

The Institute of Radio Engineers

YEAR BOOK

FOR

1916



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DISTRIBUTION OF THE MEMBERSHIP

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(INC.)

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Changes in addresses of the members, or other necessary information,
should be sent to the Secretary, The Institute of Radio Engineers, 111 Broad-
way, New York City.

The Institute of Radio Engineers

YEAR BOOK

FOR

1916

INTRODUCTION

In view of the remarkable growth in membership and increase in the activities of The Institute of Radio Engineers during 1915, the Board of Direction has deemed it proper to submit to the membership of the Institute and others interested in its activities, the following account of its aims and accomplishments.

The Board of Direction having authorized such action by resolution, the Secretary has prepared the information contained in this publication. It has been attempted to give such detailed information as will enable the membership and others interested to gain a clear idea of what the Institute stands for and how it may best be assisted.

The Board of Direction expresses to the membership its appreciation of their earnest cooperation in the activities of the Institute; a cooperation without which the present success of the Institute would have been impossible.

It ventures to hope that this kindly attitude will continue, and that the Institute will increasingly fulfill the worthy aims of its founders.

GENERAL INFORMATION

Purpose of the Institute

The Institute of Radio Engineers is the only society representing the radio engineering profession. The remarkable progress in the art of communicating thru space since 1900 has made eminently desirable the formation and development of an organization of this character. The future advance of the radio profession will owe much to the men who founded The Institute of Radio Engineers, and those who have carried on its activities. These men have foreseen the possibilities of such an organization: an organization which has fostered and encouraged the development of this highly useful art and has afforded ample opportunities for its members to meet and to discuss radio problems. It has had a marked educational as well as a development value. It is clear that the Institute will be no small factor in the future progress of the radio art, in the technical advancement of its individual members, and the elevation of the radio profession as a whole.

History of the Institute

Previous to the formation of The Institute of Radio Engineers, two of the most influential organizations in the radio field, were the Society of Wireless Telegraph Engineers of Boston and the Wireless Institute of New York. To avoid inevitable duplication of effort and to increase their usefulness by co-operation, these societies considered consolidation. The consolidation was successful, and on May 13, 1912, The Institute of Radio Engineers was formally established with a membership of less than fifty (50). Before the end of 1915, the membership had risen to nearly one thousand (1,000). This remarkable increase in membership, twenty fold in less than four years, is

significant of the need for the Institute and the way in which it has met this need.

Eligibility to Membership

The membership of the Institute consists of five grades: Honorary Members, Fellows, Members, Associates and Juniors. The qualifications for each of these grades are given in detail in Article II of the Constitution given on pages 26 and 27 of this publication.

Applications for Membership

All applications must be made on forms which are provided for that purpose and which can be obtained on application from the Secretary at the office of the Institute, 111 Broadway, New York City. These forms provide a space for the required reference to five Fellows, Members or Associates and for a brief, orderly record of the scientific, professional or commercial experience of the candidate. If the applicant is not personally acquainted with five Fellows, Members or Associates, he may refer to non-members who shall preferably be members of other engineering organizations, or known to prominent members of The Institute of Radio Engineers. In this case, members of the Board of Direction will personally endorse his application, provided the communications received from his references are satisfactory.

Entrance and Transfer Fees and Annual Dues

The fees to the various grades of membership in the Institute are as follows:

Entrance Fees

For Fellows.....	\$10.00	For Associates.....	\$3.00
For Members.....	5.00	For Juniors.....	1.00

Transfer Fees

From Member to Fellow.....	\$2.50
From Associate to Member.....	3.50
From Junior to Associate.....	0.50

Annual Dues

For Fellows.....	\$10.00	For Associates.....	\$4.00
For Members.....	7.50	For Juniors.....	3.50

The entrance fee covers admission to the Institute. The transfer fee covers change from one grade to another and the amount corresponds to the difference between the dues of the grades in question. The annual dues include sub-

scription to the *Proceedings of The Institute of Radio Engineers* as well as all other printed matter furnished to the general membership. Such publications include certain Committee Reports, Year Books, Notices, Special Notices, Nomination and Election ballots.

A person elected after July first of any year is required to pay one-half the dues for that year.

Honorary members are exempt from all payments.

Membership

The membership of the Institute consists of scientists, engineers, professional and commercial men engaged in the study, development and practice of the radio science and art, and others who thru their business or interest are concerned with the field of radio communication.

All types of workers engaged in the radio field and in allied fields are represented in the Institute. Among the membership may be found inventors; authors; consulting and practising engineers; professors of physics and engineering; chief engineers; managers; executive officers of commercial organizations; officers and representatives of many branches of the Governments; professional and amateur investigators; professional and amateur operators; as well as others to whose interest it is to keep abreast with the development of radio communication.

Detailed Growth of the Institute

The details of the increase in membership of the Institute follow:

Membership Jan. 1, 1912,	43
The Society of Wireless Telegraph Engineers.....	27
Membership Jan. 1, 1912, The Wireless Institute...	27
Membership May 13, 1912,	45
The Institute of Radio Engineers.....	45
Membership Jan. 1, 1913,	109
The Institute of Radio Engineers.....	109
Membership Jan. 1, 1914,	231
The Institute of Radio Engineers.....	231
Membership Jan. 1, 1915,	633
The Institute of Radio Engineers	633
Membership Jan. 1, 1916,	984
The Institute of Radio Engineers.....	984

It is noteworthy that for the year 1915 the increase of membership has been 55 per cent. It is believed that this rate of

increase can be maintained if the present membership exerts itself actively in advising others of the advantages of membership in the Institute.

Advantages of Membership

All members of the Institute are furnished, without extra expense, copies of all issues of the *Proceedings of The Institute of Radio Engineers*. At the present time, six issues are published per year. The most recent developments and discoveries are clearly presented in its pages; and the study of its contents has proven to be a most successful method of following progress in the radio field.

There is also issued a report of the Committee on Standardization, which contains official definitions of all terms used in the radio field, standard methods of testing and rating apparatus, carefully drawn diagrams of standard graphical symbols and a trade name dictionary giving interesting and important information as to the mode of operation of certain commercial devices.

Members of the Institute are permitted to attend the meetings of the Institute or its Sections, to present suitable papers before such meetings, to discuss papers at such meetings, and they have further the privilege of admission for their friends to such meetings.

Members presenting papers before the Institute are entitled to ten copies of the issue of the *Proceedings* containing the paper and the discussion thereon.

The management of the Institute, so far as the election of officers and the consideration of constitutional amendments is concerned, is in the hands of the membership. It will thus be seen that the membership of the Institute exerts a beneficial influence on progress in this field.

Meetings

Meetings of the Institute are held monthly in New York, except during July and August of each year. At these meetings scientific, engineering and other papers relative to the art of radio communication are presented by members of the Institute, specially qualified to treat the subject. The presentation of the papers is followed by an open discussion. The material presented during this discussion may appear in the *Proceedings*, as also may material submitted by letter thereafter. Regular meetings of the Sections of the Institute are held in Washington, D. C., Boston, and Seattle. Details of these meetings may be

secured from the Secretary-treasurer of each Section. Their names and addresses are the following:

for the Washington Section; Mr. George H. Clark; Navy Department, Washington, D.C.;

for the Boston Section; Mr. Melville Eastham; 11 Windsor Place, Cambridge, Mass.;

for the Seattle Section; Mr. Alexis A. Paysse, Hotel Burke, Seattle, Wash.

The annual meeting of the Institute is held at New York during the month of January.

Sections

There was established in January, 1914, a Section of the Institute in the city of Washington, D. C., for the benefit of those members residing in the vicinity of the Capital. A number of papers have been presented before this Section and have been discussed. Some of these papers have duly appeared in the *Proceedings*.

In November, 1914, a Section of the Institute was established in the city of Boston, Massachusetts. Attendance at the meetings of the Boston Section has risen from about twenty (20) at the time of its formation, to one hundred and forty-three (143) at the December, 1915, meeting. A large number of papers have been presented and discussed before the Boston Section and most of these have appeared or will shortly appear in the *Proceedings*.

In February, 1915, a Section of the Institute was established in the city of Seattle, Washington. Papers have been read before this Section, and its activities are rapidly broadening.

Subscription to Publications of the Institute and Emblem

The following are the subscription rates to the *Proceedings* of the Institute:

	Per Copy	Per Volume
To Members.....	\$0.75	\$1.50
To Non-members.....	1.00	6.00
To Booksellers, Libraries, etc.....	0.75	4.50
To Foreign Non-members.....	1.10	6.60
To Foreign Book-sellers, Libraries.....	0.83	4.95

The cost of bound volumes of the *Proceedings* inclusive of the 1915 volume is as follows:

	Buckram Binding	Leather Binding
To Members.....	\$4.00	\$5.00
To Foreign Members.....	4.50	5.50
To Non-members.....	5.00	6.00
To Foreign Non-members.....	5.50	6.50

Members or subscribers to the *Proceedings* may have their copies for any year inclusive of 1915 (in good condition) bound at the following rates (postpaid):

In the United States.....	\$1.25	\$2.00
When mailed abroad	1.50	2.25

Copies of reports of certain committees of the Institute (for example, the Standardization Report) may be secured by non-members, at a cost set by the Board of Direction for such reports. The price of the Standardization Report for 1915 is \$0.25. Reprints of certain papers which have appeared in the *Proceedings* may be secured at a cost set by the Board of Direction, which cost can be ascertained by inquiry from the Secretary.

The emblem of the Institute may be worn by all members of The Institute of Radio Engineers. This emblem is made in the form of a badge in gold which can be secured from the Secretary of the Institute, 111 Broadway, New York City.

The badges are made in distinctive colors, these being gold with blue lettering for Fellows, blue with gold lettering for Members, maroon with gold lettering for Associates and white with gold lettering for Juniors. The initials of the member and the number of the pin are engraved on the back. The cost of any of these badges is \$2.50.

Insignia

Members of The Institute of Radio Engineers are entitled to indicate their connection with the Institute by using the following abbreviations, corresponding to their grade, after their names:

Honorary Member I. R. E.
Fellow I. R. E.
Member I. R. E.
Associate I. R. E.

Government of the Institute

The administration of the Institute is entrusted to the Board of Direction which consists of the President, Vice-Presi-

dent, Treasurer, Secretary, Editor of Publications and nine Managers. The President, Vice-President, Treasurer and Secretary are elected annually by the members of the Institute. The Editor of Publications is appointed by the Board of Direction. The term of five managers ceases each year; two of these managers are replaced by direct vote of the membership. The remaining three managers are elected by the remaining members of the Board of Direction.

The term of office of the President, Vice-President, Treasurer, and Secretary is one year, and ends at the annual meeting in January. The term of the Editor is one year but his appointment continues unless there be adverse action by the Board during its May meetings.

Fellows, Members and Associates are eligible for any of the offices of the Institute except that the Presidency and Vice-Presidency are restricted to Fellows of the Institute and the Editorship of Publications is restricted to Fellows or Members of the Institute. All members of the Institute except Juniors have full privileges of voting for officers.

Committees

To facilitate the carrying on of the work of the Institute in certain specific directions, there are appointed committees to which are delegated certain duties.

Three of these committees, in accordance with the Constitution, are standing committees. These are the Committee on Papers, the Committee on Standardization, and the Committee on Publicity.

It is the function of the Committee on Papers to secure for presentation before the membership papers which are technically and scientifically sound and which contain material of interest to the membership.

The Committee on Standardization aims to secure uniform and satisfactory usage in connection with terms used in the radio art, graphical and literal symbols, suitable methods of testing and rating, and such other matters as may properly be recommended for uniform usage by the Institute.

The Committee on Publicity is delegated to inform the public and the technical press of the work done by the Institute and of the recommendations relative to radio communication made by the Institute or its Committees. The full benefit of the activities of the Institute is thus shared with the public and the art of radio communication is served thereby.

A number of special committees of the Institute are appointed by the Board of Direction or by the President as need for such committees arises, and their functions are defined at the time of their appointment or subsequently.

REPORT OF THE SECRETARY

To The Board of Direction of The Institute of Radio Engineers:

I beg leave to submit herewith my report for the year just ended.

The growth of our organization has made it necessary to secure an office suitable for the transaction of the business of the Institute and for the meetings of the Board of Direction, which are held weekly. Accordingly, a suitable office was found at 111 Broadway, the present home of the Institute, and I am pleased to advise that the new quarters have proven entirely satisfactory.

The records of the Institute are complete and suitably arranged for ready reference. The considerable increase in our membership, with its attendant additional correspondence and accounting, has made the office of the Secretary a busy one. Complete minutes are kept of the work of all the Committees including the Standardization Committee. Minutes of the Board of Direction meetings are available in complete form. These records have proven of inestimable value in the management of the Institute affairs.

During the month of September, 1915, a Convention was held at the Panama Pacific Exposition grounds at San Francisco; where, at the joint meeting of the American Institute of Electrical Engineers and The Institute of Radio Engineers, two papers of The Institute of Radio Engineers were presented. One paper was by Professor Harris J. Ryan and Mr. Roland G. Marx on "Sustained Radio Frequency High Voltage Discharges," and the other by Mr. Robert H. Marriott on "Radio Development in the United States." These papers met with an enthusiastic reception, and the Convention was eminently successful. The thanks of the Institute is due to Mr. Robert B. Woolverton, who was Chairman of the "Committee on San Francisco Representation" and thru whose efforts all arrangements at San Francisco were made. The Institute was awarded a bronze medal, which is now at the office, 111 Broadway.

The Institute is also indebted to Mr. Louis G. Parent for his valuable efforts in obtaining advertisements for the Institute *Proceedings*. The revenue derived from this source has been

most helpful to the Institute, and the co-operation of all members is earnestly solicited in this respect.

My report would be incomplete without expressing deep gratitude to all members who have helped to secure additional members of the Institute, and to Professor Alfred N. Goldsmith who has been so generous in providing the Institute home with complete furnishings which have added materially to the comfort and appearance of the Institute office.

Respectfully,
DAVID SARNOFF,
Secretary.

REPORT OF THE TREASURER

To The Board of Direction:

The Treasurer takes pleasure in submitting the following report, showing the financial condition of The Institute of Radio Engineers on December 31, 1915. He notes with hearty satisfaction that the finances are improving almost to the point where the Institute may be considered as self-supporting, and that with the increase of dues (and the payment of them), it seems safe to expect that the Institute will reach this desirable position within the course of the coming year.

The outlook in the earlier part of the year was not very bright, with over \$1,200.00 of last year's debts to be paid as well as the immediate prospect of equipping and assuming responsibility for a business office. In spite of this heavy burden and in addition to our naturally increasing operating expenses, it is gratifying to be able to report that the Institute closes the year owing no bills and having a balance in the bank. It is obvious, however, that receipts from our regular sources of income (even if all dues were paid) would not have taken care of the situation. It is therefore not only on behalf of the Institute but out of his personal appreciation for relief from considerable anxiety that he most heartily thanks the good friends and loyal members whose names appear elsewhere, who have donated money and fixtures more than enough to start the new year with a clean slate. He trusts that this generosity, which makes possible so satisfactory a financial report will not prevent the membership from realizing that the Institute is not yet self-supporting. It will be necessary to have the co-operation of the entire membership; first in the securing of additional members, and second, in the prompt payment of dues.

He wishes to thank, in addition to those referred to above, such others as have contributed directly and indirectly to the financial success of this year's administration; namely, our Advertising Manager, Mr. Louis G. Parent and the advertisers whom he has secured, Dr. Alfred N. Goldsmith and those who have contributed papers to the *Proceedings*. A considerable debt of gratitude is owed to the contributors to the *Proceedings*, for its must be realized that it is the contents of our *Proceed-*

ings which makes them valuable and membership in the Institute desirable.

Finally, he wishes to express his appreciation to the entire membership for the rare privilege they have given him in working among so delightful a group of altruists who, from his observation, have rendered such valuable services to the Institute as cannot be measured in terms of "dollars and cents."

Respectfully submitted,

WARREN F. HUBLEY,
Treasurer

THE INSTITUTE OF RADIO ENGINEERS
(Inc.)

ASSETS

Cash in Bank.....	\$100.00
Petty Cash Account.....	35.00
	<hr/>
Accounts Receivable (Exhibit "A-1").....	\$135.00
1913 Members Dues Unpaid.....	5.00
1914 " " "	5.00
1914 Associates " "	20.00
1915 Fellows " "	90.00
1915 Members " "	49.00
1915 Associates " "	385.50
1915 Juniors " "	34.50
Emblems sold " "	21.75
Proceedings " "	25.50
	<hr/>
Proceedings Subscriptions unpaid (Exhibit "A-2")...	86.38
Advertisements (Exhibit "A-3") 1914.....	30.50
" " " 1915.....	150.25
	<hr/>
Inventory (Exhibit "A-4")	180.75
Proceedings on hand	870.43
Stationery and printed forms.....	80.00
Furniture and fixtures.....	300.00
	<hr/>
	1,250.13

\$2,288.51

THE INSTITUTE OF RADIO ENGINEERS
(Inc.)

LIABILITIES

Accounts Payable	
None.....	None
Notes Payable	
Lester L. Israel.....	\$100.00
Arthur A. Hebert.....	50.00
John Stone Stone.....	250.00
F. Lowenstein.....	20.00
R. A. Weagant.....	25.00
Rollo Brown.....	10.00
	<hr/>
	455.00
Dues in Advance	
Associates 1916.....	46.00
Associates 1917.....	6.00
Associates 1918.....	4.00
Members 1916.....	7.50
Members 1917.....	7.50
Subscriptions 1916.....	16.25
	<hr/>
	87.25
Income Unapplied.....	9.00
	<hr/>
Total Liabilities.....	551.25
Deficit at January 1, 1915.....	32.37
Profit for year ended December 31, 1915.....	1,769.63
	<hr/>
	1,737.26

\$2,288.51

THE INSTITUTE OF RADIO ENGINEERS
(Inc.)

RECEIPTS

Balance from December 31, 1914.....	\$243.92
Dues Arrears "Society of Wireless Telegraph Engineers," collected thru J. L. Hogan, Jr.....	\$22.99
I. R. E. 1912-13 all grades.....	11.00
1914 Members and Juniors.....	20.50
1914 Associates.....	76.00
Miscellaneous, Emblems, <i>Proceedings</i> and Advertisements.....	328.40
	458.89
Dues, Current 1915 Associates.....	1,751.85
1915 Members, Fellows and transfer fees	944.61
1915 Juniors.....	120.00
	2,816.46
Dues, Advance 1916 Associates.....	46.00
1916 Members.....	7.50
1917 Associates.....	6.00
1917 Member.....	7.50
1918 Associate.....	4.00
Subscriptions 1916.....	16.25
	87.25
Emblems, paid for.....	347.00
<i>Proceedings</i> , bindings and reprints, paid for.....	845.60
Advertisements ("B-1").....	635.13
Donations ("B-2").....	1,395.71
Overpayments (income unapplied).....	9.00
Receipts from notes payable ("A").....	110.00
Receipts from Braun-Zenneck dinner.....	118.50
Receipts from personal telephone calls.....	7.53
Miscellaneous receipts.....	5.22
	\$7,080.21

THE INSTITUTE OF RADIO ENGINEERS
(Inc.)

DISBURSEMENTS

Cost of emblems.....	\$327.75
Printing <i>Proceedings</i> , reprints and binding.....	2,759.32
Miscellaneous printing.....	180.90
Meetings expense.....	59.47
Postage and telephone.....	440.77
Stationery and supplies.....	374.20
Stenographers' salary and extra clerical help.....	984.00
Miscellaneous expense.....	53.40
1914 Accounts paid.....	1,205.46
Rent—8 months.....	200.00
Typewriter.....	67.50
Cost of Braun-Zenneck dinner.....	153.50
Accountant.....	100.00
Petty Cash Account on hand in office.....	35.00
Sundry disbursements including interest, bad checks.....	38.94
Balance on hand in Bank, December 31, 1915.....	100.00

\$7,080.21

THE INSTITUTE OF RADIO ENGINEERS
(Inc.)

INCOME

1915 Dues

Associates.....	\$2,164.35
Fellows, Members and transfer fees.....	1,093.61
Juniors.....	154.50
Emblems.....	368.75
<i>Proceedings</i>	965.98
	— \$4,747.49
Old S. W. T. E. dues collected by J. L. Hogan, Jr.....	22.99
Donations	
Alfred N. Goldsmith.....	936.71
Federal Telegraph Co.....	25.00
General Electric Co.....	100.00
American Transformer Co.....	25.00
Marconi Wireless Telegraph Co. of America.....	100.00
American Telephone & Telegraph Co.....	100.00
Weston Electrical Instrument Co.....	10.00
Ernest R. Cram.....	25.00
J. H. Hammond, Jr.....	10.00
J. Hans Rogers.....	10.00
National Electric Supply Co.....	50.00
Louis R. Krum.....	2.00
Julien Barth.....	12.00
Alfred N. Goldsmith (furniture).....	150.00
Alfred N. Goldsmith (cancelled note).....	300.00
L. W. Austin " "	50.00
Harry Shoemaker " "	25.00
	— 1,930.71
Receipts for Braun-Zenneck dinner.....	118.50
Phone refunds.....	7.53
Advertisements.....	785.38
Miscellaneous receipts.....	5.22
	—
	\$7,617.52

THE INSTITUTE OF RADIO ENGINEERS
(Inc.)

EXPENSES

Cost of emblems.....	\$327.75
Cost of printing <i>Proceedings</i>	2,759.32
Miscellaneous printing.....	180.90
Meetings expense.....	59.47
Postage and telephone.....	440.77
Stationery and supplies.....	374.20
Rent -8 months.....	200.00
Stenographers' salary and extra help.....	984.00
Miscellaneous expense.....	53.40
Printing last year (not included in Accounts Payable).....	95.34
Typewriter.....	67.50
Cost of Braun-Zenneck dinner.....	153.50
Accountant.....	100.00
Interest, bad checks, shortage in exchange.....	38.94
Pad debts written off.....	294.79
	—
Total Disbursements.....	6,129.88
Add Inventory January 1, 1915	818.14
	—
Deduct Inventory on hand December 31, 1915 {	6,948.02
Less \$150.00 donation of furniture }	1,100.13
	—
Profit for year ended December 31, 1915, as per }	5,847.89
Balance sheet (Exhibit "A") }	1,769.63

REPORT OF THE EDITOR OF PUBLICATIONS FOR 1915

The expansion of the activities of The Institute of Radio Engineers during 1915 has been highly gratifying. A detailed comparison of the work done in 1915 with that of 1914 follows:

	1914	1915	Increase
Papers published.....	43	49	6
Pages of <i>Proceedings</i>	331	416	85
Illustrations in <i>Proceedings</i>	102	148	46
Items in Index of <i>Proceedings</i>	164	425	261
Papers of which reprints were made	2	4	2
Pages of reprints.....	33	58	25
Papers of which advance copies were made.....	--	1	1
Pages of advance copy.....	--	32	32
Total pages published, including Year Book, Standardization Report, etc.....	364	580	216
Correspondence of Editor's Office (in letters).....	500	1500	1000

It will be seen that the total publications of the Institute have increased nearly 60 per cent during 1915. As a natural consequence, the business transacted by the Editor's office has very markedly increased.

During 1916, in accordance with a recently passed constitutional amendment, there will be published six issues of the *Proceedings*, instead of four as heretofore.

A difficulty has been experienced in securing copies of papers and discussions of the meetings of some of the Sections of the Institute. Arrangements are being made whereby this difficulty will be overcome.

The Editor feels it desirable to have advance copies of certain of the papers presented before the Institute available for the use of interested members, to the end that a more complete discussion may be secured on such papers. Financial considerations have, up to the present, prevented the adoption of any broad plan in this connection; but every effort will be made to devise and carry out such a plan.

The thanks of the Institute and the Editor are due those who by their kind assistance have made possible the presentation and publication of the 1915 papers.

ALFRED N. GOLDSMITH,
Editor.

CONSTITUTION

ADOPTED AT THE FIRST MEETING OF THE INSTITUTE OF RADIO ENGINEERS, MAY 13, 1912, AMENDED NOVEMBER 2, 1914, AND DECEMBER 5, 1915.

ARTICLE I

NAME AND OBJECT

SEC. 1. The name of this organization shall be The Institute of Radio Engineers.

SEC. 2. Its object shall be the advancement of the theory and practice of radio engineering and of the allied arts and sciences and the maintenance of a high professional standing among its members. Among the means to this end shall be the holding of meetings for the reading and discussion of professional papers and the publication of such papers, discussions and communications as may seem expedient.

ARTICLE II

MEMBERSHIP

SEC. 1. The membership of the Institute shall consist of:

a. Honorary Members, who shall be entitled to all the rights and privileges of the Institute except the right to nominate, vote and hold office.

b. Fellows, who shall be entitled to all the rights and privileges of the Institute.

c. Members, who shall be entitled to all the rights and privileges of the Institute except the right to hold the office of President and Vice-President.

d. Associates, who shall be entitled to all the rights and privileges of the Institute except the right to hold the office of President, Vice-President and Editor.

e. Juniors, who shall be entitled to attend all meetings and to receive copies of all Institute publications.

SEC. 2. Honorary Members may be chosen from among those who have rendered acknowledged eminent service to radio science, or the radio arts.

SEC. 3. A Fellow shall not be less than thirty years of age and shall be either:

a. A radio engineer by profession. As such he shall be qualified to design and to take responsible charge of important radio work; he shall have been in the active practice of his profession for at least seven years, and shall have had responsible charge of important radio work for at least three years.

When the applicant holds in a principal national society of an allied branch of engineering, membership of a grade for which the qualifications indicate a standing equal to that required for the grade of Fellow herein, such membership shall be considered equivalent to three of the required seven years of active practice of the radio profession.

b. A professor of physical science or of electrical engineering. As such he shall have attained special distinction as an expounder of the principles of radio science and of radio engineering; he shall have had at least seven years' experience as a teacher of physical or electrical subjects and shall have had responsible charge for three years, in a radio course of a principal school of science or engineering. Any years of experience as defined in paragraph "a" that the applicant may have had as a radio engineer shall be considered the equivalent of the same number of years of experience as a "teacher of radio subjects."

c. A person who has done notable original work in radio science of a character to give him a recognized standing at least equivalent to that required for the Fellows under paragraphs "a" and "b."

d. A person regularly engaged in radio work for at least seven years, who, by inventions or by special proficiency in contributions to the radio science or the radio arts or radio literature, has attained a standing at least equivalent to that required for Fellows under paragraphs "a" and "b."

SEC. 4. A Member shall be not less than twenty-five years of age and shall be either:

a. A radio engineer by profession. As such, under general direction, he shall have designed and taken responsibility for important radio engineering work; he shall have been in the active practice of his profession for at least four years.

When the applicant holds in a principal national society of

an allied branch of engineering, membership of a grade for which the qualifications indicate a standing equal to that required for the grade of Member herein, such membership shall be considered equivalent to two years of the requisite four years of active practice of the radio profession.

b. A teacher of physical science or of electrical engineering. He shall have had at least four years' experience as a teacher of radio subjects in a school of recognized standing. Any years of experience the applicant may have had as a radio engineer shall be considered the equivalent of the same number of years of experience as a "teacher of radio science or of radio engineering."

c. A person regularly employed in radio or closely allied work for at least four years, who, by invention or by proficiency in radio science, the radio arts, or radio literature, or as an executive of any radio enterprise of large scope, has attained a standing equivalent to that required for Members under paragraphs "a" and "b." In the case of such an executive the applicant must be qualified to take responsible charge of the broader features of radio engineering involved in the work under his direction.

d. A commissioned officer of the Army or Navy of the United States government or of any foreign government, who has been regularly engaged in radio work for a period of three years, who shall have had responsible charge of important government radio work for at least one year and who shall have attained the rank of Lieutenant in the Navy or Captain in the Army.

SEC. 5. An Associate shall be not less than twenty-one years of age and shall be:

a. A radio engineer by profession.
b. A teacher of radio subjects.
c. A person who is interested in and connected with the study or application of radio science or the radio arts.

SEC. 6. A Junior shall be not less than sixteen years of age nor over twenty-one years of age, and shall be a person who is interested in the study or application of radio science or the radio arts.

On attaining the age of twenty-one years, Juniors shall be transferred to the grade of Associate.

SEC. 7. In all cases, graduation from the radio course or electrical course of a school of science or of engineering of recognized standing shall be considered the equivalent of one year's radio experience.

SEC. 8. Any person, who is a Member at the time this group of amendments is adopted, shall not be barred from eligibility to the grade of Fellow because of the age limitation, provided he shall otherwise be eligible as herein defined.

Any person who is an Associate at the time this group of amendments is adopted, shall not be barred from eligibility to the grade of Member because of the age limitations, provided he shall otherwise be eligible as herein defined.

ARTICLE III

ADMISSIONS AND EXPULSIONS

SEC. 1. Honorary Member shall be recommended by at least ten members to the Board of Direction, and upon unanimous vote of that Board shall be proposed to the membership for election. A person elected an Honorary Member shall be promptly notified thereof by letter. The election shall be cancelled if an acceptance is not received within six months after the mailing of notice.

SEC. 2. Applications may be made for admission or transfer to any grade of membership. Applicants shall give references to members of the Institute as follows:

For the grade of Fellow, to five Fellows.

For the grade of Member, to five Fellows or Members.

For the grade of Associate, to five Fellows, Members or Associates.

For the grade of Junior, to five Fellows, Members, or Associates.

Each application for admission or for transfer from one grade to another shall embody a concise statement with dates, of the candidate's training and experience and shall be in such form and such detail as may be prescribed by the Board of Direction. It shall be signed by the applicant and shall contain a promise to conform to the requirements of that grade of membership to which he may be elected.

Each of the members referred to by the applicant shall be requested by the Secretary to address a letter to the Board of Direction, stating the extent of the writer's personal knowledge of the applicant and his training and experience. If at least a majority of the corporate members named as references do not furnish the requisite endorsement, the Secretary shall call upon the applicant for additional names, and not until written com-

munications have been received from at least three members shall the application be considered by the Board of Direction.

