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RCA NEWS

WITH this issue RCA News makes its bow as successor to The Wireless Age. The change in title is indicative of a change in scope to include news of interest to all the member companies of the RCA family.

The Wireless Age was founded in the early days of radio communication and, with various editors, has made many friends. RCA News now is offered to those friends when "wireless" has given way to "radio" and a new phase of the industry has been reached.

*Published at
New York for its employees by the*

RADIO CORPORATION OF AMERICA

RADIO CORPORATION OF AMERICA

222 BROADWAY

WOOLWORTH BUILDING

NEW YORK

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RCA NEWS

Published monthly
at New York for its
employees by the

RADIO CORPORATION OF AMERICA

EMMET CROZIER,
Editor



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Managing Editor

RADIO CORPORATION
OF AMERICA
233 BROADWAY
NEW YORK CITY

Contributions should be sent in not later than the 15th of each month and should bear the writer's name, not necessarily for publication, but as an evidence of good faith.

VOL. XI

JUNE, 1930



"The Radio Corporation is very glad that a test case has been brought. It prefers very much to have such a question out of politics."

OWEN D. YOUNG.

RCA NEWS

*Published monthly at New York for its employees by the
Radio Corporation of America*

Volume XI

June, 1930

Corporation Welcomes Suit To Test Validity Of Its Organization

*Mr. Young So States and Points Out the Government
Has Been Advised in Every Step*

SUIT was filed on May 13th in the District Court of the United States for the District of Delaware to test the legality of the arrangements existing between Radio Corporation, General Electric, Westinghouse, American Telephone and Telegraph and six other companies. The proceeding is based on the Sherman Act. The other companies named are: Western Electric Company, RCA Photophone, Inc., RCA Radiotron Company, Inc., RCA Victor Company, Inc., General Motors Radio Corporation, and General Motors Corporation.

Following receipt of information that the suit had been brought, Owen D. Young, Chairman of the Executive Committee of the Radio Corporation of America, made the following statement:

"The Radio Corporation of America welcomes the suit of the Government

of the United States to test the validity of its organization which has now existed for more than ten years, and in every step of which the Government has been advised.

"In 1919 when the Company was organized, no one concern in the country had the necessary patents to enable it to develop the radio art and create a business. Each of several had some, and each could block the other. The purpose of the organization of the Radio Corporation was to release the art by grouping patents enough in one place so as to enable sending stations to be created and receiving sets to be built. That this was accomplished is shown by the rapid development of the radio business.

"In order to promote competition in the art and in the business, and to avoid patent litigation which would have prevented development, licenses

have been issued to 34 concerns to make radio receiving sets and to 14 concerns to make radio tubes. Between them, as the public knows, competition is severe. These licenses provide a royalty payment, which was intended to represent the fair contribution of the licensees to the expenses of the research and the cost of the original patents. It was intended to be less than the royalty payment would have been had the patents remained in scattered hands. All these licensees are licensed under all new inventions and have the benefits of all existing research of the Radio Corporation and its associated companies in the field which the licenses cover.

"This arrangement seemed wise. As a result an industry was born, thousands of people were employed, and millions were enabled to listen, without charge for programs. There can be no question of benefit to the public. There is apparently now, looking backward, and because of a recent court decision in another industry, some question in the mind of the Department of Justice of a technical violation of the law. Certainly, if there be anything illegal in the set-up of the Radio Corporation, its officers, directors, and stockholders are more deeply interested in that question than either the Government or any other group can possibly be. It is very glad, therefore, that a test case has been brought. It prefers very much to have such a question out of politics."

The position of the Government in calling on the Courts to settle questions in an intricate situation is outlined in the following statement issued by the Department of Justice the afternoon the suit was filed:

"It is announced at the Department

of Justice that there is today filed on behalf of the United States, a suit under the Sherman Act, in the District Court at Wilmington, Delaware, to test the legality of the arrangements existing between Radio Corporation, General Electric, Westinghouse, American Telephone & Telegraph, and six other corporations.

"The patent arrangements originally made between several of the defendants, have been steadily increased in number and enlarged in scope until the defendants now practically have control of radio business and its development. This control has been brought about by a novel method of cross-licensing patents.

"The suit is concerned chiefly with the legality of these patent arrangements.

"The petition filed alleges that the defendants, most of whom are competitors, by issuing patent licenses to one another have created a patent combination or pool through which they exercise joint control over the radio industry and that competition among them has ceased, and that no outsider can obtain a license except on terms jointly prescribed by the chief defendant.

"The petition also alleges that the proposed reorganization recently submitted to stockholders of Radio Corporation would have the effect of perpetuating the control already obtained by the defendants.

"The defendants on the other hand, have earnestly contended that they are doing nothing more than they are authorized to do under the patent laws.

"The situation is an intricate one, and it is desirable that these vexed questions be settled in the courts."

Radio Trade Show At Atlantic City Is Expected To Set A Record

*Interest as the Convention Opens Indicates the Most
Successful Meeting of Its Kind Ever Held*

THE Atlantic City Radio Trade Convention, which will open on June 2nd, is expected to be the most successful radio show ever held. Special interest and significance is attached to this convention because the radio industry has just passed a critical period in its history.

The RCA Victor Company is making elaborate and extensive preparations for the accommodation and entertainment of its dealers and distributors during the convention week. The entire Traymore Hotel at Atlantic City has been engaged and as RCA News went to press indications were that there would be a large representative attendance at the convention of dealers and jobbers of both the Victor and Radiola Divisions. For the Radiola Division this will be the first opportunity for the newly appointed and reappointed Radiola jobbers to convene for a discussion of future plans.

Among the active participants and visitors to Atlantic City during the convention week who have made reservations are E. E. Shumaker, President of RCA Victor; J. L. Ray, Alfred Weiland, H. C. Grubbs and W. R. G. Baker, Vice Presidents, and Vernon W. Collamore, Manager of the Radiola Division.

W. L. Marshall, General Advertising Manager of RCA Victor, has been charged with the responsibility of making arrangements for the accommoda-

tion, the entertainment and for the sales meeting.

RCA Radiotron Company will have three booths, showing all its sales promotion material for dealers. Coincident with the Convention an RCA photoradio demonstration under the auspices of the New York Evening World will be held at one of the other large hotels.

A story of the convention, with photographs, will appear in the next issue of RCA News.

* * * *

C. C. White Made a Radiola Distributor

ANNOUNCEMENT has come recently from V. W. Collamore, Radiola Division Manager of the RCA Victor Company, Inc., that the firm of C. C. White has been appointed distributor of RCA Radiolas in Texas.

This appointment brings into the RCA Radiola distribution picture a well organized firm with eight years of experience in the wholesale radio business. Located at 703 North Jacinto Street, Houston, Texas, this organization is now in the process of expansion, and is laying elaborate plans for the most complete coverage of its territory.

C. C. White, owner of the business, predicts a substantial volume of trade from the territory, and already enlargement of personnel is under way.

Entire 1930-1931 Product of Columbia Will Be Shown in RKO Theaters

*Hiram S. Brown Announces One of the Largest Bookings
Ever Made—Advantages Are Reciprocal*



ONE REASON FOR THE DEAL

*Frank R. Capra is one of the directors
whose products will go to RKO*

HIRAM S. BROWN, President of Radio - Keith - Orpheum Corporation, recently interested the amusement industry with his confirmation of one of the largest and most important film booking contracts ever made, involving approximately \$5,000,000. It is between RKO and Columbia Pictures. By this transaction, the entire 1930-31 product of Columbia Pictures, consisting of twenty feature sound film productions, will be exhibited in all the theatres of the RKO Circuit from coast-to-coast. The deal also involves Columbia's short subjects.

The agreement, according to the official statement, is entirely reciprocal, as Columbia is assured an outlet in every key city and important community in the United States, through the far-flung RKO system of playhouses, as well as a production house or "show window" on Broadway in the Globe Theatre, RKO's present first-run house, and later in the new RKO Theatre, being erected at Broadway and 47th Street.

On the other hand, RKO, in addition to the important program planned by its own film production unit, Radio Pictures, now will provide also for its



A STAR IN RKO THEATERS
*Jack Holt is one of the outstanding
actors of Columbia Pictures*

patrons the product of Columbia Pictures, which gives assurance during next season, of twenty additional outstanding feature films adapted from



ONE OF "THE FAMILY"
Evelyn Brent of Columbia Pictures
is added to RKO offerings

most successful stage plays and best selling novels and magazine stories.

The deal was consummated on product and achievements, based upon past performances of Columbia with such features as "Submarine", "Flight", and "Ladies of Leisure", and chiefly on the future possibilities of its 1930-31 line-up of the best available story material, stars, directors and a producing studio capable of turning out the highest possible quality of sound recording, photography and production values. In these RKO feels that Columbia will take its place as one of the leaders of the industry during the coming year.

Columbia's line-up of vehicles includes "The Criminal Code", the now world-famous prison play by Martin Flavin; "Rain or Shine" starring Joe

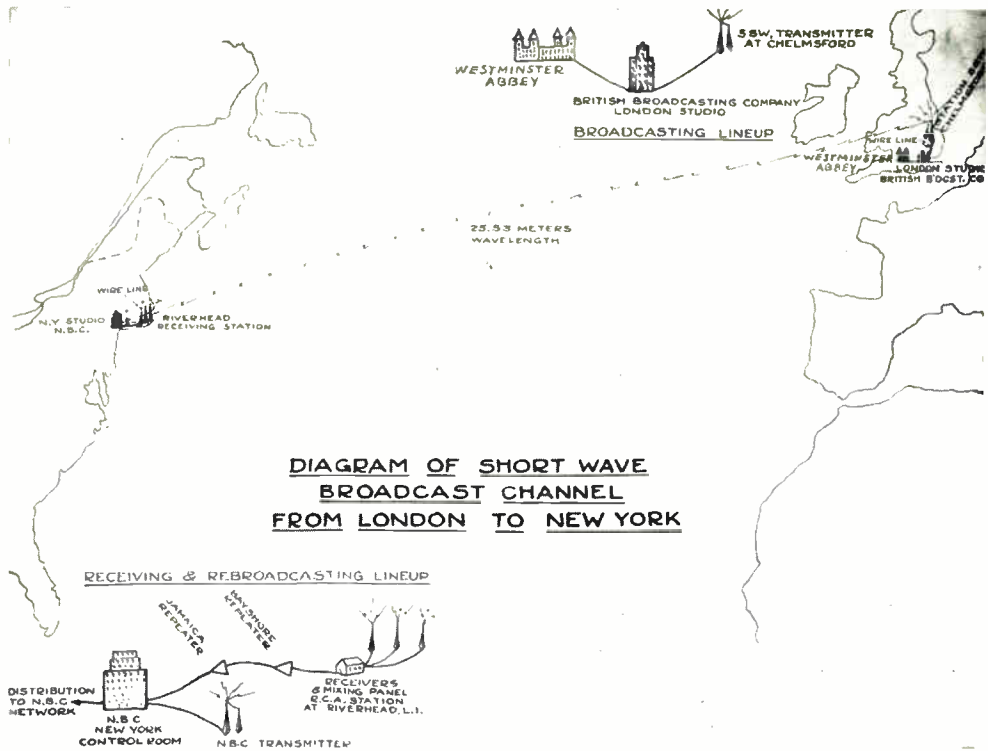
Cook in his musical stage success; "Madonna of the Streets", adapted from W. B. Maxwell's best seller "The Ragged Messenger", which will star Evelyn Brent; "Bless You Sister", Alice Brady's famous starring vehicle written by R. R. Riskin and John Meehan; "Brothers", starring Bert Lytell, by Herbert Ashton, Jr.; "Subway Express", a sensation of the New York stage season by Eva Kay Flint and Martha Madison; "Arizona", Augustus Thomas' American classic stage play; "The Lion and the Lamb"; "Ballyhoo", Kate Horton's noted play, and many other outstanding stage plays and novels.

To direct these stories, Columbia has selected so far; Frank Capra, famous director of "Submarine", "Flight", and "Ladies of Leisure"; Edward Sloman, Ira Hards, A. H. Van Buren, Karl Brown, James Flood, Matt Moore, Bert

(Continued on page 37)



GAINS A WIDER AUDIENCE
Sally O'Neil is another successful
actress coming to our circuit



A Trans-Atlantic Program Exchange Is Started On Series Basis

*Speakers for the United States and for Great Britain Talk
to Radio Listeners of Both of the Nations*

AN international forum, with statesmen and thinkers of Great Britain and the United States speaking across the Atlantic each week to exchange ideas for radio listeners of both nations, was inaugurated Monday afternoon, May 12. The British Broadcasting Corporation and the National Broadcasting Company have arranged the series of short wave rebroadcasts.

"International Viewpoints" is the general title of the weekly talks. They

mark the first attempt by radio engineers and executives to place trans-Atlantic program exchange on a series basis. It is planned to have the forum run eight weeks, with an American and an Englishman addressing the international audience on alternate Mondays.

Sir Philip Kerr, the Marquis of Lothian, opened the series from London. His voice was heard on this side of the Atlantic through combined NBC coast-to-coast networks from 4:25 to 4:45

(Continued on page 37)

Lowell Vere Calvert Is Made Manager of Recording for RCA Photophone

H. L. Sommerer Returns to RCA Victor Company, Inc., As Director of Its Activities in Japan

LOWELL VERE CALVERT, for the last five years general manager of Educational Pictures, has been appointed manager of recording operations of RCA Photophone, Inc., to succeed H. L. Sommerer, who returns to RCA Victor Company, Inc., as managing director of that company's activities in Japan, according to an announcement by Charles J. Ross, Executive Vice-President of RCA Photophone, Inc. In his new capacity, Mr. Calvert will assume control of the recording operations of RCA Photophone's two studios on the West Coast, the Gramercy studio in New York City and at the RCA Victor plant in Camden, as well as being the company's representative in its contact with Educational Pictures, Mack Sennett, Pathe, Tiffany, RKO and all other RCA Photophone licensees.

Mr. Calvert's appointment follows eight years of activity with Educational Film Exchange and a career in the motion picture industry that goes back to the George K. Spoor and Essanay studios in Chicago. In 1911 he became identified with the General Film Company as a salesman in Minneapolis where he remained until 1915 when he joined the Finklestein & Ruben Theatrical Enterprises. On his return in 1919 from France, where he had been a master signal electrician attached to the 419th Telegraph Battalion, he became director of the Garrick Theater in Minneapolis. Later he supervised construction of the Capitol Theater in St. Paul and the State Theater in Minneapolis for Finklestein & Ruben, for whom he had become general manager of theatres. In 1922 he joined Educational Film Exchanges, becoming gen-



MANAGER OF RECORDING

Appointment of L. V. Calvert by Photophone is backed by long experience

eral manager of Educational Film Exchanges, becoming gen-

eral manager about five years ago.

Mr. Sommerer, who became manager of recording operations for RCA Photophone, Inc., in January of this year, returns to the RCA Victor organization, with which he had been identified for twenty years, beginning as a youth in the cost accounting department. Progressing from that position through many channels and as the years accumulated gaining the constantly increasing confidence of his superiors, Mr. Sommerer finally became general manager of the purchasing department. Following the acquisition of the Victor Talking Machine Company by the Radio Corporation of America, he was made manager of recording operations of RCA Photophone, Inc.

* * * *

David Grimes Joins The License Division

DAVID GRIMES, radio engineer and writer, has joined the License Division of the Radio Corporation of America, it has been announced. Mr. Grimes has been appointed engineer in charge of the circuit and apparatus section of the recently organized Patent License Division laboratory. The laboratory was organized to cooperate with the various manufacturing companies licensed under RCA patents.

Mr. Grimes is well known in the radio industry for his technical publications and editorial work. He organized and operated the David Grimes Company in the early days of broadcasting. He is a graduate of the College of Electrical Engineers in the University of Minnesota. He enlisted as a private in the Signal Corps in 1917 and was later commissioned and ordered to Kelly Field, Texas, as officer in

charge of radio. During the latter part of the war he went to England, where he engaged in research work in connection with the navigation of airplanes for radio.

After the war Mr. Grimes worked in the development and research department of the American Telephone & Telegraph Company in New York. With the beginning of broadcasting he established his own laboratory where he became widely known for his circuit inventions. He later held engineering posts with the Sleeper Radio Corporation and the Bristol Company, and was vice-president and chief engineer of David Grimes Radio & Cameo Record Company, as well as chief research engineer of Pilot Radio.

During the last few years Mr. Grimes has acted as an independent consultant for a number of radio manufacturers. He is a member of the Institute of Radio Engineers, and the American Radio Relay League, and is radio officer of the New York National Guard Air Service.

* * * *

Second Quarterly Dividends Are Declared

AT the meeting of the Board of Directors of the Radio Corporation of America held on Friday, May 2nd, 1930, the following dividends were declared:

1 $\frac{3}{4}$ % (87 $\frac{1}{2}$ c per share) on the "A" Preferred stock for the second quarter of the year 1930, payable July 1st, 1930, to stockholders of record June 2nd, 1930.

On the "B" Preferred stock—\$1.25 per share for the second quarter of the year 1930, payable July 1st, 1930 to stockholders of record June 2nd.

