; Thomas F. Harkins, Upper Darby, Pa., denied C. P. for new station to operate on 900 kc., 250 w., daytime, sustaining Examiner Hyde; North Shore Church, Chicago, Ill., denied modification of license to change hours of operation to 19 hours weekly, reversing Examiner Yost; WSUI, State University of Iowa, Iowa City, Ia., denied modification of license to change hours of operation to unlimited, sustaining Examiner Pratt; C. E. King, Hutchinson, Kans., denied C. P. for new station to operate on 1240 kc., 500 w., daytime, sustaining Examiner Walker; Boston Pilots Association, Boston, Mass., denied C.P. for new station to operate on 2536 kc., 200 w., unlimited time, sustaining Examiner Pratt.

### Applications Dismissed

The following applications are dismissed at request of applicants:

KGKX, Edw. Goodman, Boise, Idaho, requests C. P. 1370 kc., 100 w., unlimited time; The Voice of St. Louis, St. Louis, Mo., C. P. 4300 to 8000 kc., 500 w., unlimited; The Kunsky-Trendle Broadcasting Corp., Detroit, Mich., C. P.; WWVA, West Virginia Broadcasting Corp., Wheeling, W. V., modification of license 1180 kc., 5 KW, divide with KEX; Ford Communications Co., Dearborn, Mich., C. P. 15100-8,550 kc., 1 KW; WBNX, Standard Cahill Co., Inc., New York City, modification of license 1350 kc., 250 w., 56 hrs. a week; WBNX, Same Co., C. P. 1350 kc., 500 w., divides with WCDA, WMSG, and WABZ; D. M. Sayles, Gillette, Wyo., C. P. 1310 kc., 100 w., unlimited time; WOW, Woodman of the World Life Ins. Association, Omaha, Neb., C. P. 590 kc., 5 KW, share WCAJ, also modification of license.

### Miscellaneous

KGIW, Leonard E. Wilson, Trinidad, Colo., request for voluntary assignment of license to The Chieftain Printing Co., set for hearing; WAGM, Aroostock Broadcasting Corp., Presque Isle, Maine, granted 60 day extension of C. P.

X X X X X X X X

### APPLICATIONS RECEIVED BY FEDERAL RADIO COMMISSION

September 21 - WKJC, Kirk Johnson & Co., Lancaster, Pa., voluntary assignment of license to Lancaster Broadcasting Service Inc.; KGKL, KGKL, Inc., San Angelo, Texas, C. P. to install new transmitter, change frequency from 1370 kc., to 970 kc., and power from 100 watts to 1 KW; WGST, Georgia School of Technology, Atlanta, Ga., license to cover C. P. granted 8/25/31 to make changes in equipment and move transmitter locally; KFBI, The Farmers & Bankers Life Insurance Co., Milford, Kans., modification of license to increase power from 5 KW to 10 KW and hours of operation from limited time accordance General Order #48 to Limited time accordance General Order #48, plus one additional hour, facilities of station WIAS requested; H. Z. Myers & R. D. Lemert, d/b as San Joaquin Valley Broadcasting Co., Bakersfield, Calif., C. P. to erect new station to use 1420 kc., 100 watts, unlimited time.

X X X X X X X X