The requirements of the foregoing paragraph may be waived in whole or in part where the applicant is well known, either personally or by reputation, to the Board of Direction, or where the application is for Junior or Associate grade.

An applicant who is so situated as not to be personally known to the required number of members of any grade may give the names, occupations and addresses of responsible non-members to complete the required number of references.

Sec. 3. A list comprising the names, ages, addresses and occupations of all new applicants for admission or transfer shall be sent by the Secretary to each member of the Board of Direction.

The Board of Direction may consider applications for admission to Junior grade, or admission or transfer to Associate grade at any regular meeting held at least one week after the list containing the applicants' names has been sent to each member of the Board of Direction.

The Board of Direction may consider applications for admission or transfer to the grade of Member at any regular meeting held at least two weeks after the list containing the applicants' names has been sent to each member of the Board of Direction.

The Board of Direction may consider applications for admission or transfer to the grade of Fellow at any regular meeting held at least four weeks after the list containing the applicants' names has been sent to each member of the Board of Direction.

A recorded affirmative vote, oral or written, of at least two-thirds of the Board members voting at any regular meeting, shall elect or transfer an applicant for any grade. A vote on any application shall stand, unless withdrawn by the Board member voting, until the application is finally acted upon.

Sec. 4. A rejected applicant may renew his application for membership at any time after the expiration of one year from the date of the ballot rejecting his previous application.

Sec. 5. All elected candidates shall be duly notified and shall subscribe to the Constitution and Rules of the Institute. Forms for these purposes shall be prescribed by the Board of Direction. If these provisions are not complied with within six months from the notification of election, such election shall be considered void, unless for special reason the time shall be

extended by the Board of Direction. Membership of any person shall date from the date of his election.

SEC. 6. Fellows, Members, Associates, or Juniors, if found delinquent in their duties may be tried by the Board of Direction, and upon decision of the Board their names shall be submitted to the Institute to determine their suspension or expulsion. A three-quarters vote of the Institute shall be necessary to ratify such action of the Board.

SEC. 7. A member may resign his membership by a written communication to the Secretary, who shall present the same to the Board of Direction; when, if all his dues have been paid his resignation shall be accepted.

ARTICLE IV DUES

SEC. 1. The entrance fee, payable on admission to the Institute, shall be as follows:

Admission to the grade of Fellow, ten (10) dollars
" " " " Member, five (5) dollars
" " " " Associate, three (3) dollars
" " " " Junior, one (1) dollar

The transfer fee from one grade of membership to another shall be the difference between the corresponding admission fees.

The entrance fees shall be waived until January 1, 1916.

SEC. 2. The annual dues payable by members, whether resident or non-resident, shall be as follows:

- a. By Fellows, ten (10) dollars
- By Members, seven dollars and fifty cents (\$7.50)
- By Associates, four (4) dollars
- By Juniors, three dollars and fifty cents (\$3.50)
- b. Honorary Members shall be exempt from all payments.

SEC. 3. The annual dues shall be payable on the first day of January, in advance for the ensuing year. It shall be the duty of the Secretary to notify each member of the amount due at the time of giving notice of the annual meeting.

SEC. 4. Persons elected after July 1st of any year shall pay only one-half of the dues for that year.

SEC. 5. Any person whose dues are more than three months

in arrears shall be notified by the Secretary. Should his dues not be paid when they become six months in arrears, he shall lose the right to vote or to receive the publications of the Institute. Should his dues become nine months in arrears, he shall be again notified in form prescribed by the Board of Direction, and if such dues become one year in arrears he shall forfeit his connection with the Institute. The Board of Direction, may, however, for cause deemed by it sufficient, extend the time for payment and for the application of these penalties.

SEC. 6. The Board of Direction may, for sufficient cause, temporarily excuse from payment of annual dues any member; and the Board may remit the whole or part of dues in arrears, or accept in lieu thereof desirable additions to the library or collections.

SEC. 7. Every person admitted to the Institute shall be considered as belonging thereto and liable for the payment of all dues until he shall have resigned, been expelled, or have been relieved therefrom by the Board of Direction.

ARTICLE V OFFICERS

SEC. 1. The governing body of the Institute shall be a President, Vice-President, a Secretary and a Treasurer and Editor of Publications, six elected Managers, and three appointed Managers, who shall together constitute the Board of Direction.

SEC. 2. The terms of all officers, except the six elected Managers, shall be one year, and shall begin at the close of the annual meeting at which election is made. The terms of all officers shall continue until successors are duly elected. The President and the Vice-President shall not be eligible for immediate renomination to the same office.

SEC. 3. Two Managers shall be elected each year and serve for three years.

For the year 1915 the six elected Managers shall be voted upon as follows: The two candidates receiving the highest number of votes shall serve for three years; the two candidates receiving the next highest number of votes shall serve for two years; the two candidates receiving the next highest number of votes shall serve for one year.

SEC. 4. The three appointed Managers shall be chosen by the Board of Direction, to serve for terms of one year. These appointed Managers shall have no vote in the election of their successors.

ARTICLE VI

MANAGEMENT

SEC. 1. The President shall have general supervision of the affairs of the Institute. He shall preside at meetings of the Institute and of the Board of Direction at which he may be present, and shall be an ex-officio member of all committees. He shall deliver an address at the annual meeting.

SEC. 2. The Board of Direction shall manage the affairs of the Institute in conformity to the laws under which the Institute is organized and the provisions of the Constitution. It shall direct the investment and care of the funds of the Institute; make appropriations for specific purposes; act upon applications for membership as heretofore provided; take measures to advance the interests of the Institute; appoint all its employees, and generally direct its business. The Board of Direction shall make an annual report at the annual meeting, transmitting the report of the Treasurer and of other officers and of committees. Five members of the Board of Direction shall constitute a quorum.

SEC. 3. The Treasurer shall receive all moneys and deposit same in the name of the Institute. He shall invest all funds not needed for current disbursements, as shall be ordered by the Board of Direction. He shall pay all bills, when certified and audited, as provided by this Constitution and by rules to be prescribed by the Board of Direction. He shall make an annual report and such other reports as may be prescribed by the Board of Direction.

The Board of Direction shall secure a satisfactory surety for the faithful performance of his duties by the Treasurer, and shall renew the same during the month of January of each year.

SEC. 4. The Secretary will be expected to attend all meetings of the Institute and of the Board of Direction; prepare the business therefor, and duly record the proceedings thereof. He shall see that all moneys due the Institute are carefully collected, and without loss transferred to the custody of the Treasurer. He shall carefully scrutinize all expenditures and use his best endeavor to secure economy in the administration of the

Institute. He shall personally certify the accuracy of all bills or vouchers on which money is to be paid, and shall countersign the checks drawn by the Treasurer against the funds of the Institute, when such drafts are known to him to be proper and duly authorized by the Finance Committee. He shall have charge of the books of account of the Institute, and shall furnish when required by the Board of Direction a statement of receipts and expenses under their several headings, and also a statement of monthly balances. He shall present annually, to the Board of Direction, a balance sheet of his books as of the 31st of December, and shall furnish from time to time such other statements as may be required of him. He shall conduct the correspondence of the Institute and keep full records of the same. He shall perform all other duties which may from time to time be assigned to him by the Board of Direction.

SEC. 5. The Board of Direction may also, if they deem it necessary, appoint an Assistant Secretary, who shall aid the Secretary and be under his immediate direction in all matters.

SEC. 6. The President, as soon as expedient after the annual meeting, shall appoint from the membership, with the advice and consent of the Board of Direction, the following standing committees:

Committee on Papers
Committee on Standardization
Committee on Publicity

Members appointed shall serve until their successors are appointed or the committees are dissolved.

ARTICLE VII

NOMINATION AND ELECTION OF OFFICERS

SEC. 1. Two months before the annual meeting, nominations for the offices of President, Vice-President, Secretary and Treasurer and two Managers, shall be called for from the membership qualified by this Constitution. Before nominees' names are submitted to the membership for final vote each nominee shall be consulted and if he so requests, his name shall be withdrawn and the next ranking name substituted.

For the year 1915, nominations for six Managers shall be called for.

One month before the annual meeting, the Board of Direction shall submit to the entire membership excepting Honorary

Members and Juniors, a list of all nominees, which list shall consist of the pairs of names receiving the largest number of nominations for each office. In the event of ties in nominations the Board of Direction shall select the name of the man in its opinion best fitted for that office. The membership shall then submit written ballots in plain sealed envelopes enclosed within mailing envelopes marked "Ballot" and bearing the members signature, voting for officers from the list of nominees. A majority vote received up to the time of the closing of the polls (twenty-four hours before the opening of the annual meeting) shall elect, and no votes by proxy shall be counted. The method of balloting herein described shall be used for nominating as well as for voting, except the outer envelope shall be marked "Nomination" in the former case. In nominating, as in voting, no proxies or ballots within unsigned outer envelopes shall be opened for counting. Ballots, whether for nomination or voting, shall be checked, opened and counted by a quorum of the Board of Direction, at a regular meeting of the Board. At the time of call for nominations, the Board of Direction shall submit to the qualified voters a list of suggested nominations containing at least two names for each office.

SEC. 2. The Editor of Publications shall be elected by vote of the Board of Direction as soon as practicable after May first.

ARTICLE VIII

MEETINGS

SEC. 1. There shall be an Annual Meeting, at which the annual reports for the year ending December thirty-first previous shall be presented, and the ballot for officers, reported. At this meeting, fifteen (15) members shall constitute a quorum.

SEC. 2. Business meetings shall be held as prescribed by the by-laws.

SEC. 3. In addition to the Annual Meeting, meetings for the reading and discussion of papers shall be held as ordered by the Board of Direction.

SEC. 4. Special meetings may be called by the Board of Direction, and shall be so called upon the request of ten members, which request shall state the purpose of such meeting. The call for such meeting shall be issued ten days in advance and shall state the purpose thereof, and no other business shall

be taken up at such meeting. At these meetings, ten members shall constitute a quorum.

SEC. 5. The Institute may adopt, from time to time, rules for the order of business at its meetings.

SEC. 6. Meetings of the Board of Direction shall be held at the time of the annual meeting and at such other times as the Board may determine, but only on notice to all members of the Board by the Secretary. Notices of time and place of meeting are to be mailed in New York at least two days in advance.

ARTICLE IX

AMENDMENTS

SEC. 1. Proposed amendments to this Constitution must be reduced to writing and signed by not less than twenty Fellows, Members or Associates, and be submitted to the entire membership, except Honorary Members and Juniors, who shall vote by letter ballot. The amendment shall be adopted if seventy-five per cent of the votes received are in favor of such action, the polls having been open for at least one month after mailing to the qualified membership, notices of the proposed amendments. Votes upon the adoption of proposed amendments shall be checked, opened and counted by a quorum of the Board of Direction at a regular meeting of the Board.

OFFICERS AND BOARD OF DIRECTION, 1916
(Terms expire January 3, 1917; except as otherwise noted)

PRESIDENT
ARTHUR E. KENNELLY

VICE-PRESIDENT
JOHN L. HOGAN, JR.

TREASURER
WARREN F. HUBLEY

EDITOR OF PUBLICATIONS
ALFRED N. GOLDSMITH

MANAGERS
(Serving until January 1, 1919)
EDWIN H. ARMSTRONG WILLIAM H. G. BULLARD

(Serving until January 2, 1918)
LOUIS W. AUSTIN JOHN HAYS HAMMOND, JR.

(Serving until January 3, 1917)
LLOYD ESPENSCHEID ROBERT H. MARRIOTT
GUY HILL JOHN STONE STONE

ROY A. WEAGANT

ADVERTISING MANAGER
LOUIS G. PACENT

WASHINGTON SECTION

EXECUTIVE COMMITTEE
CHAIRMAN COLONEL SAMUEL REBER
War Department,
Washington, D. C.
CHARLES J. PANNILL
Commercial Traffic Superintendent
U. S. Naval Radio Service
Radio, Va.

SECRETARY-TREASURER
GEORGE H. CLARK
Navy Department,
Washington, D. C.

BOSTON SECTION

CHAIRMAN A. E. KENNELLY
Harvard University,
Cambridge, Mass.

SECRETARY-TREASURER
MELVILLE EASTHAM
11 Windsor Street,
Cambridge, Mass.

SEATTLE SECTION

CHAIRMAN ROBERT H. MARRIOTT
715 Fourth Street,
Bremerton, Wash.

SECRETARY-TREASURER
ALEXIS A. PAYSSÉ
Hotel Burke,
Seattle, Wash.

PAST-PRESIDENTS

SOCIETY OF WIRELESS TELEGRAPH ENGINEERS
JOHN STONE STONE, 1907-8 LEE DE FOREST, 1909-10
FRITZ LOWENSTEIN, 1911-12

THE WIRELESS INSTITUTE
ROBERT H. MARRIOTT, 1909-10-11-12

THE INSTITUTE OF RADIO ENGINEERS
ROBERT H. MARRIOTT, 1912 GREENLEAF W. PICKARD, 1913
LOUIS W. AUSTIN, 1914 JOHN STONE STONE, 1915

The Membership of the Standing Committees of The Institute
for 1916 will be announced in an early issue of THE PROCEEDINGS
OF THE INSTITUTE OF RADIO ENGINEERS.

OFFICERS AND BOARD OF DIRECTION, 1915

(Terms expire January 5, 1916; except as otherwise noted.)

PRESIDENT JOHN STONE STONE	VICE-PRESIDENT GEORGE W. PIERCE	SECRETARY DAVID SARNOFF
TREASURER WARREN F. HUBLEY		
EDITOR OF PUBLICATIONS ALFRED N. GOLDSMITH		

MANAGERS (Serving till January 2, 1918.) LOUIS W. AUSTIN	JOHN HAYS HAMMOND, JR. (Serving till January 3, 1917.) ROBERT H. MARRIOTT	GUY HILL (Serving till January 5, 1916.)
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GEORGE S. DAVIS EMIL J. SIMON	ROY A. WEAGANT JOHN L. HOGAN, JR.
LLOYD ESPENSCHEID	
ADVERTISING MANAGER LOUIS G. PACENT	

WASHINGTON SECTION

(Established January, 1914)

CHAIRMAN LIEUTENANT S. C. HOOPER Navy Department, Washington, D. C.	SECRETARY-TREASURER LOUIS M. EVANS 1710 Pennsylvania Ave., N.W. Washington, D. C.
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BOSTON SECTION

(Established November, 1914)

CHAIRMAN GEORGE W. PIERCE 7 Berkeley Place, Cambridge, Mass.	SECRETARY-TREASURER MELVILLE EASTHAM 11 Windsor Street, Cambridge, Mass.
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SEATTLE SECTION

(Established February, 1915)

CHAIRMAN ROBERT H. MARRIOTT 715 Fourth Street, Bremerton, Wash.	SECRETARY-TREASURER ALEXIS A. PAYSSÉ Hotel Burke, Seattle, Wash.
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STANDING COMMITTEES

1915

The 1916 Committees will be announced in an early number of
THE PROCEEDINGS OF THE INSTITUTE OF RADIO ENGINEERS.

COMMITTEE ON STANDARDIZATION

ALFRED N. GOLDSMITH, <i>Chairman</i> , College of the City of New York, New York	Washington, D. C.
LOUIS W. AUSTIN	Washington, D. C.
LOUIS COHEN	London, England
JAMES ERSKINE-MURRAY	New York
JOHN L. HOGAN, JR.	New York
GUY HILL	New York
LESTER ISRAEL, <i>Secretary</i>	Cambridge, Mass.
ARTHUR E. KENNELLY	Washington, D. C.
FREDERICK A. KOLSTER	Seattle, Wash.
ROBERT H. MARRIOTT	Boston, Mass.
GREENLEAF W. PICKARD	Cambridge, Mass.
GEORGE W. PIERCE	New York
EMIL J. SIMON	New York
CHARLES H. TAYLOR	Paris, France
C. TISSOT	Aldene, N. J.
ROY A. WEAGANT	Munich, Germany
JONATHAN ZENNECK	New York
JOHN STONE STONE, <i>ex-officio</i>	

COMMITTEE ON PUBLICITY

JOHN L. HOGAN, JR., <i>Chairman</i>	New York
GEORGE S. DAVIS	New York
ROBERT H. MARRIOTT	Seattle, Wash.
DAVID SARNOFF	New York
EMIL J. SIMON	New York
ROBERT B. WOOLVERTON	San Francisco, Cal.
JOHN STONE STONE, <i>ex-officio</i>	New York

COMMITTEE ON PAPERS

ALFRED N. GOLDSMITH, <i>Chairman</i> , College of the City of New York, New York	Washington, D. C.
LOUIS W. AUSTIN	New York
JOHN L. HOGAN, JR.	Cambridge, Mass.
ARTHUR E. KENNELLY	Seattle, Wash.
ROBERT H. MARRIOTT	San Francisco, Cal.
ROBERT B. WOOLVERTON	New York
JOHN STONE STONE, <i>ex-officio</i>	

COMMITTEE ON FINANCE

ALFRED N. GOLDSMITH, <i>Chairman</i> , College of the City of New York, New York	
GUY HILL	New York
JOHN L. HOGAN, JR.	New York
ROY A. WEAGANT	Aldene, N.J.
JOHN STONE STONE, <i>ex-officio</i>	New York

SPECIAL COMMITTEES

COMMITTEE ON SAN FRANCISCO REPRESENTATION

ROBERT B. WOOLVERTON, <i>Chairman</i>	San Francisco, Calif.
JOHN L. HOGAN, JR.	New York
ROBERT H. MARRIOTT	Seattle, Wash.
DAVID SARNOFF	New York
JOHN STONE STONE, <i>ex-officio</i>	New York

COMMITTEE ON FORMATION OF SEATTLE SECTION

ROBERT H. MARRIOTT, <i>Chairman</i>	Seattle, Wash.
FREDERICK G. SIMPSON	Seattle, Wash.
ROY A. THOMPSON	Seattle, Wash.
JOHN STONE STONE, <i>ex-officio</i>	New York

COMMITTEE ON CONSTITUTIONAL AMENDMENTS

JOHN L. HOGAN, JR., <i>Chairman</i>	New York
WARREN F. HUBLEY	Newark, N.J.
DAVID SARNOFF	New York
JOHN STONE STONE, <i>ex-officio</i>	New York

COMMITTEE ON 1915 FINANCIAL MATTERS

WARREN F. HUBLEY, <i>Chairman</i>	Newark, N.J.
JOHN L. HOGAN, JR.	New York
DAVID SARNOFF	New York
JOHN STONE STONE, <i>ex-officio</i>	New York

THE INSTITUTE OF RADIO ENGINEERS
(Inc.)

LIST OF FELLOWS

Listed Alphabetically

ALEXANDERSON, E. F. W., Consulting Engineer, General Electric Company, Schenectady, N.Y.*	A Mar. 12, 1913 M Mar. 26, 1913 F Mar. 31, 1915
AUSTIN, LOUIS W., <i>Ph.D.</i> , Head, U. S. Naval Radio Telegraphic Laboratory, Bureau of Standards, Washington, D.C.; res., 3136 Newark St., Washington, D.C.*	A Jan. 22, 1913 M Feb. 14, 1913 F Feb. 10, 1915
BRADFIELD, WILLIAM W., Manager, Marconi Wireless Telegraph Co., Marconi House, Strand; res., 40 Albert Hall Mansion, Kensington, London, England; Marconi House, Strand, London, England.*	A May 6, 1914 M May 22, 1914 F Mar. 31, 1915
BRAUN, FERDINAND, Professor of Physics, University of Strassburg; Germany; res., 677 Vanderbilt Ave., Brooklyn, N.Y.*	F July 7, 1915
CLARK, GEORGE H., Expert Radio Engineer, U. S. Navy; res., Apt. 501, Fontenay Courts, 14th and Fairmont Sts., Washington, D.C.; Radio Station, Navy Yard, Washington, D.C.*	Charter Member, S.W.T.E. M June 1, 1913 F Mar. 31, 1915
COHEN, LOUIS, Consulting Research Engineer; res., 1855 Calvert St., Washington, D.C.*	M Jan. 20, 1914 F Mar. 31, 1915
DUDDELL, WILLIAM, Consulting Engineer; res., 47 Hans Place, London, S.W., England, 56 Victoria St., Westminster, London, England.*	F June 16, 1915
DUNN, GANO President, J. G. White Engineering Corporation, 43 Exchange Place, New York City; res., 117 W. 58th St., New York City.*	F Feb. 10, 1915
EDWARDS, CHARLES P., General Superintendent, Canadian Government Radiotelegraphs, Dept. of Naval Service, Ottawa, Canada.*	M June 12, 1913 F Mar. 31, 1915
EHRET, CORNELIUS D., Patent Attorney, 2118 Land Title Bldg., Philadelphia, Pa.; res., 6911 Clearview St., Mt. Airy, Philadelphia, Pa.*	F Jan. 5, 1916†
ERSKINE-MURRAY, JAMES, Author and Consulting Engineer (Radio); res., 1 Great Winchester St., London, E.C., England.*	M June 25, 1913 F Feb. 21, 1915
FARNSWORTH, PHILIP, Patent Attorney, 119 Broadway, New York City.*	A Charter Member, W.I. M April 2, 1913 F April 14, 1915
FORBES, E. D., Expert Radio Aid, U. S. Navy, Philadelphia, Pa.; res., Newtowne Square, Pa., R. F. D. No. 3; Machinery Division, Navy Yard, Philadelphia, Pa.*	Charter Member, S.W.T.E. M Dec. 20, 1912 F Mar. 31, 1914
GOLDSCHMIDT, RUDOLPH, <i>Ph.D.</i> , Prof. Dr., Radio Engineer, Experimenter; res., Reichskanzler Platz 3, Charlottenburg, Berlin, Germany.*	M Sept. 9, 1914 F July 7, 1915
GOLDSMITH, ALFRED N., <i>Prof. Dr.</i> , Editor of <i>Proceedings</i> , Instructor in Radio Engineering, The College of the City of New York, New York, N.Y.*; res., 43 Fifth Ave., New York City.	Charter Member, W.I. M Dec. 20, 1912 F Jan. 20, 1915
HILL, GUY, Radio Engineer—in charge Radio Laboratory, U. S. Navy, Brooklyn, N.Y.; Radio Laboratory, Navy Yard, Brooklyn, N.Y.*; res., 157 Prospect Park, West, Brooklyn, N.Y.	Charter Member M Feb. 14, 1913 F May 26, 1915
HOGAN, JOHN L., Jr., Vice-President of the Institute, Chief Research Engineer, National Electric Signaling Co., 67 35th St., Brooklyn, N.Y.; res., 116 Seminole St., Neponset, West Rockaway, N.Y.*	A Charter Member, S.W.T.E. M Dec. 20, 1912 F Jan. 20, 1915

*Denotes mailing address

†As of 1915

IVES, JAMES E., Honorary Fellow in Physics, Clark University; res., 1030 Maine Street, Worcester, Mass.; Worcester, Mass.*	F June 16, 1913
KENNELLY, ARTHUR E., Ph.D., President of the Institute, Professor of Electrical Engineering, Harvard University and Massachusetts Institute of Technology, Cambridge, Mass.*; res., 1 Kennedy Road, Cambridge, Mass.	A Dec. 4, 1912 M Feb. 14, 1913
KINTNER, SAMUEL M., Receiver and General Manager, National Electric Signaling Co., 514 Farmers Bank Bldg., Pittsburgh, Pa.;* res., 1225 Beechwood Blvd., Pittsburgh, Pa.	M Sept. 3, 1913 F April 14, 1915
MARRIOTT, ROBERT H., Expert Radio Aid, U. S. Navy, Navy Yard, Bremerton, Wash.*; res., 715 4th St., Bremerton, Wash.	Charter Member, W. I. M Dec. 20, 1912 F Jan. 20, 1915
MAYER, EMIL E., Chief Engineer, Tuckerton Radio Station, Tuckerton, N. J.*	M Sept. 3, 1913 F April 21, 1915
MEISSNER, ALEXANDER, Dr. Ing., Chief Engineer, Telefunken Laboratory, Gesellschaft für Drahtlose Telegraphie, Berlin; Tempelhofer Ufer, 25 Berlin S. W., Germany; res., care of Director Hartmann, Copenhagen, Blegdamsvej 124, Denmark.*	M Aug. 12, 1914 F April 14, 1915
NORMAN, SIR HENRY, M. P., Vice-President, Wireless Society of London; res., Honeyhanger, Hindhead, Surrey, England.*	A Aug. 12, 1914 M Aug. 12, 1914 F April 14, 1915
PEDERSEN, PEDER OLUF, Professor, Royal Technical College, Copenhagen, Denmark; res., Amalievej 1, Copenhagen, Denmark.*	F Sept. 22, 1915
PICKARD, GREENLEAF W., Vice-President, Wireless Specialty Apparatus Co., Boston, Mass.; res., Amesbury, Mass.*	A Charter Member, S. W. T. E. and W. I. M Sept. 20, 1912 F Feb. 10, 1915
PIERCE, GEORGE W., Assistant Professor of Physics, Director, Cruft Laboratory, Harvard University, Cambridge, Mass.; res., 7 Berkeley Place, Cambridge, Mass.*	M June 25, 1913 F Feb. 10, 1915
POULSEN, VALDEMAR, Prof., Inventor; res., St. Blichersvej 22, F, Copenhagen, Denmark.*	F Sept. 22, 1915
PUPIN, MICHAEL L., Professor of Electro-Mechanics, Columbia University, New York City*; res., 1 W. 72nd St., New York City.	F Feb. 10, 1915
ROBISON, SAMUEL S., Naval Officer, Navy Department, Bureau of Steam Engineering, Washington, D. C.; U. S. S. "South Carolina," care of Postmaster, New York City.*	A Oct. 11, 1914 M Oct. 28, 1914 F April 11, 1915
SEIBT, GEORGE, Ph.D., Radio Engineer and Inventor; res., Hauptstrasse 9, Berlin (Schoenberg), Germany.*	M Nov. 26, 1913 F April 14, 1915
SIMON, EMIL J., Radio Engineer and Contractor, 50 Church St., New York City; res., 414 W. 120th St., New York City.*	Charter Member, I. W. M Dec. 20, 1912 F Jan. 20, 1915
SIMPSON, FREDERICK G., General Manager and Chief Engineer, Kilbourne-Clark Mfg. Co., 71 Columbia St., Seattle, Wash.; res., 3313 Bella Vista Ave., Mt. Baker Park, Seattle, Wash.*	M Aug. 7, 1913 F Feb. 10, 1915
STONE, JOHN STONE, Inventor and Consulting Electrical and Radio Engineer; res., National Arts Club, 14 Gramercy Park, New York City.*	A Charter Member, S. W. T. E. M Feb. 14, 1913 F Feb. 10, 1915
SWINTON, A. A. CAMPBELL, Consulting Engineer and President, Wireless Society of London; res., 66 Victoria St., London, S. W., England.*	M Aug. 12, 1914 F April 14, 1915
TAYLOR, CHARLES H., Assistant Chief Engineer, Marconi Wireless Telegraph Co., 233 Broadway, New York City.*	M Nov. 5, 1913 F April 14, 1915
WEAGANT, ROY A., Chief Engineer, Marconi Wireless Telegraph Co., 233 Broadway, New York City; res., 211 E. Third Ave., Roselle, N. J.*	Charter Member, W. I. M Feb. 14, 1913 F Mar. 31, 1915
WILDMAN, LEONARD D., Major, Signal Corps, U. S. Army, War Department, Washington, D. C.; Signal Corps, U. S. A., Fort Leavenworth, Kans.*	A April 8, 1914 M May 22, 1914 F June 10, 1915
WOOLVERTON, ROBERT B., Radio Inspector, U. S. Government, Department of Commerce; 526 Custom House, San Francisco, Cal.; res., 727 San Mateo Drive, San Mateo, Cal.*	A June 4, 1913 F April 21, 1915 M Sept. 3, 1913
ZENNECK, JONATHAN, Professor of Experimental Physics, Technische Hochschule, Munich, Germany; care of Dr. K. S. Frank, 90 West St., New York City.*	M July 24, 1913 F April 14, 1915