This Year's Outlook For Radio Tube Business Shows Great Promise

Meade Brunet of RCA Radiotron Points Out the Factors Which Indicate Stability and Expansion

THE radio tube business, according to Meade Brunet, Sales Manager of the RCA Radiotron Company, Inc., gives indication of more stability for the coming season of 1930-31 than it had during the past season. He outlined his reasons.

The desire and intent of radio set manufacturers to keep production in step with demand, a keener appreciation by the trade of vacuum tube quality, a realization by distributors and dealers that the tube business is no longer a side line, together with the fact that the manufacturer of vacuum tubes is facing a market that is both critical and selective, should bring a continuing improvement not only in the vacuum tube market, but also in radio in general.

This season will mark the opening of a vast potential market in the sale of the automobile radio, the development of which cannot be fully appreciated in its importance until we realize that there are approximately twenty-three million passenger automobiles, or one for approximately every five persons in the United States. The potential market for the automobile radio sets is not confined to these passenger cars which now are in the hands of the user. An increasing percentage of the new cars that will be sold this year will be equipped with radio either by the factory or by the dealers service station. The vacuum tubes used for initial equipment in this field should reach

tremendous volume, and in addition, it opens up a market that will considerably increase the renewal market.

The unwired farm market, that is homes in which only battery operated receivers have been used, long has been awaiting the same active cultivation that has been given to the wired home market. The recent announcement of the development of three new RCA Radiotrons of a low voltage, low current drain will make possible the design of sets to reach this field, as well as stimulate the sale of radio receivers for portable use. It is expected that these Radiotrons will mark the beginning of a new era of reception for rural radio.

"With the natural increase in the number of radio sets in use," Mr. Brunet said, "there is a natural increase in the tube renewal market. Fortunately, when the census figures are available there will be some definite data as to the number of radio sets in use in this country. However, if we take the approximate figure of twelve million radio sets, it is easy to realize the extent of this renewal market alone.

"Just as in many other businesses there is a style factor, so the radio tube business has somewhat of a style factor. Last year marked the introduction of the screen grid tube, which, it appears, will be even more popular this coming season. From all indications it appears now that the other standard types of tubes will retain their great popularity.

"All in all, the outlook is good."

Daughter of Inventor of Telegraph Is Guest of General Harbord

*After Luncheon at India House Mrs. Leila Morse Rummel
Sees R. C. A. Communications Central in Action*

MRS. LEILA MORSE RUMMEL, daughter of Professor Samuel F. B. Morse, inventor of the electric telegraph and of Morse

League on April 28th at the Hotel Plaza.

On the 27th, which is Professor Morse's birthday, Mrs. Rummel, attended by a group of relatives and friends, visited the statue of her father at the Mall in Central Park and placed a wreath at the foot of the statue. Then the group drove to the Hall of Fame, New York University, where a wreath was placed at the foot of the bust of Professor Morse. Professor Charles Busse of New York University explained that Professor Morse was one of the first ten men elected to the Hall of Fame. On



MORSE CODE BY NEW METHOD
*Mrs. Rummel, Mr. Sarnoff and General Harbord
in Central Radio Operating Room.*

Code, arrived in New York from her home in Paris on March 20th aboard the North German Lloyd S. S. *Europa*.

Mrs. Rummel came to America to present the self-portrait of her father to Phillips Andover Academy and to attend the annual celebration of her father's birthday by the Morse League of America headed by Richard E. Enright, former police commissioner of New York City. This event was the occasion of a dinner given by the

behalf also of General James G. Harbord, Chairman of the Board of the Radio Corporation of America, a wreath was placed at the foot of the Central Park statue.

Mrs. Rummel was the guest at a luncheon given for her by General Harbord at India House on May 7th. Those present were: Mrs. Rummel, General Harbord and Mrs. Harbord, Mr. and Mrs. David Sarnoff, Mrs. Mabel Rummel Ostby, daughter-in-

law of Mrs. Rummel; Miss Lelia Morse, grand-daughter of Professor Morse; Jack Morse, grandson of Professor Morse; William Brown, Vice-President and General Counsellor of the Radio Corporation; Colonel Manton Davis, Vice-President and General Attorney of the Radio Corporation; W. A. Winterbottom, Vice-President of R. C. A. Communications, Inc.; Colonel Samuel Reber, Special Foreign Representative of the Radio Corporation; A. Spaans of Holland, and Emmet Crozier, L. A. Briggs, J. B. Rostron, C. J. Weaver, W. H. Barsby and Arthur A. Isbell.

After the luncheon General Harbord and Mr. Sarnoff took Mrs. Rummel to the Central Radio Offices of R. C. A. Communications, Inc., and she was much interested to hear signals coming in by radio telegraph from foreign countries scattered all over the world.

There she saw operators sending messages in the code her father invented, but the method of their transmission, without wires, was a development of recent years.

Sound motion pictures of the visit to the Central Radio Offices were made by Pathe and have been exhibited in many theaters.

Mrs. Rummel, well informed and interested in current events, has been widely quoted in the press. One thing that interested especially the interviewers who talked to her was that she never heard a radio until on this visit. She explained that she lived in a quiet sec-



New York Times Studios

MEMBERS OF A FAMOUS FAMILY
Professor Samuel F. B. Morse and his daughter, Mrs. Rummel.



tion of Paris and that none of her friends happened to own radios. She said she would tell them what they were missing.

After visiting her niece, Miss Lelia Morse at Brook Bend Tavern, Monterey, Mass., for a fortnight, Mrs. Rummel will return to Paris, sailing on the *Europa* on June 18th.



PHOTOPHONE ON A SOUTHERN PLANTATION

The Show Boat Theater on the estate of H. M. Hanna, which is near Thomasville, Ga.

Sixty U. S. Army Posts To Be Supplied With RCA Photophone Equipment

*Largest Picture Installation Contract Ever Made by the
Government Follows Use of System*

THE largest contract for the installation of sound motion picture equipment ever made by the government and the second of major importance with the same corporation, has been consummated between the United States Army Motion Picture Service, under the supervision of the Adjutant General's office, and RCA Photophone, Inc., according to an announcement by Charles J. Ross, Executive Vice-President of Photophone.

This second contract, supplementing one previously made and which covered the installation of twenty-five RCA Photophone sound reproducing equipments at army posts, provides for the installation of thirty-five additional equip-

ments in as many army posts. Included in the number is one major installation to be made at the United States Military Academy at West Point. The negotiations in connection with the second contract have been pending for several weeks, during which time the executives of the Motion Picture Bureau took advantage of the opportunity to note the functioning of the apparatus already operating at the twenty-five army posts and to make comparisons with other types of sound reproducing equipment.

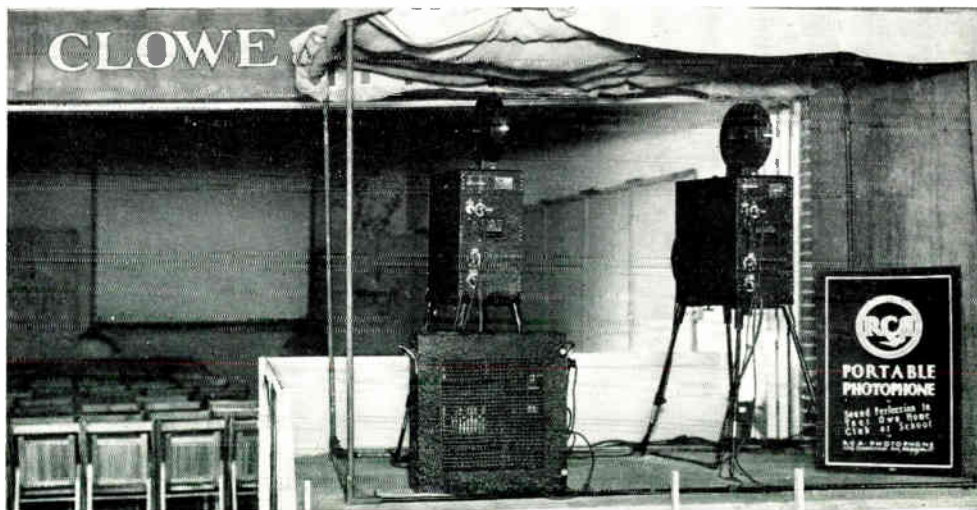
Twelve installations of RCA Photophone's latest models of sound reproducing equipment will be made at once, the first at West Point Military Academy, and the following without delay:

Fort Eustis, Lee Hall, Va.; Fort Clark, Spofford, Tex.; Fort Crook, Neb.; March Field, Riverside, Cal.; Fort Oglethorpe, Chattanooga, Tenn.; Fort Robinson, Fort Robinson, Neb.; Fort Huachuca, Fort Huachuca, Ariz.; Fort Screven, Savannah, Ga.; Fort Des Moines, Fort Des Moines, Ia.; Fort Dupont, Newcastle, Del.; Fort McClellan, Anniston, Ala. The remaining installations will be ready soon.

Army posts already equipped with RCA Photophone sound reproducing apparatus include: Fort Moultrie, S. C.; Fort Humphreys, Va.; Fort Sam Houston, Tex.; Fort George G. Meade, Md.; Fort Monroe, Va.; Jefferson Barracks, Mo.; Fort Sheridan, Ill.; Fort Hoyle, Md.; Fort Bragg, N. C.; Fort Riley, Kan.; Fort Sill, Okla.; Fort Benning, Ga.; Fort Benjamin Harrison, Ind.; Fort Snelling, Minn.; Fort H. E. Wright, N. Y.; Fort Slocum, N. Y.; Plattsburg Barracks, N. Y.; Madison Barracks, N. Y.; Fort Bliss, Tex.; Fort B. A. Russell, Wyo.; Fort Myer, Va.; Fort Ethan Allen, Vt.; Fort Lewis, Wash.; Fort Francis G. Warren, Wyo.;

and also Langley Field, Virginia.

"Naturally we are highly elated over the fact that our earlier installations apparently lived up to our promises," Mr. Ross said in commenting upon the second and larger contract. "Such an expression of appreciation of the quality of sound reproduced by RCA Photophone equipment and the apparent faith in the stability of that equipment is indeed most gratifying. We hope through the continuation of its satisfactory performance that the officers and their families and the great bodies of men who comprise this country's superior land forces will enjoy the programs of sound motion pictures that are provided for them and that RCA Photophone shall always merit this confidence that has been so substantially placed. No department in the government service has contributed more liberally nor more colorfully to motion picture entertainment throughout the world than the army and I believe I can say without fear of contradiction that nothing in picture and sound thrills an audience more than soldiers in action."



PHOTOPHONE DEMONSTRATION AT MOTOR BOAT SHOW
Portable sound motion picture equipment as exhibited at Washington, D. C.

RKO Inaugurates Expansion Program in South by Acquiring Circuit

*The Interstate Chain in Texas, Arkansas and Alabama
Strongly Augments Holdings in the District*



SOUTH'S FINEST PLAYHOUSE
*New Majestic in San Antonio
Flies RKO Banner*

HIRAM S. BROWN, President of Radio-Keith-Orpheum Corporation, recently announced that RKO has acquired the Interstate Circuit of theatres extending throughout Texas, Arkansas and Alabama, from Karl Hoblitzelle, the owner and operator. Through this acquisition, RKO becomes a factor in the South and with this introduction an extensive expansion program will be inaugurated in that territory to augment the RKO's present important holdings in New Orleans, Memphis and other cities.

The theatres comprising the Inter-

state Circuit include the new Majestic Theatre in San Antonio, the newest and finest playhouse in the South, with a seating capacity of 4,000; the Majestic Theatre, Houston with 2,200 seats; the Majestic Theatre, Dallas, with 2,800 seats; the Majestic Theatre, Little Rock, with 1,200 seats; the Majestic Theatre, Fort Worth, with 1,500 seats; the Ritz Theatre, Birmingham, with 1,600 seats; and the Trianon Theatre, also in Birmingham, with 600 seats.

These add a seating capacity of more than 10,000 to the RKO nation wide circuit which already may boast of a total capacity of over one million patrons daily. All the Interstate theatres have installed the equipment for sound and are modern in every respect.

For the operation of these properties, which are taken over at once, the RKO Southern Corporation has been organized. Karl Hoblitzelle will be the president of this RKO subsidiary and general representative in the South and Southwest territory.

* * * *

General Harbord On Santa Fe Committee

GENERAL JAMES G. HARBORD, Chairman of the Board of the Radio Corporation of America, has been elected a member of the executive committee of the Atchison, Topeka and Santa Fe Railroad to fill the vacancy caused by death of Dr. A. T. Hadley.

Talk with Marconi Aboard His Yacht Heard Throughout the Nation

Group of Men in New York Carry on Two-way Conversation with Radio Inventor in a Harbor Near Rome

A GROUP of men in a Fifth Avenue Building in New York and another group aboard a yacht in a harbor near Rome carried on a thirty-minute conversation a few days ago to which the entire nation listened.

In a National Broadcasting Company studio were David Sarnoff, President of Radio Corporation of America; M. H. Aylesworth, President of NBC, Karl Bickel, President of the United Press Association, and other persons prominent in radio. Aboard the yacht *Elettra*, floating home of Senatore Guglielmo Marconi, were the inventor, Mrs. Marconi, Gaston Mathieu, his assistant, and Edward A. Storer, foreign correspondent of the United Press.

The two-way conversation, which was rebroadcast through a coast-to-coast network of NBC stations, began at 6 o'clock in the afternoon when Phillips Carlin, assistant to the vice-president in charge of programs of NBC, called the yacht, then 4,400 miles away. Mr. Mathieu answered from the *Elettra*. Mr. Aylesworth then took the microphone, talked to Senatore Mar-

coni, and then introduced Mr. Bickel, who interviewed the inventor.

Mr. Storer, who was with Senatore Marconi in the chart room of the *Elettra*, also conversed with Mr. Bickel.

Mr. Sarnoff took over the American



TALKING WITH RADIO'S INVENTOR

Seated, left to right, M. H. Aylesworth, David Sarnoff, Karl Bickel; standing, C. W. Horn, O. B. Hanson, Phillips Carlin.

microphone and discussed radio with Senatore Marconi. Mr. Sarnoff also conversed with Mrs. Marconi.

C. W. Horn, general engineer of NBC, and O. B. Hanson, manager of plant operation and engineering of NBC then talked to Senatore Marconi.

Engineers declared the quality of the broadcast was excellent.

Senatore Marconi used a 750 watt transmitter on a wave length of 26.7 meters.

Direct Radio Circuit From New York To Panama Is Put In Operation

*The Service Is Extended to Both Sides of the Isthmus
With Northern End in R.C.A. Communications*

FURTHER extension of the radio communication system centering in New York City was established May 1st when a direct circuit from New York to Panama was placed in operation with the transmission of a message from President Arosemena of the Republic of Panama to President Hoover.

The New York end of the circuit is operated from the Central Radio Office of R.C.A. Communications, Inc., at 64 Broad Street, New York City, and the Panama end by the Tropical Radio Telegraph Company, which just has completed the erection and installation of high speed sending and receiving stations for the purpose.

A public office has been opened in the city of Panama, where the transmitting and receiving stations are, and also at Cristobal where a fast telegraph printer circuit connects the latter with the radio station, thus insuring fast, direct service between New York and both sides of the Isthmus.

This new service constitutes a further communication link between the United States and the Canal Zone.

The rates from New York City for the various classes of service available are as follows: New York City to Panama—Ordinary, 30 cents a word; deferred, 15 cents; urgent, 90 cents; radioletters, 20 words or less, \$2; excess words, 10 cents; week-end radioletters, 20 words or less, \$1.50; excess

words at the rate of 7½ cents each.

On May 10th service also was established directly between the San Francisco Office of R.C.A. Communications and the station in Panama.

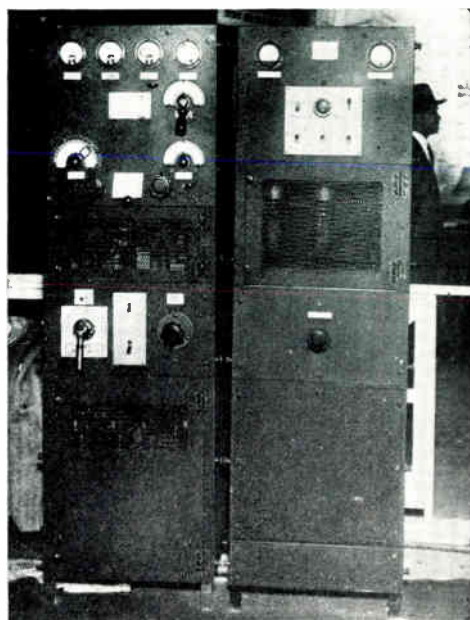
* * * *

Sound Pictures Popular in Far East

LEW KAPLAN, RCA Photophone installation engineer, home from a stay of nine months in the Philippine Islands, China and the Straits Settlements, installed the first sound reproducing equipment heard in the Philippines at the Radio Theatre last July and since that beginning has seen the new medium of motion picture entertainment take a firm grasp upon the people of the Far Eastern countries.

He remained in New York only a few days prior to his departure for Mexico City. Within a short time twenty-three RCA Photophone sound reproducing installations will have been made in the Philippines by the Radio Corporation of the Philippines, most of which will be operated by native technicians who were developed to proficiency by Mr. Kaplan.

There are two RCA Photophone installations in Shanghai, and one in Singapore in the beautiful new Victoria Theatre which forms a part of the city hall. Other equipments are to be installed in the Malay Peninsula in the near future.



NEW AVIATION RADIO EQUIPMENT
*A 200/350 watt telegraph-telephone
transmitter.*

Two New Designs of Aviation Radio Equipment at Madison Square

*Novel Combined Telegraph and Telephone Transmitters
Are "Headliners" of Radiomarine's Exhibit*

TWO new designs of aviation radio equipment were shown for the first time at the recent New York Aircraft Salon at Madison Square Garden by the Radiomarine Corporation of America. One was a 200/350 watt combined radio telegraph and radio telephone transmitter; the other an extremely compact, rugged and light 10 watt radio telegraph and telephone transmitter.

"The airport transmitter," W. G. Logue, Commercial Manager of Radiomarine, explained, "is of special in-

terest to transport operators because it is the only commercial offering which has been designed for both ground to airplane telegraph or telephone use and for point to point radio telegraph work. The set has been developed with the idea that the telegraph feature will be utilized for all long range communications with airplanes (i. e. at distances of more than 50 miles) where 100 per cent communication is desired. The radio telephone will be used for short range work, such as last minute landing instructions and other things for

which a telephone is especially useful.

"The salient feature of the set is its ruggedness and obvious dependability. All parts are oversized and only the best of materials have been used. Another interest to the transport executive is the fact that the transmitter can be used for point to point traffic connected with the operation of the route, thus effecting large savings in land line message tolls and for rentals paid for leased lines between airports. The sets may be used for this purpose under special government authority where the wirelines are not in position to give the quickest service essential to transport operation."

The transmitter is arranged to cover wavelengths from 17.5 to 133 meters and operate on any kind of antenna desired with provision for a quick front-of-panel shift to any two frequencies within a two to one frequency band. The transmitter utilizes a refinement of a standard master oscillator-power amplifier circuit providing maximum output without hum or voice distortion. The telegraph note is pure and clean-cut for long range work through bad atmospheric conditions.

The small telegraph-telephone transmitter, Mr. Logue explained, will interest the private plane owner who desires to talk to the ground to ascertain landing conditions, ask for weather reports or directions. It is arranged to operate on the National Calling and Working frequency for itinerant and sports planes and can be operated from an A.C. dynamotor source of supply or from an A.C. wind driven generator. A rectifier and filter is incorporated in the set. The entire transmitter with its remote control unit weighs approximately 25 pounds and even with its shock-proof frame is only the size of a hat.

All aeronautical ground stations are required to listen for and work with itinerant planes on this National Calling and Working frequency. Dozens of such stations already are established throughout the country and every month sees more opened for service to planes in flight. It will probably be only a short time until planes flying anywhere will be able to communicate with stations along their route, Mr. Logue said.

Radiomarine showed at Madison Square, in addition to these two new features, its Aircraft Beacon and Weather Receiver which, like the short-wave communication receiver for airplane use, is designed for remote control. The Beacon receiver complete with power source, remote control unit, shockproof frame and tubes weighs only 34 pounds 6 ounces. This is the highly sensitive and dependable unit which has found so much favor with transport owners.

A 100 watt combined radio telegraph and telephone transmitter designed to operate from either a dynamotor or a wind driven generator also was shown. Recent tests on the Radiomarine plane indicate that this 100 watt set has a telephone range of approximately fifty miles under ordinary atmospheric conditions and that its telegraph range is several hundred miles.

Another exhibit of Radiomarine was an especially designed A.C. operated receiver for the reception of Department of Commerce voice broadcasts of airways weather reports at airports with airport and aircraft high frequency communication receivers of unique design.

The Madison Square display attracted much attention to progress being made in aviation radio equipment.

Reconstruction of WEAF Transmitter Will Give It High Efficiency

*The Most Modern Equipment Developed by RCA Victor
Used in the Work, which Will Cost \$300,000*

RECONSTRUCTION of the WEAF transmitter at an approximate expenditure of \$300,000 has been started by the National Broadcasting Company. One hundred per cent modulation, better quality of reception in its service radius, and simplification of present transmitting apparatus are some of the engineering goals in the reconstruction program, it was explained. No increase of power on the air is contemplated.

The most modern radio broadcasting equipment, developed and produced by the engineering products division of the RCA Victor Company is being utilized in the rebuilding of WEAF.

The results to the listeners will be many, according to NBC engineers. With improved modulation there will be less interference on WEAF's wave; better quality of reception generally and especial improvement in reception in the Manhattan area.

One of the new features to be constructed is an outdoor cooling pond to be used in connection with the very latest developments in high-power vacuum tubes. These tubes, the UV-862 Radiotron, are five feet high without the cooling jacket and cost more than \$1,000 each. Two of these are used regularly. A total of thirty tubes will be used in the rebuilt transmitter, a smaller number than used today. In one instance, where sixteen tubes are used now in a modulator frame, the engineers will substitute two small tubes

for modulation at a low stage of radio frequency. In the intermediate radio frequency stages three shielded grid tubes, not requiring neutralization, will be used. A new type of rectifier tube, known as the hot cathode mercury vapor tube, will be installed. This tube will handle 20,000 volts at 20 amperes.

Thirty gallons of water per minute will be required to cool the tubes in the output stage, according to estimates. The first three tubes and all associated circuits, including the rectifier and crystal, will be supplied in duplicate. Improved frequency stability is expected through the use of latest developments in quartz crystal control.

Special attention has been devoted to the elimination of spurious harmonics. Faithful transmission of almost every note audible to the human ear will be possible.

An oscillograph will be included in the new equipment. This instrument will give the transmitter engineer a moving picture of the output of the transmitter. A spare power line also will be provided to guard against saturation shut downs should the power line in use be hit by lightning or other breakdowns occur.

When the reconstruction work is completed, WEAF will be the most modern and efficient commercial transmitter in the country, according to O. B. Hanson, NBC manager of plant operation and engineering. One hun-

(Continued on page 34)

New Secretary of RKO Is An Authority on Law Affecting the Theater

William Mallard, the General Attorney of the Company, Has Specialized on Stage and Screen



KNOWS LAW OF THEATER

Specialization fits William Mallard for his position with RKO.

WILLIAM MALLARD, recently appointed Secretary of the Radio-Keith-Orpheum Corporation, is generally considered by his acquaintances to be a native of Georgia, although he was born in New York City. When he was two years old his parents moved to Atlanta, Georgia, and he spent his childhood, boyhood and school days in the South.

He was graduated with an A.B. degree from the University of Georgia at Athens. Later he entered the Law School at the Columbia University in New York City. He was graduated with an LLB degree in 1923.

Upon leaving law school, Mr. Mallard entered the law offices of Cravath, De Gersdorff, Swaine and Wood at 15 Broad Street, New York City and remained there continuously until his connection with Radio-Keith-Orpheum Corporation on November 11, 1929, first as a member of the Board of Directors and more recently, by appointment, as Secretary and general attorney.

Before joining RKO, Mr. Mallard specialized in litigation pertaining to the theatre and motion pictures and he is considered today one of the best informed authorities in the country on theatrical law.

* * * *

Contracts Show Wide Uses of Sound Pictures

SOUND is beginning to invade all manner of places where people assemble. Recent installations of sound reproducing equipment have been made by RCA Photophone at the Y.M.C.A. of the E. I. DuPont de Nemours company's plant at Carney's Point, N. J., the exclusive Lake Placid Club, Lake Placid, N. Y., the Municipal Pier at Avalon, N. J., and on several trans-Atlantic and trans-Pacific steamers.

A Roving Microphone of NBC Beards The Bronx Lions in Their Dens

*Tigers, Elephants, Wolves and Other Animals Are Heard
by Millions in a Most Unusual Broadcast*

ONLY a circus press agent with long years of training could begin to describe the cast of the National Broadcasting Company's most unusual program of the year. Lions, tigers, elephants, wolves and other creatures of the jungle and wilderness were the actors. They per-

mobile transmitter, recently put in service by NBC, made the stunt possible.

Miss Madge Tucker and the child actors who are heard with her in "The Lady Next Door" and the NBC Children's Hour escorted the microphone through the zoo and their spontaneous comments on the antics of the animals dramatized the trip.

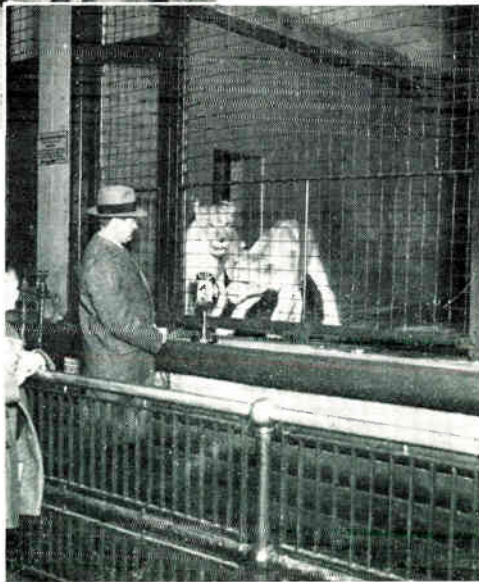
The trip through the zoo started in the bird house and the cries and songs of the tropical birds came clearly through the air. As the radio party approached the seal pool a keeper
(Cont'd on page 31)



HARD TO KEEP TAMED
*Human Youngsters as Enthusiastic as Cubs
in Zoo Broadcast*

formed; a million listeners heard them and another unusual adventure was credited to the roving microphone of the NBC.

The broadcast, picked up from the Bronx Zoo on a recent afternoon, required more than a week of rehearsal and preparation. William Burke Miller, NBC's specialist on unusual programs, staged the show. The new



The Cable Landing Act and Radio

THE Cable Landing Act was incorporated into the Radio Act of 1927 by adoption. The law goes far. It cannot, however, mean or require more in the Radio Act than it does in the Cable Act.

Now observe that when Americans go abroad to land their cables on foreign shores, the law does not attempt to require foreign countries to help the Americans land their cables or help the Americans operate their cables in such country. The law does not require foreign countries to furnish operators, terminal facilities or to handle, to solicit or to furnish traffic at the other end of those cables. All this would be required were foreigners coerced into furnishing trans-oceanic terminals for American radio circuits.

Colonel Manton Davis before the School of Law of New York University.

Development of International Radio Is Traced by Colonel Davis

*The Address By the Vice-President and General Attorney
at N. Y. U. Law School Outlines Big Problems*

PROBLEMS of international radio and what has been done to solve them were discussed by Colonel Manton Davis, vice-president and general attorney, in a recent address on "International Radio-telegraph Conventions and Traffic Arrangements" before the School of Law of New York University. The address was one of a series dealing with the field of law affecting radio given at the school by outstanding authorities.

Colonel Davis traced with detail based on intimate knowledge the development of traffic arrangements, beginning with the Berlin Conference of 1903, the first international radio conference.

"Those who would ask the government of the United States to aid in breaking down RCA's foreign traffic contracts," he said in conclusion, "really

ask that the foreigners be required to cooperate with the Americans in establishing radio circuits; in fact, to handle and to be the other ends of those radio circuits; to furnish operators, terminal facilities and to handle, to solicit and to furnish traffic at the other end of those circuits. What is asked is that America shall demand of foreign countries that they violate their radio contracts with one set of Americans in order to make other and different contracts with yet other Americans and that foreign countries establish radiotelegraph circuits with many different Americans, regardless of whether the foreigners believe that circuits so established will be good or bad or will serve them well or ill or will serve them as well as they are already being served. All this goes far beyond anything required by the

Cable Landing Act.

"In view of America's laws concerning foreigners in respect of radio in the United States, it is not likely that our country will attempt to tell foreigners how they shall operate their own radio stations in their own countries or attempt to make them do business with one set of Americans of whom they know nothing at the expense of another set of Americans they know well.

"Questions of policy need to be considered. In no first class country, save the United States, are there a number of radio organizations licensed to carry on international radio communication. On the other hand, practically all of them have permitted, a unification of all their international communication agencies, wire or radio. Conspicuous among these is the British Merger. The Imperial Wireless and Cable Conference Report, 1928, and the proceedings following are quoted in full in 'Hearings Before the Committee on Interstate Commerce, United State Senate,' on S. 6 at page 690, et seq.

"Among the reasons why a sound public policy would seem to prevent

many radio organizations being licensed by a single country to carry on international communication are the following:

"Available frequencies are all too few to serve the world. A division of those available for use in a single country

among many agencies in that country would prevent any one agency having frequencies sufficient to give the public a comprehensive service.

"If a number of radio organizations be licensed in one great commercial country, each of them would reasonably demand a correspondent in each of the great commercial countries of the world. Each of those countries would then need to make duplicate allocations of frequencies to its

own stations in order to complete the number of circuits required by the duplication of stations licensed in the other countries. Frequencies available would not admit of this.

"If foreign countries should decline or be unable to license duplicate stations, then the duplicate stations in the country which did license such would go unserved or else would divide time and some of them stand idle, while the others were being served. This

Government Policy Is Basis of Contracts

IT has been contended that in foreign countries communication is a government monopoly or it is carried on in those countries by private enterprise to which those governments have granted monopolies; that the RCA correspondent in most countries has a monopoly and no other correspondent is to be found in those countries; that this makes RCA's arrangements "exclusive." The response is obvious. This is a condition which RCA did not create, for which it is not responsible and the remedy for which, if any be required, rests with those countries. It is outside American jurisdiction.

—
Colonel Manton Davis before the School of Law of New York University.

would not give the country licensing duplicate stations more radio service. It would only increase the number of stations without enlarging the service.

"Duplication of stations not required for the traffic available unnecessarily increases the cost of the service, tends toward rates being higher than necessary and hazards the public's money invested in stations some of which will likely fail.

"Duplication of stations obviously duplicates plant, overhead and operating expenses and, when unnecessary, hazards investment and increases cost of service.

"America has adopted the policy of licensing duplicate stations for international service. Other countries have unified their traffic. When new traffic contracts come to be negotiated between America and another country, the foreigner will control all the volume of the traffic of his country and he will find a number of Americans competing for his favor. The results of such competition will obviously benefit the foreigner and will benefit none of the competing American companies nor will it benefit any one of the American public.

"The favor of the foreigner may determine the question which of the American stations will survive and which die. It will then be foreigners and not Americans who will decide who will carry on radio communications in America and on what terms and conditions.

"All these are questions which cry aloud for sound judgment, lofty patriotism, careful study and sober thought. Into their decision passion and prejudice should not enter. International radio communication service

is too important to the people to allow it to be made the football of domestic politics."

* * * *

Interesting Survey In "Radio and Its Future"

JUST what radio has accomplished and is accomplishing is reviewed through the medium of men who are authorities in their respective branches of the American radio art and industry in a book called "Radio and Its Future," which just has been published. Martin Codell, the editor, is a Washington correspondent who formerly conducted the radio column for the North American Newspaper Alliance and now conducts his own service, known as Radio News Bureau. Among the twenty-eight prominent contributors to "Radio and Its Future" are: David Sarnoff, President of the Radio Corporation of America; Major General James G. Harbord, Chairman of the Board of the Radio Corporation of America, and Merlin H. Aylesworth, President of the National Broadcasting Company.

The book covers the entire field in detail and will be of interest to everyone concerned with radio and its technical, political and social possibilities, as well as to the layman who wishes to trace the development and future progress of broadcasting and its allied uses.

An indication of the comprehensive scope of the book is seen in the fact that it starts with the chapter on American beginnings by H. P. Davis, Vice-President of Westinghouse Electric and Manufacturing Company, and ends with a discussion of television and the future of radio.

A Strong Section of the Naval Reserve in R. C. A. Communications, Inc.

*The U. S. Navy Recognizes a Highly Trained Group and
Creates a Special Unit at the Radio Central*

THE Communication Reserve Section of the United States Naval Reserve, which has been built up within the RCA Communications, Inc., officially known as Section V (Transoceanic) Communication Reserve, U. S. Navy, comprises the officers and men of the Central Radio Office at New York and the remote control stations that are included and covered by the Third Naval District.

When the Naval Reserve was re-organized in July, 1925 the Navy Department recognized the fact that there was a potential, highly trained, and useful personnel within the RCA Communications and that if this personnel were enrolled in the Naval Reserve it would fill in a much needed want in the Naval Communications Service during a national emergency. Therefore, it was decided to include as many officers and men as possible from the Central Radio Office, creating a separate section for these activities.

Efforts have been very successful in enrolling a number of men and at the present time a detail of approximately ninety officers and men are attached to Section V. In addition to these there are others of the Central Radio Office personnel belonging to the National Guard and Marine Corps Reserve, not forgetting, of course, several young men who have taken the opportunity to train with the C.M.T.C.

Should a national emergency arise, the Navy Department would be able

to select practically any of the commissioned officers of RCA Communications, Inc., for communications or censor duty and leave sufficient officers and men for whatever use is made of the Central Radio Office.

As it is recognized by the Navy Department that the personnel engaged in the operations of the RCA Communications is receiving intensive training in its civilian capacity for the duties which would be required in time of war, no drills other than voluntary ones are required during peace time.

Information has also reached us that in time of war the officers and men now enrolled in the Reserve will be in line for promotion and other benefits before the men who would volunteer after the emergency had arisen and others brought in by compulsory draft.