*Denotes mailing address

LIST OF MEMBERS

Listed Alphabetically

ANDREWS, EDMUND R., Lieutenant, U. S. Army, Army Signal School, Ft. Leavenworth, Kans.; res., 13th U. S. Infantry, Ft. William McKinley, P. I.*	A April 8, 1914 M May 2, 1914
APPLEBY, THOMAS, President, Radio Apparatus Co. of America, Parkway Bldg., Philadelphia, Pa.*; res., 5817 Ellsworth, Philadelphia, Pa.	A Sept. 3, 1913 M April 14, 1915
BEAKES, WILLIAM E., Chief Engineer, Tropical Radio Telegraph Co., 321 St. Charles St., New Orleans, La.; res., 330 South Clark St., New Orleans, La.*	A May 6, 1914 M June 17, 1914
BEHR, FRANCIS J., Captain, Coast Artillery Corps, U. S. A., Ft. Monroe, Va.*	A Jan. 22, 1913 M Dec. 3, 1913
BINYON, BASIL, Lieutenant, R. N. J. R., R. N. Flying School, Eastchurch, England; Eastchurch, England.*	A Sept. 9, 1914 M Sept. 9, 1914
BOEHME, H. O., Manager of Engineering and Operating Department, Atlantic Communication Co., 47 West St., New York City*; res., 151 E. 19th St., New York City.	M Jan. 20, 1915
BUCHER, E. E., Instructing Engineer, Marconi Wireless Telegraph Co., 37 Duane St., New York City.*	M Sept. 3, 1913
BULLARD, CAPT. W. H. G., Naval Officer, U. S. Navy; res., The Woodward Apt., Connecticut Ave., Washington, D. C.; Radio, Va.*	M Oct. 15, 1913
CABOT, SEWALL, Electrical Engineer, Electric Conversion Co., Boston, Mass.; res., 232 High Street, Brookline, Mass.*	A Charter Member, S. W. T. E. M May 22, 1914
CAMPBELL, HOWARD E., Associate Engineer, Marconi Wireless Telegraph Co., Bolinas, Cal.*	A Jan. 21, 1914 M July 28, 1914 M June 16, 1915
CANN, JOHN O. G., Chief Assistant Engineer, Marconi Wireless Telegraph Co. of Canada; res., Hazelmere, Harrow Rd., Brislington Bristol, Eng.; Glace Bay, Nova Scotia, Canada.*	M Sept. 30, 1914 M Dec. 30, 1914
CASWALL, HERBERT, Wireless Engineer, Marconi Wireless Telegraph Co., Ltd.; res., 2600 Park Ave., Montreal, Canada; Marconi House, Strand, London, England.*	A June 4, 1913 M Feb. 18, 1914
CHEETHAM, HENRY R., Operator of Boston Station, Marconi Wireless Telegraph Co. of America, Boston Mass.; res., St. Avon St., Somerville, Mass.*	Charter Member, S. W. T. E. M April 2, 1913
CLARK, THOS. E., Consulting and Electrical Engineer; 193-195 Cass Ave., Detroit, Mich.*	M May 26, 1915
CLIFTON, E. STANLEY YATES, Engineer-in-Charge, Glace Bay and Louisburg Trans-Atlantic Stations, Marconi Wireless Telegraph Co. of Canada, Glace Bay, N. S., Canada; care of Marconi Trans-Atlantic Station, Glace Bay, N. S., Canada.*	M Dec. 15, 1915
COFFIN, JOSEPH GEORGE, Assistant Professor of Physics, College of the City of New York; res., 382 Wadsworth Ave., New York City.*	A Charter Member, W. I.
COLE, A. B., Sales Manager, de Forest Radio Telegraph & Telephone Co., 101 Park Ave., New York City; res., 86 Westville Ave., Caldwell, N. J.*	M June 16, 1915
COLE, WILLIAM BEALE, Engineer, Marconi Wireless Telegraph Co., Marconi House, Strand, London.*	A July 1, 1914 M Oct. 14, 1914
CRAM, ERNEST R., Radio Expert, Signal Corps, War Department, Bureau of Standards, Washington, D. C.*	A Charter Member, S. W. T. E. M Feb. 14, 1915
CULVER, CLARENCE C., First Lieutenant, U. S. A., Signal Corps Aviation School, San Diego, Cal., care of War Department, Washington, D. C.*	A April 8, 1914 M April 8, 1915

*Denotes mailing address

CURTIS, AUSTEN M., Engineer, Western Electric Co., 463 West St., New York City; res., 1297 St. John's Place, Brooklyn, N. Y.*	A Nov. 1, 1912 M July 10, 1912	M Jan. 5, 1916
CUTTING, FULTON, Radio Engineer, 295 Beacon St., Boston, Mass.*; res., Tuxedo Park, N. Y.	M Nov. 17, 1912	
DAVIS, GEORGE S., General Superintendent, Tropical Radio Telegraph Co., United Fruit Company—Wireless Department, 17 Battery Place, New York City; res., 676 Riverside Drive, New York City; 17 Battery Place, Room 1643, New York City.*	Charter Member, S.W.T.E. M Feb. 14, 1912	M Mar. 10, 1915
DAY, MAXWELL W., Engineer, Marine Department, General Electric Co., Schenectady, N. Y.; res., 26 Rugby Road, Schenectady, N. Y.*	A May 6, 1912 M May 22, 1912	A April 1, 1914 M May 22, 1914
DE FOREST LEE, Ph.D., Inventor and Scientific Director, de Forest Radio Telegraph & Telephone Co., 1391 Sedgwick Ave.; res., Spuyten Duyvil, N. Y.*	Charter Member, S.W.T.E. M Oct. 14, 1912	A July 16, 1913 M Oct. 14, 1914
DITCHAM, WILLIAM THEODORE, Research Engineer, Marconi Wireless Telegraph Co., Ltd., Marconi Works, Chelmsford, England; res., Kildary, Lebanon Park, Twickenham, England.*	M June 3, 1912	A Nov. 11, 1913 M Dec. 16, 1914
DOLBEAR, BENJ. L., Telephone Engineer, New England Telephone & Telegraph Co., Boston, Mass.; res., 14 Wyman St., Arlington, Mass.*	A Jan. 7, 1912 M Jan. 20, 1912	A June 3, 1912 M Feb. 14, 1913
DUSHMAN, SAUL, Research Laboratory, General Electric Co., Schenectady, N. Y.*; res., 1 Huston St., Scotia, N. Y.	M Dec. 15, 1912	Charter Member, S.W.T.E. M Feb. 14, 1913
EASTHAM, MELVILLE, Superintendent, General Radio Co., 11 Windsor St., Cambridge, Mass.*	A Jan. 22, 1912 M Feb. 13, 1912	A May 14, 1915 M May 26, 1915
EDWARDS, JOHN RICHARD, President, Board of Shore Stations, Navy Department, Washington, D. C.; Rear Admiral, U. S. N. Navy Department, Washington, D. C.*	A April 1, 1912 M April 1, 1912	A Nov. 4, 1912 M June 12, 1913
ELWELL, CYRIL F., Radio Engineer, Cleve Hall, Denmark Hill, London, S. E., England; res., 85 Kings Hall Road, Beckenham, Kent, England.*	A May 28, 1912 M May 28, 1912	A Nov. 4, 1912 M Jan. 20, 1915
ESPENSCHEID, LLOYD, Engineer, American Telegraph & Telephone Co., 15 Dey St., New York City.*	Charter Member, S.W.T.E. M May 28, 1912	A June 3, 1912 M Mar. 10, 1915
EWEN, HARRY A., Chief Drawing and Design Department, Marconi Wireless Telegraph Co., Ltd., Marconi House, Strand, London, England; res., Braeside, Priest Lane, Shenfield, Essex, England.*	M May 22, 1912	A June 3, 1912 M Mar. 10, 1915
FISK, ERNEST THOMAS, Technical and General Manager, Amalgamated Wireless, (Australasia, Ltd.), Wireless House, 97 Clarence St., Sydney, N. S. W.; res., Athenaeum Club, Sydney, N. S. W., Australia; Marconi House, Strand, London, W. C., England.*	M Dec. 15, 1912	A June 3, 1912 M Mar. 10, 1915
FRANK, KARL GEORG, Secretary and Treasurer, Atlantic Communication Co.; Atlantic Communication Co., 90 West St., New York City.*	M Aug. 11, 1912	A June 3, 1912 M Mar. 10, 1915
FULLER, LEONARD F., Chief Electrical Engineer, Federal Telegraph Co., San Francisco, Cal.; res., 465 University Ave., Palo Alto, Cal.*	A May 6, 1912 M May 22, 1912	A June 3, 1912 M Mar. 10, 1915
GINMAN, ALBERT HARRY, General Superintendent, Marconi Wireless Telegraph Co., 414 Merchants Exchange Building, San Francisco, Cal.; res., 728 Costa Rica Ave., Burlingame, Cal.	A June 16, 1912 M June 16, 1912	A June 3, 1912 M Mar. 10, 1915
GREAVES, V. FORD, Radio Engineer, Department of Commerce, Bureau of Navigation, Washington, D. C.*; res., 3733 Jocelyn St., Washington, D. C.	Charter Member, S.W.T.E. M Dec. 20, 1912	A June 3, 1912 M Mar. 10, 1915
HALLBORG, H. E., Radio Expert Aide, U. S. Navy Yard, Norfolk, Va.; P. O. Box 798, Norfolk, Va.*	A June 3, 1912 M May 22, 1912	A June 25, 1913 M June 25, 1913
HAMMOND, JOHN HAYS, Jr., Investigator, Hammond Radio Research Laboratory, Gloucester, Mass.*; res., New York City.	A June 3, 1912 M Mar. 24, 1912	A June 25, 1913 M June 25, 1913
HANSCOM, W. W., Consulting Engineer; res., 848 Clayton St., San Francisco, Cal.*	A Nov. 1, 1912 M Feb. 18, 1912	A Charter Member, S.W.T.E. M Feb. 14, 1915
HEWITT, PETER COOPER, Inventor and Scientist, Madison Square Garden Tower, 26th St., New York City.*	A June 17, 1912 M June 17, 1912	A July 1, 1914 M July 1, 1914
HINNERS, FRANK ALBIN, Engineer, Wireless Specialty Apparatus Co., 160 Duane St., New York City*; res., 187 West 135th St., New York City.	A Charter Member. M Dec. 15, 1912	A Feb. 14, 1913 M June 16, 1915
HOGG, COMM.W. S., Retired Naval Officer, U. S. Navy; res., 2812 Cathedral Ave., Washington, D. C.*	Charter Member, S.W.T.E. M Feb. 18, 1912	A April 1, 1914 M May 22, 1914
HOOPER, LIEUT. S. C., Fleet Radio Officer, U. S. Navy, Flagship "Wyoming"; U. S. Navy Department, Washington, D. C.*	A June 4, 1912 M June 16, 1912	A Nov. 4, 1912 M Dec. 15, 1914

*Denotes mailing address

PANNILL, CHAS. J., Commercial Traffic Superintendent, U. S. Naval Radio Service, Radio, Va.; res., 2812 Connecticut Ave., Washington, D. C.	M June 25, 1913	TAYLOR, ALBERT HOYT, Professor of Physics, University of North Dakota, Grand Forks, N. D.; res., Grand Forks, N. D.	M Mar. 10, 1916
PARKHURST, A. F., Division Superintendent, Tropical Radio Telegraph Co., New Orleans, La.; res., 4722 Arts St., New Orleans, La.*	Charter Member W.L. M Feb. 14, 1912	TAYLOR, JOHN DINGLE, Assistant Engineer, British Columbia Radiotelegraph Service of Canada; res., 928 Old Esquimalt Road, Esquimalt, B. C., Canada; British Columbia Radiotelegraphic Office, Old Post Office Building, Victoria, B. C., Canada.*	M Oct. 13, 1915
PEEBLES, LEIGHTON HARTWELL, Construction Supervisor, J. G. White Construction Co., 43 Exchange Place, New York City; res., 136 West 73rd St., New York City.	M Mar. 24, 1915	THOMPSON, ROY E., General Sales Manager, Kilbourne-Clark Manufacturing Co., 71 Columbia St., Seattle, Wash.; res., Assembly Hotel, Seattle, Wash.	A June 3, 1912 M Dec. 3, 1913
PROCTOR, JOHN A., Designing Engineer (Radio), Wireless Specialty Apparatus Co., 216 High St., Boston, Mass.*	A Feb. 14, 1913 M April 2, 1913	TOKIKATA, WICHI, Chief Electrician Wireless Section, Imperial Japanese Electro-Technical Laboratory, 4984 Oi-Machi, Tokyo, Japan.*	A Dec. 3, 1913 M Dec. 3, 1913
PUMPHREY, WALTER H., Counsellor at Law, 61 Broadway, New York City.*	A Aug. 12, 1913 M April 21, 1915	UYEDA, YOSHITAKE, Lieutenant Commander, Japanese Navy; res., 1339 Navy, Arai-ji, Omori, Tokyo, Japan.*	M July 7, 1915
REBER, SAMUEL, Colonel, Signal Officer, U. S. Army, War Department, Washington, D. C.*	A Charter Member, S.W.T.L. M June 16, 1913 M Feb. 10, 1914	VANSIZE, WILLIAM BALDWIN, Patent Expert and Attorney, Manhattan Wireless Telegraph Co. of America, New York City; res., 181 Woodruff Ave., Brooklyn, N. Y.*	A April 22, 1914 M July 7, 1915
REINHARD, CYRIL DeWITTE, Radio Engineer, care of House-Grossman & Vorheausen, 115 Broadway, New York City.*	A Jan. 7, 1913 M Jan. 7, 1913	WALTON, CAPT. JOHN Q., In charge Radio Apparatus, Treasury Department, U. S. Coast Guard, Washington, D. C.*	A Jan. 22, 1913 M April 2, 1913
REOCH, ALEX. E., Chief Engineer and Secretary-Treasurer, Canadian Marconi Co., Montreal, Canada; res., 4810 Western Ave., Westmount, Montreal, Canada.*	A May 22, 1913 M Jan. 20, 1915	WATERMAN, FRANK N., Mechanical and Electrical Engineer; res., 25 Norwood Ave., Summit, N. J.; 100 Broadway, New York City.*	A Dec. 3, 1912 M June 16, 1915
RICE, A. R., Radio Inspector, Department of Commerce, Custom House, New Orleans, La.*	M Sept. 8, 1915	WEBSTER, A. G., Prof., Department of Physics, Clark University, Worcester, Mass.*	M May 22, 1914
RICE, REGINALD K., Construction Engineer, Marconi Wireless Telegraph Co., Ltd., Marconi House, Strand, London, England; res., The Nutshell, Cheam Road, Sutton, Surrey, England; Naval Station, Seychelles, Indian Ocean.*	M Aug. 11, 1915	WEISH, JOSEPH H., Electrical Draftsman, U. S. Navy, Machinery Division, Brooklyn, N. Y.; res., 153 West 83rd St., New York City.*	M June 16, 1915
RICKARD, CHARLES ERNEST, Inspector of Wireless Telegraphy, Chilian Navy; res., 5 Baldwin Gardens, Acton, London, England; Casilla 813, Valparaiso, Chile, South America.*	A Oct. 15, 1913 M Oct. 15, 1914	WOLF, BENJ., Radio Inspector, U. S. Government; res., Assembly Hotel, Seattle, Wash.; Federal Building, Seattle, Wash.*	A Oct. 15, 1913 M Jan. 20, 1915
ROBINSON, EDWIN ERNEST, Engineer-in-Charge, Marconi Wireless Telegraph Co. of Canada, Montreal, Canada; res., 2260 Waverly St., Montreal, Canada.*	M July 7, 1915	WOODLAND, WILLIAM C., Manager, Transformer Department, Packard Electric Co., Warren, O.; res., 625 Mahoning Ave., Warren, O.*	M May 26, 1915
ROOS, OSCAR C., Consulting Engineer, U. S. Insular Bureau, Philippine Islands.*	A Charter Member, S.W.T.L. M April 2, 1913	*Denotes mailing address	
RUSH, W. A., Chief Inspector, Radio Telegraph Service of the Canadian Government, Ottawa, Canada; res., 92 First Ave., Ottawa, Canada.*	A Dec. 4, 1912 M Nov. 11, 1913		
RYAN, HARRIS JR., Professor Electrical Engineering, Leland Stanford Jr., University, Stanford University, Cal.; res., P. O. Stanford University, Cal.*	A Oct. 15, 1913 M Oct. 15, 1914		
SARNOFF, DAVID, Secretary of the Institute, Assistant Traffic Manager and Contract Manager, Marconi Wireless Telegraph Co., 233 Broadway, New York City*; res., 2063 Mapes Ave., Bronx, New York City.	M Sept. 9, 1913		
SHOEMAKER, HARRY, Research Engineer, Marconi Wireless Telegraph Co., Aldene, N. J.*	M Sept. 9, 1913		
SLOAN, A. KELLOGG, Electrical and Mechanical Engineer, Sloan Engineering Co., 210 Hall St., Brooklyn, N. Y.; res., 275 Washington Ave., Brooklyn, N. Y.*	M Aug. 7, 1913 M Oct. 15, 1913		
SØRENSEN, AAGE S. M., Research Engineer, Goldschmidt Hochfrequenz Maschine, Gesell., Germany; res., Marien Str. 12, Lichterfelde, Berlin, Germany.*	M June 16, 1915		
SPAIN, H. Q., Electrical Engineer, Government of British Guiana, General Post Office, Georgetown, British Guiana.*	M June 16, 1915		
STEIN, ADAM, Jr., Commercial Engineer, Southwestern Bell Telephone System, St. Louis, Mo.; res., 52 Glen Road, Webster Groves, Mo.; care Southwestern Bell Telephone System, 611 Locust St., St. Louis, Mo.*	M June 16, 1915		
STEINBERGER, LOUIS, Inventor, President and General Manager, Electrose Manufacturing Co., Brooklyn, N. Y.; res., 390 Sterling Place, Brooklyn, N. Y.*	M April 8, 1914		
STEPHENSON, LEONARD W., Engineer, British Columbia Radiotelegraph Service, Canada; res., 928 Old Esquimalt Road, Victoria, B. C., Canada; Room 1, Old Post Office Block, Victoria, B. C., Canada.*	M Oct. 15, 1913		
SWEET, CMDR. GEO. C., Radio Officer, Navy Yard, Mare Island, Cal.*			

*Denotes mailing address

LIST OF ASSOCIATES

Listed Alphabetically

ABBEY, HAROLD, Radio Operator, Kilbourne & Clark Manufacturing Co., Seattle, Wash.*; res., Eugene, Ore.; R. No. 1.	A Oct. 13, 1914
ABBOTT, E. G., Captain, Signal Corps, U. S. Army; 39 Whitehall St., New York City.*	A Oct. 15, 1914
ABBOTT, RAYMOND B., Instructor in Physics, University of California, Room 205, South Hall; res., 1803 Cedar St., Berkeley, Calif.; Room 205, South Hall, University of California, Berkeley, Calif.*	A July 1, 1914
ADAMS, RALPH E., Wireless Operator, Harbor Department, City of Seattle, Seattle, Wash.; res., 1162 Thomas St., Seattle, Wash.; Port Wardens Office, Pier No. 1, Seattle, Wash.*	A Sept. 22, 1914
AGNER, CHESTER M., Radio Experimenter; res., 1015 1st, Sacramento, Cal.*	A Aug. 12, 1914
ALBERT, WILLIAM V., Electrician, (Radio); res., 422 S. 6th St., Reading, Pa.	A Feb. 24, 1914
ALLISON, WILLIAM H., Clerk, New England Telephone & Telegraph Co., Worcester, Mass.; res., 37 Plantation St., Worcester, Mass.*	A June 3, 1914
ANDERSON, LLOYD C., Inspector, Automatic Fire Alarm Co.; res., 138 E. 38th St., New York City.*	A July 8, 1914
ANDREWS, CLYDE BYRON, Branch Manager, Postal Telegraph Cable Co., Santa Barbara, Cal.; res., Hotel Potter, Santa Barbara, Cal.*	A Oct. 13, 1914
ANSELMI, SILVIO CALVIN, Engineer, Marconi Wireless Telegraph Co., Ltd., Marconi House, Strand, London, England*; res., Ashleigh, Broad Road, Sale, Cheshire, England.	A Dec. 15, 1914
ANSTETT, CHARLES EATON, Third Lieutenant, U. S. Coast Guard, U. S. Navy; res., Arundel Cove, Md.*	A Sept. 8, 1914
ANTHES, WILLIAM FREDERICK, Jr., Telegrapher, Western Union; res., San Jose, Cal.; Y. M. C. A.*	A Oct. 13, 1914
APGAR, CHAS. E., Haynes Auto Co., New York City; res., Westfield, N. J.*	A April 2, 1914
APPLEGATE, D. V., Inspector, Marconi Wireless Telegraph Co., 55 Duane St., New York City; res., 2181 Bedford Ave., Brooklyn, N. Y.	A Jan. 7, 1914
ARMOR, J. C., Transformer, Engineering Department, General Electric Co., Pittsfield, Mass.; res., 97 Lenox Ave., Pittsfield, Mass.*	A Charter Member SWTE
ARMSTRONG, EDWIN H., Research Assistant, Professor M. I. Pupin, Columbia University; res., 1032 Warburton Ave., Yonkers, N. Y.; care of Professor Pupin, Columbia University, New York City.*	A Oct. 28, 1914
ARMSTRONG, ROY E., Manager, Marconi Wireless Telegraph Co., Port Arthur, Tex.*; res., 30 Wilmore St., Mattapan, Mass.	A Oct. 14, 1914
ARNEY, C. BURDETTE, Chief Electrician, (Radio), U. S. Navy; res., 912 8th St., S. E., Washington, D. C.; U. S. S. "New Hampshire"; care of Postmaster, New York.	A Feb. 10, 1914
ARPS, MERVIN W., Chief Electrician, (Radio) U. S. Navy; res., 620 Sacramento St., Vallejo, Cal.; Navy Yard, Mare Island, Vallejo, Cal.*	A Dec. 16, 1914
ASHTON, JOHN O., Electrical Salesman, Usona Manufacturing Co., 1 Hudson St., New York City*; res., 7 Haleyon Place, Yonkers, N. Y.	A Sept. 3, 1914
AUSTIN, CHARLES L., Manufacturer; res., 651 E. Salmon St., Portland, Ore.*	A July 7, 1914
AYLSWORTH, HOWARD G., Electrical Supplies; res., 1953 Lyon St., San Francisco, Cal.; 149 New Montgomery St., San Francisco, Cal.*	A Dec. 3, 1914
BAIRD, EDW. A., Manager, Western Union Telegraph Co., 249 5th Ave., Pittsburgh, Pa.; res., 407 Oakland Ave., Pittsburgh, Pa.*	A Feb. 10, 1914
BAKER, JESS E., Compositor, H. S. Crocker Co., San Francisco, Calif.; res., 2913 Lorina St., Berkeley, Calif.*	A Sept. 9, 1914
BALDWIN, JOHN G., Experimenter; res., Hope, N. D.*	A Dec. 15, 1914
BARD, NATHAN W., Jr., Radio Operator, Marconi Wireless Telegraph Co.; res., 11 Washington Ave., Irvington, N. J.*	A Aug. 26, 1914
BARKER, HENRY W., Construction Department, Marconi Co., 502 Maritime Bldg.; res., 4435 Sunset Place, Seattle, Wash.*	A Sept. 8, 1914
BARKLEY, WILLIAM J., Assistant General Manager, Wireless Specialty Apparatus Co., 120 State St., Boston, Mass.*	A June 12, 1914
BARNES, IRVING T., Radio Operator, Marconi Wireless Telegraph Co.; res., 377 Main St., Waltham, Mass.*	A July 8, 1914
BARRETT, HOWARD A., Instructor, Barrett's School of Telegraphy; res., 43 E. 152nd St., New York City.*	A April 15, 1914
BARRETT, JOHN H., Superintendent, Barrett Wireless School; res., 6 Lafayette Place, Greenwich, Conn.*	A July 1, 1914
BARSBY, WILLIAM HENRY, Wireless Operator, Marconi Wireless Telegraph Co., Marshalls, Cal.*	A Dec. 15, 1914
BARSTOW, FRANK HACKETT, Chief Operator, Federal Telegraph Co., No. 7 Board of Trade, Portland, Ore.; res., Box 83, Lents, Ore.*	A July 7, 1914
BARTH, JULIAN, Assistant Research Engineer, Marconi Wireless Telegraph Co., Roselle Park, N. J.; res., 538 W. 124th St., New York City.*	A Feb. 14, 1914
BATCHELLER, ARTHUR, Electrical Engineer and Instructing Engineer, Boston School of Telegraphy, 18 Boylston St., Boston Mass.; res., Wellesley Park, Wellesley, Mass.*	A Aug. 26, 1914
BAUM, WILLIAM A., Manager, Hygiene Department, Life Extension Institute, 25 W. 45th St., New York City; res., 230 Greenwood Ave., Richmond Hill, L. I., N. Y.*	A Jan. 27, 1914
BAXTER, ARTHUR W., Manager, East San Pedro Station, Marconi Wireless Telegraph Co.; res., East San Pedro Cal.; care of Marconi Station, Box 60, East San Pedro, Cal.*	A Jan. 20, 1914
BAXTER, GEORGE E., Station Manager, Marconi Wireless Telegraph Co.; res., Marshall, Marin Co., Cal.; Marconi Wireless Telegraph Co., Marshall, Marin Co., Cal.*	A July 7, 1914
BAXTER, OTHEL, Letter Carrier, U. S. Post Office, 160 W. 8th St.; res., 60 W. 57th St., New York City.*	A July 28, 1914
BEAL, RALPH RAYMOND, Electrical Engineer, Federal Telegraph Co., San Francisco, Cal.; res., 412 Tasso St., Palo Alto, Cal.*	A May 26, 1914
BEAM, VICTOR S., Consulting Engineer; res., 55 John St., New York City.*	A Feb. 4, 1914
BLHM, LUDWIG FREDERICK, Testman's Assistant, Chesapeake & Potomac Telephone Co., Baltimore, Md.; res., 1519 Poplar Grove St., Walbrook, Baltimore, Md.*	A Dec. 15, 1914
BLHR, HARRY, Radio Operator and Experimenter, American Hawaiian Steamship Co.; res., 1009 Willow Ave., Hoboken, N. J.*	A Oct. 14, 1914
BENEDICT, PAUL M., Chief Engineer, The Barnes & Robert Manufacturing Co., Milldale, Conn.; res., 208 St. Ronan St., New Haven, Conn.	A Oct. 28, 1914
BENNING, B. S., Engineer, Marconi Wireless Telegraph Co., Ltd.; res., Marconi House, Strand, London, W. C., England.*	A June 3, 1914
BEREL, MILTON, Director, New York School of Telegraphy; res., 1116 Hoe Ave., Bronx, New York City.*	A July 1, 1914
BERGMAN, LESTER J., Radio Operator, Tropical Radio Telegraph Co., 17 Battery Place, New York City*; res., 3612 Tyson St., Tacony, Philadelphia, Pa.	A Aug. 12, 1914
BERKEY, RUSSELL STANLEY, Midshipman, U. S. Navy, U. S. Naval Academy; res., Box 266, Goshen, Ind.; Bancroft Hall, U. S. Naval Academy, Annapolis, Md.*	A Sept. 8, 1914
BESLEY, STEPHEN H., Professor of Physical Science, Granite High School; res., 171 E. 7th South St., Salt Lake City, Utah.*	A Dec. 15, 1914
BEVERAGE, HAROLD HENRY, Testman, General Electric Co., Schenectady, N. Y.; res., 23 N. Henry St., Schenectady, N. Y.*	A Mar. 31, 1914
BICAK, EDW. THOS., Radio Telegrapher, Marconi Telegraph Co., New York City; res., 357 E. 72nd St., New York City.	A April 22, 1914
BIGELMAN, HARRY C., Jr., Chief Electrician (Radio), U. S. Navy; res., 139 Springfield Ave., Rutherford, N. J.; Box 314, Key West, Fla.*	A Jan. 13, 1914

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LIST OF ASSOCIATES

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ABBEY, HAROLD, Radio Operator, Kilbourne & Clark Manufacturing Co., Seattle, Wash.*; res., Eugene, Ore., R. No. 1. A Oct. 13, 1915
 ABBOTT, E. G., Captain, Signal Corps, U. S. Army; 39 Whitehall St., New York City.* A Oct. 15, 1913
 ABBOTT, RAYMOND B., Instructor in Physics, University of California, Room 205, South Hall; res., 1803 Cedar St., Berkeley, Cal.* A July 1, 1914
 ADAMS, RALPH E., Wireless Operator, Harbor Department, City of Seattle, Seattle, Wash.; res., 1102 Thomas St., Seattle, Wash.; Port Wardens Office, Pier No. 1, Seattle, Wash.* A Sept. 22, 1915
 AGNER, CHESTER M., Radio Experimenter; res., 1015 1st St., Sacramento, Cal.* A Aug. 12, 1914
 ALBERT, WILLIAM V., Electrician, (Radio,) res., 4228 8th St., Reading, Pa. A Feb. 24, 1915
 ALLISON, WILLIAM H., Clerk, New England Telephone & Telegraph Co., Worcester, Mass.; res., 37 Plantation St., Worcester, Mass.* A June 3, 1914
 ANDERSON, LLOYD C., Inspector, Automatic Fire Alarm Co.; res., 138 E. 38th St., New York City.* A Oct. 13, 1915
 ANDREWS, CLYDE BYRON, Branch Manager, Postal Telegraph Cable Co., Santa Barbara, Cal.; res., Hotel Potter, Santa Barbara, Cal.* A Dec. 15, 1915
 ANSELMI, SILVIO CALVIN, Engineer, Marconi Wireless Telegraph Co., Ltd., Marconi House, Strand, London, England*; res., Ashleigh, Broad Road, Sale, Cheshire, England. A Sept. 8, 1915
 ANSTETT, CHARLES EATON, Third Lieutenant, U. S. Coast Guard, U. S. Navy; res., Arundel Cove, Md.* A Oct. 13, 1915
 ANTHES, WILLIAM FREDERICK, Jr., Telegrapher, Western Union; res., San Jose, Cal., Y. M. C. A.* A April 2, 1913
 APGAR, CHAS. E., Haynes Auto Co., New York City; res., Westfield, N. J.* A Jan. 7, 1914
 APPLEGATE, D. V., Inspector, Marconi Wireless Telegraph Co., 55 Duane St., New York City; res., 2181 Bedford Ave., Brooklyn, N. Y. A Charter Member S.W.T.E.
 ARMOR, J. C., Transformer, Engineering Department, General Electric Co., Pittsfield, Mass.; res., 97 Lenox Ave., Pittsfield, Mass.* A Oct. 28, 1914
 ARMSTRONG, EDWIN H., Research Assistant, Professor M. I. Pupin, Columbia University; res., 1032 Warburton Ave., Yonkers, N. Y.; care of Professor Pupin, Columbia University, New York City.* A Oct. 14, 1914
 ARMSTRONG, ROY E., Manager, Marconi Wireless Telegraph Co., Port Arthur, Tex.*; res., 30 Wilmore St., Mattapan, Mass. A Dec. 10, 1915
 ARNEY, C. BURDETTE, Chief Electrician, (Radio,) U. S. Navy; res., 912 8th St., S. E., Washington, D. C.; U. S. S. "New Hampshire," care of Postmaster, New York. A Dec. 10, 1914
 ARPS, MERVIN W., Chief Electrician, (Radio,) U. S. Navy; res., 620 Sacramento St., Vallejo, Cal.; Navy Yard, Mare Island, Vallejo, Cal.* A Sept. 3, 1913
 ASHTON, JOHN O., Electrical Salesman, Usona Manufacturing Co., 1 Hudson St., New York City*; res., 7 Halcyon Place, Yonkers, N. Y. A July 7, 1915
 AUSTIN, CHARLES L., Manufacturer; res., 651 E. Salmon St., Portland, Ore.* A Dec. 3, 1913
 AYLSWORTH, HOWARD Q., Electrical Supplies; res., 1953 Lyon St., San Francisco, Cal.* A Feb. 10, 1915
 BAIRD, EDW. A., Manager, Western Union Telegraph Co., 249 5th Ave., Pittsburgh, Pa.; res., 407 Oakland Ave., Pittsburgh, Pa.*