Unit 1 of Section V is under the command of Lieutenant Thomas H. Anderson, USNR, with Lieut-Commander Charles J. Weaver, USNR, as Section Commander.

* * * *

S. S. Innoko Praised for Its Work in Relaying

A letter to A. J. Costigan, Traffic Superintendent of the Radiomarine Corporation, from F. D. Heiser, Manager of the Chatham Station states:

"We desire to commend the S. S. *Innoko*, KITJ, for the excellent work it is doing in relaying traffic. This ship is outstanding."

RCA Institutes Is About to Open Five More Schools of Radio

*Branches To Be Started Next Fall in Cleveland, Chicago,
San Francisco, Los Angeles and New Orleans*



FUTURE EXPERTS IN RADIO
*A classroom in the New York School of
the RCA Institutes, Inc.*

THE RCA Institutes, with schools already flourishing in New York, Boston, Newark, Philadelphia and Baltimore, besides a correspondence course which at present enlists about 9,000 students, is about to open five more schools.

R. L. Duncan, president of the RCA Institutes, has left New York for a trip to Cleveland, Chicago, San Francisco, Los Angeles and New Orleans, where he will institute preparations leading to the opening of branch schools in these cities next September.

Like the present schools, the new ones will have both day and night sessions in all the departments leading to a sound radio training. Proposed locations for the new schools and leases therefor are to be considered as well as personnel and such matters as equipment, of which each school will have the latest type.

"Manufacturers of radio receivers, parts and equipment," Mr. Duncan said, "as well as broadcasting stations, talking motion picture concerns and dealers' representatives are demanding more and better-trained men. Radio is tightening up. Only the well-qualified can succeed.

"These are the primary factors leading to the establishment of the new RCA Institutes branch schools throughout the country. Correspondence School students, wherever they may be, will have an opportunity to do their laboratory work without coming to New York. Their post-graduate study may be carried on at whatever school is most convenient."

Lights burn late at 75 Varick

Street, New York, the headquarters of RCA Institutes. All through the day resident students work at code or in the various other courses which abound at this well equipped radio school. Some are in the service department, learning how to repair all types of receivers, under the guidance of trained instructors. Others are in talking motion picture classes. The "talkie" student learns how to install and service the equipment that is now being placed in thousands of theatres the country over, in addition to the recording machinery in the motion picture studios.

Other courses take the student backstage in a big broadcasting station or to the radio room on board ship. In these and allied pursuits the student at RCA Institutes labors from 9:30 in the morning until 4:30 in the afternoon.

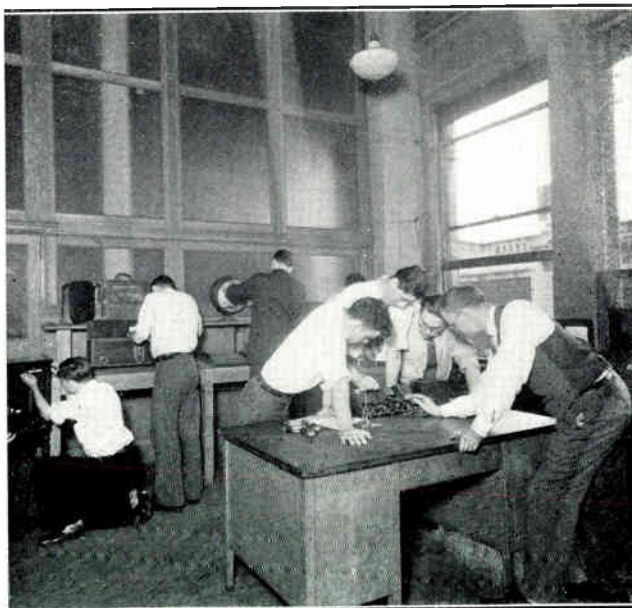
In the evening he may spend a couple of hours on homework. One enterprising student spends several evenings each week at the school, helping the night students, most of whom work during the day at occupations varying from clerkships to professorships, from electrical work to executive positions. The day student, freer to devote his time to radio, finishes his course in about 5½ months. The night course takes about nine months.

In addition there are nearly 10,000 correspondence students, whose work is corrected and commented upon by competent instructors at The Institutes. Verily, they do burn the midnight oil at 75 Varick Street.

An example of the school's thoroughness is in its use of static.

Vast sums have been spent in trying to eliminate it. Tons of literature has appeared on the subject. Yet today we find radio interference actually produced and introduced in radio traffic.

Briefly, in simulating actual operating conditions, the radio students at the RCA Institutes are treated to a liberal dose of radio interference. Aside from transmitting several signals simultaneously to the code tables, there is added a liberal application of interference similar to static, to complicate reception. In this way students are trained under the same general conditions as may obtain when they are at sea, working their profession. Little wonder that the student of today is at the key of the ship's transmitter six months later, performing with the ease and the skill of a veteran operator.



SOLVING A HARD RADIO PROBLEM

The students of RCA Institutes meet in class the practical tasks of their profession.

Photophone Engineer Makes Long Tour

JOSEPH S. CLARK, RCA Photophone installation and service engineer, has returned from a fourteen-month trip which covered a considerable portion of the United States and a prolonged survey and installation program in Mexico.

While in Mexico he supervised the service of RCA Photophone sound reproducing equipment in the Cine Colitemo, the largest motion picture theater in the Republic, having 5,500 seats; the Cine Royal, the Cine Lux, the Cine Majestic, the Cine Bucurari and the Cine Alcazar.

Prof. S. P. Goodhart of Columbia U. Proves Value of Sound Pictures

*Demonstration of Use in Education Attracts Audience
which Fills McMillan Academic Theatre*

IN the presence of an audience that taxed the capacity of McMillan Academic Theatre at Columbia University in New York City, Prof. S. P. Goodhart of the Department of Neurology recently gave an interesting and highly instructive demonstration of the value of sound motion pictures in the field of education. The demonstration was made possible through the installation of RCA Photophone portable sound reproducing equipment in McMillan Academic Theatre and through the employment of a number of sound pictures that were recorded on film in the RCA Photophone studios.

Of particular interest to those in the audience who were attached to Columbia University was an address by President Nicholas Murray Butler, whose presence was felt in spite of the fact that he was in Europe. Dr. Butler's address was included in the program arranged by Dr. Goodhart to illustrate the possibilities of the modern

method of transporting a personality to any corner or all corners of the globe. It was this address which was recorded after Dr. Butler was invited to talk to the members of the Los Angeles Alumni of Columbia University at the annual meeting in February. Finding it impossible to journey from New York to California and at the suggestion of John Boyce Smith, a Columbia alumnus, Dr. Butler went to the RCA Photophone Gramercy studio in New York City where he spoke, for the most part on his impression of the scientific achievement that had produced the sound motion picture. Mr. Boyce-Smith carried a print of the recorded address to Los Angeles and the alumni heard and saw their illustrious president who at the same hour was delivering a similar address in person at another alumni banquet more than 3,000 miles away.

Other features presented at Dr. Goodhart's demonstration included an

earthquake subject synchronized with a lecture by Dr. F. K. Mather, professor of geology at Columbia University; an exceedingly interesting subject showing the operation of an automobile engine; a demonstration of precision movements in aquatics with a synchronized talk by Grantland Rice, and a vivid exposition through synchronization of the value of sound pictures in connection with the treatment of nervous diseases by Prof. Goodhart.

In a brief introductory talk by Prof. Goodhart, in person, he clearly indicated his enthusiasm over the potentialities of the sound picture as an adjunct to any course of study in school or college and predicted the talking picture would be of great educational value to future generations.

* * * *

Roving Microphone Beards Lions in Their Den

(Continued from page 23)

waved several fish at the seals and the seals barked. Listeners heard them. From the seals the microphone went to the monkey house where orangutangs and chimpanzees squealed, roared and shook the bars of their cages.

The lions had missed a meal and

were surly when the microphone was carried into the lion house. It was not difficult to make them roar—and they did.

Transmission from the zoo was by short waves to a special short wave receiver. The program then was routed into the regular network. Quality was excellent according to engineers.

A carbon microphone with an extension wire more than 150 feet long was used to pick up the program from the various animal houses.

Robert Morris, NBC development engineer, and M. Jacobson, field supervisor, had charge of the technical details of the broadcast.

* * * *

Three Religious Programs in Summer

THREE series of religious programs have been arranged by the National Broadcasting Company for the summer. These will be inaugurated Sunday afternoon, June 1, and will continue until Sunday, October 12.

The three presentations are the Friendly Hour, which features Dr. J. Stanley Durkee; the National Sunday Forum, featuring Dr. Ralph W. Sockman, and the Twilight Reveries, featuring Dr. Charles L. Goodell.

A. G. Hulan in Charge of Installation

A. G. HULAN, for the last several months national installation supervisor of RCA Photophone, Inc., has been appointed assistant manager of the Installation and Service Department in charge of installation.

Mr. Hulan will be responsible for the activities of the department from the time the exhibitor's contract is accepted to one week following completion of installation. At the conclusion of that period, the installation will be turned over to C. L. Lootsen, assistant manager in charge of service.

RKO Officials Take Time Off to Play and the President Is Winner

*James H. Turner Is Runner-up in the Spring Tournament
of the Company's Golfers—Ball Team Is Good*

RADIO - KEITH - ORPHEUM executives and officials apparently are not too pre-occupied with RKO's progressive expansion and development program to neglect recreation and relaxation. The organized encouragement of pastime both in golf and baseball has brought about a spirit of good natured competition and fraternizing that is reflected in the spirit of this big amusement institution.

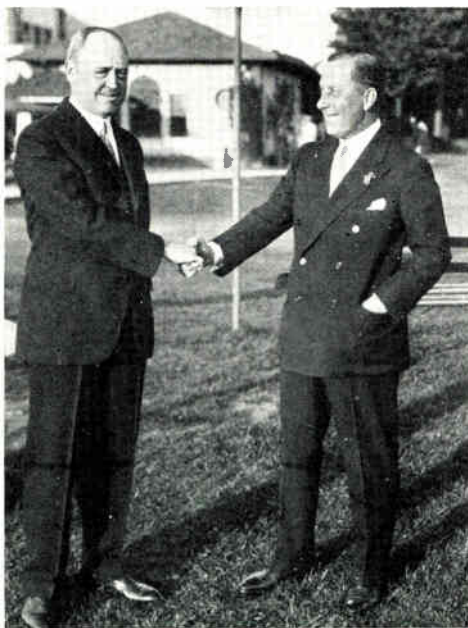
Twice each year the RKO Golf Club has a tournament that is eagerly looked forward to by its members and at present the RKO baseball team is giving a good account of itself in the Motion Picture Baseball League.

The Spring golf tournament just has ended. It lasted two days and was held on the links of the Westchester Country Club. The championship trophy this year was won by Hiram S. Brown, President of RKO. James H.

Turner was runner-up. The winner of the qualifying round was Hon. J. Henry Walters with Harold Kemp second. The contestants were divided into five flights, and the winners and runners-up of these divisions, other than the championship flight were Joseph I. Schnitzer,

President of Radio Pictures, Frank O'Brien, Jesse Freeman, Harry Fitzgerald, Jefferson Davis, Lewis Moseley, Jack Dempsey and B. B. Kahane.

The winners of the consolation rounds were William McCaffery and J. Henry Walters in the championship flight, and Lee Marcus, Fred Schanberger, Ben Piazza, William Weeden, M. Osterer, Philip Offin, Lawrence Puck and Jack



AFTER THE FUN WAS OVER
*Hiram S. Brown, President of RKO, is
being congratulated by J. H. Turner,
runner-up.*

Weiner.

The officers of the RKO Golf Club for the ensuing year are Charles J. Freeman, President, Harvey Watkins, Secretary and Treasurer, and A. Frank Jones, Scorekeeper and Handicapper.



LEADERS IN A SPECIAL CAMPAIGN FOR JUNE

Major L. E. Thompson, left. Eastern Assistant to RKO General Manager, and N. J. Blumberg, Western Assistant General Manager, are busy in their districts.

Theaters of RKO Are Headquarters of "June Joy Shows" Campaign

The National Feature Is One of a Series to Stimulate Interest Throughout the Entire Circuit

"JUNE JOY SHOWS" is the slogan adopted for Radio-Keith-Orpheum theatres during the current month, it has been announced by Joseph Plunkett, vice-president in general charge of RKO theatres. Since the first of the year, various novel campaigns of national scope have been organized over the circuit of theatres with the idea of stimulating interest among amusement seekers throughout the nation and to promote competitive action and co-operative relations with merch-

ants, officials, neighbors and citizens.

Those that have gone before have been full of interest and have developed a high degree of ingenuity and originality among the operating forces, both divisional and resident.

This month the RKO theatres everywhere will be the headquarters of "June Joy" and interest is being centered by the booking officials, both in the film and vaudeville or stage departments, to carry out the full meaning of this descriptive title. The month

lends itself to many engaging tie-ups. It is the month of weddings; the end of school, with its graduations; the beginning of Summer with its vacation periods.

Some of the managers have offered vacation prizes for the most popular working girl. Others have developed interesting June poem, limerick and poster competitions.

In many of the plans, the RKO affiliations will find splendid opportunities to co-operate and all local dealers and exchanges are cordially invited to get aboard the RKO "June Joy" Special and make it a really worth-while early Summer adventure.

* * * *

A Talking Picture "Set-up" in Ten Minutes

THE sound picture as an agency of value to the busy executive who desires to transmit a message, but finds it inconvenient to deliver it in person, was demonstrated at the convention of the Society of Motion Picture Engineers in Washington. At the conclusion of the banquet in the Wardman Park hotel, two RCA Phonophone portable sound projectors and a screen were set up in ten minutes.

Addresses previously recorded were delivered in sound motion pictures by David Sarnoff, President of the Radio Corporation of America, John E. Otterson, President, Electrical Research Products Company, Harold B. Franklin, President, Fox West Coast Theaters, Irving Thalberg, Production Manager of Metro-Goldwyn-Mayer Pictures Corporation and several prominent motion picture stars.

The dinner was only one of several recently with speeches by sound motion pictures.

WEAF Transmitter Is Being Reconstructed

(Continued from page 21)

dred per cent modulation, means that everything that goes into the microphone comes out of the antenna and this is the goal that the engineers assigned to the WEAF job are confident of achieving.

Twenty-five engineers have been assigned to the job. Raymond Guy, NBC Radio Engineer, is supervising the project, which is expected to take five months to complete.

Regular transmission from WEAF will not be affected by the reconstruction work, it was stated.

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Progress of the R-100 To Whole World by Radio

SOME day soon, when the British dirigible R-100, the world's largest, visits this continent, its progress will be flashed around the world by radio. As the great silver bag pokes its nose over the rim of the Atlantic the ether waves will carry the news to the listening millions in Canada, where she will land, and in the United States.

Stations throughout Canada and a nation-wide network of the National Broadcasting Company will carry the story. The date hinges on the weather.

If plans for short-wave broadcasting and rebroadcasting are put through, Great Britain will also "witness" the completion of another aviation epic, and "beams" will carry the news around the world.

Some day in the near future—the exact date hinges on the weather and preliminary tests—the monster dirigible will be "walked" out of her hangar.

Automatic Radio Stations May Send Polar Weather Reports

Dependable Operation of the Transmitters Would Pave the Way for More Accurate Forecasts

DATA on weather conditions in uninhabitable regions of the polar areas may be transmitted to central weather bureaus automatically by self-operating radio transmitters, if plans now being made in Europe prove successful.

Dependable operation of the transmitters may pave the way for expansion of the data-gathering work of the weather bureaus of the various nations, on which weather forecasts are based, and if the proposed experiment is carried out it will be watched with interest from Washington.

Establishment of the mechanical weather bureaus is contemplated by an international society interested in arctic exploration, which is desirous of securing dependable information regarding weather conditions in the polar regions over a sustained period of time.

The equipment for each station would weigh about 3,000 pounds. Transportation of the stations would be by airship, and a number would be installed on the ice at various points. Automatically each station would broadcast its weather data three times a day, the information being received and recorded at a central station in an inhabitable country. It is said that the plants are capable of one year's operation without attention, and may be kept in operation over a long period by yearly servicing.

Successful operation of automatic weather data transmitters, it is believed, would go far toward solving the problem of keeping aviators constantly informed of conditions in areas over which they must fly. The United States Government is now furnishing such information on the principal airways, but extension of air routes in the next few years will require such a large number of stations as to make their cost and maintenance an important consideration. It is believed that the oral reports as now made will be continued from important points along the major routes.

The weather reports now sent out are by telephone, and the automatic transmitters would naturally use a code, but it is believed that a simple system of signals could be devised which would be easy for aviators to master. With the regular weather reports from central points and more frequent transmissions from automatic stations at intermediate points, showing sudden changes in conditions which may occur, a pilot at all times would be in possession of complete information regarding weather conditions along the route he was traversing.

The study of weather conditions in polar areas has been one of the objects of nearly all polar explorers. Its importance for accurate forecasts has long been recognized.

Radiomarine Sails into the Baseball Season Ready for Any Storm

After Whooping Victory in the First Game, a Little Static Develops, But Critics See A Bright Future

By A. W. TIMONEY

BASEBALL is now foremost in the minds of millions of ardent fans and it is to be expected that the employees and friends of the Radiomarine are interested and pleased by the present Radiomarine baseball team. It promises to be stronger than any Radiomarine team of the last several seasons.