*Denotes mailing address

BAKER, JESS E., Compositor, H. S. Crocker Co., San Francisco, Cal.; A Sept. 9, 1914
 res., 2913 Lorine St., Berkeley, Cal.* A Dec. 15, 1915
 BALDWIN, JOHN G., Experimenter; res., Hope, N. D.* A Aug. 26, 1914
 BARD, NATHAN W., Jr., Radio Operator, Marconi Wireless Telegraph Co.; res., 11 Washington Ave., Irvington, N. J.* A Sept. 8, 1915
 BARKER, HENRY W., Construction Department, Marconi Co., 502 Maritime Bldg.; res., 4435 Sunset Place, Seattle, Wash.* A June 12, 1913
 BARKLEY, WILLIAM J., Assistant General Manager, Wireless Specialty Apparatus Co., 126 State St., Boston, Mass.* A July 8, 1914
 BARNES, IRVING T., Radio Operator, Marconi Wireless Telegraph Co.; res., 377 Main St., Waltham, Mass.* A April 15, 1914
 BARRETT, HOWARD A., Instructor, Barrett's School of Telegraphy; res., 343 E. 152nd St., New York City.* A July 1, 1914
 BARRETT, JOHN H., Superintendent, Barrett Wireless School; res., 61 Lafayette Place, Greenwich, Conn.* A July 7, 1915
 BARSBY, WILLIAM HENRY, Wireless Operator, Marconi Wireless Telegraph Co., Marshalls, Cal.* A Dec. 15, 1915
 BARSTOW, FRANK HACKETT, Chief Operator, Federal Telegraph Co., No. 7 Board of Trade, Portland, Ore.; res., Box 83, Lents, Ore.* A Feb. 14, 1913
 BARTH, JULIAN, Assistant Research Engineer, Marconi Wireless Telegraph Co., Roselle Park, N. J.; res., 538 W. 124th St., New York City.* A Aug. 26, 1914
 BATCHELLER, ARTHUR, Electrical Engineer and Instructing Engineer, Boston School of Telegraphy, 18 Boylston St., Boston Mass.; res., Wellesley Park, Wellesley, Mass.* A Jan. 27, 1915
 BAUM, WILLIAM A., Manager, Hygiene Department, Life Extension Institute, 25 W. 45th St., New York City; res., 239 Greenwood Ave., Richmond Hill, L. I., N. Y.* A Jan. 20, 1915
 BAXTER, ARTHUR W., Manager, East San Pedro Station, Marconi Wireless Telegraph Co.; res., East San Pedro Cal.; care of Marconi Station, Box 60, East San Pedro, Cal.* A July 28, 1915
 BAXTER, GEORGE E., Station Manager, Marconi Wireless Telegraph Co.; res., Marshall, Marin Co., Cal.; Marconi Wireless Telegraph Co., Marshall, Marin Co., Cal.* A May 26, 1915
 BAXTER, OTHEL, Letter Carrier, U. S. Post Office, 100 W. 83rd St.; res., 60 W. 87th St., New York City.* A Feb. 4, 1914
 BEAL, RALPH RAYMOND, Electrical Engineer, Federal Telegraph Co., San Francisco, Cal.; res., 412 Tasso St., Palo Alto, Cal.* A Dec. 15, 1915
 BEAM, VICTOR S., Consulting Engineer; res., 55 John St., New York City.* A June 3, 1912
 BEHM, LUDWIG FREDERICK, Testman's Assistant, Chesapeake & Potomac Telephone Co., Baltimore, Md.; res., 1610 Poplar Grove St., Walbrook, Baltimore, Md.* A Oct. 14, 1914
 BEHR, HARRY, Radio Operator and Experimenter, American Hawaiian Steamship Co.; res., 1000 Willow Ave., Hoboken, N. J.* A Oct. 28, 1914
 BENEDICT, PAUL M., Chief Engineer, The Barnes & Robert Manufacturing Co., Milldale, Conn.*; res., 208 St. Ronan St., New Haven, Conn. A Aug. 12, 1914
 BENNING, B. S., Engineer, Marconi Wireless Telegraph Co., Ltd.; res., Marconi House, Strand, London, W. C., England.* A July 1, 1914
 BEREL, MILTON, Director, New York School of Telegraphy; res., 1116 Hoe Ave., Bronx, New York City.* A Aug. 12, 1914
 BERGMAN, LESTER J., Radio Operator, Tropical Radio Telegraph Co., 17 Battery Place, New York City*; res., 3012 Tyson St., Tacony, Philadelphia, Pa. A Sept. 8, 1915
 BERKEY, RUSSELL STANLEY, Midshipman, U. S. Navy, U. S. Naval Academy; res., Box 266, Goshen, Ind.; Bancroft Hall, U. S. Naval Academy, Annapolis, Md.* A Dec. 15, 1915
 BESLEY, STEPHEN H., Professor of Physical Science, Granite High School; res., 171 E. 7th South St., Salt Lake City, Utah.* A Mar. 31, 1915
 BEVERAGE, HAROLD HENRY, Testman, General Electric Co., Schenectady, N. Y.; res., 23 N. Henry St., Schenectady, N. Y.* A April 22, 1914
 BICAK, EDW. THOS., Radio Telegrapher, Marconi Telegraph Co., New York City; res., 357 E. 72nd St., New York City. A Jan. 13, 1915
 BIGELMAN, HARRY C., Jr., Chief Electrician (Radio), U. S. Navy; res., 139 Springfield Ave., Rutherford, N. J.; Box 314, Key West, Fla.*

*Denotes mailing address

BIGELOW, PAUL T., Manager, Stock Department, Kilbourne & Clark Manufacturing Co.; res., 5314 8th Ave., N. E., Seattle, Wash.; Kilbourne & Clark Manufacturing Co., 71 Columbia St., Seattle, Wash.* A Sept. 22, 1915

BISSING, WILLIAM F., Attorney at Law, 2 Rector St., New York City; res., New York City. A Charter Member W.I. A July 28, 1915

BLACK, ROBERT BOYD, Chief Operator, Federal Telegraph Co., Los Angeles, Cal.; res., 519 Frederick St., San Francisco, Cal.; Federal Telegraph Co., Mercantile Place, Los Angeles, Cal.* A July 28, 1915

BLAKE, CHARLES H., Chief Operator, Federal Telegraph Co., 2225 Concord St., Los Angeles, Cal.; res., 3914 Brighton Ave., Los Angeles, Cal.* A July 1, 1914

BLANKENSHIP, CHARLES, Assistant Radio Inspector, U. S. Government; Department of Commerce, Custom House, New York, N. Y.* A July 8, 1914

BLATTERMAN, ALBERT SHELBY, Instructor in Electrical Engineering and Consulting Engineer, Washington University, St. Louis, Mo.; res., 45 Lewis Place, St. Louis, Mo.* A Sept. 8, 1915

BOUDREAU, MOSE, Electrician, Sergeant, C. C. C.; res., Fort Mills, P. I.; Fort Mills, Corregidor, P. I.* A Sept. 30, 1914

BOUTWELL, WILLARD, Service Man, Westinghouse Electric Manufacturing Co., 560 1st St., S., Seattle, Wash.; res., 814 Columbia St., Seattle, Wash.* A Jan. 5, 1916†

BOWER, CLARENCE E., Radio Electrician, Tropical Radio Telegraph Co., 321 St. Charles St., New Orleans, La.*; res., Bay Shore Blvd., Ballast Point, Tampa, Fla. A Jan. 13, 1915

BOWERS, ALBERT F., Manager, Marconi Wireless Telegraph Co., 601 American Bldg., Baltimore, Md.*; res., 402 S. Payson St., Baltimore, Md. A Aug. 26, 1914

BOYLE, CHARLES WILLIAM, Constructional Radio Engineer, Lieutenant I. R. N., Government of British Guiana, South America; res., Thorpe Hall, Thorpe, North Wakefield, Yorkshire, England; care of His Excellency, The Governor, British Guiana, South America.* A Sept. 8, 1915

BREMER, EDMUND H., Undergraduate Student, Central High School; res., 301 W. Forest Ave., Detroit, Mich.* A May 12, 1915

BRIZZOLARI, ANTHONY J., Radio Experimenter; res., 666 61st St., Brooklyn, N. Y.* A July 1, 1914

BROCKMAN, FRANCIS COMENIUS, Test Laboratory Assistant, Marconi Wireless Telegraph Co. of America, Roselle Park, N. J.; res., 3 North Main St., Nazareth, Pa.; 220 Walnut St., Roselle Park, N. J.* A Oct. 13, 1915

BROGGINI, CLAUD E., Assistant to Buyer, Montgomery Ward & Co.; res., 2005 8th Ave., New York City.* A July 28, 1915

BROMLEY, ARTHUR C., Operator, Marin Gas Engineers, Seattle, Wash.*; res., 1240 W. Thomas St., Seattle, Wash. A Oct. 13, 1915

BROOKS, WALLACE L., Assistant Engineer, Standardizing Laboratory, General Electric Co., Schenectady, N. Y.; res., 207 Parkwood Blvd., Schenectady, N. Y.* A Mar. 31, 1915

BROWN, ANDREW, Radio Operator, Alaska Steamship Co., Pier No. 2, Seattle, Wash.*; res., Seattle, Wash. A Sept. 8, 1915

BROWN, ARCHIE S., Radio Drafting, U. S. Navy, Navy Yard, Mare Island, Cal.; res., 635 Georgia St., Vallejo, Cal.* A July 1, 1914

BROWN, D. S., Jr., Student, Stevens Institute of Technology, Hoboken, N. J.; res., 200 W. 86th St., New York City. A July 24, 1913

BROWN, EDWARD H., Student, Shaw High School, Cleveland, O.; res., 2208 Harcourt Drive, Ambler Heights, Cleveland, O.* A April 22, 1914

BROWN, GEORGE, Chief Radio Electrician, U. S. Torpedo Station, Newport, R. I.; res., Newport, R. I. A Sept. 3, 1913

BROWN, ROBERT LEE, Student; res., 634 Franklin St., Napa, Cal.* A June 17, 1914

BROWN, ROLLA, Clerk, Interstate Commerce Commission, 1319 F St., N. W., Washington, D. C.*; res., 505 Rhode Island Ave., N. E., Washington, D. C. A April 1, 1914

BROWN, WALRAM S., Private Secretary, A. Pagenstecher, 30 E. 42nd St., New York City; res., 1565 E. 12th St., Brooklyn, N. Y.* A July 1, 1914

BROWNLIE, ROLAND, Laboratory Assistant, Wireless Specialty Apparatus Co., Boston, Mass.; res., 40 Teele Ave., West Somerville, Mass.* A June 12, 1913

*Denotes mailing address

†As of 1915

BRYANT, MARQUIS V., Assistant Cashier, Rockland Light & Power Co., Nyack, N. Y.; res., 6 S. Highland Ave., Nyack, N. Y.* A July 1, 1914

BUCHNER, C. R., Electrician (Radio), U. S. Navy; res., 612 44th St., Brooklyn, N. Y.; U. S. S. "New York," care of Postmaster, New York City.* A May 12, 1915

BUCKINGHAM, ELDRIDGE, Student, Harvard University, Cambridge, Mass.; res., 2760 Scott St., San Francisco, Cal.; 23B Standish Hall, Harvard University, Cambridge, Mass.* A July 8, 1914

BULLOCK, ASA C., Chief Electrician, Peoples Light & Power Co., Gallup, N. M.; res., P. O. Box 554, Hobart, Ind.* A July 1, 1914

BURNSIDE, DON G., Efficiency Department, Dodge Bros. Motor Car Co., 112 Hendrie Ave., Detroit, Mich.*; res., Point Pleasant, W. Va. A Nov. 4, 1912

BUTTS, LORENZO G., Radio Draftsman, U. S. Navy Department, Washington, D. C.; res., 1436 A St., S. E., Washington, D. C.; Radio Station, Navy Yard, Washington, D. C.* A Nov. 17, 1915

BUTTERFIELD, GEORGE W., Radio Operator, Marconi Wireless Telegraph Co., John Wanamaker Bldg., Philadelphia, Pa.*; res., 14 Birch Hill Ave., Wakefield, Mass. A Oct. 13, 1915

CADMUS, RICHARD G., Radio Inspector, Department of Commerce, Custom House, Baltimore, Md. A Jan. 22, 1913

CADWELL, EARLE M., Radio Operator, Tropical Radio Telegraph Co., Brooklyn, N. Y.; res., 6412 15th St., Brooklyn, N. Y.* A Sept. 9, 1914

CADY, WALTER G., Professor of Physics, Wesleyan University; res., 77 High St., Middletown, Conn.* A Dec. 16, 1914

CAMP, V. F., Automobile Salesman; res., Brightwaters, L. I., N. Y.; 1842 Broadway, New York City.* A July 24, 1913

CANNON, CLIFFORD H., Radio Constructing, Federal Telegraph Co., San Francisco, Cal.; res., 3047 23rd St., San Francisco, Cal.; Federal Telegraph Co., Hobart Bldg., San Francisco, Cal.* A July 7, 1915

CARDWELL, ALLEN D., Chief Engineer, American Telegraph Type-writer Co., 81 Prospect St., Brooklyn, N. Y.; res., 1120 E. 15th St., Brooklyn, N. Y.* A Oct. 14, 1914

CARLISLE, ROBERT R., Instructor, Marconi Wireless Telegraph Co., Kahuku, Oahu, T. H.*; res., Kahuku, Oahu, T. H. A July 1, 1914

CARLSON, JOHN O., Radio Operator, Alaska Steamship Co., Pier 2, Seattle, Wash.; res., 2322 12th Ave., N., Seattle, Wash.* A Sept. 8, 1915

CAROLIN, NORBERT, Electrical Assistant, U. S. Signal Service, 39 Whitehall St., New York City; res., 100 E. 34th St., Co. A, Signal Corps, N. G., New York City.* A April 1, 1914

CARR, STEPHEN C., Student, College of the City of New York; res., 18 W. 96th St., New York City.* A April 22, 1914

CARTER, MAURICE G., Radio Operator, National Electric Signaling Co.; res., 43 Auburn Ave., Somerville, Mass.; New England Steamship Co., Newport, R. I.* A Mar. 31, 1915

CARTIER, JACQUES N., Radio Engineer and Aviator, Canadian Militia, Division Signal Co., Canadian Expeditionary Co., London, England; res., Ste. Madeline, Quebec, Canada; Division Signal Co., Section I, Canadian Expeditionary Co., London, England.* A Oct. 14, 1914

CATTELL, GILBERT W., Student, University of California; res., 509 Hale St., Palo Alto, Cal.* A Sept. 9, 1911

CAUTILLI, PETER, Instructing Engineer, Don Bosco Institute, 507 S. 9th St., Philadelphia, Pa.*; res., 829 Mountain St., Philadelphia, Pa. A Nov. 17, 1911

CHADBOURNE, W. E., Expert Radio Aid, U. S. Navy, Boston, Mass.; res., 41 Newport St., Dorchester, Mass.; U. S. Navy Yard, Boston, Mass.* A Sept. 30, 1914

CHAMBERLAIN, E. T., Commissioner of Navigation, U. S. Department of Commerce, Washington, D. C. A April 15, 1911

CHAMBERLIN, JOSEPH SAXTON, Telegraph Operator, Postal Telegraph Co., San Francisco, Cal.; res., 215 Powell St., Ridgway, Pa.; 480 Pine St., San Francisco, Cal.* A Oct. 13, 1913

CHANDLER, C. DEF., Captain, U. S. Army, Fort Leavenworth, Kans.* A Sept. 30, 1914

CHANDLER, CHARLES K., Assistant Engineer, Marconi Wireless Telegraph Co., Ltd.; res., The Bungalow, Marconi Wireless Station, Poldhu, Mullion, Cornwall, England.* A July 28, 1915

*Denotes mailing address

BIGELOW, PAUL T., Manager, Standardized Laboratory, A. April 1, 1915
 Manufacturing Department, U. S. Signal Corps, 1000 15th St., N.W., Wash.
 Kilbourne & Clark Manufacturing Co., 42nd St., New York City.
 Wash.*

BISSING, WILLIAM F., Radio Operator, U.S. Navy, Boston, Mass.; res., New York City. A. July 1, 1915

BLACK, ROBERT BOYD, Chief Engineer, Electrician, U.S. Signal Corps, Los Angeles, Calif.; res., 319 E. 42nd St., New York City. A. Sept. 1, 1915
 Telegraph Co., Merriam, Kan.; res., Fort Riley, Kan.

BLAKE, CHARLES H., Chief Engineer, Electrician, U.S. Signal Corps, Los Angeles, Calif.; res., 319 E. 42nd St., New York City. A. Sept. 1, 1915
 Standard St., Los Angeles, Calif.; res., 319 E. 42nd St., New York City.

BLANKENSHIP, CHARLES A., Radio Operator, U.S. Signal Corps, 1000 15th St., N.W., Wash.*
 Department of Commerce, Bureau of Navigation, Washington, D.C.

BLATTERMAN, ALBERT SHELDY, Radio Operator, U.S. Signal Corps, Standardizing and Consulting Engineers, Washington, D.C.; res., 15 Lewis Place, New York City. A. Sept. 1, 1915

BOUDREAU, MOISE, Electrician, Signal Corps, 1000 15th St., N.W., Wash.*
 P. I. Fort Mills, Corregidor, Philippines.

BOUTWELL, WILLARD, Senior Mariner, Wireless Telegrapher, U.S. Signal Corps, Manufacturing Co., 700 1st St., S., Seattle, Wash.; res., 1205 1st Ave., Seattle, Wash.*

BOWER, CLARENCE L., Radio Operator, U.S. Signal Corps, 1000 15th St., N.W., Wash.*
 Ballast Point, Tampa, Fla.

BOWERS, ALBERT E., Manager, Marconi Wireless Telegraph Co., 901 A. Avenue American Bldg., Baltimore, Md.; res., 492 S. Pennsylvania St., Baltimore, Md.

BOYLE, CHARLES WILLIAM, Correspondent, Radio Experiment, London, Eng.; res., Tenant, 1 R. N. Government of British Guiana, South America; res., Thorpe Hall, Thorpe, North Wootton, Yorkshire, England; res., Suite of His Excellency, The Governor, British Guiana, South America.*

BREMER, EDMUND H., Undergraduate Student, Central High School, A. May 1, 1915; res., 301 W. Forest Ave., Detroit, Mich.*

BRIZZOLARI, ANTHONY J., Radio Experimentor, res., 606 61st St., A. July 1, 1915
 Brooklyn, N. Y.*

BROCKMAN, FRANCIS COMESIUS, Test Laboratory Assistant, A. Oct. 1, 1915
 Marconi Wireless Telegraph Co. of America, Roselle Park, N.J.; res., 3 North Main St., Nazareth, Pa.; 226 Walnut St., Roselle Park, N.J.*

BROGGINI, CLAUDE E., Assistant to Buyer, Montgomery Ward & Co., A. July 1, 1915; res., 2605 8th Ave., New York City.*

BROMLEY, ARTHUR C., Operator, Marin Gas Engineers, Seattle, A. Oct. 1, 1915
 Wash.; res., 1240 W. Thomas St., Seattle, Wash.

BROOKS, WALLACE L., Assistant Engineer, Standardizing Laboratory, A. Mar. 1, 1915
 General Electric Co., Schenectady, N.Y.; res., 207 Parkwood Blvd., Schenectady, N.Y.*

BROWN, ANDREW, Radio Operator, Alaska Steamship Co., Pier No. 2, A. Sept. 1, 1915
 Seattle, Wash.*; res., Seattle, Wash.

BROWN, ARCHIE S., Radio Drafting, U. S. Navy, Navy Yard, Mare Island, Calif.; res., 635 Georgia St., Vallejo, Calif.*

BROWN, D. S., Jr., Student, Stevens Institute of Technology, Hoboken, A. July 1, 1915
 N. J.; res., 200 W. 86th St., New York City.

BROWN, EDWARD H., Student, Shaw High School, Cleveland, Ohio; A. April 22, 1915
 res., 2208 Harcourt Drive, Ambler Heights, Cleveland, Ohio.*

BROWN, GEORGE, Chief Radio Electrician, U. S. Torpedo Station, A. Sept. 1, 1915
 Newport, R. I.; res., Newport, R. I.

BROWN, ROBERT LEE, Student; res., 634 Franklin St., Napa, Cal.* A. June 17, 1915

BROWN, ROLLA, Clerk, Interstate Commerce Commission, 1319 F St., N.W., Washington, D. C.*; res., 505 Rhode Island Ave., N.E., Washington, D. C.

BROWN, WALRAM S., Private Secretary, A. Pagenstecher, 30 E. 42nd St., New York City; res., 1565 E. 12th St., Brooklyn, N. Y.*

BROWNLIE, ROLAND, Laboratory Assistant, Wireless Specialty Apparatus Co., Boston, Mass.; res., 10 Teele Ave., West Somerville, Mass.*

*Denotes mailing address |As of 1915

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CARLSON, ALFRED R., Radio Operator, U.S. Signal Corps, 1000 15th St., N.W., Wash.*
 Canadian National Railways, Montreal, Que.; res., 1000 15th St., N.W., Wash.*

CARLSON, JOHN O., Radio Operator, U.S. Signal Corps, 1000 15th St., N.W., Wash.*
 222 29th Ave., New York City.

CAROLIN, NORBERT, Student, University of New York, N.Y.; res., 100 St., N.Y.; A. Sept. 1, 1915
 100 St., N.Y.

CARP, STEPHEN C., Student, Polytechnic Inst. of New York, N.Y.; A. Sept. 1, 1915
 100 St., N.Y.

CARTIER, MAURICE G., Radio Operator, National Electric Signaling Co., 117 Franklin Ave., Somerville, Mass.; New England Division, 117 Franklin Ave., Somerville, Mass.; res., 117 Franklin Ave., Somerville, Mass.

CARTIER, JACQUES S., Radio Engineer and Aviator, Canadian Expeditionary Force, London, Ontario; res., 117 Franklin Ave., Somerville, Mass.; New England Division, Canadian Expeditionary Force, London, England.*

CASILLI, GILBERT W., Student, University of California; res., 509 11th St., Palo Alto, Calif.

CATHLLI, PETER, Instructor, Engineer, Du Bois Institute, 507 19th St., Philadelphia, Pa.; res., 829 Mountain St., Philadelphia, Pa.

CATTOURNE, W. E., Expert Radio Aid, U. S. Navy, Boston, Mass.; Charter Member, S.W.T.E. Club, 41 Newport St., Dorchester, Mass.; res., 18 Navy Yard, Boston, Mass.*

CHAMBERLAIN, E. T., Commissioner of Navigation, U. S. Department of Commerce, Washington, D. C. A. April 15, 1915

CHAMBERLIN, JOSEPH SANTON, Telegraph Operator, Postal Telegraph Co., San Francisco, Cal.; res., 215 Powell St., Ridgway, San Francisco, Calif.

CHANDLER, C. DEE, Captain, U. S. Army, Fort Leavenworth, Kans.* A. Sept. 30, 1914

CHANDLER, CHARLES K., Assistant Engineer, Marconi Wireless Telegraph Co., Ltd.; res., The Bungalow, Marconi Wireless Station, Mullion, Cornwall, England.*

*Denotes mailing address

- CHAPMAN, FRANCIS W.**, Director, Technological Department, Newberry College, Newberry, S. C.; res., Newberry, S. C. A. June 3, 1913
- CHAPMAN, HARRY E.**, Printer, 284 Asylum St.; res., 320 Wethersfield Ave., Hartford, Conn.* A. June 3, 1913
- CHARLEY, HERBERT**, Wireless Operator, National Electric Signals Co.; res., 683 Brock Ave., New Bedford, Mass.* A. Nov. 17, 1913
- CHESWELL, ERNEST CONANT**, Instructor, Electrical Engineering, University of Maine, Orono, Me.; res., Orono, Me. A. Feb. 24, 1914
- CHILCOTE, LAURENCE R.**, Student, University of California, Berkeley, Calif.; res., 2619 Ashby Ave., Berkeley, Calif.* A. Aug. 12, 1914
- CHILDS, ROY**, Chief Radio Electrician, U. S. Navy; res., Newport, R. I.; A. Jan. 20, 1914
- U. S. S. "Hancock," Navy Yard, Philadelphia, Pa.*
- CHILSON, DANIEL GIPSON**, Operator Wireless, Post Station, City of Seattle; res., 2113 N. 30th St., Seattle, Wash.* A. Dec. 15, 1914
- CHORD, CALVIN ERNEST**, Radio Operator, U. S. Navy; res., Eddyville, Iowa; U. S. S. "South Dakota," Pacific Station, via San Francisco, Calif.* A. Aug. 12, 1914
- CHUBB, WILLIAM MASON**, Electrical Engineer, Marconi Wireless Telegraph Co.; res., 23 Warren Road, Framingham, Mass.; Marconi Wireless Telegraph Co.; 233 Broadway, New York City.* A. April 21, 1914
- CLARK, CHARLES ROBERT**, Naval Officer, in charge Sayville Station, Navy Department, Washington, D. C.; res., Cumberland Hotel, Plattsburgh, N. Y.; Radio Station, Sayville, L. I., N. Y.* A. July 28, 1914
- CLARK, CHARLES MARTIN**, Treasurer, The Bradstreet Co.; res., 1035 Madison Ave., New York City.* A. June 3, 1914
- CLARK, KENNETH G.**, Instructor, Y. M. C. A. Radio School; res., Y. M. C. A. Bldg., 8 Hope St., Los Angeles, Cal.* A. Dec. 15, 1914
- CLAUS, JOSEPH HENRY**, Chief Electrician, Radio, U. S. Navy; res., 109 N. 5th St., West Philadelphia, Pa.; U. S. S. "Praine," care of Postmaster, New York.* A. April 21, 1914
- CLAYTON, ROYAL S.**, Radio Operator, National Signaling Co., Brooklyn, N. Y.; Northeastern Steamship Co., New York; res., 103 W. 103rd St., New York City.* A. April 8, 1914
- CLEMENT, LEWIS MASON**, Assistant Engineer, in charge of Hawaiian High Powered Stations, Marconi Wireless Telegraph Co., Kahuku, Oahu, T. H.; res., 320 Wayne Ave., Oakland, Cal. A. June 3, 1914
- COBB, FREDERICK S.**, Chief Electrician, Radio, U. S. S. "Panther," care of Postmaster, New York; res., 118 W. 103rd St., New York City.* A. Feb. 24, 1914
- COCKADAY, LAWRENCE M.**, General Secretary, Cathedral Choir School; res., 227 Audubon Ave., New York City.* A. Dec. 30, 1913
- COFFMAN, RICHARD B.**, Officer, in charge Naval Radio Station, U. S. Navy; res., Radio, Va.; Naval Radio Service, Radio, Va.* A. Jan. 13, 1915
- COHEN, ALFRED H.**, Wireless Telephone Experimental Work; res., 1110 29th Ave., Oakland, Cal.* A. April 22, 1914
- COHEN, WALTER A.**, Audion and Instrument Tester, de Forest Radio Telegraph & Telephone Co.; 1391 Sedgwick Ave., New York City; res., 2071 Fifth Ave., New York City.* A. Mar. 31, 1915
- COHN, CHARLES**, Salesman, S. Naitoya & Co., 215-17 Greene St., New York City; res., 314 Throop Ave., Brooklyn, N. Y.* A. Aug. 7, 1915
- COLE, GEO. E.**, Radio Inspector, National Electric Signaling Co., 67 35th St., Brooklyn, N. Y.; res., 624 E. 17th St., Brooklyn, N. Y. A. Nov. 4, 1912
- COLLINS, CHARLES H., Jr.**, Newspaper Publisher; res., Bay View Hotel, Somers Point, N. J.* A. Dec. 15, 1915
- COLLINS, FRANK J.**, Carpet Designer-Experimenter, Alex. Smith & Co., Elm St., Yonkers, N. Y.; res., 22 Cedar St., Yonkers, N. Y.* A. July 28, 1915
- COLLINS, JAMES JOSEPH**, Newfoundland Superintendent, Marconi Wireless Telegraph Co. of Canada; res., Osborne House, St. Johns, Newfoundland.* A. April 15, 1914
- COLLISON, P. B.**, New York Edison Co.; res., 172 Maple St., Brooklyn, N. Y.* A. July 8, 1914
- COLPITTS, EDWIN H.**, Research Engineer, Western Electric Co., 463 West St., New York City*; res., 136 S. Munn Ave., East Orange, N. J. A. July 8, 1914
- CONLEY, CHARLES B.**, Assistant Pier Clerk, Pennsylvania Railroad, Delaware Ave. and Christian St., Philadelphia, Pa.; res., 830 N. 40th St., Philadelphia, Pa.* A. April 15, 1914
- CONNAWAY, HUGH W.**, Student, Shortridge High School; res., Corner of and Broadway, Indianapolis, Ind.* A. Sept. 30, 1914
- CONNOR, LOVINGO LEWIS**, Superintendent, Boston School of Telegraphy, 18 Boylston St., Boston, Mass.; res., 42 Burgess St., Dorchester, Mass. A. Mar. 31, 1915
- CONWAY, UREY W.**, Lieutenant, U. S. Navy, Navy Department, Washington, D. C.; res., 1308 Delaware Ave., Wilmington, Del.* A. Aug. 13, 1913
- COOPER, C. B.**, Kilbourne & Clark Manufacturing Co., Seattle, Wash.; res., 728 19th Ave., Seattle, Wash.* A. May 22, 1914
- COPLAND, HENRY DEPEW**, Radio Operator, Marconi Wireless Telegraph Co., Boston, Mass.; res., 42 Huron Ave., North Cambridge, Mass.* A. Oct. 14, 1914
- CORDES, HENRY G.**, Electrical Draftsman, U. S. Navy Yard, Puget Sound, Wash.; res., 520 5th St., Bremerton, Wash.* A. Dec. 15, 1915
- COUGHERNOUR, ALLEN J.**, Master Signal Electrician, Company A, Signal Corp., U. S. Army, Fort Leavenworth, Kan.; res., Fort Leavenworth, Kan. A. July 8, 1914
- COWPER, NORMAN CLAIR**, Practical Electrician; res., Lynbrook, L. I.* A. May 22, 1914
- CRANDALL, HERBERT LINCOLN**, Radio Operator, Marconi Wireless Telegraph Co., 57 Duane St., New York City*; res., 97 Foster St., New Haven, Conn. A. July 8, 1914
- CREASER, ISIAH**, Automatic Time Switch Electrician, Narragansett Electric Light Co., 611 Plainfield, Providence, R. I.; res., 611 Plainfield St., Providence, R. I.* A. May 6, 1914
- CRENSHAW, RUSSELL S.**, Lieutenant, U. S. Army; res., Richmond, Va.; Bureau of Navigation, Navy Department, Washington, D. C.* A. Jan. 5, 1916†
- CREQUE, H. S.**, Radio Operator; res., 418 Decatur St., Brooklyn, N. Y.* A. July 8, 1914
- CRESSY, LOUIS A.**, Electrician, Colt Patent Fire Arms Co., Hartford, Conn.; res., 101 Huntington St., Hartford, Conn.* A. May 22, 1914
- CRONIN, JEREMIAH K.**, Chief Radio Electrician, U. S. Navy; res., 512 Jefferson St., Portsmouth, Va.; U. S. Naval Radio Station, Navy Yard, Norfolk, Va.* A. Jan. 13, 1915
- CROSBY, CARLTON ROLAND**, Radio Operator, Marconi Wireless Telegraph Co., Port Arthur, Tex.; res., 213 Washington St., Brookline, Mass.* A. Nov. 17, 1915
- CROSBY, GEORGE LOCKE**, Sales Manager, Roller-Smith Co., 203 Broadway, New York City*; res., 82 Arlington Ave., East Orange, N. J. A. Dec. 30, 1915
- CURTIS, BENJAMIN FRANKLIN**, Wire Telegraph Operator, Mackay Telegraph Co., 334 Austin Ave., Port Arthur, Tex.; res., Port Arthur, Tex. A. Nov. 17, 1915
- CURTIS, CHARLES DELOS**, Superintendent, City Schools; res., 1700 N. D., Durban, N. D.* A. Oct. 13, 1915
- CURTIS, OTTO E.**, Radio Operator, Marconi Wireless Telegraph Co., Baltimore, Md.; res., 81 St. Stephen St., Boston, Mass.* A. Jan. 21, 1914
- DAGGS, JAMES N.**, Electrician Auto Department, Western Union Telegraph Co., New York City; res., 594 Tompkins Ave., Rosebank, Staten Island, N. Y.* Charter Member W. L. A. Oct. 10, 1914
- DAHL, CHESTER W.**, Clerk, Driscoll Church & Hall, 84 Union St., New Bedford, Mass.; res., 160 Grinnell St., New Bedford, Mass.* A. July 1, 1914
- DALIN, EDWIN B.**, Student, Harvard College; res., 69 Oakland Ave., Arlington Heights, Mass.; 3 Hollis Hall, Cambridge, Mass.* A. Oct. 28, 1914
- DALY, T. J. M.**, Superintendent, Gulf Compress Co., Covington, Tenn.; res., 1233 Madison Ave., Memphis, Tenn. A. May 8, 1915
- DAML, CHARLES E.**, Gunner, U. S. Navy; res., 361 Montgomery St., Brooklyn, N. Y.; Radio Laboratory, Navy Yard, Brooklyn, N. Y.* A. April 21, 1915
- DANA, HOMER J.**, Student, Electrical Engineering, Washington State College, Pullman, Wash.* A. June 17, 1914
- DANE, FRANCIS W.**, Radio Operator, Tropical Radio Telegraph Co.; res., Main St., Hamilton, Mass.* A. April 15, 1914
- DARBY, GEO. B., Jr.**, Sales Manager, Edward Darby & Sons Co., 413 N. 18th St., Philadelphia, Pa.; res., 1 Bala Ave., Bala, Pa.* A. Nov. 17, 1915
- DARLINGTON, EDGAR T.**, Radio Operator, Marconi Wireless Telegraph Co., Wanamaker Station, Philadelphia, Pa.; res., 25 S. 45th St., Philadelphia, Pa.* A. Aug. 26, 1914