The officials of the organization are giving hearty cooperation and the players are responding with their best endeavors to improve their game. A hard and full schedule is in front of the team, but good baseball critics have no hesitancy in saying that our team should win the majority of its games and that it will take an amateur team of class to defeat it.

The first game of the season was a walk-away for our boys. They slaughtered a team representing the New York City Board of Water Supply by the lopsided score of 21 to 2. The slugging of the batters and the fine defensive work of our boys characterized the game. It was played at Decker Heights Park in Brooklyn, on Saturday, May 3rd. La Rocco and Kamar did a Babe Ruth and were credited with home runs. Feeley and Kamar, the battery, elicited only praise.

Our boys booted away the second game at Central Park by loose fielding. The strong aggregation from the New York Stock Quotation was victor by

the score of 8 to 7. The game was exciting and close throughout. The lead see-sawed back and forth and the final result was in doubt until the last man was retired in the ninth.

We do not wish to take any credit from the winners for they played clean baseball and are good sportsmen, but—get the unprejudiced truth from a Radiomarine rooter whose loyalty is unquestioned—"The score was the result of the 'breaks,' aided by a questionable decision of the umpire in calling what was probably a foul ball, fair, followed by a couple of bad errors by our players, who were evidently upset by the decision. The opposition scored a lucky victory."

The fielding and throwing of our boys was very ragged, but will beyond doubt improve with practice. Feeley pitched a great game, holding a team, with the reputation of sluggers, to a measly six hits. He was ably supported by his battery mate, Captain Kamar. With decent support our boys should have walked away with this contest, for the winners earned only two runs by clean hitting.

A few more practice sessions should see the Radiomarine team rounded out to a finished fighting team. We have the material and the way the boys are working leaves no doubt as to ultimate power and defensive skill.

LaRocco made a homer and Bilyk

would have had a four-bagger—if he had not stumbled between second and third—for he made the longest drive of the day. Egidio did a splendid job of patrolling the center field and handled four chances cleanly.

The girls were on hand, rooting strenuously for their favorites.

The next game will be with RCA Communications and we predict that it will be well worth seeing.

The play of the boys in the first two games was very pleasing to their followers, who are of one accord in prophesying that many victories are in store for our team this season. The Lord knows, "what is writ in the stars," but many say they can read handwriting on the walls as far as most of the coming games are concerned and it says "they are in the bag."

* * * *

International Broadcasts in Series

(Continued from page 8)

P. M., Eastern Daylight Time. Sir Philip's talk was a general introduction to the exchange, with emphasis on its purpose to promote better understanding and intelligent criticism of national institutions in the light of international relations.

On the following Monday afternoon, May 19, William Hard, political correspondent who covered the London Naval Conference for American listeners, spoke for the United States. His analysis of "The Differences of British and American Politics" was heard in Great Britain and America from 4:40 to 5:00 P. M., Eastern Daylight Time.

In the remaining broadcasts, which are tentatively scheduled to end July 7, modern political tendencies, economic

conditions and trends in literature will all receive a share of the discussion.

The international radio forum is part of a carefully planned campaign to use broadcasting in promoting world amity, M. H. Aylesworth, president of NBC, said.

"America is going to be the chief world power of the Twentieth Century," Sir Philip Kerr told British radio listeners in the opening broadcast, while the United States listened in. He praised the United States as "the largest, the most powerful and in many ways the influential country in the world," and spoke at length on the enterprise and industry of the individual citizens.

* * * *

Entire Columbia Program in RKO Houses

(Continued from page 7)

Glennon, Louis King, Al Ray and E. Mason Hopper.

Among the prominent stage and screen stars who are playing in Columbia productions are Jack Holt, Ralph Graves, Evelyn Brent, Barbara Stanwyck, Dorothy Revier, Joe Cook, William Collier, Jr., Margaret Livingston, Johnnie Walker, Sally O'Neil, Molly O'Day, Sam Hardy, Aileen Pringle, Ian Keith, Joan Peers, George Sidney, Charlie Murray, Lowell Sherman, Marie Prevost and Matt Moore.

Through the erection of a number of sound stages, the Columbia studios have nearly doubled in size in the last year. Combined with vast laboratory facilities, they give the company ample footage not only to take care of its entire output, but also to supervise every phase of production from the selection of vehicles to the projection of the reel in the theatre.

Patent Department, Radio Corporation

AT 1 o'clock on a Saturday afternoon in March, to be exact March 28, the members of the Patent Department, as was their wont, took their wraps, locked up their desks and got out and under the sun.

Monday, March 30, to be exact, they returned at 9 o'clock as was not their wont, to find that there had been some goings on over the week-end. No need for fright, thought the Patentites, we shall see if our desks are anywhere to be found. It is, of course, understood that minds like those possessed by the members of the Patent Department were not easily panic-stricken. Instead of calling the police, ambulance and fire department to solve the mystery each Patentite assumed the role of sleuth and fared forth in search. Every desk which had been missing was accounted for and not a single desk lost.

In case the rest of the readers want to know what it's all about, here it is in a bookshell. The Patentites' offices

were rearranged and desks were efficiently moved over the week-end.

By this time you will concede that the Patentites are clever. But they are also popular girls and boys. This will be evidenced by the fact that we have two engagements to announce, to wit: Miss Babe Urig is affianced to Mr. Harry Merman. Miss Helen McLaughlin is affianced to Edward McGuire.

* * * *

Pacific District, RCA Victor Company, Inc.

MAY 9, 1930!! A sorrowful and yet a happy day when the close friends of L. W. Yule gathered amid the pleasant surroundings of Tait's-at-the-Beach, to say good-bye to him who has come to mean so much to each of us here on the Pacific Coast.

The surroundings were typically Californian. From the dining room could be seen the setting sun sinking slowly into the Pacific, not a hundred yards distant. The soft tapestries and furnishings of the grand old resort lent magic



SOME OF THE R.C.A. COMMUNICATIONS MESSENGERS

Here Is a Group of the Alert Young Men in Uniform Who Are the First Point of Contact with Many Radio Telegraph Customers

to a fond farewell. There wasn't a heart among us which was not gladdened in that "Les" was leaving for greater accomplishment and that he was leaving with each of us personally something tangible in a great friendship and an accumulation of greater knowledge gained from knowing him.

During the dinner, wires and telephone calls from the men in the field gave us their sentiments. Perhaps the only sorrowful aspect was that those men could not lend their presence to such a gala evening. Byron McDonald, who so ably will assume his new duties as District Manager, in a sincere and most adequate manner told Les of our affection, of what his presence has meant to us and of the loss that will entirely be ours.

A beautiful wrist watch inscribed, "From your RCA friends on the coast, May, 1930," was our offering of remembrance.

G. Harold Porter, Ralph R. Beal, T. L. Love, B. C. McDonald, A. P. Matthews, A. B. Pontius, R. M. Hoey, F. Lee, C. R. Wordworth, E. S. Bancroft, C. R. Klinger, H. D. King and J. M. Tuttle comprised the farewell group.

To you, New York, we give the companionship and knowledge of one who is dear to the hearts of all of us. An executive of marked ability, a rare personality, a Hale fellow well met—Leslie Willard Yule.

Ed. Cowles, District Service Manager, left for New York several days ago, but was overtaken at Sacramento a few hours from San Francisco by his Honor, the "Stork." Mother and baby are doing fine and the Cowles family has our heartiest congratulations.

We welcome Fred Mulvaney as District Manager, RCA Radiotron Co.

Fred comes to us with a host of friends wishing him success in his new position and everyone in the RCA Family is mighty proud in having Fred associated with us.

Miss Edwards Pickett was transferred to the RCA Radiotron Company, Inc., and is the Secretary of Mr. Mulvaney.

Lew Frost left last month and has taken over new duties at the N.B.C. and Jimmy Tuttle is now handling his work pro tem.

* * * *

General Traffic Accounting, R.C.A. Communications

SUDDENLY realizing that we have been too retiring in the past, we have decided to record some of the facts about ourselves, favorable or otherwise.

To begin with, we have some very eligible young people we should like to introduce to you. (We have as yet been unable to figure out just what they are eligible for). They are:

Mathew Belanus, who gets terrific headaches from colliding with the moon.

Caroline Krooks, owner of an expensive pair of eyes and a sizable appetite. Hubert Ulrich Cappé, curly haired and blue eyed, who says that judging from his name his parents weren't so fond of boy babies.

Miss Kollmeyer, to whom we extend our welcome to the department.

Harold Vincent Williams, who boasts three dimples, wavy hair and a love for squirrel feeding.

Vera Keating, red haired and possessed of a great liking for apples.

Paul Wilkinson whose figure is the envy of all the girls.

Miss Cunel, quiet and likable.

Andrew Ryles, owner of a new road-

ster and past director of a home for sparrows.

Catherine Glasser, charming bridge player.

George Tham, who has a sunny disposition and is very kind to animals.

Mrs. Bagart, the B.A.R. lady with the smile.

Ted Greimsman, happy-go-lucky, whose favorite author is Eleanor Glyn.

Lastly Frank, who attends to all our wants with an outward showing of willingness and, possibly, an inward brewing of murder in his heart which would be pardonable sometimes.

After which roll call we can withdraw again into our shells until next issue when we hope to have a lot of interesting events to lay before the public eye.

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Commercial Department RCA Communications

AFTER more than thirty years of traveling all over the world and in places back of the beyond, Arthur A. Isbell quite logically thought that after he was appointed Commercial Manager, his traveling oscillations would be entirely damped. However, when Vice President Winterbottom said to him several times, over a period of three or four weeks, "whom shall I send to San Domingo?" Mr. Isbell knew that he might just as well offer to go again, and he did.

We are glad to welcome him back to his desk after an absence of about eight weeks in the lands of "mañana" during which he unintentionally covered one of the combined rail, air and steamship tours advertised by the Pan America Airways. Mr. Isbell reports to us that the trip from Santiago de Cuba to Haiti and the Dominican Republic, which on a former occasion occupied

sixty hours of extremely difficult and sometimes dangerous traveling, particularly in the mountains of Haiti and the Dominican Republic, by automobile, was covered in his recent visit in six hours and that the steamer trip from the Dominican Republic to San Juan-Porto Rico, which normally requires eighteen hours, was covered in the air in two hours and a half.

The air-voyage from Santiago to Haiti and the Dominican Republic was made in a NYRBA seaplane with a carrying capacity of twenty-seven persons and we understand from Mr. Isbell that while crossing the mountains of Haiti and the Dominican Republic in the seaplane there were some moments in which it was speculated as to how the pilots could set that seaplane down if it became necessary. Similar speculation was indulged in while flying in a Pan American ten-passenger landplane over the sea between the Dominican Republic and Porto Rico. Nevertheless we gather, from the remarks of Mr. Isbell, that he has become an enthusiastic advocate of air-travel.

In Mr. Isbell's two weeks' sojourn in the Dominican Republic he met, officially and socially, executives who were deposed in the late revolution, two of the men who were provisionally Presidents of the Republic during those two weeks and likewise had the pleasure of meeting General Trujillo who, subsequently, was elected President of the Dominican Republic.

The Republica Dominicana, or as it is commonly termed by Americans, Santo Domingo, is one of the most interesting spots, historically, in the Western Hemisphere, for this was the second land of Columbus, which he discovered soon after seeing the first land in the Americas—the Island of

San Salvador, a few miles north of Santo Domingo. The first civilized settlement in the Americas was made, and some of the buildings still exist, in Santo Domingo City.



ARTHUR A. ISBELL FLIES AGAIN
Commercial Manager, R.C.A. Communications, Uses Plane to Speed Up His Tour.

During the Easter services in the Cathedral, Mr. Isbell was shown the original mahogany cross which was planted by the clergy of the Columbus expedition on the present site of the Cathedral in Santo Domingo City. While there has been some historical disputes as to where the actual remains of Columbus are interred, it is now generally conceded that they are in a laden casket in the Cathedral of Santo Domingo City. There is a very beautiful memorial to Columbus inside the Cathedral and within this memorial is a sarcophagus in which is the casket.

Due to the insistence of tourists, the New York and Porto Rico Steamship Company, not long ago included Santo Domingo City as a port of call of its excellent passenger ships on the New York-Porto Rico run and as a result, Santo Domingo City is rapidly becoming, as it should, a very popular point for tourists.

The representative business men in the Greater Antilles expressed consid-

erable concern about the generally depressed condition of their business, which is due, primarily, to the worldwide low price levels of sugar and coffee but, without exception, they are "bulls on the long pull possibilities" of their very delightful, charming little countries.

The grippe is still pursuing members of this staff. This time our Assistant Manager, H. Chadwick, had to succumb for a few days, but we are very thankful that he is back on the job, even though his pet boil accompanied him.

Synchronizing with the opening of our new direct radio circuit between New York and Panama City, we commenced our usual intensive drive for traffic to the Republic of Panama and already we note indications that the volume of traffic will be relatively large.

Benjamin Holcomb has been appointed commercial representative of the East 44 Street office which, in the near future, will be moved to the highest structure in the world—the Chrysler Building—where we expect to commence operations about June 1. Great predictions are made for this section of the city, into which many of our downtown and mid-section customers are consequently moving.

C. H. Kirshner, who has been pinching with Mr. Holcomb in the fruit and produce area of New York, has been placed in charge of solicitation of the HF office district.

We extend birthday greetings to Miss Helen Steibing, Miss Maren Holt, Walter A. Scrivens and Thomas Morris.

New York Central R.C.A. Communications

PATRICK KEATING manages our hockey team. We lost two games out of a possible two last season, but he hopes for less consistent results next year.

Robert Stewart has been on the mid-to-eight stint so long the Frisco transmitters will not operate without him. KEJ usually goes ZAN while he is out for lunch.

Earl Baumgardner, fighting every inch of the way, kept abreast of a fire truck for five minutes with his remarkably speedy Essex before he noticed the truck wasn't moving.

Charles MacPherson, after his brother Robert won the code speed tests, announced he was making a trip to Europe on the S. S. *Franconia*. He is not discouraged, he says, by his brother's success, but just wants to get away from it all for a while. What, may we ask, all?

Frank Howley divides his time between the London beam and hockey team raffles. He is known to the business world as MacTavish. He sold eighteen tickets to the roof during the afternoon of the eclipse.



Benjamin Titow was Broad Street scribe for the *WIRELESS AGE* until he lost his pencil. It has been two years

since he operated in Rio, but he still receives vividly-colored letters carrying Brazilian stamps.

John Stack, inspired to an act of international good will by the London Conference, sent a service message to France in his best A. E. F. French. Paris' reply was full of question marks, one of the phrases being "You speak French in very broken English so it is very confuse." The incident brought up an unsettled question: Is it easier for French operators to understand our French than it is for us to decipher their English?

V. H. Brown is our choice for the world's most popular newsreel actor. Autographed copies of the speech he made while standing between a jack panel and a Photophone camera are being sold for 25c in Mr. Weaver's office. Copies describing his gesticulations, 35c. The epic opens: "I will now take you for a quick trip around the world by radio. You now hear Havana . . . (business of plugging speaker into CMA line) . . . (beep beep beep beep) . . . You will now hear Poland . . . (more beeps) . . . Next is a visit to Germany," and so on. "Vincent Brown and John Boles," said Silent Ben Tievy, rousing from his usual taciturnity, "both have excellent talkie voices."

IN MEMORIAM

The staff of the Central Radio Office, New York desires to express its sincere regret at the passing of Operator George W. R. Shea on May first. During a decade of service Mr. Shea did his part in the development of our organization through many trying days, and although handicapped by ill-health, his cheerful spirit and sense of loyalty won the admiration of all.

Marshall, Cal., R.C.A. Communications

GOOD old summer time is here again, but isn't it strange how it takes the sight of a new straw skimmer to make some of us realize it? We saw our first one the other day, and the next thing we knew, we were trying to remember where we cached all those old clothes, fishing poles and the camping outfit. Yes, vacations are here, but none of the boys has let us in on his plans. Maybe the next spasm will contain all the horrid details, so for the present, we will be content with a few items of more than ordinary interest.

Our favorite indoor sport watching the train go by, is no more, and we miss the rattle-bang, chug-chug, as it used to go wobbling around the corner. The little old narrow gauge finally has given way to the more up-to-date motor bus and the last vestige of a once prominent right-of-way soon will be a mere remembrance. We heard indirectly that a station agent near the upper end of the line killed himself the day after the train made its last trip, but we do not know why. That last trip was the cause of much rejoicing and celebration to most of us, but then, he probably never had to ride it as often as we did.

Our Supervisor of Signals, Mr. Marsh to some, and Hal to the rest of us, woke up one fine morning not so long ago to remember suddenly that he was a whole year older than he had been the previous evening. He immediately forgot it again. The fact was quickly brought to his attention that same evening after he had bundled Mrs. Marsh and himself comfortably into a rumble seat for a trip to the theater. Mrs.

Marsh suddenly remembered she had to have a drink of water and urged Hal



come with her. Of course he did. Upon entering the house he found the assembled guests laughing uproariously. Needless to say, the party was a huge success. Many more happy birthdays, Hal.