* Denotes mailing address

†As of 1915

- DAVIDSON, HARRY RUSSELL, Operator, U. S. Navy; res., Fifth Ave. and Wheatsheaf Road, Roselle, N. J.* A Mar. 10, 1915
- DAVIES, J. ERIC, Radio Operator, Marconi International Marine Communication Co., Ltd.; res., 4 Victoria Ave., Penarth, Glamorganshire, Great Britain, England.* A Aug. 11, 1915
- DAVIS, ARTHUR G., Radio Officer (Ensign), U. S. Navy; res., 1016 15th St., N. W., Washington, D. C.; U. S. S. "Florida," care of Postmaster, New York.* A Dec. 15, 1915
- DAVIS, DARYL D., Electrician, Vacaville Water & Light Co., Vacaville, Cal.; res., 1827 Ward St., Berkeley, Cal.* A July 9, 1915
- DAVIS, F. C., Radio Expert Aid, Navy Yard, Charleston, S. C.; res., 26 George St., Charleston, S. C.* A June 3, 1915
- DAVIS, NORMAN E., Radio Engineer, Marconi Wireless Telegraph Co., Ltd., Marconi Works, Chelmsford, England; res., 8 Hamlet Road, Chelmsford, Essex, England.* A Nov. 17, 1915
- DAVISON, SIDNEY M., Submarine Signal Engineer, Marconi Wireless Telegraph Co., Ltd., Marconi House, London, England; res., Anmiskwam, Gloucester, Mass.; 4 Midhurst Mansions, Muswell Hill, London, N. England.* A Jan. 5, 1915
- DEARDORFF, RALPH W., Radio Experimenter; res., 924 W. 18th St., Los Angeles, Calif.* A Oct. 14, 1915
- DE GROOT, H. B., Radio Engineer, National Electric Supply Co., 1330 New York Ave., N. W., Washington, D. C.; res., 1215 E St., N. E., Washington, D. C.* A Nov. 11, 1915
- DENT, LARAMIE C., Manager, Marconi Wireless Telegraph Co., Chicago, Ill.; 326 River St., Chicago, Ill.* A July 1, 1915
- DESART, ALBERT W., Foreman, Construction and Maintenance, Marconi Wireless Telegraph Co., 502 Maritime Bldg.; res., 410 W. McGraw St., Seattle, Wash.* A Sept. 8, 1915
- DEROSIER, EDGAR JOSEPH, Wireless Operator; res., Wireless Station, Waialua, Oahu, T. H.* A Nov. 17, 1915
- DEVENDORF, HAROLD H., Radio Experimenter; res., 645 33rd St., Milwaukee, Wis. A Sept. 30, 1915
- DeWINTER, SAMUEL, Superintendent, British Columbia Division, Marconi Wireless Telegraph Co. of Canada; res., Hotel Anglais, Vancouver, B. C., Canada; 345 Water St., Vancouver, B. C., Canada.* A April 21, 1915
- DIETRICH, FREDERICK, President, C. Brandes, Inc., 32 Union Square, New York City; res., 1966 Honeywell Ave., New York City. A Mar. 10, 1915
- DILLON, JOHN E., U. S. Radio Inspector, U. S. Government, Cleveland, Ohio; res., 1429 Olivewood Ave., Lakewood, Ohio; 536 Federal Bldg., Cleveland, Ohio. A Nov. 17, 1915
- DOCKRAY, STEPHEN THOMAS, Lieutenant, R. N. V., Royal Naval Air Service; res., 41 Esterly St., Stanwell, Carlisle, England.* A Mar. 21, 1915
- DOLAN, JAMES J., Electrician, in charge of Radio, U. S. Navy; U. S. Coast Guard Cutter "Thetis," Honolulu, H. T.* A Oct. 13, 1915
- DOLPH, STANLEY EDWARD, President and General Manager, Scranton Pump Co., 1441 Meyert Ave., Scranton, Pa.; res., 610 Webster Ave., Scranton, Pa.* A Nov. 4, 1915
- DONLE, HAROLD P., Radio Engineer; res., 9 Phillips St., Providence, R. I.* A Aug. 7, 1915
- DOOLITTLE, FRANKLIN M., Student, Yale College, Engineer, American Telephone & Telegraph Co., 15 Dey St., New York City; res., 171 Bradley St., New Haven, Conn.* A Feb. 24, 1915
- DOWD, JOHN JOSEPH, Chief Electrician (Radio), U. S. S. "Prairie"; care of Postmaster, New York; res., 22 W. Narragansett Ave., Newport, R. I.* A Oct. 13, 1915
- DOWNING, JOHN JAMES, Research Laboratory Assistant, Marconi Wireless Telegraph Co. of America, Roselle Park, N. J.; res., Van Court Inn, Roselle, N. J.* A Oct. 25, 1915
- DRAKE, ERVIN T., Jr., Student, Harvard College; res., 220 S. Main St., Franklin, N. H.; 3 Hollis Hall, Cambridge, Mass.* A April 22, 1915
- DROSTE, GEORGE L., Building Construction, Thompson-Starrett Co., 91 Wall St., New York City; res., 1309 Pugsley Ave., Bronx, New York City.* A July 14, 1915
- DUBILIER, WILLIAM, Consulting Radio Engineer; res., 539 W. 162nd St., New York City; 160 Duane St., New York City.* A Sept. 30, 1915
- DUCHARME, FRANCIS L., Assistant Electrical Engineer, Stone & Webber Engineering Corporation, 111 Milk St., Room 624, Boston, Mass.; res., 11 Dalton St., Boston, Mass.* A Nov. 11, 1915
- DUBLEY, DEWITT CLINTON, Radio Operator, Marconi Wireless Telegraph Co., Philadelphia, Pa.; res., 3916 Market St., Philadelphia, Pa.* A April 15, 1915
- DUNCAN, HARRIE B., Watch Expert, Waltham Watch Co., Waltham, Mass.; res., 34 Foster St., Newtonville, Mass.* A June 3, 1915
- DUNCAN, R. D., Jr., Laboratory Assistant, U. S. Government; res., 33 The Chevy Chase, Washington, D. C.; Bureau of Standards, Washington, D. C.* A Jan. 22, 1915
- DUNKLEE, FLOYD E., Chief Electrician, Radio, U. S. Navy; res., Cotage Grove, One; U. S. Naval Radio Station, Sitka, Alaska.* A Jan. 20, 1915
- DUNN, J. J., Auditor, Tropical Radio Telegraph Co., 80 South St., New York City. A July 24, 1915
- DUNN, PERLY BARTON, Radio Electrician, U. S. Navy; res., 27 Angell Ave., South Portland, Me.; U. S. S. "New Jersey," care of Postmaster, New York City.* A Dec. 15, 1915
- DUNMORE, FRANCIS W., Student, General Electric Co., West Lynn, Mass.; res., 30 Baker St., Lynn, Mass.* A July 1, 1915
- DU TREIL, L. J. N., Chief Operator, Gulf Division, Marconi Wireless Telegraph Co.; res., 518 Eleonore St., New Orleans, La.* A April 1, 1915
- DUVALL, EDWARD B., Radio Experimenter; res., 1027 Madison Ave., Baltimore, Md. A Aug. 12, 1915
- EATON, WILLIAM A., Radio Gunner, U. S. Navy, Radio, Va.; res., Radio Va.; U. S. S. "Washington," care of Postmaster, New York City.* A Sept. 9, 1915
- EASTMAN, T. CARL, Radio Operator, Marconi Wireless Telegraph Co., Merchants Exchange Bldg., San Francisco, Cal.* A Sept. 12, 1915
- EAVES, AUGUSTUS J., Electrical Engineer, Postal Telegraph Co., 253 Broadway, New York City; res., 506 W. 113th St., New York City.* A April 1, 1915
- EDUWAN, PHILIP E., Technical Adviser and Investigator, Minnesota Wireless Association, City Bldg., Minneapolis, Minn.; res., 1802 Henn Ave., St. Paul, Minn.* A Aug. 12, 1915
- EDMONDS, ALONZO NEWTON, Electrician and Wireless Operator, U. S. Lighthouse Department; res., 322 Duke St., Norfolk, Va.; U. S. Lighthouse Steamer "Cypress," Charlestown, S. C.* A Aug. 12, 1915
- EDWARDS, JOSEPH B., Student in Electrical Engineering, Columbia University; res., 236 Linden Ave., Flatbush, Brooklyn, N. Y.* A Jan. 7, 1915
- EDWARDS, STEVE V., Electrician, First Class, U. S. Navy, Radio, Va.; res., Cheone, Miss.; U. S. Naval Radio Station, Washington, D. C.* A April 21, 1915
- EGAR, JOHN G., Assistant Engineer, Universal Radio Syndicate, Ltd., Ballybunion, County Kerry, Ireland; res., Cedar Cottage, Bentley, Hants, England.* A Nov. 11, 1915
- EHRLI, LEE, Chief Radio Electrician, U. S. Navy, care of Lighthouse Inspector, 6th District, Charleston, S. C.; res., 2626 S. Carlisle St., Philadelphia, Pa.* A Mar. 31, 1915
- ELNSCHNEIDER, J. B., Engineer, Marconi Wireless Telegraph Co., Brooklyn, N. Y.; res., 1352 72nd St., Brooklyn, N. Y.* A Nov. 4, 1915
- ELKINS, LINDSEY R., Chief Electrician, Radio, U. S. Navy; res., 1305 Lincoln Ave., Sapulpa, Okla.; U. S. S. "New Jersey," care of Postmaster, New York City.* A Dec. 30, 1915
- ELLIOT, RICHARD M., Jr., Officer of the Line, U. S. Navy, U. S. S. "McDougal"; care of Postmaster, New York City.* A Dec. 16, 1915
- EMANUEL, SOL, Wireless Operator, Pacific Alaska Navigation Co., Seattle, Wash.; res., 931 21st Ave. N., Seattle, Wash.* A Sept. 8, 1915
- EMERY, R. C., Treasurer, Emery Steamship Co., 114 State St., Boston, Mass.; res., Newton, Mass. A Sept. 30, 1915
- EMERSON, FRANK, Student, Portsmouth High School; res., 119 High St., Portsmouth, Va.* A May 22, 1915
- ENGLAND, GEO. B., Engineer, Department of Education, City of New York; res., 917 St. Nicholas Ave., New York City.* A Sept. 3, 1915
- ENGST, NORBERT K., Treasurer's Assistant, Roher & Kuebler Co., Newark, N. J.; res., 428 Monmouth St., Newark, N. J. A April 2, 1915
- EPICSON, ARTHUR E., Radio Operator, Marconi Wireless Telegraph Co., New York City; res., Summer St., Manchester, Mass.; care of Emerson Experimental Station, Manchester, Mass.* A Sept. 30, 1915

*Denotes mailing address

†As of 1915

- ESCRICH, JAMES P.**, Constructor of Wireless Instruments; res., 234 Warren St., Jersey City, N. J.* A Sept. 9, 1914
- ESTEY, F. CLIFFORD**, Electrician, Locke Regulator Co., North St., Salem, Mass.; res., 22 Oakland St., Salem, Mass.* A April 15, 1914
- EVANS, JAMES**, Chief Radio Electrician, U. S. Navy; U. S. S. "Wadsworth," care of Postmaster, New York City.* A Feb. 18, 1914
- EVANS, JAMES ARTHUR**, Engineering Student; care of University of Virginia University, Va.* A Aug. 12, 1914
- EVANS, LOUIS M.**, Electrical Engineer, Signal Corps, U. S. Army; 1710 Pennsylvania Ave., N. W., Washington, D. C.*; res., 408 N. Alfred St., Alexandria, Va. A April 1, 1914
- EVEREST, AUGUSTINE R.**, Consulting Design Engineer, British Thomson Houston Co., Ltd.; res., 46 Clifton Road, Rugby, England; British Thomson Houston Co., Ltd., Rugby, England.* A Sept. 22, 1915
- EVERETT, L. C.**, Engineer, Marconi Wireless Telegraph Co., 233 Broadway, New York City*; res., 107 Court St., Newark, N. J. A Sept. 3, 1914
- FABBRI, ALESSANDRO**, Experimenter; res., Metropolitan Club, 1 E. 60th St., New York City.* A Oct. 13, 1915
- FACEY, JOHN W.**, Electrician, Richard Pfund, 54 Stone St., New York City.* A Sept. 3, 1914
- FALLON, JAMES R.**, Chief Radi. Operator, U. S. Navy; res., 107 Hammond St., Boston, Mass.; Box 192, Sayville, L. I., N. Y.* A Jan. 20, 1915
- FARRAND, G. L.**, Engineer, Marconi Wireless Telegraph Co.; res., Van Court Inn, Roselle, N. J.* Charter Member W.L.
- FAY, FRANK**, Assistant Supervisor, Plant Layout, American Telegraph & Telephone Co., 24 Walker St., New York City; res., 151 Joralemon St., Brooklyn, N. Y.* A Nov. 17, 1915
- FELLOWS, HERBERT SYDNEY**, Assistant Engineer, Marconi Wireless Telegraph Co.; res., S6 Beaufort Road, West Southbourne, Bournemouth; Marconi Station, Clifden, County Galway, Ireland.* A April 22, 1914
- FENDRICH, WM., Jr.**, Assistant Inspector, U. S. Navy; res., 616 W. 18th St., New York City. A May 22, 1914
- FERRIS, MALCOLM**, Instructor, Philadelphia School of Wireless Telegraphy, Parkway Bldg., Philadelphia, Pa.; res., 3409 Baring St., Philadelphia, Pa.* A Oct. 13, 1914
- FERRIS, WILLARD J., Jr.**, Radio Operator, Marconi Wireless Telegraph Co., John Wanamaker Bldg., Philadelphia, Pa.; res., 3443 N. 15th St., Philadelphia, Pa.* A July 8, 1914
- FESSENDEN, EDGAR H.**, Electrician, Broadway-Park Place Co.; res., 132 Norwood Ave., Brooklyn, N. Y.* A Dec. 15, 1914
- FIELD, W. THAYER**, Student, Princeton College, Princeton, N. J.; res., 976 Broad St., Newark, N. J.; Charter Club, Princeton, N. J.* A April 22, 1914
- FITE, T. A.**, Manager, Berkeley Radio Laboratory, Berkeley, Cal.; res., Berkeley, Cal.* A April 1, 1914
- FLEISS, ROBERT ANTON**, Master Signal Electrician, Company A, First Aero Squadron; res., 99 Claremont Ave., New York City.* A Dec. 15, 1914
- FLEMING, JAMES J.**, Assistant to Proprietor, The New Thomson Hotel; res., The New Thomson Hotel, Kane, Pa.* A Dec. 15, 1914
- FLITCH, JOHN C.**, Master Signal Electrician, U. S. Army, Signal Corps; Fort Leavenworth, Kan.* A Aug. 26, 1914
- FLOTTMAN, JOHN M.**, Wireless Operator, Marconi Wireless Telegraph Co., San Francisco, Cal.; res., Washington, Mo.; P. O. Box 80, San Francisco, Cal.* A Jan. 27, 1914
- FOLEY, J. W. BEASLEY**, Assistant Manager, Marconi Wireless Telegraph Co., Port Arthur, Tex.; res., 130 Lakeshore Drive, Port Arthur, Tex.* A April 1, 1914
- FOLEY, LEWIS B.**, Superintendent Telegraph, Telephone and Wireless, Delaware, Lackawanna Railroad Co., 390 West St., New York City*; res., Denville, N. J. A July 7, 1914
- FORBES, ALLAN CHARLES**, Dynamo Tender, Marconi Wireless Telegraph Co. of America, Bolinas, Marin County, Cal.*; res., Marconi Hotel, Bolinas, Cal. A July 1, 1914
- FORD, WALTER B.**, Electrician, Southern Electric Co., San Diego, Cal.; res., 3053 Arnold Ave., San Diego, Cal.* A April 22, 1914
- FOWLER, H. A.**, Editor, "The Miscellany," 17, Board of Trade, Kansas City, Mo.*; res., 3 E. Armour Blvd., Kansas City, Mo. A Aug. 12, 1914
- FRAZER, MARC**, Manager Roofing Department, Tyle Corrugated Culvert Co.; res., 2616 Emerson Ave., S., Minneapolis, Minn.* A May 12, 1915
- FREDRICKS, JOHN ERICK**, Chief Electrician, U. S. Navy, U. S. S. "San Diego," care of Postmaster, San Francisco, Cal.*; res., Brush Prairie, Clarke County, Wash. A May 26, 1915
- FREEMAN, WALTER CLARKSON**, Telephone Engineer, Stromberg Carlson Telegraph Manufacturing Co., Rochester, N. Y.; res., 121 Corwin Road, Browncroft, Rochester, N. Y.* A April 1, 1914
- FRIED, JOS. A.**, Switchboard Designer, Sprague Electric Works, New York City; res., 525 First Ave., Astoria, L. I., N. Y.* A April 12, 1914
- FROST, HERBERT H.**, Radio Engineer and Buyer of Wireless Goods, Sears-Roebuck & Co., Chicago, Ill.; res., 304 Forest Ave., Oak Park, Ill.; Department 57, Sears-Roebuck & Co., Chicago, Ill.* A Jan. 5, 1914
- FULLER, ERLE H.**, First Class Sergeant, Company E, Signal Corps, U. S. Army, Honolulu, Hawaii.* A Aug. 12, 1914
- FURLONG, LIEUT. W. R.**, Lieutenant, U. S. Navy; U. S. S. "Wyoming," care of Postmaster, New York City.* A Oct. 28, 1914
- GAGE, EDWARD G.**, Partner, Chandler & Gage, 99 West St., New York City.* Charter Member W.L.
- GARDNER, PAUL LOGAN**, Electrical Draftsman, Puget Sound Navy Yard; res., Bremerton, Wash.; Navy Yard, Bremerton, Wash.* A Nov. 17, 1914
- GASKEY, SIGMUND**, Radio Operator, Marconi Wireless Telegraph Co., Merchants Exchange Bldg., San Francisco, Cal.*; res., 73 W. 30th St., Bayonne, N. J. A Sept. 9, 1914
- GAULT, GEORGE H.**, Operator, Marconi, S. S. "John A. Hooper"; res., care of Marconi, 416 Merchants Exchange Bldg., San Francisco, Cal.; care of Marconi, Wanamaker Bldg., Philadelphia, Pa.* A Oct. 13, 1914
- GAWLER, H. C.**, Radio Inspector, Department of Commerce, U. S. Government, Boston, Mass.; res., 53 Heath St., Somerville, Mass.; care of Custom House Barge Office, Boston, Mass. A Nov. 4, 1912
- GERHARD, A. E.**, Wireless Operator, Marconi Wireless Telegraph Co., Marshall, Cal.; care of Marconi Wireless Telegraph Co., Marshall, Cal.* A Feb. 10, 1915
- GIFFIN, SIDNEY H.**, Marconi Wireless Telegraph Co.; res., Tudor Hall Apartments, University Parkway, Baltimore, Md.; Marconi Wireless Telegraph Co., 601 American Bldg., Baltimore, Md.* A April 15, 1914
- GIVNAN, PATRICK J.**, Superintendent, Kilbourne & Clark Manufacturing Co., Seattle, Wash.; res., 716 16th Ave., Seattle, Wash.; 71 Columbia St., Seattle, Wash.* A Mar. 24, 1915
- GLASENER, VANCE C.**, Chief Electrician, (Radio) U. S. Navy; U. S. S. "Nebraska," care of Postmaster, New York City.* A Mar. 10, 1915
- GODLEY, PAUL E.**, Radio Inspector, Brazilian Government; res., Leonia, N. J.* A May 6, 1914
- GOGEL, ADELBERT**, Designer, Gogel Manufacturing Co.; res., 628 S. Erie St., Toledo, O.* A May 22, 1914
- GOLDSBOROUGH, BRICE HERBERT**, Chief Radio Electrician, U. S. Navy, U. S. S. "Eleanor"; res., 3750 Harvard Blvd., Los Angeles, Cal.; U. S. S. "Eleanor," care of U. S. Postal Agency, Shanghai, China.* A Mar. 31, 1915
- GOLDSTEIN, DAVID S.**, Chief Electrician, (Radio) U. S. Navy; res., 9 Asylum St., Boston, Mass.; U. S. Naval Radio Station, Tatoosh, Wash.* A Feb. 10, 1915
- GOODMAN, HAROLD THORPE**, Electrician, Third Class, (Radio) U. S. Navy; res., 257 Peoples St., Atlanta, Ga.; U. S. S. "New Hampshire," care of Postmaster, New York City.* A Nov. 17, 1915
- GOODWIN, AUBREY R.**, Radio Engineer, Wm. J. Murdoch Co., Chelsea, Mass.; res., 70 Huntington Ave., Boston, Mass.* A Oct. 14, 1914
- GOODWIN, W. NELSON, JR.**, Chief Electrical Engineer, Weston Electrical Instrument Co., Newark, N. J.; res., 30 Scheerer Ave., Newark, N. J.* A Nov. 17, 1915
- GORDON, McCHEYNE**, Professor of Physics, Lafayette College, Easton, Pa.; res., Lafayette College, Easton, Pa.* A Jan. 5, 1914
- GOVERN, HARRY E.**, Assistant Sales Manager, H. Lee Mallory Co., 315 Fifth Ave., New York City; res., 251a Grand Ave., Brooklyn, N. Y. A Aug. 12, 1914
- GOWAN, JOSEPH HENRY**, Electrician, (Radio) First Class, U. S. Navy; res., Harrison, Ark.; U. S. S. "Albany," Bremerton, Wash.* A Dec. 15, 1915