We come to the case of Frank Frease, our gardener, who has been one of us for 16 years, has lived here some 50 years, and has not been in San Francisco for 28 years. It seems there were several loads of storage batteries at the city office to be brought to Marshall, and Frank received orders to accompany the lineman in a truck to get them. Frank reported a very good trip when he got home, but some way or other, a different story leaked out. It goes something like this. When about a third of the way to San Francisco, Frank suddenly became deathly ill and asked to be let out, telling his partner to go ahead and to pick him up on the way back. The peculiar part of it is that he was picked up, ill or no ill, twelve miles nearer Marshall than when he climbed out of the truck. Never mind, Frank, the city is still there and it certainly looks different from the city in the days before the fire and earthquake.

The other half of the Thomas twins arrived at Marshall recently, becoming

a member of the staff, and ever since we have been meeting a Thomas on every corner. Well, we know there are only two of them, so that helps some.

Our Engineer-in-Charge, Mr. Reid, is becoming quite a stranger around Marshall, spending nearly all the daylight hours at the site of our new station. He reports the work is progressing rapidly and that we soon will have a station of which we can be proud.

* * * *

Riverhead Station, RCA Communications

FOREST fires, carnivals, and Spring sports have furnished plenty of excitement around this old Static Factory in the last few weeks, keeping the boys busy, and out of mischief.



The recent forest fire swept down upon the station, but stopped at the edge of the clearing without doing any real damage. However, we can all appreciate the feelings of a smoked ham. The telephone cables to New York were twice threatened by the flames, but were saved from any real damage by the men off watch, assisted by members of the local fire department. At night the flames presented a rather awesome spectacle, and one night the horizon was a vivid mass of flame, showing fires burning on all sides. Many

acres of woodland were burned, but Long Island forests are cheap shop-worn affairs anyway, and the monetary loss was slight. The long wave antennae escaped evaporation.

The townspeople flocking to the Carnival sponsored by the Riverhead Athletic Club, of which Mr. Pfautz is president, were exhorted by Bond, rebroadcast expert, to purchase tickets for the aerial swing, and by Jack Price to indulge in a few gyrations on the Ferris Wheel, and by H. A. Moore, of the Design Division, to go dizzy on the Carousal. A very pleasant and profitable time was had by all.

The Crystallizers, these Frivolous Frequency Finders who fill up the book entitled, "The World Before You Lies, Check It," are gazing with awe and wonderment at the construction work leading to a complete new and substantial rig, steel racks, form fitting tables 'n' everything.

The local racketeers are feeling cheerful over the progress that is being made on the second tennis court, which rapidly is nearing completion. This will help to relieve the QRM on the other one.

The baseball season opened on May 5 with a game between the Polish Club, and the RCA. The score was 7 to 2, with the RCA boys holding the little end.

The Submarine Boat Corporation should get in touch with Shanklin for data on new methods of securing negative bouyancy for submersion. A gust of wind hit Shank when he was sailing his canoe, and a beautiful crash dive ensued.

Doane (CR on the wire), noted for his hearty laugh, must have felt the Spring air or his oats or something, as

he was spied roller skating down a cement sidewalk one evening.

Echeverria, (FE) stepped out, and is now burning up the pavement in a new Packard sport roadster. He reports the pickup to be very good, and adds that if it gets any better he will have to carry a club to keep the surplus off the running boards.

Stagg and Ellwood will soon be seen in a pair of new Chevrolets, as it is rumored they have them ordered for delivery soon.

Tyte resents our news item last month in regard to his investing in garden tools. He insists that he borrowed them.

The warm Spring weather has brought forth a goodly crop of amateur farmers, and the usual wordy discussions in terms of volts, meters, rheostats, and the relative merits and demerits of AC bias, have given place to equally wordy arguments in terms of cabbages, onions, insecticides, and cutworms. Colvin stoutly maintains that the only correct way to deal with a cutworm, is to place said worm carefully in the center of a brick, place another brick on top of the worm, sandwich fashion, and then gently but firmly press them together.

Paul Derby paid us a flying visit before starting out for his long delayed duties in China. The entire staff joins in wishing him the best of luck.

Our Mr. Weatherbee is among the latest to join the ranks of the proud papas. A son and heir to the Weatherbee millions arrived last week, and Bill reports that his entire family is doing very nicely, thank you.

Messers. Lienau and Shanklin are in search of a good business site, with intentions of opening up a fish stand as a side line. The boys are going in for

fishing in a big way, and one day reported a catch of thirty pounds of assorted flounders, eels, minnows, and swellfish.

'FW' Council celebrated the opening of the fishing season by yanking two large trout from the puddle which lies one short wave length away from RL.

If you chance to come suddenly upon Mr. Sadler, doing what appear to be arm exercises before an admiring audience, don't think that he has taken up physical culture or anything like that. Sam is merely describing last year's fish to this year's fishermen.

Judging from the number of Sg's that have been floating back and forth between RL and NY, the Schoenborn-Moulton Navy must be about ready for Spring maneuvers. They undoubtedly will christen it with a bottle of light machine oil.

After searching in vain for a suitable residence in town, Long and Neville are reported to be moving to the neighborhood of Flanders.

Vic Ladeveze is a member of five different libraries, and we have often marveled at his literary capacity. We have been puzzled at times also by his bringing home an armful of books, keeping them a few days, and then returning them unread. The mystery cleared the other day, when we visited one of the libraries with him, and saw the sweet young thing on the other side of the desk. Literature has its charms.

Simpson of bronco busting fame, was seen recently all tricked out in cavalry breeches, boots, and spurs, driving a Ford. After his interpretation of Paul Revere a few weeks ago, he is evidently doing his horseback riding sans horse.

The vacation season is upon us again. Russell, Bagley, and Ashmore have just



A son, John E., Jr., to Mr. and Mrs. John E. Babineau on April 16. The baby weighed 8 $\frac{1}{4}$ pounds. Mr. and Mrs. Babineau have a daughter, Mary, whose birth was announced in the January, 1927 issue of the *WIRELESS AGE*. Mr. Babineau is on the *S. S. Breeze*.

* * * *

(*Riverhead Station Continued*)

returned from their two weeks' of freedom from the restraining influences of a pair of phones. Sadler, Ladeveze and Wilcox have just started theirs, and we wish them a very pleasant vacation.

Just between the two of us—a confidential review of the intimate lives of the personnel at RP.

A few of the boys at RP decided to break the ice by going swimming in Long Island Sound the first Sunday in April. After emerging from the frigid brine, Karl Bewig, John Bader, Joe Tammaro and "Sonny Boy" Kennedy expressed the opinion that the calendar should have been revised, to make that Sunday fall on April 1st.

The ever-famous Salzberg bought a Ford roadster and took his weakness

riding. Coincident with a sudden and unpremeditated stop, the young woman seems to have attempted to wreck friend Salzberg's windshield, using her head as a battering ram. She had only mediocre success. The windshield was non-shatterable, and merely assumed the appearance of a spiderweb. In disgust, Salzberg discarded the roadster and bought a coupe with a solid windshield.

Duncan Moir, the wire-warming Welchman who signs DM, has evolved a new money-making scheme. "Uncle Dunk" is going to get rich by writing the confidential scandals in the intimate lives of the personnel at RP, and will sell his work to "True Confessions." He will be assisted in this venture by "Pop" Hill.

Mark Raymond (we will not call the third section of the handle) is the proud possessor of a brand new Chevy something-or-other. When he drives through the metropolis of Rocky Point, all the beautiful young women cast admiring eyes in his direction, but he will not give them a tumble. He's in too big a hurry to get to the plant and clear those parasitics out of WSS and can't be bothered by a mere woman. Confidentially, Mark is a woman-hater.

It is rumored (we are assured by Eddie Hill) that Joe Bush, popular Senior, is engaged. Joe refuses to divulge the girl's name, because the announcement would break the hearts of so many, each of whom believes she is Joe's "O. and O." Eddie has discovered also that Gus Ericksen, once at RP, now is in Riverhead, attending the business of being a receiving engineer.

Finch and his glow-tube keys have become quite an institution at RP, and the keys provide much diversion for

"Taxi-Driver" Michaelman. Every time Mike adjusts one of the keys, London reports, "WHR ZSU—blurring." It takes Finch an average of three to five days to put a glow-tube keyer back into service after Mike has adjusted it.

Don't mind me. I'm just the janitor, but I snicker up my proverbial sleeve every time I think of those poor, tired shift engineers trudging up and down the aisles, hour after hour, gazing at meters, punching buttons, and twisting knobs, and never sitting down except when making entries in their logs. I just lean on my vacuum cleaner and take life easy. Ho—hum.

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Eastern Division, Radiomarine Corporation

NOW that this department is settled in new quarters, we extend a cordial invitation to all to visit us.



John R. Waugh, Jr., reported in from WSC and was assigned first assistant on the *S. S. Leviathan*. Herman H. Heins, also from WSC, was assigned as third. Otto Thiess, formerly Chief Operator on the *S. S. California*, has been assigned to the tanker *George H. Jones*. Kenneth Charles Peterson went out third on the *S. S. America*.

Charles L. Fagan, commodore oper-

ator of the Grace Line, is taking out the *S. S. Santa Clara*, the latest passenger ship to be added to that fleet. Homer L. Benfer is junior. Edward Hallen reported in from the yacht *Quick Silver, 3rd*, which was tied up at Miami, and sailed on the yacht *Hussar*. Frank Colwell, formerly on the yacht *Mary Pinchot*, has joined the yacht *Migrant* for a summer cruise around Long Island Sound. Bernard J. Zweig has been assigned to the yacht *Michabo*.

The yacht *Nakhoda*, after several months at Teboe's Yacht Basin, Brooklyn, left for a short cruise around Long Island Sound. The *Nakhoda* is one of the most elaborately furnished yachts that has ever docked at Teboe's. Millard C. Manwaring, formerly on the yacht *Arcadia* and *Lone Star*, is the fortunate operator assigned to this floating palace.

Richard Cuthbert, having spent fourteen months cruising in European ports, has arrived on the yacht *Cypress*, which he joined at Keil, Germany. Alexander Vadas arrived several days ago from Fort Myers, Fla., for a summer vacation. His yacht, *Fortuna*, has tied up for the summer.

The following assignments were made in the last month: Theodore R. Fisher to the *S. S. E. M. Clark*; Julian S. Johnson to *S. S. Quincy*; James F. Forsyth to *S. S. St. Mary*; Alan F. Burgess to *S. S. West Loquassock*; Stanley Fund to *S. S. Cities Service Fuel*; Louis P. Maigret to *S. S. Gulfpenn*; Albert Petersen to *S. S. James McGee*; Arthur C. Campbell to *S. S. Carplaka*; Warren E. Davis to *S. S. New Hampshire*; Victor Hickman to Chief *S. S. Robert E. Lee*; Percy A. Scambler to *S. S. Buena-ventura*; Joseph S. Belleza to Chief *S. S. Coamo*.

Anthony Kandrak has been assigned

to *S. S. Aladdin*; D. M. Pomeroy as junior operator, *S. S. Santa Barbara*; Felix Norman, Jr., to *S. S. Malabar*; Gustav M. Lundgren, junior operator on *S. S. Columbia*; George C. Ahrens, junior operator, *S. S. Munargo*; Donald P. Decker, *S. S. Exbrook*; Alex Sienkowski, trawler *Petrel*; George De Mude, *S. S. Cities Service Kansas*; Joseph B. Rogoff, *Socony No. 82*; H. P. Johnson, trawler *Tern*; George W. Ahrens, Jr., junior operator, *S. S. George Washington*; Louis McQuade, *S. S. Muskogee*.

Thomas H. Brown has been assigned as Chief Operator, *S. S. George Washington*; James H. Raby to *S. S. Swiftscout*; Frank Bogut, Chief Operator, *S. S. Santa Inez*; Israel Cohen, junior operator, *S. S. Santa Inez*; William E. Peterson, *S. S. Bonnie Brook*; Harry Morales, *S. S. Pecos*; Philip S. Walls, Chief Operator, *S. S. Gatun*; H. O. Fairfield, *S. S. Wm. G. Warden*; D. H. Hiebert, *S. S. Triumph*; Charles A. Schroeder, *S. S. Crampton Anderson*; Abe Haiman, *S. S. Bald Butte*; Leslie H. Greer, *S. S. Sawakla*.

Jack Ostrin has been assigned to *S. S. Wm. A. McKenney*; C. A. Harkins to *S. S. Ormes*; E. T. Steeve, *Socony No. 94*; Samuel T. Liles, Jr., Chief Operator, *S. S. Eastern Glen* with John E. Reilly as junior, William T. Parker, *S. S. Tampa*; Leo T. Bevensee, *S. S. Padsnay*; John W. Lozier, Chief, *S. S. San Juan*; Charles A. Poston, *S. S. Leibre*; Edward F. Harden, Chief, *S. S. Orizaba*; N. M. Hiorns, junior operator, *S. S. San Juan*; Philip B. Kimball, Chief, *S. S. Carabobo*, with Harry M. McGoldrick as junior.

Frederick F. Day now is on the tug *Relief*. Frank J. Barone is junior operator, *S. S. Orizaba*. John W. Meighan is third operator, *S. S. Western World*,

and Reider Tangen is second. G. W. Bird has been assigned to *S. S. West Britain*; Roger N. Fowler as Chief Operator, *S. S. City of Birmingham*; John C. Currie, to *S. S. William F. Humphrey*; Earle A. Beaver, *S. S. Argosy*; John H. Dillingham, trawler *Seagull*; M. J. McDonogh, second operator, *S. S. Republic*; Thomas W. Forget, junior operator, *S. S. Santa Teresa*; John V. O'Reilly, junior, *S. S. Andrea Luckenbach*; Michael DeMartino, third operator, *President Roosevelt*; Ted O. Cromwell, *S. S. Argon*; Frank M. Bloom, Jr., *S. S. T. J. Williams*; Carroll Freeland, *S. S. Pacific Spruce*; Richard I. Warren, *S. S. West Eldara*; Benjamin Wolfe, *S. S. Ardmore*; Charles E. Sullivan, Jr., Chief Operator, *S. S. Western Wave*; David Goldberg, *S. S. Explorer*, V. P. Bourg, *S. S. George W. Barnes*.

MRI TELEGRAPH SECTION

Well, we had another quite busy month, what with getting settled in our new home at 75 Varick Street, getting the stock straightened out, keeping up the more than regular run of repairs and installations. Some of the things that kept the men busy.

Inspectors Akar and Smith installed ET3650 IP501A and new antenna on the *S. S. Trujillo*. Inspectors Burch and Walker installed several receivers with amplifying panels and power supply units for the Engineering department on the *S. S. America*.

Inspectors Faegans and Walker installed an ET3650 in record time on the Standard Shipping Company's *S. S. A. C. Bedford*.

Inspectors Lo Gates, Rounsefel and Yuhl were commuting on the LI for a few days while installing an ET3626C IP501A on the motor yacht *Michabo* at Glen Cove, L. I.

Inspector Lohman still is doing service inspections and getting antenna orders faster than we can build them.

Inspector Moye is getting quite a bit of practice on RH-1, arcs, what with doing omst of the repairs on the Mallory fleet of tankers equipped with these sets.

Inspector Williams is busy modeling the shelving layout in the new stockroom.

Inspector Yuhl did the job of the month on the German *S. S. Muenchen*, installing an ET3626 IP501A and ET3650 auxiliary transmitter by his lonesome in about four days' actual working time.

Inspector Mills, our new battery man, was greeted with a complete set of MVA13 batteries on the *S. S. Exmouth* on his second day with us.

Who is this Joe Herring we hear so much about but seldom see?

DIRECTION FINDER ACTIVITIES NEW YORK

Service work and overhauls has been the order of the month.

Mr. Lintz overhauled and recalibrated the *S. S. Wandsworth Works* for the Vacuum Company. Mr. McCafferty repeated the operation on the *S. S. Mobiloil* of the same company. Mr. Shandy made a flying jump and calibrated the yacht *Margo* at Coney Island one afternoon.

Lester Gates has been making some excellent jobs of changing pedestal type ER 1485's to deck mountings. That calls for machine work, which Lester just "eats up."

Inspectors McCafferty and Styer were the guests of the Ford Motor Company while installing an ER 1445-B on the steamer *Lake Benbow* in Hoboken. Mac rode to Chester, Pa., to calibrate.

McCafferty missed a couple of Saturdays this month waiting for calibrations that didn't come off. Too bad, Mac, better luck next time.

Mr. Lintz made a quick jump to Portland, Me., and rode back with the *S. S. Schenectady*. He then made another experimental calibration when she left for Chester, Pa.

Shandy made another visit to his old friend the MV *Point Breeze* at Philadelphia, and assisted that office by inspecting the *S. S. Halo* and the *S. S. Cities Service Denver* at that bane of Philadelphia's existence known as Petty's Island.

Installations have been laid out for two more new yachts, the *Stevana* and the *Analgra*. Both are in the most inaccessible places in the city.

Conversions of ER 1445 to 201-a tube operation are high on the list of activities at present. Mr. Lintz opened with the *S. S. T. J. Williams* of the Standard Shipping Company.

Mr. Lintz had another salvage job reconditioning the *S. S. Beaconstar* after the direction finder had been the recipient of considerable amount of salt water directed at a fire in the chart room. Mr. Gates re-calibrated the instrument later.