*Denotes mailing address

†As of 1915

- GRAF, EDWARD**, Radio Operator, Marconi Wireless Telegraph Co.; A July 1, 1914
res., 165 Sheridan Road, Paterson, N. J.*
- GRAHAM, WARREN C.**, Chief Instructor, School of Radio Telegraphy, A Nov. 17, 1915
Y. M. C. A., New Orleans, La.; res., 5317 Magazine St., New Orleans, La.*
- GRAHAM, WILLIAM A.**, Chief Electrician, U. S. Navy; res., 248 A Jan. 27, 1915
Ainsworth St., Norfolk, Va.; U. S. Naval Radio Station, Sayville, L. I., N. Y.*
- GRAVELEY, EUGENE C.**, General Contractor; res., Hemingway, S. C.; A July 1, 1913
Florence, S. C.*
- GRIFFIN, WILL CARLETON**, Wireless Operator, Alaska Steamship Co., S. S. "Northwestern"; res., care Tregoning Boat Co., Seattle, Wash.*
- GRIFFING, HARVEY VICTOR**, Radio Operator, Marconi Wireless Telegraph Co., Port Arthur, Tex.*; res., Eastport, L. I., N. Y.
- GRIMMON, PETER E. G.**, Electrical Engineer, Representative of de Forest Radio Telegraph & Telephone Co., for Argentine and Brazil, Calle Republicanas 3576, Buenos Aires, S. A.; Kerkstraat 311, Amsterdam, Holland.*
- GRINNELL, MILTON WILDER**, Radio Operator, Marconi Wireless Telegraph Co., Boston, Mass.; res., 29 Upham St., Salem, Mass.*
- GRUNERT, ERICH**, Assistant Manager, Tuckerton Radio Station, Tuckerton, N. J.*; res., Tuckerton, N. J.
- GUTHRIE, CHARLES D.**, Electrician, Brit'ol Myers Co., 281 Greene Ave., Brooklyn, N. Y.; res., 268 Sterling St., Flatbush, Brooklyn, N. Y.*
- HAFNER, ANDREW J.**, Radio Experimenter, New York City; res., A Oct. 15, 1913
656 E. 2nd St., Brooklyn, N. Y.*
- HAGENLOCHER, ERNEST**, Electrical Engineering Department, J. G. White Engineering Corporation, 13 Exchange Place, New York City*; res., 301 Vanderbilt Ave., Brooklyn, N. Y.
- HAHNE, CHAS. A.**, Radio Operator, Tropical Radio Telegraph Co., A July 24, 1915
New York City; res., 362 15th St., Brooklyn, N. Y.*
- HAINES, HOWARD J.**, Law Student, Merchants Claim Association, A July 1, 1915
Suites 1110-1111, 27 William St., New York City; res., 115 W. 22nd St., New York City.*
- HAINES, KENNETH B.**, Ed. Department, Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.; res., Room 8, 500 Todd St., Wilkinsburg, Pa.*
- HALE, W. H.**, Lieut., P. C., Manila, P. I.*
- HALEY, JAMES A.**, Superintendent, Geo. A. Fuller Co., 100 Magazine St., Roxbury, Mass.; res., 7 Saranac St., Dorchester, Mass.*
- HALL, RALPH O.**, Erecting Engineer, Kilbourne & Clark Manufacturing Co., Seattle, Wash.*; res., 1715 17th Ave., Seattle, Wash.
- HAMMELL, J. F.**, Radio Operator, Alaska Steamship Co., Pier 2, Seattle, Wash.*; res., Seattle, Wash.
- HANTZSCH, RALPH E.**, Radio Experimenter; res., 1161 Island Ave., Milwaukee, Wis.*
- HARDING, HAROLD M.**, Electrical Machinist, U. S. Navy, Navy Yard, Mare Island, Cal.; res., 1522 Bonita Ave., Berkeley, Cal.*
- HARDY, WILBUR HOPKINS**, Radio Experimenter; res., 778 Hale St., Beverly Farms, Mass.*
- HARGETT, GEO. C.**, Photographer; res., 12340 Castlewood Ave., Cleveland, O.*
- HARP, FRANKLIN H.**, Building Wireless Apparatus, Kilbourne & Clark Manufacturing Co., Seattle, Wash.; res., 917½ Spruce St., Seattle, Wash.*
- HART, FRANCIS A.**, Chief Inspector, Marconi Wireless Telegraph Co., A Charter Member, 233 Broadway, New York City; res., 1289 Dean St., Brooklyn, N. Y.*
- HART, M. EMANUEL**, Secretary and Manager, Enterprise Electrical Co., New Orleans, La.; res., 107-21 Baronne St., New Orleans, La.*
- HART, WILLIAM T.**, Electrician (Radio), U. S. Navy; U. S. S. "E-1"; care of Postmaster, New York City.*
- HATFIELD, ROBERT L.**, Signal Corps, N. G. N. J., Jersey City, N. J.; A Charter Member, 207 Market St., Newark, N. J.*
- HATTON, HAROLD**, Radio Operator, Marconi Wireless Telegraph Co., A Oct. 13, 1915
Merchants Exchange Bldg., San Francisco*; res., Hotel Terminal, San Francisco, Cal.
- HAUGHTON, E. J.**, District Superintendent, Canadian Government Radio-telegraph, 1230 Government St., Victoria, B. C., Canada*; res., 1932 Cowan St., Victoria, B. C., Canada.
- HAW, ARTHUR E.**, Radio Engineer, Wireless Instrument Co.; res., A Jan. 5, 1916
2123 1st Ave., S., Seattle, Wash.*
- HAWKINS, LES S.**, Engineer, Marconi Wireless Telegraph Co. of Canada, Ltd., Toronto, Canada; res., 17 Gormley Ave., Toronto, Canada.*
- HAYDEN, THOMAS J.**, Instructor, Practical and Applied Electricity, Department of Education, New York City; res., 222 S. 10th Ave., Mount Vernon, N. Y.*
- HAYES, GEORGE W.**, Superintendent of Factory, Marconi Wireless Telegraph Co., Aldene, N. J.; res., 321 Second Ave., Roselle, N. J.*
- HAYES, H. D.**, Director of the School of Radio Telegraphy, Y. M. C. A.; A Aug. 12, 1913
Los Angeles, Cal.; res., 1123 W. 7th St., Los Angeles, Cal.
- HEBERT, ARTHUR A.**, Representative, Midvale Steel Co., New York, A Charter Member, City; res., 216 Highland Lane, Nutley, N. J.*
- HEFFERMAN, WILLIAM J.**, Clerk, Chas. Williams Stoves; res., 46 A June 3, 1914
Strong Place, Brooklyn, N. Y.*
- HEIGL, D. J.**, Port Manager, Marconi Wireless Telegraph Co., 1002 A Oct. 15, 1913
Parkway Bldg., Philadelphia, Pa.*; res., 1421 Arch St., Philadelphia, Pa.
- HEIKEN, EMIL W.**, Radio Operator, Panama Railroad Steamship Line; res., 2103 Vyze Ave., Bronx, New York City; S. S. "Achilles"; care of John Bros., Norfolk, Va.*
- HENDERSON, GEO. E.**, Radio Operator, in charge, Tropical Radio Telegraph Co., 80 South St., New York City; Purwood Radio Station, Burwood, Eng.
- HENDERSON, JOHN C.**, Student, Rensselaer Polytechnic Institute, Troy, N. Y.; res., 1659 Central Ave., Indianapolis, Ind.*
- HEPBURN, A. J.**, Lieutenant Commander, U. S. Navy; res., 1829 Wyoming Ave., Washington, D. C.; U. S. S. "South Carolina"; care of Postmaster, New York City.*
- HERTY, HAROLD BURTON**, Radio Operator, Tropical Radio Telegraph Co.; res., 1327 Toulouse St., New Orleans, La.; 321 St. Charles St., care of Tropical Radio Telegraph Co., New Orleans, La.*
- HICKEY, ANDREW S.**, Lieut., Electrical Engineer Officer, Navy; A Jan. 21, 1914
Yard, Philadelphia, Pa.; care of Navy Department, Washington, D. C.*
- HIGGS, HARRY Y.**, Instructor in Radio Telegraphy, Brooklyn Telegraph School, Brooklyn, N. Y.; res., 30 Irving Place, Brooklyn, N. Y.*
- HILL, LAURENCE D.**, Engineer, Bathurst, Cambria, British West Africa.*
- HILL, PARKER**, Captain, 49th Infantry, U. S. Army; School of Musketry, Fort Sill, Okla.*
- HODGES, SANDEL ASHBY**, Wireless Operator, Marconi Wireless Telegraph Co., Marshalls, Cal.*; res., Marconi Hotel, Marshalls, Cal.
- HOLFWAN, JOSEPH M.**, Engineer; res., 120 E. 92nd St., New York City; 317 E. 91st St., New York City.*
- HOFEMAYER, P.**, Chief Radio Electrician, U. S. Navy, U. S. S. "Dolphin"; care of Postmaster, New York City; U. S. S. "Dolphin"; care of Postmaster, New York City.*
- HOGG, WILLIAM STETSON, Jr.**, Radio Officer, U. S. Navy, Pacific Torpedo Flotilla; U. S. S. "Iris"; Pacific Station, via San Francisco, Cal.*
- HOLME, PAUL EUGENE**, Gas Fitter, Portland Gas & Cable Co., A Nov. 17, 1915
Portland, Ore.; res., 422 Blackstone St.*
- HOLLIAND, CLARENCE GILLILAND**, Student, Massachusetts Institute of Technology; res., 26 Trenton St., Melrose, Mass.*

*Denotes mailing address

- HOLZI, ALFRED E., Radio Electrician, U. S. Navy; res., Fire Island, N. Y.; New York; U. S. Naval Radio Station, Fire Island, N. Y.* A July 7, 1915
- HOMES, WILLIAM, Photographer; res., Chocorua, N. H.* A Nov. 17, 1915
- HOPPOCK, ALLEN H., Student, New York University; res., 215 Clark St., Westfield, N. J.* A April 22, 1915
- HORLE, LAWRENCE C. E., Instructor in Physics, Stevens Institute of Technology, Hoboken, N. J.; res., 142 Fairmount Ave., Newark, N. J. A Feb. 18, 1915
- HORN, CHARLES W., Radio Operator, Tropical Radio Telegraph Co.; 17 Battery Place, New York City; res., Sagamore Hotel, Far Rockaway, L. I., N. Y.* A Sept. 8, 1915
- HOSETH, FRANK B., Wireless Operator, Alaska Steamship Co., Pier 2, Seattle, Wash.; res., 818 First Ave., Seattle, Wash.* A Aug. 12, 1915
- HOWARD, WILLIAM H., Laboratory Assistant, Marconi Wireless Telegraph Co.; res., 1192 Broad St., Newark, N. J.* A July 1, 1915
- HOWELL, W. J., Radio Instructor, New York Protective, Westchester; res., 135 Edgecombe Ave., New York City.* A Mar. 31, 1915
- HOXIE, CHARLES A., Assistant Electrical Engineer, General Electric Co., Schenectady, N. Y.; res., 11 Elm St., Schenectady, N. Y.* A Nov. 3, 1915
- HUBLEY, W. F., *Treasurer of the Institute*, President and General Manager, American Transformer Co., Newark, N. J.; res., 77 Carlton St., East Orange, N. J.; 145 Miller St., Newark, N. J.* A June 3, 1915
- HUDSON, JOEL E., Engineer in charge, Marconi Wireless Telegraph Co., Marion, Mass.* A Sept. 9, 1915
- HUNTER, HERBERT A., Radio Electrician, U. S. Naval Radio Station, Radio Va.; res., 90 Terrace Ave., Winthrop Beach, Mass. A Oct. 13, 1915
- HUNTER, THOMAS M., Assistant Engineer, American Transformer Co., 145 Miller St., Newark, N. J.; res., 22 Pennsylvania Ave., Newark, N. J. A Nov. 17, 1915
- HURLEY, EDWARD P., Salesman, Thorne Neale & Co., 601 Stephen Girard Bldg., Philadelphia, Pa.; res., 132 N. Robinson St., Philadelphia, Pa.* A Jan. 21, 1915
- IDDINGS, E. T., Chief Cable Testman, Chesapeake & Potomac Co.; Baltimore, Md.; res., 1608 Linden Ave., Baltimore, Md.* A April 14, 1915
- INTO, EDWIN GROVER, Radio Operator, Tropical Radio Telegraph Co., 17 Battery Place, New York City*; res., Bristol, R. I. A April 15, 1915
- INWRIGHT, JOHN A., Student, New York University; res., 100a Fairmount Ave., Jersey City, N. J.* A April 2, 1915
- ISLER, SAMUEL, Laboratory Assistant, U. S. Government; res., 1829 Ontario Place, N. W., Washington, D. C.; Bureau of Standards, Washington, D. C.* A Dec. 1, 1915
- ISRAEL, LESTER L., Radio Engineer, U. S. Navy, Machinery Division, Brooklyn, N. Y.; res., 106 W. 69th St., New York City.* A April 21, 1915
- JACKSON, CHESTER M., Radio Operator, Marconi Wireless Telegraph Co., San Francisco, Cal.; res., 1025 Brookdale Ave., Oakland, Calif.* A Mar. 10, 1915
- JARVIS, B. LEWIS, Chief Radio Electrician, U. S. Navy; U. S. Naval Electrical Class, Navy Yard, Brooklyn, N. Y.* A Feb. 18, 1915
- JOHNSON, ALBERT H., Superintendent of Shop, National Electrical Supply Co., Washington, D. C.; res., 431 Cedar St., Takoma Park, D. C.; National Electrical Supply Co., 1330 New York Ave., N. W., Washington, D. C.* A Jan. 7, 1915
- JOHNSON, HARRY L., Radio Operator, U. S. Navy; res., Sedley, Va.; U. S. S. "Paulding," care of Postmaster, New York City.* A May 6, 1915
- JOHNSON, THEOPHILUS, Jr., Student, Columbia University, New York City; res., 17 3rd St., Woodside, L. I., N. Y.* A April 21, 1915
- JOHNSTON, STANLEY, Radio Operator, Olson & Mahoney Steamship Co.; res., 753 Bush St., San Francisco, Cal.* A Dec. 15, 1915
- JOINER, JAMES ROWLAND, Radio Operator, Marconi Wireless Telegraph Co., Elm and Duane Sts., New York City*; res., Moravia, N. Y. A Oct. 13, 1915
- JONES, CLARENCE E., Agent, The Texas Co.; res., Live Oak, Fla.* A April 21, 1915
- JONES, MYRON ALBERT, Radio Electrician, U. S. Navy, Puget Sound, Wash.; res., 4000 U St., San Diego, Calif.; Box 646, Bremerton, Wash.* A Sept. 8, 1915
- JULIEN, IRA F., Manager, Semi-High Power Station, Box 43, Astoria, Ore.* A June 3, 1915
- KAISER, JACOB, Jr., Manager, Hotel; res., 97 Borden Ave., Long Island City,* A Feb. 10, 1915
- KAHANE, CHAS. G., Radio Engineer, Atlantic Communication Co.; 47 West St., New York City*; res., Hillsdale, N. J. A Mar. 12, 1915
- KASNER, HENRY P., Shift Engineer, Marconi Wireless Telegraph Co.; 1000, Oahu, T. H.; res., 1215 Madison Ave., New York City. A Jan. 5, 1915
- KLEFFER, HAL V., Electrician in charge, U. S. Navy; res., 4193 17th St., San Francisco, Calif.; U. S. Naval Training Station, San Francisco, Calif.* A Mar. 10, 1915
- KLEP, H. SANFORD, Ensign, U. S. S. "Georgia," care of Postmaster, New York City.* A June 3, 1915
- KELLOW, JAMES CAMPBELL, Wireless Operator, C. T. U. A., 74 Broadway, New York City; res., 114 Liberty Ave., Jamaica, L. I., N. Y.* A Oct. 13, 1915
- KELLY, WILLARD S., Master Signal Electrician, U. S. Army; res., 613 Rock Creek Road, Washington, D. C.; U. S. Signal Corps, 1710 Pennsylvania Ave., N. W., Washington, D. C.* A April 8, 1915
- KELLY, C. MERRILL, Jr., Development Engineer, Western Electric Co., Chicago, Ill.; res., 145 N. Norman Ave., Chicago, Ill.* A Nov. 4, 1915
- KELLY, GEORGE W., Jr., Operator, Marconi Wireless Telegraph Co.; res., 1735 N. 16th St., Philadelphia, Pa.* A April 15, 1915
- KENNY, MATTHEW, Chief Electrician, U. S. Navy; res., 37 1/2 16th St., Brooklyn, N. Y.; Naval Radio Station League, Navy Yard, Philadelphia, Pa.* A April 21, 1915
- KENT ROSCOE, Superintendent of Railroad Operation, Tropical Timber Co., Nueva Armenia, Sp., Honduras; res., 222 Washington St., Newark, N. J.* A Jan. 7, 1915
- KERANE, PATRICK J., Radio Operator, Marconi Wireless Telegraph Co., Ltd.; res., Lisdown, Castlerea County, Roscommon, Ireland; S. S. "El Torito," care of General Post Office, London, England.* A Dec. 15, 1915
- KETCHAM, J. M., Sales Agent and Engineer; 155 Park Ave., East Orange, N. J.* A Feb. 4, 1915
- KING, FRANK, Student, Columbia University; res., 326 W. 107th St., New York City.* A May 12, 1915
- KING, THOMAS L., Chief of Radio Platoon, U. S. Army Signal Corps; A Mar. 24, 1915
- KITCHIN, HOWARD W., Chief Radio Electrician, U. S. Navy Laboratory, Bureau of Standards, Washington, D. C.* A Aug. 12, 1915
- KLAUS, WILLIAM, Radio Electrician, U. S. Naval Radio Station, Radio Va.* A Oct. 15, 1915
- KNIGHT, HERVEY S., Patent Expert; res., 6930 Piney Branch Road, Takoma Park, D. C.; 700 10th St., N. W., Washington, D. C.* A Jan. 13, 1915
- KNIGHT, MAURICE E., Machinist, American Voting Machine Co.; res., 3 Edwin St., Dorchester, Mass.* A July 8, 1915
- KNOELL, LLOYD M., Instructor in Physics, Central High School, Philadelphia, Pa.; res., 3260 Chestnut St., Philadelphia, Pa.* A Oct. 15, 1915
- KNOTTS, HARRY J., Experimenter, Publisher "State Center-Record," Indianapolis, Ind.* A May 6, 1915
- KNOWLES, EDWARD P., Jr., Train Director, Pennsylvania Railroad, Trenton, N. J.; res., 416 Princeton Ave., Trenton, N. J.* A Aug. 12, 1915
- KOJUCH, JAMES C., Licensed Electric Elevator Operator; res., 671 E. 12th St., Los Angeles, Calif.* A Nov. 4, 1915
- KOHLER, HARRY E., Operator, Marconi Wireless Telegraph Co.; res., Perkasie, Pa.* A July 1, 1915
- KOSIER, RICHARD WESLEY, Chief Electrician (Radio), U. S. Navy; res., 811 Kenmore Place, Brooklyn, N. Y.* A Nov. 17, 1915
- KOSS, SIMON E., Engineer, First Class, Marconi Wireless Telegraph Co., Ltd., Marconi House, Strand, London, England*; res., 182 Victoria Road, Alexandra Park, London, N. E., England. A Mar. 10, 1915

*Denotes mailing address

†As of 1915

- KRAFT, VINCENT L., Radio Experimenter; res., 4745 11th Ave., N. E., A. May 12, 1914
Seattle, Wash.*
- KRENKE, ALBERT E., Manager and Radio Operator, Federal Telegraph Co., U. S. Grant Hotel, San Diego, Calif.; res., 1150 Arch St., San Diego, Calif.*
- KUHN, ALFRED S., General Manager and Engineer, Fritz Lowenstein, 397 Bridge St., Brooklyn, N. Y.; res., 229 W. 105th St., New York City.
- KUJIRAI, T., Professor of Electrical Engineering, Tokyo Imperial University, Tokyo, Japan*; res., Tokyo, Japan.
- KUMELIKE, LORENZ LEI, Draughtsman, Federal Telegraph Co., Palo Alto, Calif.; res., 611 Bryant, Palo Alto, Calif.
- LAAGER, CRESTON E. H., Draughtsman, Standard Roller Bearing Co.; res., 1029 Belmont Ave., West Philadelphia, Pa.*
- LA CHAPELLE, JACQUES DE; res., Highwood, N. J.* A. April 15, 1915
- LACHMAN, THEO., Operator and Radio Electrician, U. S. Naval Station, Watertown, Fla.
- LAIRD, KENNETH V., High Tension Research; res., 105 Parkside Drive, Berkeley, Calif.
- LAMB, EDWIN S., Instructor, Kenosha Wireless School, Kenosha, Wis.; res., 119 Milwaukee Ave., Kenosha, Wis.*
- LAMSON, HORATIO W., Assistant Instructor, Massachusetts Institute of Technology, Boston, Mass.; res., Arlington Heights, Mass. 55 St., Boston, Mass.*
- LANE, BURTON J., Radio Operator, U. S. Navy; res., 321 27th Ave., Seattle, Wash.; U. S. Naval Radio Station, Tatooch Island, Wash.
- LANE, DAVID M., Electrical Engineering Student, Cooper Union; res., 313 9th St., Jersey City, N. J.*
- LANG, HARRY J., Radio Inspector, Radio Laboratory, U. S. Navy, Navy Yard, Brooklyn, N. Y.; res., 112 E. 27th St., New York City.
- LANGE, EDWARD CARL, Chief Draughtsman, Kilbourne & Clark Manufacturing Co.; res., 311 29th Ave., N., Seattle, Wash.*
- LANGLEY, R. H., Engineer in charge at New York, Wireless Specialty Apparatus Co.; Chief Engineer, Wireless Improvement Co., New York City; res., 220 Audubon Ave., New York City.*
- LANGMUIR, IRVING, Research Engineer, Research Laboratory, General Electric Co., Schenectady, N. Y.; res., 16 Rugby Road, Schenectady, N. Y.
- LANGRIDGE, ARCH, Engineer, Marconi Wireless Telegraph Co., Ltd., Marconi Works, Chelmsford, England; res., Crickett Hill, Sand, Woking, Surrey, England.*
- LaPLANT, G. L., Druggist and Manager Electric Light and Power, res., St. Anthony, Iowa.
- LARSON, LOUIS J., Radio Telegrapher, Federal Telegraph Co., San Francisco, Calif.; res., Hotel Thomas, San Francisco, Calif.; 811 Hobart Bldg., San Francisco, Calif.*
- LARZLERE, WILLIAM R., Jr., Electrical Engineer, 512 Merchants National Bank Bldg.; res., 465 Page St., San Francisco, Calif.*
- LEASON, ROGER WOLCOTT, Radio Operator, Marconi Wireless Telegraph Co., Port Arthur, Tex.; res., 22 Childs St., Hyde Park, Mass.
- LEE, EDWARD H., Radio Electrician and Operator, U. S. Army; res., 328 Jackson St., Lawrence, Mass.; Radio Station, Grande Island, Zambales, P. I.*
- LEE, SAMUEL E., Chief Radio Electrician, U. S. Navy, U. S. S. "Wyoming"; res., 527 Simonson St., Key West, Fla.; care of Postmaster, New York City, U. S. S. "Wyoming"**
- LEHDE, PENDELTON E., Wireless Testing Engineer, Vaccaro Bros. Steamship and Railroad Co., New Orleans, La.; res., 2223 Magazine St., New Orleans, La.*
- LEISTER, FAYETTE, Draughtsman, Standard Roller Bearing Co., Philadelphia, Pa.; res., 331 N. Felton St., West Philadelphia, Pa.*
- LEITENBERGER, L. J., Radio Operator, Tropical Radio Telegraph Co.; res., 902 W. Arizona St., Philadelphia, Pa.*
- LEMIEUX, EUGENE O., Radio Operator; res., Kingston, Ont., Canada; Government Radio Station, Kingston, Ont., Canada.*
- LEWISON, WALTER S., Student, Columbia University; res., 319 W. 91st St., New York City.* A. Jan. 21, 1914
- LEWIS, LEE, Superintendent Trans-Oceanic Division, Marconi Wireless Telegraph Co., 233 Broadway, New York City*; res., 80 Prospect St., East Orange, N. J.
- LE QUESNE, CHARLES A., Jr., Engineer, Department Buildings and Supplies, New York Telephone Co., New York City; res., 254 90th St., Brooklyn, N. Y.*
- LEVINE, DAVID, Radio Operator, Marconi Wireless Telegraph Co., Port Arthur, Tex.; res., 44 S. Bond St., Baltimore, Md.
- LEVINSON, NATHAN, Chief Operator, Mutual Telephone Co., Waialae, Oahu, T. H.; Mutual Telephone Co., Wireless Department, Waialae, Oahu, T. H.*
- LEWIS, ELMER H., Radio Telegrapher, Panama Railroad Steamship Co., 24 State St., New York City*; res., 120 W. 95th St., New York City, care of Carmichael.
- LEWIS, LLOYD V., Electrical Engineer, Union Switch and Signal Co., Swissvale, Pa.; res., 110 Lincoln Ave., Edgewood Park, Pittsburgh, Pa.*
- LIBBY, TYNG M., Electrician, Navy Yard, Puget Sound; res., 1337 Warren Ave., Bremerton, Wash.*
- LICHTENSTEIN, BENJ., Student, Horace Mann School, New York City; 22 W. 3rd St., New York City.*
- LICHTENSTEIN, EMIL ALEXANDER, Officer in charge, Radio Station, Tuckerton, N. J.; U. S. Navy; res., 1210 Chaparral St., Corpus Christi, Tex.
- LINDH, CHARLES A. R., Radio Operator, Marconi Wireless Telegraph Co., Merchants Exchange Bldg., San Francisco, Calif.*
- LINDRIDGE, CHARLES D., Telephone Engineer, 632 Industrial Trust Bldg.; res., 119 Lenox Ave., Providence, R. I.*
- LITTLEFIELD, CHARLES E., Radio Experimenter and Manufacturer of Amateur Apparatus; res., 2672 Mansfield Place, Sleepyhead Bay, N. Y.*
- LITTLEFIELD, PERLEY E., Electrician, First Class Radiot, U. S. Navy; res., 333 Lafayette Ave., Brooklyn, N. Y.; U. S. S. "Reid," care of Postmaster, New York City.*
- LOGAN, WILLIAM S., Clerk, Superintendent, Telegraph Department, Pennsylvania Railroad, Philadelphia, Pa.; res., 214 W. Garfield Ave., Norwood, Delaware County, Pa.
- LOGWOOD, CHARLES V., Engineer, Radio Telegraph & Telephone Co., New York City; res., 601 W. 180th St., New York City.*
- LOHMANN, JOHN ANDREW, Radio Operator, Marconi Wireless Telegraph Co., New York City; res., 213 W. 120th St., New York City.*
- LONG, HARVEY H., Radio Operator, Marconi Wireless Telegraph Co., 25 Elm St., New York City.*
- LOVJOY, EDWIN W., Operator, Federal Telegraph Co., Los Angeles, Calif.; res., 1818 Magnolia, Los Angeles, Calif.*
- LOVELL, RAYMOND PARKINSON, Operator, Alaska Steamship Co., Port 2, Seattle, Wash.; res., Kenneth Hotel, Seattle, Wash.*
- LU, JAN, ARSENE N., Instructor in Physics, University of Pittsburgh, Pittsburgh, Pa.; res., Yale Station, New Haven, Conn.
- LYNCH, ARTHUR H., Radio Operator, Marconi Wireless Telegraph Co.; res., 118 St. James Place, Brooklyn, N. Y.*
- LYNCH, JOSEPH LUKE, Operator, Marconi Wireless Telegraph Co.; res., 188 Bergen St., Brooklyn, N. Y.
- LYNN, HARRY H., Radio Experimenter; res., Hyattsville, Md.* A. June 3, 1914
- MC ELLEN, LESLIE W., Radio Operator, National Electric Sign Co.; res., 111 Myron St., New Haven, Conn.; 107 E. 32nd St., Brooklyn, N. Y., care of Geo. Farr.*
- MAGAMBER, WILLIAM E., Jr., U. S. Assistant Radio Inspector, U. S. Navy, Custom House, San Francisco, Calif.; res., 1696 Milvia St., Berkeley, Calif.*
- MAHLER, EDW. T., Student; res., 3109 Grove St., Oakland, Calif.* A. July 8, 1914
- MALONEY, ALEXANDER E., Draughtsman, Marconi Wireless Telegraph Co., Roselle Park, N. J.; res., 108 N. Oxford St., Brooklyn, N. Y.; 117 Locust Ave., Roselle Park, N. J.*

*Denotes mailing address

†As of 1915

- MANLEY, LEE L., Radio Engineer, Marconi Wireless Telegraph Co.; A July 1, 1913
Kahuku, Oahu, T. H.; res., 825 Park Ave., Brooklyn, N. Y.
- MANUEL, LLOYD, P. O. Clerk, U. S. Post Office Department; res., 9 Bayside Ave., Newport, R. I.*
- MAPS, CHARLES E., Marble Engraver, 188 Walnut St., Yonkers, N. Y.; A Oct. 15, 1913
res., 175 Woodworth Ave., Yonkers, N. Y.*
- MARATTA, JAMES, Radio Operator, Naval Auxiliary Service; res., P. O. B. 113, Ellwood City, Pa.; U. S. S. "Brutus," care of Postmaster, New York City.*
- MARKET, JOHN C., Radio Instructor, Boston School of Telegraphy; A Oct. 13, 1913
18 Boylston St., Boston, Mass.; res., 162 Savin Hill Ave., Boston, Mass.
- MARKS, ELBERT LETCHER, Electrician (Radio), First Class, U. S. Navy; U. S. Naval Hospital, Portsmouth, Va.*
- MARQUIS, A. N., Jr., Machinist, Repair Shop, Westinghouse Electric; A Aug. 26, 1913
res., 618 Spring St., Seattle, Wash.*
- MARSANO, RONALD S., Radio Operator, Marconi Wireless Telegraph Co., Philadelphia, Pa.; res., 1522 Columbia Ave., Philadelphia, Pa.*
- MARSHALL, LEONARD H., Radio Operator, Marconi Wireless Telegraph Co.; res., 240 Westchester Ave., Port Chester, N. Y.*
- MARTHALER, NICHOLAS J., Radio Operator, Marconi Wireless Telegraph Co., Marshall, Marin County, Cal.; res., 428 Market St., Emporia, Kan.
- MARTIN, DELOSS K., Student, University of California; res., 1159 Harrison St., Oakland, Cal.*
- MAXIM, HIRAM PERCY, President, The Maxim Silencer Co., Hartford, Conn.; res., 550 Prospect Ave., Hartford, Conn.
- MAYER, ARTHUR W.; res., 7 Chestnut St., Jamaica Plain, Mass.*
- McCAA, D. GALEN, Research Engineer, McCaa Radio Research Laboratory, Lancaster, Pa.; res., 218 N. Duke St., Lancaster, Pa.*
- MCCOY, DANIEL, Student, Cornell University; res., 45 Lee Ave., Yonkers, N. Y.; 6 South Ave., Ithaca, N. Y.*
- McCREARY, ARTHUR R., McCreaty, Moore Co., 508 Hall Bldg., Kansas City, Mo.; res., 1407 E. 35th St., Kansas City, Mo.*
- McGALL, PHILIP K., Radio Experimenter; res., 311 Gregory Ave., West Orange, N. J.*
- McKEINNEY, CARLTON ARTHUR, Chief Radio Electrician, U. S. Naval Radio Station, North Head, Wash., via Ilwaco, Wash.*
- MCKENZIE, ALBERT DONALD, Test Laboratory Assistant, Marconi Wireless Telegraph Co. of America, Roselle Park, N. J.; res., 512 Clinton Ave., Brooklyn, N. Y.*
- McKERNAN, HENRY, Radio Operator, Marconi Wireless Telegraph Co., Baltimore, Md.*
- McKINNON, JOHN LAUGHLIN, Telegrapher (Radio), Federal Telegraph Co., 206 Mercantile Place, Los Angeles, Cal.; res., 3014 Blanchard St., Los Angeles, Cal.*
- McKNIGHT, W. ROSS, Assistant Advertising Manager, International Correspondence Schools, Scranton, Pa.; res., 1749 Jefferson Ave., Scranton, Pa.*
- MCLELLAN, ARCHIBALD, Engineer, Marconi Wireless Telegraph Co., Ltd., Marconi Trans-Atlantic Station, New Brunswick, N. J.; Marconi House, Strand, London, W. C., England.*
- MCQUADE, FRANK J., Radio Operator, Federal Telegraph Co.; res., Hilo, Oahu, Hawaii.*
- MCSOLEY, FRANK B., Engineer, Narragansett Electric Lighting Co.; res., 585 Cranston St., Providence, R. I.*
- McWHORTER, JESSE D., Chief Electrician, U. S. Navy, Puget Sound, Wash.; res., Box 616, Bremerton, Wash.*
- MEAD, JOHN CLAIR, Radio Operator, Alaska Steamship Co., Pier 2, Seattle, Wash.; res., 6264 Ellis Ave., Seattle, Wash.*
- MEEKER, CHESTER G., Secretary and Treasurer, Smith-Meeker Engineering Co., 123 Liberty St., New York City; res., 18 Ella St., Bloomfield, N. J.*
- MEISSNER, BENJ. F.; res., Huntingburg, Ind.; Purdue University, Lafayette, Ind.*
- MENERAII, H. J., Chief Radio Engineer, U. S. Navy; res., 1652 University Ave., New York City; care of Postmaster, New York, U. S. S. "Wyoming," A April 2, 1913
- MEYERS, EDWARD A., Telegraph Operator, Postal Telegraph Co.; res., 2079 Market St., San Francisco, Cal.*
- MILLER, ALFRED H., Patent Attorney; res., 6358 McCallum St., Germantown, Philadelphia, Pa.; 1120 Chestnut St., Philadelphia, Pa.*
- MILLER, THOMAS B., Vice-President and Technical Engineer, Wireless Instrument Co., 2123 1st Ave., S., Seattle, Wash.; res., 3009 21st Ave. W., Seattle, Wash.*
- MILES, BYRON H., Instructor, U. S. Army Radio School, Fort Monroe, Va.; res., P. O. Box 57, Fort Monroe, Va.*
- WILTS, OLIVER BURNHAM, Radio Operator, Federal Telegraph Co., Los Angeles, Cal.; res., 1627 Orange St., Los Angeles, Cal.*
- WRICK, CARLOS B., Vice-President, National Electrical Supply Co., Washington, D. C.; res., 1638 R St., N. W., Washington, D. C.; 110 New York Ave., N. W., Washington, D. C.*
- MONCLOU, JEAN, Navigating Officer, "Commerwyne," Royal Dutch West India Mail, Amsterdam, Holland; res., Nassau-Laen 5, Utrecht, Holland.*
- MONSCHAU, FELIX S., Operator, Marconi Wireless Telegraph Co. of America, Edison Bldg., New York City.*
- MONTGOMERY, W. S. R., Chief Radio Electrician, Naval Radio Station, St. Petersburg, Fla.; U. S. S. "Brooklyn," care of Postmaster, New York City.*
- MOORE, H. AUBERTON, Sales Agent for Radio Apparatus; res., 450 2nd Ave., Newark, N. J.*
- MOORE, E. B., Mechanical and Electrical Engineer, Jones & Lamson Machine Co., 17 Summer St., Springfield, Vt.*
- MOORE, ROBERT R., Mortgage Loans, 211 Commerce Bldg., Kansas City, Mo.; res., 200 E. Armour Blvd., Kansas City, Mo.*
- MORAN, LEON STEELE, Electrical Engineer, Electric Testing Department, Electric Cable Co., Bridgeport, Conn.; res., 347 Golden Hill St., Bridgeport, Conn.
- MORTCROFT, J. H., Prof., Assistant Professor Electrical Engineering, Columbia University, New York City.*
- MORGAN, ALFRED POWELL, Manufacturer, 15 Alvin Place; res., Broadhead Road, Montclair, N. J.*
- MORGAN, NEIL L., Shift Engineer, The Towers, Glace Bay, Nova Scotia, Canada.*
- MORRIS, W. C., Construction Engineer, Marconi Wireless Telegraph Co.; res., 926 S. 58th St., Philadelphia, Pa.*
- MORSE, GUY E., Student, University of Illinois; res., 1238 Harrison St., Kansas City, Mo.; 211 E. John St., Champaign, Ill.*
- MOTA, JOHN, Laboratory Assistant, Radio Telephone & Telegraph Co., New York City; res., 187 W. 135th St., New York City.*
- WOYER, SAMUEL G., Clerk, Bureau of Navigation, Department of Commerce, Washington, D. C.; res., George Washington Inn, Washington, D. C.*
- WUHR, JAMES B., Jr., Student, University of California; res., 539 38th St., Oakland, Cal.*
- WULLEN, JOSEPH GERALD, Chief Radio Electrician, U. S. Navy; res., 30 Arlington St., Leominster, Mass.; Box 52, Portsmouth, Va.*
- WULLEN, FRED, Radio Inspector, Tropical Radio Telegraph Co.; res., 17th Street, New York City.*
- WULLEN, JAMES WALTER, Assistant Receiving Engineer, Marconi Wireless Telegraph Co., Louisburg, Nova Scotia, Canada.*
- WULFINS, JAMES WHITWORTH, Electrician, First Class (Radio), U. S. Navy; U. S. Naval Radio Station, Balboa, Canal Zone, Panama.*
- WUNSON, JOHN ALBERT, Chief Electrician (Radio), U. S. Navy; res., 614 N. 17th St., Omaha, Neb.; U. S. S. "Helena," care of Postmaster, San Francisco, Cal.*
- WUTICK, DANIEL R. W., Treasurer, Wm. H. Murdoch Co., Chelsea, Mass.; res., 28 Baker Road, Everett, Mass.; 158 Carter St., Chelsea, Mass.*