Mr. Lintz spent a very interesting forenoon inspecting the Canadian equipment on a captured rum runner named the *Ada M.* at the army base. The forenoon was principally spent getting acquainted with the entire Customs force in New York while obtaining the necessary authority to board the vessel. The inspection then took almost fifteen whole minutes, but Lintz says he enjoyed the ride down the bay.

Mr. Styer continues to be the Chief Bearer of "B" batteries. He informed all and sundry that he has an electric

set at home and that they all went aboard vessels.

Mr. McCafferty installed broadcast equipment in the office of the New Jersey Pilot Association at Perth Amboy. He was much disappointed because it would not take bearings.

The remainder of the month has been spent by the whole "gang," including the writer, in wondering when time for vacations will come. We all hope it will be soon. In spite of spring fever and vacation anticipations, however, we expect to report a great many activities for the coming month.

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Great Lakes Division, Radiomarine Corporation

CLEVELAND

OUR Storekeeper, W. E. Roszman, heads the list with a permanent assignment to the good ship "Matrimony." Heavy seas ahead Rus. Congratulations. We all wish you great happiness and prosperity.

With the season's activities in full swing numerous operator assignments have been made. Our list shows Bill Kielar, a good scholar and judge of bum "operating," parading the deck of the *Robert Hobson* again this season. Welcome "An." Ernest Thornhill joined the *Youngstown* for another season. Harvey Bates returned this season and assigned to the *Steel Motor*. Charles Baker, a new man, occupies a berth on the *Fayette Brown*.

We welcome also R. T. Baird, a newcomer, aboard the *S. B. Way*. Kenneth Carlson, survivor of the *Wisconsin* disaster, has chosen the *Wm. McLaughlan*. Francis Carnahan rejoined the *Elton Hoyt II*.

The oldest of the old timers, Sam Culbertson, again is discovered aboard

"*The Harvester*." It will be interesting to know that our records show Sam first boarded "*The Harvester*" in 1916. Is that right "SK"?

J. H. Crews came up from the Gulf Division and may be found on the *Harvey Brown*. Charles E. Clark has joined the *Amasa Stone*. Charlie held down the *Wm. P. Snyder* in 1928. A. E. Corcoran is riding the *W. E. Fitzgerald*. Roy Closs again is aboard the Tug *Favorite*. D. W. DeHart assigned to the *Charles M. Schwab*. John F. Drake, new in commercial operating circles, is aboard the *Sonora*.

G. J. DeVlieg, we presume, found a special attraction on Canadian shores, therefore the *Steel Electrician*. Likewise with Harry Ende on the *Steel Chemist*.

C. L. Hack assigned as Senior and S. L. Gladfelter as Junior on the *Eastern State*. L. Suhadolink assigned as Senior and Rhea Johnson as Junior on the *Western States*. We notice "Hank" Guthman back on the *Col. Pickands*.

Ed Jenkins is aboard the *Venus*. The get-together-boy with boxes of candy or what have you bribing the Chief Operator. A. J. Jenquin assigned to the *J. E. Savage*. Lawrence King rejoined the *Lagonda*. "Wady" Cole still is pounding em out on the *Illinois*. Sam Lapinsky is attached to the *Alabama*. Little John Little is with the *Samuel Mather* again this season.

V. K. Lewis formerly on the *George W. Mead* is now on the *H. G. Dalton*. Leonard LaFrank, a new man, is tossing along on the carferry *Ashtabula* as purser-operator. Charles W. Myers reported in from the *Eastern Division* and was assigned to the *Graham C. Woodruff*, formerly the *M. A. Bradley*. John Prater is attached to the *Benson Ford*. J. W. Seymour a new man is

being initiated aboard the *Sultana*. Dean Slauson heard about Canada and asked for the *Steel Motor*. Cyril Whittingham is with the *Angeline* of the Cleveland Cliffs fleet. George Wilson is on the *Henry Ford*. R. Westover rejoined the *J. M. Kennedy*.

We all offer most heartfelt sympathy to Operator Charles Leonhardt during his hour of grief. His place on the *Shenango* was taken by C. P. Hall-oway.

K. M. Meredith assigned to the *E. G. Matthiot*. A. L. Bergom joined the *Harry Coulby*, one of the world's largest ore carriers. C. R. Johnson reported in from Eastern Division and was assigned to the *John A. Topping*. James Scott mans the Ford Tug *Bar-rallton*. Jerry Covey and Norm Walker have migrated to Euclid Beach for the season. It looks as if the Beach will be a busy place this Summer.

Frank Weide found time despite his many duties to try aircraft work by assisting our regular force with the T.A.C. jobs. We wonder if other officers can boast every person—man and woman and their children, as being so air-minded as to consider flying safer than roller coasters of the park.

Norm Kraus almost passed out when receiving orders to catch five ships to service at Toledo within a period of a few hours. He found he had to spend the greater portion of his allotted time traveling there by train. Thanks to T.A.C., a "duck" carried him there in record time and he made his service calls with good connections.

Then L. P. Lewis dashed madly out, caught a Ford Tri-motor to Detroit and reached the new Pittsburgh freighter in time to calibrate it, although the dispatcher said connections were impossible.

Rock gardens and fish pools seem to be in demand in Lakewood. See D.S.L. or M.G. for details. Incidentally we release family secrets in announcing that friend Martin enjoyed the season's first swim, in his best suit and his own back yard—in the family fish pond. It all happened too quickly for press photographers to be on hand—and that's fast!

Bill Walker claims a distinction never afforded another of the Lakes Division—a birthday surprise party (which really proved a surprise to him) at which the attendance included our General Superintendent T. M. Stevens, the Division Superintendent, Assistant Superintendent and the Chief Operator.

While business may be slow to some, it is still the old push to us. We have not seen a day with enough hours to permit our catching up on service and new installations—and this isn't doing either so excuse us until next issue.

CHICAGO

Walter C. Love after assisting in operation and construction at WGO the last Winter left for Detour, Mich., where he will build and place in operation RCA's new marine coastal station, WAA. We again wish to thank Mr. Love for his good work and cooperation here.

Partly on account of ice conditions a large number of Great Lakes vessels had a late start. This condition should serve as an explanation to those men who are planning to return to their old assignments in this district.

Charles Blue surprised the staff on a recent visit. We had all believed Charley had decided that service work was too tame for him.

Charles Bisbee relieved E. J. Webster aboard the *M. S. Sandmaster*. Webster

in turn relieved Clyde C. Richelieu at WGO. Richelieu went to F. J. Clarkes polar hut, WRL, atop one of Duluth's hills to operate for the season.

Delmar DeHart, another of our "Hermoso hombres" transferred from the *Alabama* to the *C. M. Schwab*. Vague reports indicate DeHart cut quite a figure in the social circles of Muskegon.

Sam Lapinsky after a patient wait of two months, relieved DeHart aboard the *Alabama*.

Adelbert D. Schultz did an admirable job of fitting out and operating the Tug *John F. Cushing* out of Chicago for the season.

Julian De Campi Roemheld fitted out the *South American* at Holland, Mich., and remained aboard until the vessel arrived in dry dock in Manitowoc, Wis.

Rhea S. Johnson learned to his astonishment that marine radio operating is a far cry from amateur operating. The *S. S. Harry Croft* has good receiver equipment, Rhea. We suggest you make better acquaintance with it. Don't forget to include preambles to your radiograms.

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Philadelphia District, Radiomarine Corporation

AT the time of writing all hands are busy on new installations. The MV *Western Sun*, a new Sun Oil tanker, will be placed in commission in a few days. Inspectors Beeler and Ramsten are making the ET-3626-C installation.

The *Veedol No. 2*, a new Tidewater tanker, just has been placed in commission. Inspectors Beeler and Ramsten made the installation of the ET-

3627-A transmitter and direction finder. Inspector Uhler is calibrating it.

Inspector Uhler is installing a direction finder on a new yacht owned by General Atterbury, President of the Pennsylvania Railroad Company.

Inspectors Beeler and Ramsten are completing the ET-3626-C installation on the yacht *Lotosland*. After completion the yacht is going on an expedition to South America.

The following service changes were made at this office in April.

Jacob Horwitz assigned to the *Gulf-trade*, relieving Thomas P. Henderson. Operator Henderson is now on the *D. G. Scofield*, having relieved Luther B. Wyatt.

Allan Smith assigned to the *Santa Veronica*, relieving Charles C. Leonhardt.

Charles W. Harvey assigned to the *MS Potter*, relieving Isidore Fishelberg. Operator Fishelberg transferred to the *Saco* from which vessel operator Harvey was detached.

Louis E. Littlejohn detached from the *Herbert L. Pratt*, which was placed in drydock. Operator Littlejohn now is on the *Paco*, having relieved Charles A. Pallon, who in turn relieved Charles H. Hess on the *Chester Sun*. Operator Hess is operating at our Tuckerton Station WSC.

Thomas H. Cullinan, Jr., assigned to the *Rawleigh Warner*, relieving Wm. P. Haake, who has resigned from the service.

Clayton H. Sacks assigned to the *Nantucket*, relieving John F. McIntyre, who resigned from the service to teach code at the Philadelphia branch of the R.C.A. Institutes.

George J. Frank assigned to the *West Imboden*, relieving Clarence R. Johnson.

Frank J. Frohnen assigned to the *Howard*, relieving U. L. Lynch.

Thomas C. Lengnick detached from the *Crampton Anderson*.

Merritt L. Savage assigned to the *Tustem*, relieving John Borsos, who has resigned from the service.

Robert L. Richards assigned to the *Sun*, relieving Jack Gottesfeld.

Reinhardt C. Foege assigned to the *Halo*, relieving C. D. Remmlein, who has resigned from the service.

Wesley H. Parks assigned to the *Rajah*, relieving Thomas D. Baker.

Vernon H. Thomas, a new man in the service, has been assigned to the J. E. O'Neil, relieving George A. Whatley.

Fred M. Howe assigned to the *Gulf-pride*, relieving Dwight M. Williams, who has resigned from the service.

Fayette E. Goodier assigned to the *West Cape*, relieving Erwin Stout.

William Courtney Evans assigned to the *Sunbeam*, relieving J. D. McCauley.

J. DeC. Roemheld detached from the *Cities Service Kansas*.

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Pacific Division, Radiomarine Corporation

SAN FRANCISCO

WE had the pleasure of a visit from Mr. Winterbottom recently and had the opportunity of showing him around our San Francisco depot.

The second vessel of the Alaska Packers Association to be equipped at San Francisco under rental contract was the *MS Brant*. An ET-3650 transmitter and IP-501A receiver were installed before the vessel's departure and H. F. Bachofner was assigned as operator. The equipment for the third vessel, the

Afognak, has been shipped to the Ali-tak cannery in Alaska for installation on the vessel there.

We have with us again Rene Gasse, former operator on the motorship *Bretagne*, that was lost off Cape Flattery last year. Mr. Gasse is going out as operator on the yacht *Zaca*, recently built for Mr. Templeton Crocker. This vessel will be equipped with an ET-3655-B and ET-3650 transmitters, with necessary receivers. She has been entered in the yacht race from San Francisco to Tahiti and it is generally understood that after reaching that point she will continue on a voyage around the world. Mr. Gasse will have some thrilling experiences no doubt to tell us on his return.

Our old friend, Jack Irwin, has re-entered the service after being "up in the air" for the Kolster people for several months. He is now on his way to the east coast of South America on the *S. S. Hollywood*, having taken the place as purser-operator just vacated by J. A. Bender.

W. F. Wilder went out as purser-operator on the *S. S. Point Arena*.

F. L. Jones rejoined the *Dorothy Wintermote* after a couple of weeks ashore, relieving S. Gazzano. Gazzano was later assigned as chief of the *El Salvador*, replacing J. M. Robinson, who returned to the east coast overland.

Vernon Hopkins was granted sick leave from the *Edgar F. Luckenbach* and Louis Cole was assigned as his relief.

G. W. Lindberry was detached from the *Delight* and replaced by E. A. Wendler.

Hal Sudborough is returning to the east coast on the United Fruit vessel *Esparta*.

Operator H. H. McFarlane took sick leave from the *S. S. Maltran*, being relieved by T. V. Haygarth.

H. W. Shane returned to the fold after an automobile trip to Yosemite, and was assigned to the *S. S. Capac*, replacing C. C. Clausen.

SEATTLE

H. F. Mullaney, after assisting a couple of weeks in our shop, was assigned to the cannery station at Port Moller, Alaska, where he will spend the summer.

Donald T. Wright and A. E. Patterson were assigned to the stations at Warren and Daly, Alaska.

Earl Baker, our shop foreman, will travel about five thousand miles this Summer and install new equipment in seven or eight Alaskan cannery stations belonging to the Pacific American Fisheries.

Chester R. Wood relieved G. E. McCarthy on the tanker *Emidio*.

G. Weber will be assigned to the *Wilhelmina*, replacing R. Niemi.

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Baltimore District, Radiomarine Corporation

WE regret very much to announce the untimely death of former Radiomarine operator, Irving H. Walker on April 26, at Johns Hopkins Hospital, Baltimore. Baltimore office personnel attended the funeral. We extend our deepest sympathy to his mother.

Joel L. Reese has been detached from the Pacific Division freighter *Marian Otis Chandler*, at Baltimore.

John H. Caron, retired United States Army operator, has entered our service, joining the freighter *Cornore*.

Burlie P. Berry, after spending the Winter ashore, is back with us again

on the *Quaker City* of the Shipping Board.

Andrew MacDonald transferred from the *Santore* to the inter-coastal freighter *Vermar*.

William J. Ready returned from leave to join the tanker *Malacca*.

John R. Horton is another who has come back. Horton joins the *Munmystic* in relief of William C. Evans.

John B. Faught, Jr., can now be found on the freighter *Maine*.

Horace G. Hopper joined the passenger steamer *Dorchester* as senior operator when the *Juniata* laid up.

Arthur L. Robinson, after a long assignment on the *Essex*, has joined the *Santore* for a trip to South America.

Philip F. Messler also is back from leave and joined the tanker *J. M. Danziger* in relief of J. B. Faught, Jr.

General Superintendent T. M. Stevens and Superintendent David S. Little of the Great Lakes Division were recent Baltimore visitors, while enroute to Washington on business.

Wesley Doull, a new employee, has been assigned to the fruit carrier *Oriani*.

L. W. Clifford is aboard the ore carrier *Marore*.

John H. Egan has returned to the fold and been assigned to the *Ontario* as junior.

Henry G. Cooper relieved Alan J. Croner on the *Westpool*. Croner accepted employment with the Pan American Airways at Miami, Florida. A letter from Ivey P. Gregory, now employed with the same company at Cuba, tells us that Croner, when he last saw him at Camaguey, was very much in evidence and feeling fine. Glad you like your new job, Alan. P. S. Don't believe the stories we told you about the sharks off Cuba.

Gulf Division, Radiomarine Corporation

NEW ORLEANS

SHIP station assignments, detachments and transfers include B. L. Hayford to the *Sapinero*, relieving T. E. Bryant; William J. A. Jackson from the *City of Omaha* to the *Joseph M. Cudaby*, relieving C. D. Caffery, who is temporarily second operator at Baytown, Texas; C. S. Freeland from the *Eclipse* to the Eastern Division; E. Koppen entering the service with assignment to the *Muneric* and A. H. Brown entering the service with assignment to the *Munarden*, both vessels of the Marconi Company.

W. L. Ringe has gone to the *Gene Crawley*, relieving J. E. Ruiz, who is on our unassigned list; J. Morgado to the *Jalisco*, relieving Alonso G. de la Torre, who has an assignment to the Mexican *Dos Equis*, relieving J. J. Lopez; C. L. Elliott as junior to the *Munplace*, relieving C. G. Landman, who was assigned to the *Abron*, relieving P. LaCoste; R. A. Couch from the *West Hematite* to the *West Mohomet*, relieving B. B. Ferguson, who was given the *Invincible*; J. O. Coward as Senior and B. L. Lobdell as Junior to the *Tegucigalpa*; S. B. Collins from the *Independence*, which vessel is now laid up; J. H. Edwards, Jr., to the *Contoy*.

J. E. Spence has been assigned to the *Atlanta City*, relieving F. P. Sehlin; C. W. Grant to the *West Hobomac*, relieving J. L. M. Hutchinson, on leave of absence; R. W. Bradley from the *Scottsburg* to the *Castana*, relieving T. R. Harrison, on leave of absence; W. E. Evans as junior to the *Comal*, relieving R. O. Poche; S. A. Palmer from the *Eelbeck*, reporting to New York

for assignment; J. Davidson to the *Santa Tecla*, relieving W. W. Shows; Bartlett Edwards from the *Narcissus*; A. T. Teeter from the tug *H. C. Cadmus*, which is laid up; R. C. Campbell to the *Charles E. Harwood*, relieving J. F. Hilscher, who resigned from our service.

E. J. Jacob has been assigned to the *Lake Fairport*, relieving G. C. Laurents, now unassigned; F. W. Weiler reported back from leave to the *West Hika*; R. T. Dean, entering the service, is junior on the *Munorleans*, relieving J. P. Dunn, now unassigned.

Operators on our unassigned list who were checked out during the month are: Lee Ruyle, W. H. Baruch, T. V. Bass, C. D. Beckett, C. A. Delery, Jr., P. A. Gary, J. C. Johnson, R. E. Johns, J. A. Smith, W. A. Hyer, J. J. Kares.