*Denotes mailing address

As of 1915

- MURDOCK, JAMES M., Secretary, Wm. J. Murdock Co., Chelsea, Mass.; res., 33 Rutherford Ave., Charlestown, Mass.* A Dec. 16, 1915
- MURPHY, EUGENE B., Assistant Radio Engineer, Federal Telegraph Co., Hobart Bldg., San Francisco, Cal.; res., Burlingame, Calif.* A Oct. 15, 1915
- MURPHY, THOMAS L., Chief Electrician in charge Naval Radio Station, U. S. Navy; res., 310 Colonial Apartments, U. S. Naval Radio Station, Navy Yard, Washington, D. C.* A Jan. 20, 1915
- MURRAY, EUGENE M., Construction Engineer, Marconi Wireless Telegraph Co., 601 American Bldg., Baltimore, Md.* A Oct. 1, 1915
- MURRAY, STEPHEN A., Engineer's Clerk, Fifth Avenue Bldg., Co., New York City; res., 401 Manhattan Ave., New York City.* A July 1, 1915
- NALLY, EDWARD J., Vice-President and General Manager, Marconi Wireless Telegraph Co., 233 Broadway, New York City; res., Ossining, N. Y. A Nov. 1, 1915
- NAUGLE, PHILIP D., Radio Engineer, Kilbourne & Clark Manufacturing Co., 71 Columbia St., Seattle, Wash.; res., 115 Melrose St., Seattle, Wash. A Aug. 27, 1915
- NELSON, FRANCIS A., Wireless Operator, Marconi Wireless Telegraph Co., Miami Beach, Fla.; P. O. Box 123, Virginia Beach, Va.* A Sept. 27, 1915
- NELSON, N. O., Radio Instrument Maker and Installer, Kilbourne & Clark Manufacturing Co., 71 Columbia St., Seattle, Wash.; res., 1159 49th Ave., N., Seattle, Wash.* A Sept. 27, 1915
- NENNEBERG, ALEXIS A., Chief of the Radio Station, Russian Government; res., Kerby, Nikolajevsk, Primorsky, Russia; Okhotsk, Kamchatka, Russia.* A April 1, 1915
- NEWTON, EDWARD C.; res., 3175 E. 116th St., Cleveland, Ohio.* A July 1, 1915
- NICHOLIS, GEORGE WILLIAM, District Superintendent, Marconi Wireless Telegraph Co., Filene Bldg., Boston, Mass.; res., 9 Wolcott St., Malden, Mass.* A June 1, 1915
- NICKEL, FRED E., Radio Operator, Federal Telegraph Co., San Francisco, Calif.; res., Orlando, Calif.; Federal Telegraph Co., Merchants Exchange Bldg., San Francisco, Calif.* A Nov. 17, 1915
- NIELSEN, JAMES, Radio Electrician, U. S. Navy; res., 1513 Greene Ave., Brooklyn, N. Y.; U. S. Radio Station, Radio, Va.* A June 12, 1915
- NOLAN, EDWARD J., Student, Brown's Business College, Flatbush and Lafayette Aves., Brooklyn, N. Y.* A Jan. 1, 1915
- NOTTAGE, WILLIAM H., Radio Engineer, Marconi Wireless Telegraph Co., Ltd., Chelmsford, England; res., 29 London Road, Chelmsford, England.* A Feb. 1, 1915
- OGDEN, HERBERT G., Lawyer; res., Stamford, Conn.; 52 William St., New York City.* A May 22, 1915
- OGIG, GLEN ROY, Chief Radio Electrician, U. S. Navy, U. S. S. "North Carolina"; res., 3501 Cedar Ave., Minneapolis, Minn.* A Jan. 5, 1915
- OHILSON, OLOF, Mechanical Superintendent, Waltham Watch Co., Waltham, Mass.; res., 473 Crafts St., West Newton, Mass.* A May 2, 1915
- O'LEARY, JOHN PATRICK, Manager, Federal Telegraph Co., Phoenix, Ariz.; res., 314 N. 2nd Ave., Phoenix, Ariz.; Federal Telegraph Co., Hotel Adams, Phoenix, Ariz.* A Dec. 15, 1915
- O'NEILL, JOHN HUGH, Radio Operator (Poulsen System), Federal Telegraph Co., San Francisco, Calif.; res., 1613 47th Ave., San Francisco, Calif.* A June 17, 1915
- O'NIEL, DONALD H. C., Robert O'Neil Piano Co., St. Louis, Mo.; res., 5710 Bartner Ave., St. Louis, Mo.* A Jan. 5, 1915
- OSBORNE, HAROLD S., Engineering Department, American Telegraph & Telephone Co., 15 Dey St., New York City.* A Oct. 5, 1915
- OSGOOD, ENSIGN W. H., Radio Officer, U. S. Navy, U. S. S. "Eagle"; care of Postmaster, New York City; U. S. S. "Eagle."* A April 8, 1915
- OXNER, EDWIN K., Radio Operator, Marconi Wireless Telegraph Co., Boston, Mass.; res., 5 Oakman St., Dorchester, Mass.* A Mar. 12, 1915
- PACKMAN, M. E., Consulting Electrical and Radio Engineer, Dodge Institute of Telegraphy, Valparaiso, Ind.* A Dec. 1, 1915
- PAGE, NEWELL C., Assistant Professor of Physics, Massachusetts Institute of Technology; res., 28 Maxwell Road, Winchester, Mass.* A July 1, 1915
- PAINE, ROGER W., Ensign, Officer, U. S. Navy, U. S. S. "Patterson"; care of Postmaster, New York City; U. S. S. "Patterson."* A Aug. 11, 1915
- PARKER, C. R., Wireless Operator, Federal Telegraph Co., Hobart Bldg., San Francisco, Cal.* A Nov. 17, 1915
- PARROTT, JAMES ELMORE, Electrician, Third Class (Radio), U. S. Navy, Radio Station, Puget Sound, Wash.; Box 616, Bremerton, Wash.* A Nov. 17, 1915
- PASSANO, LEONARD WARD, Radio Operator, Marconi Wireless Telegraph Co., Port Arthur, Tex.; res., 2502 N. Charles St., Baltimore, Md.* A Dec. 15, 1915
- PAYSSE, ALEXIS A., Port Warden, City of Seattle; res., Hotel Burke, Seattle, Wash.; Pier 1, Seattle, Wash.* A Sept. 22, 1915
- PEARSON, HERBERT B., Hardwood Importer; res., 997 Sterling Place, Brooklyn, N. Y.* A Jan. 20, 1915
- PEARSON, ROLAND D., Supply Salesman, J. H. Pearson Co., St. White St., New York City; res., Branchville, N. J.* A Oct. 14, 1914
- PEDERSEN, MARTIN P., Radio Engineer, Poulsen System; res., Rødeholmsgade 22, Copenhagen, Denmark.* A June 3, 1915
- PEGRAM, GEORGE B., Ph.D., Professor of Physics, Columbia University, New York City.* A Nov. 17, 1915
- PEFFER, LAWRENCE JOSEPH, Chief Electrician (Radio), U. S. Navy, U. S. S. "Monterey," Olongapo, P. I.* A April 22, 1914
- PELHAM, FRED B., Shop Clerk, Ford Motor Co., Washington, D. C.; res., 103 Howard Place, N. W., Washington, D. C.* A Aug. 12, 1914
- PEMBER, HAROLD N., Student, Sales Agent, Radio Apparatus, Pratt Institute; res., 2 Cone St., Hartford, Conn.; 28 Clifton Place, Brooklyn, N. Y.* A July 1, 1915
- PENNYPACKER, THOS. R., Student, Harvard University; res., 12 Thayer Hall, Cambridge, Mass.; 6 Chauncy St., Cambridge, Mass.* A April 21, 1915
- PETERKIN, ERNEST P., Electrician (Radio), First Class, U. S. Navy; res., Radio Balboa, Radio, Balboa, Canal Zone, Panama.* A May 12, 1915
- PETERS, ALFRED E., Chief Electrician (Radio), U. S. Navy; U. S. Naval Radio Station, Olongapo, P. I.* A Aug. 12, 1914
- PETERS, JOHN W., Patent Attorney, 52 William St., New York City; res., Roslyn, L. I., N. Y.* A Feb. 10, 1915
- PETERSEN, SHELDON N., Sales Manager, Haller-Cunningham Electrical Co., San Francisco, Calif.; res., 1634 Fulton St., San Francisco, Calif.* A Jan. 5, 1915
- PETERSON, ARTHUR W., Radio Operator, Marconi Wireless Telegraph Co., San Francisco, Calif.; res., 119 Otsego Ave., Mission Terrace, San Francisco, Calif.* A Nov. 17, 1915
- PETERSON, C. EDWARD, Instructor, Radio Work, V. M. C. A. Radio School; res., 1008 Raleigh St., Portland, Ore.* A Dec. 15, 1915
- PETERSON, CHARLES WALLACE, Student, University of Washington; res., 2922 3rd Ave., W., Seattle, Wash.* A Dec. 15, 1915
- PETERSON, JOEL, Chief Draughtsman, Marconi Wireless Telegraph Co., Aldene, N. J.; res., 21 Manhattan Ave., New York City.* A Dec. 15, 1915
- PETIT, MORTLOCK S., Commission Merchant, Petit & Leed, 38 N. Moore St., New York City; res., Van Cortlandt Terrace, Yonkers, N. Y.* A May 12, 1915
- PHILBRICK, JOHN S., Shift Engineer, Marconi Wireless Telegraph Co., Bolinas, Calif.; res., 1530 La Loma Ave., Berkeley, Calif.* A Feb. 4, 1914
- PHINNEY, J. NELSON, Naval Radio Operator, Tuckerton Radio Station, Tuckerton, N. J.; res., Tuckerton, N. J.; Tuckerton Radio Station, Box 10, Tuckerton, N. J.* A Sept. 30, 1914
- PICKEN, WILLIAM J., Engineer, Marconi Wireless Telegraph Co., Marconi House, Strand, London, England.* A April 1, 1914
- PICKERILL, ELMO NEALE, Instructor, Marconi Wireless Telegraph Co., Woolworth Bldg., New York City; res., 218 W. 46th St., New York City.* A July 1, 1914
- PIERSON, WALTER, Relief Agent, Oakland, Antioch & Eastern Railroad; res., Walnut Creek, Contra Costa County, Calif.* A June 16, 1915
- PHILSBURY, EDWARD BUTLER, General Superintendent, Transoceanic Division, Marconi Wireless Telegraph Co., New York City; res., 313 E. 21st St., Brooklyn, N. Y.* A July 1, 1914
- PITTS, FRANCIS D., Instructing Engineer and Proprietor, Eastern Radio Institute, 809 Boylston St., Boston, Mass.; res., 40 Central St., Saxonville, Mass.* A Aug. 11, 1915

*Denotes mailing address †As of 1915

- POHL, J. A., Superintendent Gulf Division, Marconi Wireless Telegraph Co.; 529 St. Ann St., New Orleans, La.* A July 1, 1913
- PORTER, CHARLES P., Chief Radio Electrician, Radio Station, Key West, Fla.* A Oct. 28, 1913
- PORTER, RALPH H., Bank Clerk, Merchants National Bank, Salem, Mass.; res., 7 Home St., Beverly, Mass.* A Sept. 9, 1913
- POTTS, JEROME, Radio Operator, Tropical Radio Telegraph Co.; 17 Battery Place, New York City*; res., 148 Clinton Ave., Brooklyn, N. Y. A Aug. 12, 1913
- POWELL, EDWIN L., Topographic Draftsman, U. S. Geological Survey, Washington, D. C.; res., 908 Kennedy St., N. W., Washington, D. C.* A April 22, 1913
- POWER, HAROLD J., Special Student, Harvard Graduate School; P. O. Box 55, Tufts College, Mass.* A Mar. 31, 1913
- POWERS, WALTER PALMER, Electrical Engineer, National Electric Signaling Co., Bush Terminal, Brooklyn, N. Y.; res., 128 Linden Ave., Brooklyn, N. Y.* A Aug. 12, 1913
- PRASKA, ANTHONY, Gunner (Radio Duty), U. S. Navy; res., 1216 E. Capitol St., Washington, D. C.; U. S. Radio Station, Navy Yard, Washington, D. C.* A April 1, 1913
- PRATT, HARADEN, Radio Testing and Experimenting, Radio Laboratory, Mare Island, Cal.; res., 1510 Lombard St., San Francisco, Cal.* A April 1, 1913
- PRENDERGAST, ROBERT M., Experimenter, Goodchild Electrical Co., Inc.; 237 Greenwich St., New York City; res., Lincoln Ave., Hollis, N. Y.* A Dec. 30, 1913
- PRENTISS, JOSEPH A., Designing Engineer, American Radio & Research Corporation, Tufts College, Mass.; res., 206 Prospect St., Belmont, Mass.* A Sept. 30, 1913
- PRESTON, JOHN ERNEST; res., 859 Fulton St., Brooklyn, N. Y.* A July 1, 1913
- PRICE, H. S., Student, Princeton University, Tower Club, Princeton, N. J.; res., 435 Clinton Ave., Brooklyn, N. Y.* A Charter Member W.L. A Sept. 22, 1913
- PRIEBE, HENRY FRED, Electrician, Kent Water & Light Co., Kent, O.; res., 1312 Cedar St., Kent, O.* A June 3, 1913
- PURSELL, CLARENCE V., Secretary and Treasurer, Purcell Radio & Electric Co.; res., 1257 Morton St., Dorchester, Mass.* A Mar. 21, 1913
- RACAZA, VINCENT A., Student, Bliss Electrical School, Washington, D. C.; res., 92 Juan Luna, Cubo, P. L.* A Nov. 17, 1913
- RACKSTRAW, NORMAN CARTER, Engineer, Marconi Wireless Telegraph Co., Ltd., Marconi House, Strand, London, England; res., 19 Ravenscourt Park, London, W., England.* A Jan. 13, 1913
- RANDOW, ALBERT H., Operator, Marconi Wireless Telegraph Co.; res., 1913 Ryan St., Philadelphia, Pa.* A Charter Member W.L. A July 1, 1913
- RAU, ADOLPH H., Engineer in charge Trans-Pacific Stations, Marconi Wireless Telegraph Co.; Marconi Wireless Telegraph Co., Kahuku, Oahu, T. H.* A Oct. 13, 1913
- RAWSON, H. E., Manager, Rawson Ranches, Kuna, Idaho.* A June 16, 1913
- READ, HARRY, Fellow in Physics, University of North Dakota; res., 728 Chestnut St., Grand Forks, N. D.* A Feb. 10, 1913
- REAGAN, HARMON FRANKLIN, Radio Operator, Alaska Steamship Co.; res., Box 77, Richmond Beach, Wash.; care of C. B. Cooper, Alaska Steamship Co., Seattle, Wash.* A April 22, 1913
- REDE, G. ROSE, Radio Experimenter; res., 210 W. Madison St., Baltimore, Md.* A Nov. 17, 1913
- REDFERN, O. R., Manager and Inspector, Duluth Station, Marconi Wireless Telegraph Co., Duluth, Minn.; res., 10th St., and 9th Ave., W., Duluth, Minn.* A Feb. 10, 1913
- REEPEN, G. JULIUS, Student, Marconi Wireless Telegraph Co.; res., 2900 Broderick St., San Francisco, Cal.; care of William Gross & Co., 612 Howard St., San Francisco, Cal.* A April 21, 1913
- REVEREND, H. A., Manufacturer, Wireless X-ray Apparatus, 512 Hall Bldg., Kansas City, Mo.*; res., 2628 Agnes St., Kansas City, Mo. A Sept. 8, 1913
- REYNOLDS, BENJAMIN J., Chief Radio Electrician, U. S. Navy; res., 24 Carey St., Newport, R. I.; Naval Radio Station, Charleston, S.C.* A Nov. 17, 1913
- REYNOLDS, HARRY M., Radio Operator and Purser, S. S. "Nan Smith"; res., Marshfield, Ore.* A Sept. 8, 1913
- RIBLER, NATHANIEL J., Radio Operator, Marconi Wireless Telegraph Co.; Edison Bldg., New York City*; res., 531 E. 44th St., Bronx, New York City. A Oct. 13, 1913
- RICHARDS, THOS. S., Radio Experimenter; res., 606 E. 3rd St., Brooklyn, N. Y.* A June 3, 1913
- RICHARDSON, FRANCIS, Material Inspector, Pennsylvania Railroad Telegraph and Telephone Department, Philadelphia, Pa.; res., 135 S. Orange St., Media, Pa.; 1708 Wesley Ave., Ocean City, N. J.* A Mar. 10, 1913
- RICHARDSON, KENNETH, Manager, Radio Time Instrument Co.; P. O. Box 371, Erie, Pa.; res., 753 E. 7th St., Erie, Pa.; P. O. Box 180, Erie, Pa.* A Sept. 30, 1913
- RICHMOND, HAROLD B., Assistant Manager, General Vehicle Co.; Long Island City, N. Y.; res., 12 George St., Medford, Mass. A Oct. 15, 1913
- RIDGES, ROBERT V., Sub-Lieutenant, R. N. C. V. R., Department of Naval Service, Ottawa, Canada*; res., 183 Slater St., Ottawa, Canada. A Aug. 12, 1913
- RECKSIEK, WILLIAM H., Jr., Radio Operator, U. S. Navy, U. S. S. "Minnesota"; res., 1222 C St., S. W., Washington, D. C.* A Aug. 12, 1913
- RIEBER, FRANK, Physicist, Inventor, Rieber Laboratories; res., 15 Canyon Road, Berkeley, Cal.; P. O. Box 135, Berkeley, Cal.* A Feb. 10, 1913
- RIES, ELIAS E., Electrical and Mechanical Engineer and Inventor, 116 Nassau St., New York City.* A Aug. 12, 1913
- RIGGENS, GEORGE E., Electrician, Electrical School, Mare Island, Calif.; res., Joyce Apartments, 1658 Bush St., San Francisco, Calif. A June 16, 1913
- RINGGOLD, PAUL C., Stenographer, Marconi Wireless Telegraph Co.; res., 129 Clinton Ave., Brooklyn, N. Y.* A April 1, 1913
- RINKER, KENNETH N., Student (Special Preparatory); res., Dillwyn, Buckingham County, Va.* A Jan. 13, 1913
- ROBINSON, R. J., Electrical Draftsman, Navy Yard, Drafting Room, Mare Island, Vallejo, Cal.* A Jan. 1, 1913
- ROCKWELL, CLARENCE R., Gunner, U. S. Navy; U. S. Naval Radio Station, Chelsea, Mass.* A Nov. 17, 1913
- ROCKWELL, JOHN HOBART, Radio Officer, U. S. Navy; res., Wellsburg, N. Y.; U. S. S. "North Carolina," care of Postmaster, New York.* A Oct. 13, 1913
- ROCKWELL, ROBERT LEONARD, Head of Department of Electrical Engineering, Seattle Engineering School, 1st Ave., West and Roy Sts.; res., 161 Aloha St., Seattle, Wash.* A Sept. 30, 1913
- RODMAN, HAROLD LEE, Chief Operator Trans-Pacific Plant, Federal Telegraph Co., Heiau, Oahu, T. H.; via Honolulu*; res., Heiau, Oahu, T. H.; via Honolulu. A Sept. 8, 1913
- ROENTZ, CARL BERNARD, Wireman, Panama Canal, Canal Zone; res., 826 Michigan Ave., Sheboygan, Wis.* A Sept. 30, 1913
- ROGATSKY, CARL H., Radio Experimenter; res., 167 Worcester Ave., Pasadena, Cal.* A Jan. 13, 1913
- ROGERS, J. HANS, Experimenter; res., Hyattsville, Md.* A July 7, 1913
- ROSEBRUGH, THOMAS REEVE, Professor Electrical Engineering, University of Toronto, Toronto, Ont., Canada; res., 92 Walmer Road, Toronto, Ont., Canada. A Nov. 17, 1913
- ROTHENBERG, MERLE EDWIN, Electrician, First Class (Radio), U. S. Navy; Radio Station, Puget Sound; res., 1403 S. 5th St., Beatrice, Neb.; Box 616, Bremerton, Wash.* A Mar. 23, 1913
- ROUZYAHIN, GEORGE M., Chief Electrician (Radio), U. S. Navy, Radio Station, Sap Juan, P. R.; res., Parada 412, San Juan, P. R.; P. O. Box 788, San Juan, P. R.* A April 14, 1913
- RUSSELL, A. H. KEITH, Radio Operator, Naval Service of Canada, Newcastle, N. B., Canada; res., 333 Markham St., Toronto, Canada. A Feb. 4, 1913
- RUSSELL, EDGAR, Major, Signal Corps, U. S. Army, War Department, Honolulu, T. H.* A Oct. 13, 1913
- RUSSELL, STANLEY ROBERT, Radio Operator, Marconi Wireless Telegraph Co., Port Arthur, Tex.* A July 7, 1913
- RUSSELL, WILLIAM JAMES, Chief Electrician (Radio), U. S. Navy; res., Anostasia, Fla.; U. S. S. "Yankton," care of Postmaster, New York.*

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{As of 1915}

- RUST, NOEL MEYER, Wireless Engineer, Marconi Wireless Telegraph Co., Ltd., Letterfrack, County Galway, Ireland.* A July 7, 1914
- RYAN, FRED C., Student, Leland Stanford, Jr., University; 219 Addison St., Palo Alto, Cal.* A Nov. 3, 1914
- SABIN, GLENN C., Electrician, Western Union Telegraph Co., Northampton, Mass.; res., 178 Prospect St., Northampton, Mass. A July 1, 1914
- SABO, JOHN S., Inspector and Construction Man, Marconi Wireless Telegraph Co., San Francisco, Cal.; res., 126 Albian Ave., San Francisco, Cal.; Marconi Wireless Telegraph Co., Merchants Exchange Bldg., San Francisco, Cal.* A Mar. 29, 1914
- SACHS, HAROLD SAMUEL, Student; res., Hotel Leonori, New York City; 726 Sutter St., San Francisco, Cal.* A July 7, 1914
- SADENWATER, HARRY, Radio Inspector, U. S. Government; res., East Side Y. M. C. A., 153 E. 86th St., New York City; Custom House, New York City.* A April 17, 1914
- ST. JAMES, ROBERT T., Electrician, Mahaiwe Theatre, Great Barrington, Mass.; res., Great Barrington, Mass.* A May 22, 1914
- SALZGEBER, JOHN W., Clerk, Constock, Cheney & Co., Ivoryton, Conn.; res., Ivoryton, Conn.; Box 126, Ivoryton, Conn.* A Aug. 26, 1914
- SANTOS, ANTHONY SILVA, Engineer, Spray Engineering Co., 93 Federal St., Boston, Mass.*; res., 27 Ware St., Cambridge, Mass. A April 1, 1914
- SAWYER, ERNEST W., Canadian Manager, Universal Radio Syndicate, Newcastle, N. B., Canada.* A Nov. 11, 1914
- SAYRE, WILLIAM L., Radio Electrician, U. S. Navy, Tuckerton, N. J.; res., 3818 Spruce St., Philadelphia, Pa.; Tuckerton Radio Station, Tuckerton, N. J.* A Nov. 17, 1914
- SCANLIN, JOHN WALLACE, Chief Electrician, U. S. Navy; res., 710 Leonard St., Brooklyn, N. Y.; Naval Radio Station, Radio, Va.* A April 21, 1914
- SCHERMERHORN, J. L., Chief Engineer, American Transformer Co., Newark, N. J.* A Nov. 3, 1914
- SCHIANG, HERMAN, Clerk, Radio Service Department, Department of Commerce, Custom House, New York City; res., 1384 Bristol St., Bronx, New York City.* A Sept. 7, 1914
- SCHMIDT, G. AMBROSE, Watt-hour Meter Tester, Washington, D. C.; res., 1936 1st St., N. W., Washington, D. C.* A Jan. 21, 1914
- SCHNEIDER, WILLIAM P., Radio Operator, Marconi Wireless Telegraph Co., Marshalls, Cal.*; res., 2716 E. 22nd St., Oakland, Calif. A Jan. 5, 1914
- SCHRAM, JACK, Jr., Stationary Clerk, Tiffany & Co., New York City; res., 21 Locust St., Brooklyn, N. Y.* A June 3, 1914
- SCHUSS, WILLIAM, Radio Electrician, First Class, U. S. Navy; res., 317 York St., Jersey City, N. J.; U. S. Naval Radio Station, Norfolk, Va.* A April 14, 1914
- SCOTT, LEO L., Receiver, San Francisco-Oakland Terminal Railways, 22nd and Grove Sts., Oakland, Calif.; res., 1284 Howe St., Oakland, Calif.* A Jan. 13, 1914
- SEAMAN, ERNEST BACON, Telegrapher, 26 East Ave., Pawtucket, R. I.; res., 76 Park Place, Pawtucket, R. I.* A Mar. 10, 1914
- SECOR, H. W., Consulting Engineer, Electro Importing Co., 233 Fulton St., New York City; res., care of E. Ackerson, Ramsey, N. J.* A Nov. 1, 1914
- SEELEY, ARTHUR PLATT, Assistant Electrical Engineer, Winchester Repeating Arms Co., New Haven, Conn.; res., 55 Pearl St., New Haven, Conn.* A July 1, 1914
- SEIBERT, LAWRENCE W., Electrical Assistant, U. S. Signal Service, 39 Whitehall St., New York City*; res., 31 Benton St., Trenton, N. J. A April 15, 1914
- SEIBOLD, WILLIAM JOHN, Radio Operator, Marconi Wireless Telegraph Co., Port Arthur, Tex.*; res., 1821 E. Thayer St., Philadelphia, Pa. A Dec. 15, 1914
- SERVICE, CHARLES A., Jr., Student, University of Pennsylvania, 3337 Walnut St., Philadelphia, Pa.; res., Baldu, Pa.* A Nov. 17, 1914
- SHAEFFER, FRANCIS A., Radio Operator, Alaska Steamship Co., Pier 2, Seattle, Wash.*; res., San Telmo Apartments, Apartment 207, Seattle, Wash. A Sept. 8, 1914
- SHAW, GLEN EDWARD, First Operator, U. S. Navy, U. S. S. "Admiral Dewey"; res., 528 Pioneer Bldg., Seattle, Wash.* A Sept. 8, 1914
- SHECKLEN, GEORGE FREDERICK, Marconi Wireless Telegraph Co., Marshalls, Cal.*; res., 3513 Benner St., Philadelphia, Pa. A Dec. 15, 1914
- SHELBY, JOSEPH BRYAN, Sales Engineer, General Electric Co., 30 Church St., New York City*; res., 510 W. 123rd St., New York City. A Feb. 24, 1915
- SHEDDARD, HARRY S., Assistant Professor of Electrical Engineering, University of Michigan, 109 New Engineering Bldg., Ann Arbor, Mich.*; res., 1318 Wilmett St., Ann Arbor, Mich. A Dec. 30, 1914
- SHIRMAN, GEORGE C., Treasurer, St. Regis Paper Co.; res., 172 Ten Eyck St., Watertown, N. Y.* A Aug. 12, 1914
- SHORT, HERBERT M., Resident Inspector, Marconi International Marine Communication Co., Ltd., London, Eng.; res., 1161 44th St., Brooklyn, N. Y.; Marconi International Marine Communication Co., Ltd., Edison Bldg., Duane St., New York City.* A Sept. 9, 1914
- SINGER, S., Assistant Purchasing Agent, Marconi Wireless Telegraph Co., New York City; res., 2510 Grand Ave., Bronx, New York City. A Sept. 3, 1914
- SLAUGHTER, NUGENT H., Engineer in charge, High Power Station, Marconi Wireless Telegraph Co., Honolulu, T. H.; res., 418 Main St., Wallingford, Conn.* A Aug. 12, 1914
- SMITH, ARTHUR E., Radio Operator, Marconi Wireless Telegraph Co.; res., 305 E. 14th St., New York City.* A July 7, 1914
- SMITH, ARTHUR LEON, Head of Physics Department, Fargo High School; res., 508 11th St., S., Fargo, N. D.* A Dec. 15, 1914
- SMITH, ERANK D., President, Smith-Moeller Engineering Co., 123 Liberty St., New York City*; res., 511 Beeger St., Brooklyn, N. Y. A Mar. 24, 1914
- SMITH, MALCOLM H., Student, Massachusetts Institute of Technology; 4 Trowbridge Place, Cambridge, Mass.; res., 115 Prospect St., Gloucester, Mass.* A May 6, 1914
- SMITH, HARRIS E., Engineer, U. S. L. Athouse Service, Portsmouth, R. I.; res., 60 W. 16th St., New York City.* A Sept. 30, 1914
- SMITH, RALPH C.; res., 129 N. 13th St., East Orange, N. J.* A April 17, 1914
- SMITH, SIDNEY B., Assistant Engineer, Marconi Wireless Telegraph Co.; res., Coverdale, Gloucester Road, Bognor, Sussex, England.* A Jan. 21, 1914
- SMITH, SAMUEL THOMAS, Chief Electrician (Radio), U. S. Navy; res., care of O. P. Smith, Mexico, Me.* A Feb. 24, 1914
- SMYTHE, EDWIN H., Engineer and Patent Expert; res., Chicago, Ill.; 364 Monomoy Bldg., Chicago, Ill.* A Mar. 10, 1914
- SNYDER, WILLIAM ELSWORTH, Chief Electrician (Radio), U. S. Navy; res., care of Postmaster, New York.* A Mar. 31, 1914
- SNYDER, NATHANIEL M., Chief Engineer, Snyder Power & Grain Co.; res., Scottsbluff, Neb.; P. O. Box 218, Scottsbluff, Neb.* A Dec. 30, 1914
- SNYDER, NORMAN G., Student, Cornell University, Ithaca, N. Y.; res., 211 University Ave., Ithaca, N. Y.* A April 15, 1914
- SOUDER, LEON A., Radio Operator, Signal Corps, U. S. Army; U. S. Army Transport "Bulford," San Francisco, Cal.* A Dec. 15, 1914
- SPANGENBERG, LESTER, Mechanical Draftsman, American Locomotive Co., 30 Church St., New York City; res., 25 S. 4th St., Lake View, Passaic County, N. J.* A Jan. 22, 1914
- SPENCE, PAYTON W., Engineering Department, American Telegraph & Telephone Co., New York City; res., 203 Lenox Ave., New York City.* A Feb. 4, 1914
- SPOON, WILLIAM HOBART, Laboratory Assistant, Dodge Institute of Telegraphy, Valparaiso, Ind.*; res., 1701 Orman Ave., Pueblo, Colo. A Oct. 13, 1914
- SPRADO, HUGH RALPH, Radio Engineer, de Forest Radio Telegraph & Telephone Co.; res., 911 Grand St., Alameda, Cal.* A May 22, 1914
- SPRAGUE, CLARENCE A., Assistant Examiner, U. S. Patent Office, Washington, D. C.*; res., 3616 Newark St., Washington, D. C. A Sept. 30, 1914
- STANLEY, HOWARD L., Garage Manager; res., Babylon, L. I., N. Y.* A Nov. 5, 1913
- STANLEY, LYMAN ROBERTS, Treasurer, The Stanley Co., Swampscott, Mass.; res., 52 Burrill St., Swampscott, Mass.* A May 22, 1914
- STANLEY, J. JOSEPH, Assistant Manager, Radio Department, Manhattan Electric Supply Co., 17 Park Plaza, New York City; res., 5 Hampton Court Terrace, Jersey City, N. J.* A May 12, 1915
- STARWICK, CHARLES A., Electrical Engineer, Crocker-Wheeler Co., Aspinwall, N. J.; res., 419 Main St., Orange, N. J.* A Oct. 13, 1915