GALVESTON

F. S. Gardner, Assistant District Sales Manager, RCA-Victor Company at Dallas, and Mr. F. M. Gardner, Representative, RCA-Victor Company at Houston, were recent visitors while on a Dallas Goodwill Tour of the State. We always are glad to meet the RCA officials and extend them a cordial welcome to make this station their headquarters while in this vicinity.

We almost had a visit from our Division Superintendent, but not quite. Maybe next time.

Assignments and detachments for the month follow: William M. Cline to the *J. Fletcher Farrell*, relieving F. Causse; E. C. Rose to the *E. R. Kemp*, relieving H. Haddock; C. E. Harding from the *West Modus* to the *Comess Peak*; J. F. Sullivan from the *Coness Peak* to the *West Modus*; G. E. Hulbert to the *West Harshaw*, P. C. Roh-

wer to the *Margaret Lykes* as Second Operator, relieving A. E. Harding; H. Haddock to the *Margaret Lykes* as First Operator, relieving J. C. Clayton.

PORT ARTHUR

We wish to thank the operators assigned to KOBX, KDQD, KDMA, KEXV, WJCJ, WJCL for their splendid relay work. The following schedules are adhered to by "WPA," 90th Meridian Time:

6:00 A. M.—WPA 2256 C.W. Ship 2098 C.W.

11:05 A. M.—WPA 2256 C.W. Ship 2098 C.W.

2:00 P. M.—WPA 720 C.W. KOPX 750 C.W.

6:00 P. M.—WPA 2256 C.W. Ship 2098 C.W.

8:50 P. M.—WPA 720 C.W. Ship 700 C.W.

The M.R.I. department here has a new system of charging 25 cents a day for each tool used by the traffic depart-



ment in wrecking their wrecks. Inspector Pierce doesn't wreck his wrecks with tools. He drives them to death. He has had five cars in the four months he has been with us.

Ship assignments, detachments and transfers for the month: T. J. Kelly transferred from the *Gulfbreeze* to the *Gulfstar*, relieving D. Silverstein; L. P. Kinsworthy to the *Gulfbreeze*; C. A. Butler to the *Solataire*, relieving R. D. Huffman, who resigned; H. A. Stanford to the *Louisiana*, relieving C. A. Bee-

son, who resigned; E. C. Fallin to the *R. P. Clark*, relieving H. J. Derryberry; O. B. Moore to the *Hadnot*, relieving P. W. Bostwick, who went to the hospital; J. T. Mixson to the *Effingham*, relieving C. A. Butler; E. C. Fallin assigned to the *Senator Bailey*, relieving E. M. Ponton after the *Robert P. Clark* laid up; R. L. Easley to the *Solataire*, relieving A. B. Long.

KEY WEST

The Chief Radio Operator of the *Cuba*, J. L. Crusoe, is the proud father of a boy, which was born April 19, at Tampa, Fla. Both the new arrival and its mother are reported as doing very nicely. We all offer our congratulations and best wishes.

* * * *

RCA Radiotron Company, Harrison, N. J.

SALES AND SALES PROMOTION

AFTER having made our debut in the March issue of the *WIRELESS AGE* with the official announcement, perhaps many of you will be interested to know some of the individuals who will assist the leaders of the RCA Radiotron Company, Inc., to do a real job in merchandising RCA Radiotrons.

Among those who were transferred from 233 Broadway, we find M. L. Bergin, known to many in the radio industry. "Mat" was for a long time director of the Radio Institute, now the RCA Institutes, Inc. He will continue as assistant to Mr. Meade Brunet, the Sales Manager of our Company. Recently "Mat" Bergin and "Tommy" Thompson assisted R. A. Graver, the new Southeastern District Sales Manager, in establishing his headquarters. Mr. Graver had a varied and valuable experience in the radio industry.

We are very happy to introduce at this time, as the toastmaster would say, "one who needs no introduction to the associated companies of RCA," none other than F. B. Wanselow, until March 1, Assistant District Manager of the Eastern District, RCA Victor Company and from then on, District Sales Manager of the Eastern District, RCA Radiotron Company, Inc. Ferd has been responsible to a large extent for the organization of the authorized dealer plan, and we are fortunate to have obtained his services.

Frederick A. Mulvany has been appointed Pacific District Sales Manager and W. Hays Clark, also well known in radio circles, will guide the destinies of the Central District as District Sales Manager.

Talking of introductions; we presented to the trade in March, Good News, a magazine devoted to the sale of RCA Radiotrons. It has been and is being acclaimed by leaders of radio, electrical and kindred industries as the open sesame to good and effective merchandising. The editor, H. W. Baukat, brings with him many years of radio trade journal experience, having been associate editor of Radio Retailing for a long while. In the hands of "Hank" as well as T. F. Joyce, who speaks for himself, the new magazine has a bright future. If you have received Good News you have seen the photograph of the Art Director, Skeet Rundle, who is responsible for the appearance of the work done in the Sales Promotion Department. Those three, with the assistance of a large staff in the Sales Promotion Department, certainly should enable the RCA Radiotron Company, Inc., to do a real job in merchandising.

Another new publication is the Hud-

dle, which, we understand, is somewhat confidential for RCA Radiotron Salesmen only. Those fortunate few who are RCA Radiotron salesmen will readily understand the reason for the Huddle.

The old Radiola Eastern District seems to be well represented in the RCA Radiotron Company, since we have Ferd Wanselow as the Eastern District Sales Manager as well as Tom Donnelly who is assistant to Mr. R. M. Ryan, Credit Manager, and last but not least, W. W. Cone, who was District Advertising Manager in the Eastern District. Bill is on the Sales Promotion staff and is fast becoming accustomed to the trials and tribulations of a commuter.

R. R. Kane has been appointed Attorney and seems to be well established as the traffic cop of the company.

In the contingent from Cleveland we sight J. D. Leeson, chief mogul in the Purchasing Department, and his inseparable assistants, H. D. Hanafus and G. R. Grunder.

One of the reasons the Edison Lamp Works was so successful in its merchandising plan was T. F. Joyce. "Tom" Joyce heads the creative end of the Sales Promotion Department; is a thorough merchandiser by actual experience; an excellent writer; wears glasses. He plays a somewhat decent game of golf and therein will lie one of the secrets of success of the RCA Radiotron Company, Inc.

Z. V. Thompson is another transferee from 233 Broadway who is doing quite well in the Sales Promotion Department. Others transferred from the old Radiotron Division to the Sales Department of the RCA Radiotron Company are Miss Doner, secretary to Mr. Brunet, C. D. Mitchell, Robert

Eoff and Paul Pfohl. Paul has been on a trip through the West.

R. S. Burnap, for many years one of the leading engineers of the Edison Lamp Works, is now commercial engineer of our Company. "Bob" is considered an expert on vacuum tubes and frequently is called upon by scientific groups to address them and discuss with them various engineering phases.

Mr. Burnap gave a talk recently at the Hotel Sagamore in Rochester, to the Radio Amateurs of Western New York on screen grid tubes as detectors for short wave receivers. The talk was illustrated with slides and a radio receiver using the screen grid tube. Mr. Burnap has been appointed a member of a Sub-Committee of the Radio Manufacturers Association.

Shake hands with some of the new members of the Commercial Engineering Department: Kenneth Vedder, Henry Whitehead, Aaron Kipp, formerly with RCA Communications, Linwood Lessig.

Allen E. Crocker was transferred from the Production Division of the RCA Victor Company, Inc., to the Production Division of this Company. He, too, seems resigned to his fate as a commuter and will not move to Jersey for reasons unknown.

If any of you contemplate visiting us at Harrison, you can rest assured you will receive a cordial welcome, especially at the hands of Mrs. Kendall our reception clerk, who has been with the Edison Lamp Works for years.

A cordial welcome is extended to the many new members of the Sales and Sales Promotion staff. All new members of the Sales staff are undergoing a rigorous course in merchandising at Harrison so that they will be prepared to assist dealers and distribu-

tors in merchandising RCA Radiotrons.

EASTERN WAREHOUSE

We, the employees of the Service Station, wish to say "howdy" from our new headquarters at 264 Hillside Avenue, Newark, N. J., having moved from our old home at Brooklyn on April 1.

As we are all rather unfamiliar with our surroundings and many new friends, we are short of interesting gossip and this will be rather brief. There is one item that can be covered and will be of interest for our male sex, an aggregation of baseball players from the Eastern Warehouse, embarked on Saturday, May 3, journeying to Mazda-brook, N. J. It was the first spring practice, thus all the rookies had hopes of knocking a home run or making a triple play single handed. Upon arriving at their destination they were faced with a problem of where to play for the field was occupied by a group of men from the G. E. office at Newark. After a short delay two teams were formed and the hostilities began. What a game! There was a disagreement among the official scorekeepers, one said 20-10 and the other 18-11 at any rate the boys from Newark were victorious. Remember we were only getting practice.

Alfred Hammond embarked on the sea of matrimony May 1. We are wishing him and Mrs. Hammond lots of luck.

SOUTHEASTERN WAREHOUSE

We of the Atlanta Branch wonder if all the other offices of our company are in as big a whirl-wind as our office. New people coming in, new work taken up, new everything. Our officials couldn't have picked out a better time

for a change of this kind. Weather down here is too pretty to be true; everyone is happy, feeling well and r'aring to outdo the other fellows to start the ball rolling right. We are looking forward to good business and happy relations with the new additions to our family.

Our personnel: Miss Elsie Rudderman—A whiz on taking credit memoranda. "She ain't never made but two mistakes since she came to work here and soon as she seen she done it, she taken it back."

Miss Ruth Moore—At present she is free and 21, for how long, we don't know as she has a very heavy beau. She specializes in billing and everything that goes with it.

Miss Alma Akins—Good at doing anything, but splendid on replacements and posting.

Miss Marry Simms—I should say she is about 24. Sometimes she is about 19, sometimes about 25. Anyway 24 is a good average. Handles replacements, sales listing and compiles little things in big books.

Bill Nash—One of those fellows who is always right. When we catch him in an error we feel we have really done something big and mark one more point down for our side.

Guy Adams—Mr. Nash's assistant. Shipping clerk. Smart boy. Always busy.

Miss Peggy O'Neil—Remember the song "That's Peggy O'Neil"? Our Peggy is just such a girl. She is the boss' secretary and does a great deal of general office work besides.

Mrs. Avis Scott—Handles accounts. She surely is smart and accurate.

C. H. Willis—Would make a good understudy for Buster Keaton. Serious boy. He always has his nose in a book.

Don't get me wrong, my public, it isn't fiction, but figures.

H. J. James—Somebody told me this boy is engaged. I thought he was on his guard for some reason. I haven't seen him any place in the office except the warehouse. He certainly stays on the job.

Arthur Harned—Not once have I seen him take his eyes off his test kit. Maybe he is shy, engaged or something, or perhaps he is just conscientious.

Miss Bertha Simms—Office Manager. Has her hands full. All told, makes a pretty good job out of it.

E. E. Jordan—Our new Manager. We have had the pleasure of knowing him only a few weeks but from what we know now, our future looks rosy with such a leader. We hope he likes us as well as we do him.

We are being favored with a visit from Mr. Giering. He is attempting to instruct us in our various duties. He figures and figures with one employee and puts him through the third degree. Next thing you know he is looking at you and you say to yourself, "Oh Lordy, I'm next." So you have to review your work quickly to see if you can impress him when he asks you questions. He certainly knows. We hope he will come to see us often. He is an inspiration.

If all you people would like a photograph of our office force, just write your name on the inside of a Radiotron carton, mail to us or to the station to which you are listening and said photo will certainly be forth-coming.

HARRISON WORKS NO. 1

We had hoped that before this was written we would be able to say that Mr. Holzman had returned from his illness, but we can at least hope that he will be with us again before next.

Our most astute devotee of the "National Pastime," Al Condon, confessed, recently that increased avoirdupois and advanced age have compelled him to quit the game forever. Lackady.

Any stranger meeting our staff would suspect a serious epidemic of high blood-pressure. It is nothing more serious than the results of falling asleep under new sun lamps.

Recently the factory staff accompanied by two old friends and former co-workers, Mr. Bartlett and Mr. Laurillard, had dinner in New York and later saw the fights at the Madison Square Garden. The so-called fights were ill-named, as endearing embraces distracted the contestants from the issue at hand. Notwithstanding, the evening was a great success.

Two of our foremen, Mr. Edwards and Mr. Hughes, have bought new cars recently and it is quite certain that they will be constant frequenters of the golf links at Mazdabrook. That reminds us that unless certain of our members have a change of heart Major Seagrave's record will be surpassed before the season is far advanced.

Mr. Miller, Mr. Wilson and Mr. McDermott were convinced the other evening that parking is not allowed in front of the factory. They will meet the judge. We might add that they will probably have a "fine" time.

NEWARK WORKS

Bang! That is neither the heralding blow-off of the Fourth of July or a flat tire. It is a description of the manner in which the Newark Works of the RCA Radiotron Company is putting across a gigantic shrinkage campaign which started March 10 and will terminate May 16. The object—to produce more perfect parts and consequently

more perfect tubes—has been certainly and successfully attained. With a centralized radio system to amuse us while we work, and additional salary for turning out superior tubes the result was inevitable.

On May 16, the closing date of the campaign, there was a dance and the drawing for the twenty money prizes, chances for which were earned by the girls in departments that turned out the best work weekly.

It might be fitting to attempt to induce the girls to Unit 19 to conduct a little campaign of their own. Perhaps we would have more room to move around.

Something should be done to help Mary Thompson. She never seems able to reach the Sealex board. How about a pair of stilts?

Congratulations to the bride of Unit 15. It's too bad some people can't keep a secret, J. M.

What we'd like to see is Rose S. refraining from yelling "What's the name of the song" everytime the radio is on. And another thing, Felecia Z. should stop telling the girls on her table, bed-time stories. Helen B. is unquestionably a daughter of Eve. Have you noticed that there's always an apple on her table?

Here's wishing Mrs. Anderson (Better known around these parts as "Kitty") a wonderful trip when she leaves for Europe on July 10, with her son, Francis.

We've almost forgotten the Machine Shop and that so called fishing expedition. A lot has been heard about "Lemon Cure" and pork, but very little about fish. They say they enjoyed themselves immensely, but then, like Gandhi, you have to take everything they say with a grain of salt.

(Continued from inside front cover)

RADIO CORPORATION OF AMERICA

233 BROADWAY

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156 Rue de L'Université

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567 Av. Pres. Roque Saenz Pena

Manila—Colonel C. H. Nance, Far Eastern Manager, Pacific Building

Rio de Janeiro—P. A. Dana, Caixa, Postal, 2726

Shanghai—Alanson B. Tyrrell, }
George F. Schecklen, } Room 132, Sassoon House

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233 BROADWAY

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7 J. Quinn, Commercial Representative
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G. H. Carney, Commercial Representative
1111 Connecticut Avenue, Washington
180 West Monroe Street, Chicago
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Frank M. Day, Traffic Superintendent
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7 Wilbur, Commercial Representative
City Office, 22 Henry St., San Francisco
Branch Office, 120 California St., San Francisco
T. H. Mitchell, Hawaiian Representative
122 Fort Street, Honolulu, T. H.

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J. B. Duff, Assistant General Supt. (Operations)
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Baltimore District: W. P. Holland, Manager, No. 702 East Lombard Street, Baltimore
Norfolk District: Harry H. Bell, Manager, No. 225 Brewer Street, Norfolk
Savannah District: Paul Horton, Manager, 211 East Bay Street, Savannah, Ga.

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George Martin, Assistant Superintendent
Buffalo District: Harold Smith, Manager, 225 Erie Street, Buffalo
Chicago District: Peter F. Nite, Manager, 2426 State Avenue, South Chicago
Dubuque District: H. E. Clark, Manager, 217 West 27th Avenue, Dubuque
W. F. Vogt, Credit Manager

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S. A. Litch, Division Superintendent, No. 12 Fluv Street, San Francisco
Los Angeles District: Sydney A. Slack, Manager, No. 413 So. Spring Street, Los Angeles
Seattle District: George Street, Manager, 207 Cassin-Morris Building, Seattle

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W. F. Elliott, District Superintendent
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Fort Arthur District: R. D. Osborn, Manager, West End 7th Street, Fort Arthur
Fort Worth District: W. J. Hurst, Manager, No. 202 Northwest 11th Street, Fort Worth
Galveston District: J. A. Hartman, Manager, No. 2420 Avenue "D," Galveston

NEW ENGLAND DIVISION

George W. Mitchell, Superintendent, 412 Atlantic Avenue, Boston



Radio's Greatest Thrill Now Lies In Its Future

THE thrill of music and speech coming out of the void, like rabbits from a magician's hat, no longer moves us to wonder. The more pertinent question now asked with regard to radio is, "Whither bound?"

To give even partial answer to this question, our only course is to pursue the flying coat-tails of progress in order to catch a fleeting vision of what is before us. Not only must we travel fast, but, paradoxically enough, in many directions at the same time. Such are the exceptional demands of an art that spans the oceans with wireless, that unites ship to shore with invisible strands of communication, that makes millions of homes resonant with music and speech broadcast through the air, that has come to create a new art of talking-motion pictures, and that now promises to open an era of sight transmission by radio.

Dixie Sarnoff in "Radio and Its Future."