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†As of 1915

- STAPLETON, ARNOLD B., Engineer Draftsman, Marconi Wireless Telegraph Co., Ltd., Marconi Works, Chelmsford, Essex, England; res., Eppingdale, 131 Leytonstone Road, London, E., England; 44 Broomfield Road, Chelmsford, Essex, England.* A Nov. 17, 1914
- STEINER, CHARLES L., Student of Engineering, Columbia University; New York City; res., 506 Jackson Ave., Long Island City, N. Y.; 513 W. 113th St., New York City.* A May 6, 1915
- STEMPLE, WALDEMAR M., Expert Radio Aid, Brooklyn Navy Yard, U. S. Navy; res., 832 Washington Ave., Station B, Brooklyn, N. Y.* A April 14, 1915
- STEPHENS, EDWARD CARR, Radio Operator, Marconi Wireless Telegraph Co., Port Arthur, Tex.; res., 109 Lincoln St., Joliet, Ill.* A Dec. 15, 1914
- STERNS, MORTON WILLIAM, Marconi Wireless Telegraph Co., Roselle Park, N. J.; res., 705 W. 179th St., New York City; 10 Berwyn St., Roselle Park, N. J.* A Jan. 5, 1915
- STETSON, DONALD T., Student Electrical Engineering, University of Minnesota, P. O. Box F559; res., 2162 Carroll Ave., St. Paul, Minn.* A Sept. 30, 1914
- STEVENS, A. M., Radio Installation, Radio Office, Mate Island, Cal.; res., 926 Cowper St., Palo Alto, Cal.* A Nov. 3, 1915
- STEVENS, LOUIS WALDO, Student, Massachusetts Institute of Technology, Boston, Mass.; res., 394 Riverway, Boston, Mass.* A Dec. 15, 1914
- STEVENS, THOMAS M., Superintendent, Southern Division, Marconi Wireless Telegraph Co., American Bldg., Baltimore, Md.; res., Watertown, Mass.* A April 1, 1915
- STEVENSON, VAIL VAUGHN, Electrical Engineer, Postal Telegraph Co., San Francisco, Cal.* A Aug. 12, 1915
- STEWART, CHARLES H., Secretary; res., St. David's, Delaware, Pa.* A July 1, 1915
- STONE, CARRINGTON H., Tester, Commonwealth Edison Co., 28 N. Market St., Chicago, Ill.; res., 1142 E. 55th St., Chicago, Ill.* A July 8, 1915
- STONE, CLARENCE G., Jr., Student, Columbia University; res., 273 High Ave., Mount Vernon, N. Y.* A Dec. 16, 1914
- STONE, ELLERY W., Assistant Radio Inspector, Department of Commerce, San Francisco, Cal.; res., 317 Lee St., Oakland, Cal.* A April 22, 1915
- STONE, FRANK M., Student; res., 7049 Jeannette St., New Orleans, La.* A July 8, 1915
- STOTZ, CHARLES CARL, Radio Officer, U. S. Navy; res., 470 Evans Ave., El Reno, Okla.; U. S. Naval Radio Station, Key West, Fla.* A April 21, 1915
- STROEBEL, JOHN C., Jr., Radio Operator, Tropical Radio Telegraph Co., New Orleans, La.; res., Pleasant Valley, Wheeling, W. Va.* A Aug. 12, 1915
- STURDWANT, L. W., Operator, Marconi Wireless Telegraph Co., Marshall, Cal.* res., 401 King St., Ravenna, O. A Jan. 5, 1915
- STUTESMAN, JOHN HAL, Second Lieutenant of Infantry, U. S. Army, U. S. Navy; res., 68 E. 2nd St., Peru, Ind.; care of The Adjutant General, U. S. Army, Washington, D. C.* A April 21, 1915
- SUTTON, JAMES W., Chief Electrician (Radio), U. S. Navy; res., Tatoosh, Wash.; U. S. Radio Station, Tatoosh Island, Wash.* A Aug. 11, 1915
- SVENDSEN, MICHAEL, Operator, Marconi Wireless Telegraph Co., Marshall, Cal.* A Dec. 17, 1915
- SWIGART, CHARLES C., Radio Telegrapher, U. S. Navy; res., Bremerton, Wash.; U. S. Naval Radio Station, Bremerton, Wash.* A Sept. 3, 1915
- TABER, WM. T., Tester, Marconi Wireless Telegraph Co., Montclair, N. J.; res., 763 Bloomfield Ave., Montclair, N. J.* A Dec. 17, 1915
- TALLMAN, FRANK G., Jr., Student, Cornell University, Ithaca, N. Y.; res., 1102 Broome St., Ithaca, N. Y.; Elmhurst, Ithaca, N. Y.* A Aug. 12, 1915
- TAUSSIG, CHAS. WM., Chemical Assistant, American Molasses Co.; res., 36 W. 55th St., New York City.* A Feb. 4, 1915
- TAYLOR, JAMES B., Captain Coast Artillery Corps, U. S. Army, Fort Monroe, Va.; Director, Coast Artillery School, Fort Monroe, Va. A June 1, 1915
- TERRELL, W. D., Radio Inspector, Department of Commerce, Washington, D. C.* res., Livingstone Heights, Va.; R. F. D. 4, Washington, D. C.* A Dec. 30, 1915
- THOMAS, ALFRED, Jr., Manager, Chicago Station, Marconi Wireless Telegraph Co., Congress Hotel, Chicago, Ill.; res., 2105 Clifton Park Ave., Chicago, Ill.* A Oct. 15, 1915
- THOMPSON, EDWARD WILLIAM, Chief Electrician, U. S. Navy, Radio Station, Chelsea, Mass.* res., 671 Beach St., Revere, Mass. A Oct. 15, 1915
- THOMPSON, JOHN HENRY, Radio Engineer, Department of Naval Service, Radiotelegraph Branch, Ottawa, Canada*; res., 107 Gladys St., Toronto, Ont., Canada. A Jan. 5, 1915
- THOMPSON, VANCE, Student, Memphis University School; res., 27 Pasadena Place, Memphis, Tenn.* A April 22, 1915
- HERNEY, THOMAS A., Radio Operator, Senior, Marconi Wireless Telegraph Co., Edison Bldg., New York City; res., 1911 Ritner St., Philadelphia, Pa.* A Oct. 13, 1915
- TODD, STEDMAN E., Student, University of California; res., 415 Hillside Court, Piedmont, Calif.* A Jan. 20, 1915
- TOWNSEND, PERCY J., Construction Engineer, Marconi Wireless Telegraph Co., East San Pedro, Calif.; res., 271 5th St., San Pedro, Calif., Box 67, East San Pedro, Calif.* A Mar. 10, 1915
- TOWNSEND, T. LINCOLN, Vice-President, National Electric Supply Co., 1330 New York Ave., Washington, D. C.* A Feb. 18, 1915
- TRALTON, HAROLD A., Apparatus Work, N. J. Neill; res., 39 Hanover St., Dorchester, Mass.* A Aug. 12, 1915
- TRINOR, ALBERT D., Engineer, Hammond Radio Research Laboratory, Gloucester, Mass.; res., 146 Central Park West, New York City.* A April 1, 1915
- TRIGGER, RAYMOND, Student, College of the City of New York, New York City; res., 813 6th Ave., New York City.* A Jan. 5, 1915
- TRILLING, DAVID MORRIS, Chief Electrician, U. S. Navy, Tucker, N. J.; res., 1125 Arctic Ave., Atlantic City, N. J.; U. S. Naval Radio Station, Tuckerton, N. J.* A Oct. 13, 1915
- TRÖGNER, ARTHUR M., Engineering Draftsman, Room 910, Merchant Bldg.; res., 46 Q St., N. E., Washington, D. C.* A April 1, 1915
- TRUESELL, KARL, Lieutenant, Signal Corps, U. S. Army; res., 25th Infantry, Schofield Barracks, H. I.* A June 12, 1915
- TURNER, H. M., Instructor, Electrical Engineering, University of Minnesota, Minneapolis, Minn.; res., 749 Lake St., St. Paul, Minn. A May 6, 1915
- USKA, CLARENCE D., Student, Trinity College, and Secretary, American Radio Relay League; res., 136 Oakland Terrace, Hartford, Conn.* A July 1, 1915
- UNDERHILL, CHARLES R., Chief Electrical Engineer, Aenee Wire Co., New Haven, Conn.; res., 81 Stanley St., New Haven, Conn.* A April 8, 1915
- UPTON, HARRY E., Plant Department, New England Telephone & Telegraph Co., 15 Forest Ave., Portland, Me.; res., 21 Roosevelt Ave., Woodfords, Me. A July 16, 1915
- VANDERPOEL, FLOYD L., Manufacturer of Radio Apparatus; res., Charter Member, Westfield, Conn.; Bantam, Conn.* A Charter Member, W. I.
- VAN DYKE, ARTHUR E., Instructor in Electrical Engineering, Carnegie Institute of Technology, Pittsburgh, Pa.; res., 1137 Murray Hill Ave., Pittsburgh, Pa.* A Charter Member, S. W. T. E.
- VAN DYKE, KARL S., Student, Wesleyan University; res., 310 William St., Middletown, Conn.* A Nov. 17, 1915
- VAN HORN, JAY C., Secretary, Treasurer and Instructor, Philadelphia School of Wireless Telegraphy, Parkway Bldg., Philadelphia, Pa.; res., 5127 Arch St., Philadelphia, Pa.* A Oct. 13, 1915
- VAN NOSTRAND, WALTER, Jr., Clerk, U. S. Radio Service; res., Bureau of Navigation, Washington, D. C.* A April 14, 1915
- VAN OLINDA, OLIVER S., Electrical Supplies and Contracting; res., Nashon, King County, Wash.* A Feb. 24, 1915
- VOGEL, PHILIP J., Chief Radio Operator, American Hawaiian Steamship Co., 8 Bridge St., New York City; res., Palisade Blvd., Palisades Park, N. J.; American Hawaiian Steamship Co., Room 719, 8 Bridge St., New York City.* A Sept. 9, 1915
- WAGGONER, C. W., Professor of Physics, West Virginia University, Morgantown, W. Va.; res., 727 N. Front St., Morgantown, W. Va.* A May 22, 1915
- WALLER, GEORGE J., Draftsman, Marconi Wireless Telegraph Co., 43 Broadway, New York City; res., 204 Norman St., Evergreen, L. I., N. Y.* A Oct. 13, 1915
- WALLS, ARTHUR E., Operating and Research Departments, National Electrical Signaling Co., 67 35th St., Brooklyn, N. Y.* A June 1, 1915

*Denotes mailing address

†As of 1915

- WARD, HAROLD FRASER, Radio Operator, Marconi Wireless Telegraph Co., New York City; res., 913 E. 12th St., Brooklyn, N. Y.* A Dec. 15, 1915
- WARD, J. HERBERT, Teacher, Head of Science Department, Classical High School, Providence, R. I.; res., 85 Niagara St., Providence, R. I.* A Nov. 17, 1915
- WARD, THOMAS GEORGE, Radio Telegraphist, Russian American Line; res., Bassett Hotel, Southampton, England.* A May 12, 1915
- WASHINGTON, BOWDEN, Radio Engineer, Crut Laboratory, Harvard University, Cambridge, Mass.; res., 11 Everett St., Cambridge, Mass.* A April 1, 1915
- WATKINS, JAMES O., Engineer, Federal Telegraph Co., Room 810 Hobart Bldg., San Francisco, Cal.*; res., 971 Mission Sta. San Francisco, Cal. A July 8, 1914
- WATROUS, RALPH C., Real Estate Broker, 49 Westminster St.; res., 20 Diman Place, Providence, R. I.* A Oct. 15, 1915
- WATSON, ARTHUR EUGENE, Assistant Professor of Electrical Engineering, Brown University, Providence, R. I.; res., 30 Congdon St., Providence, R. I.* A Oct. 13, 1915
- WATSON, CLIFTON H., Radio Engineer, Condit Plant, Northwestern Electric Co., Underwood, Wash.* A Aug. 26, 1915
- WATTS, F. J., Radio Engineer, University of Michigan, Ann Arbor, Mich.; res., 1755 Mansfield St., Port Huron, Mich.* A Sept. 9, 1914
- WATTS, JOSEPH H., Chief Electrician, U. S. Navy; res., 7 A. X. P., "X"; Guatemala Radio Station, Guatemala City, C. A.* A Sept. 9, 1914
- WAY, DONALD D., Student, Massachusetts Institute of Technology, Boston, Mass.; res., 21 Clarendon Ave., New York City; 291 Harvard St., Brooklyn, Mass.* A Aug. 26, 1914
- WEINBERGER, JULIUS, Assistant, Radio-Telegraphic Laboratory, U. S. Bureau of Standards, Washington, D. C.*; res., 214 E. 4th St., New York City. A Feb. 14, 1915
- WEISS, JACOB, Organist, Radio Experimenter; res., 5 Adams St., Port Washington, L. I., N. Y.* A July 4, 1915
- WESCOE, MORRIS L., Testing Department, American Telegraph & Telephone Co., New York City; res., 2549 Decatur Ave., New York City.* A Feb. 4, 1915
- WHEELER, WALTER GRANT, Radio Electrician, U. S. Navy, Boston Navy Yard; res., 21 Haviland St., Boston, Mass.* A April 21, 1915
- WHITE, RICHARD HERBERT, Engineer in charge, Marconi Wireless Telegraph Co.; res., Hilderstone, St. Peters, Broadstairs, England; Marconi Works, Chelmsford, England.* A Nov. 17, 1915
- WHITE, WARREN E., Electrical Draftsman, U. S. Navy, Navy Yard, Puget Sound; res., Manette, Wash.* A Mar. 31, 1915
- WHITE, WILLIAM C., Assistant in Research Laboratory, General Electric Co., Schenectady, N. Y.; res., 32 Rugby Road, Schenectady, N. Y.; Research Laboratory, General Electric Co., Schenectady, N. Y.* A Mar. 31, 1915
- WHITED, EVEREST A., Chief Electrician (Radio), U. S. Navy; U. S. Naval Radio Station, Key West, Fla.* A Feb. 10, 1915
- WHITING, DONALD E., Engineering Department, Marconi Wireless Telegraph Co.; res., 10 Berwyn St., Roselle Park, N. J.* A July 28, 1915
- WIEGAND, LEWIS F., Radio Engineer, C. B. & R. R. R.; res., 809 Wells St., Apartment 6, Chicago, Ill.* A Dec. 16, 1914
- WILKINS, GEORGE COURT, Radio Operator; res., 249 W. 4th St., Marysville, O.* A Oct. 13, 1915
- WILLIAMS, HUGH E., Radio Operator, Marconi Wireless Telegraph Co., Box 491, Eureka, Cal.*; res., Belmont, Cal. A Jan. 5, 1915
- WILLIS, SIDNEY JOHN, Assistant Engineer, Marconi Wireless Telegraph Co., Ltd.; res., 11 Broomfield Road, Chelmsford, England.* A Jan. 27, 1915
- WILSON, RUFUS E., Electrician, Radio, Naval Auxiliary Service, U. S. Navy; res., Expo, Norfolk County, Va.; U. S. S. "Mars," care of Postmaster, New York.* A Aug. 11, 1915
- WILTSE, GEORGE V., First Class Operator, Alaska Steamship Co., Pier 2, Seattle, Wash.; res., 7006 6th Ave., N. E., Seattle, Wash. A Sept. 22, 1915
- WINDSOR, CHARLES CLIFFORD, Lieutenant, U. S. Navy; res., care of Navy Department, Washington, D. C.; Radio Station, Sayville, L. I., N. Y.* A Mar. 24, 1915
- WINSOR, THOS. W., Expert Electrical Aid, Navy Yard, Puget Sound; res., 1218 Washington Ave., Bremerton, Wash.* A Dec. 16, 1914
- WINTERBOTTOM, WILLIAM A., Commercial Manager, Marconi Telegraph Cable Co.; res., 5422 1st Ave., Brooklyn, N. Y. A Mar. 24, 1915
- WISHAAR, WM. P., Second Lieutenant, U. S. Coast Guard, Coast Guards, Wilmington, Del.; care of U. S. Coast Guard "Seminole."* A Sept. 9, 1914
- WILLYER, MARTIN M., Peerless Motor Car Co., 660 Beacon St., Boston, Mass.; res., 169 Lexington St., Auburndale, Mass.* A April 21, 1915
- WOLFE, A. R., Chief Radio Electrician, U. S. Navy, Naval Radio Station, Beaufort, N. C.; res., Ann and Crayin Sts., Beaufort, N. C. A Sept. 3, 1913
- WOODCOCK, NORMAN A., Radio Operator; S. S. "Rescue," Grovers Wharf, Norfolk, Va.* A July 8, 1914
- WOODHULL, S. TRUBEE, Tester, Marconi Wireless Telegraph Co. of America; res., 10 Locust St., Roselle Park, N. J.* A Jan. 20, 1915
- WOODFORD, RICHARD P., Radio Operator, Marconi Wireless Telegraph Co., Marshall, Cal.*; res., 1118 1st St., Brooklyn, N. Y.* A Dec. 15, 1915
- WOODROW, WILLIAM, Electrician, United Electric Light & Power Co., New York City; res., 224 W. 140th St., New York City.* A Jan. 20, 1915
- WOODWARD, RAYMOND W., Laboratory Assistant, Bureau of Standards, Washington, D. C.; res., 2917 13th St., N. W., Washington, D. C.* A May 22, 1914
- WOODWORTH, E. B., Lieutenant, U. S. Navy, U. S. S. "Cleveland"; care of Postmaster, San Francisco, Cal.; U. S. S. "Cleveland."* A Feb. 11, 1913
- WORRALL, JOSEPH ALLEN, Radio Operator, Marconi Wireless Telegraph Co.; res., 163 Logan St., Brooklyn, N. Y.* A Mar. 12, 1913
- WRIGHT, GEO. B., U. S. Navy; care of Postmaster, San Francisco, U. S. S. "Denver."* A Dec. 15, 1915
- WRIGHT, MARSHALL C., Chief Operator, Radio Station, New York; res., 509 West End Ave., New York City.* A April 1, 1914
- WYBLE, J. F., Construction Engineer, Marconi Wireless Telegraph Co.; res., 2743 Harlem Ave., Baltimore, Md.* A May 22, 1914
- YOUNG, ALBERT L., Student, Iowa State College; res., 141 Highland Ave., Ames, Iowa.* A June 3, 1912
- YOUNG, DAVID ROLAND, Chief Radio Electrician, U. S. Navy; care of Postmaster, New York.* A Mar. 24, 1915
- ZHAMANS, HAROLD R., General Counsel, Attorney at Law, 42 Broadway, New York City.* A July 1, 1914
- ZIMMERMAN, HERMAN, Jr., Radio Operator, Tropical Radio Telegraph Co., New York City; res., 316 E. 139th St., New York City.* A April 22, 1914
- ZINSZER, HARVEY A., Telephone Inspector, Consolidated Telegraph Co.; res., 920 S. 6th St., Allentown, Pa.* A Nov. 4, 1912
- ZWICKER, ASHLY C., Installer, Clapp, Eastham Co., Boston, Mass.; res., 6 Olive Ave., Somerville, Mass.*

*Denotes mailing address

†As of 1915

*Denotes mailing address

LIST OF JUNIORS

Listed Alphabetically

ARLINGTON, ARTHUR P., Radio Operator, C. A. C., U. S. Army; J. Mar. 23, 1915 Fort Crockett Radio Station, Galveston, Tex.*			
ASTER, ALVIN K., Student, University of California; res., 910 Chestnut St., Alameda, Cal.*	J. Nov. 1, 1915		
AUSTRIAN, RALPH B., Accountant, Harris Suspender Co., 694 Brogelway, New York City; res., 49 St. Nicholas Terrace, New York City.*	J. April 13, 1915		
AZOY, GEOFFREY V., Student, Carteret Academy, Orange, N. J.; J. April 13, 1915 res., 28 South Maple Ave., East Orange, N. J.*	J. Dec. 17, 1915		
BAILEY, CECHL, Radio Operator, Marconi Wireless Telegraph Co., J. Dec. 17, 1915 Merchants Exchange Building, San Francisco, Cal.; res., R. F. D. No. 18, Box 111, Los Altos, Cal.	J. Sept. 8, 1915		
BEALS, CHARLES W., Superintendent of Radio Service, Detroit & Cleveland Navigation Co.; res., 291 Northwestern Ave., Detroit, Mich.*	J. Dec. 30, 1915		
BENNETT, LAWRENCE S., Student, Everett High School; res., 2 Lawrence St., Everett, Mass.*	J. Jan. 10, 1915		
BILGER, ANSON S., Secretary, Paymaster and Time-keeper, Oakland Paving Co., Oakland, Cal.; res., 407 Vernon St., Oakland, Cal.*	J. Sept. 8, 1915		
BOLTON, HAROLD, Student; res., 4300 Judah St., San Francisco, Cal.*	J. Dec. 19, 1915		
BOURNE, R. BARDEAN, Student, Rensselaer Polytechnic Institute, Troy, N. Y.; res., 2209 16th St., Troy, N. Y.*	J. Dec. 15, 1915		
BRAY, J. HUDSON, Student; res., South Lincoln, Mass.*	J. Dec. 15, 1915		
BRENNER, ALEXANDER, Electrician, Second Class, U. S. S. "Seneca," C. G.; res., 903 Westchester Ave., New York City; U. S. S. "Seneca," care of Postmaster, New York.	J. Dec. 15, 1915		
BURCKETT, MAXWELL K., Radio Engineer, American Insurance Building, 70 Park Place, Newark, N. J.; res., 30 Fairfield Ave., Montclair, N. J.	J. Oct. 14, 1915		
CASON, PAUL BYRON, Radio Operator; res., 112 N. Lowne Ave., Pomona, Cal.*	J. Dec. 16, 1915		
COHEN, HYMAN E., Chief Radio Operator, S. S. "Gulfoil," Marconi Wireless Telegraph Co., Marconi Station, Port Arthur; res., 309 E. 8th St., New York City; care of Marconi Wireless Telegraph Co., 29 Cliff St., New York City.*	J. Nov. 11, 1915		
DEAN, SAMUEL WINTHROP, Radio Operator; res., 4 Elliot Road, Lexington, Mass.*	J. Nov. 11, 1915		
DICKEY, EDWARD T., Student, College of the City of New York; res., J. Jan. 20, 1915 1649 Amsterdam Ave., New York City.*	J. Feb. 23, 1915		
DIEHL, FRED, Student, Marconi Wireless Telegraph Co.; res., 120 Clarendon St., San Francisco, Cal.*	J. Sept. 22, 1915		
DREHER, CARL, Student, College of the City of New York; res., 1018 Forest Ave., New York City.*	J. Nov. 17, 1915		
DOSS, BERTIE DELBERT, Electrician, Radio, Third Class, U. S. Navy; res., Ringgold, Tex.; U. S. S. "New Hampshire," care of Postmaster, New York.*	J. Oct. 15, 1915		
ECHLIN, JOHN E., Radio Operator, Marconi Wireless Telegraph Co.; res., 460 Vernon St., Oakland, Cal.*	J. Feb. 23, 1915		
FARRINGTON, BRUCE BARTON, Student, Marconi Wireless Telegraph Co.; res., 1117 Morton St., Alameda, Cal.	J. May 26, 1915		
FENNER, PAUL R., Student, University of California; res., 1338 Masonic Ave., San Francisco, Cal.*	J. Dec. 15, 1915		
HIBIAN, WILLIAM SHANNON, Assistant Electrician, Ferreira Machine Co., Bridgeton, N. J.; res., 313 East Commerce St., Bridgeton, N. J.*	J. Nov. 17, 1915		
FOGG, ROBERT STEVENS, Automobile Dealer, Radio Instructor and Designer, Winchester Auto Co., Winchester, Mass.; res., Highland Ave., Winchester, Mass.	Sept. 8, 1915		
FRID, JOSEPH DAVID, Student, College of the City of New York, J. Jan. 13, 1915 New York City; res., 431 E. 111st St., Bronx, New York City.*	J. Oct. 13, 1915		
GOEBEL, EUGENE S., Amateur; res., 1601 Columbia Ave., Philadelphia, Pa.*	J. Dec. 15, 1915		
GRAHAM, LLOYD EDGAR, Student, Leland Stanford, Jr. University, Stanford, Calif.; res., 930 Scott St., Palo Alto, Calif.*	J. Dec. 15, 1915		
GREGG, JOHN WHITTIER, Student, University of Washington; res., 707 14th Ave., S., Seattle, Wash.; 5011 14th Ave., N. E., Seattle, Wash.*	J. Dec. 15, 1915		
HADDEN, WESTON, Student, Polytechnic Preparatory School; res., 1736 Albemarle Road, Brooklyn, N. Y.*	J. Dec. 15, 1915		
HANSON, MARION G., Student, Polytechnic College of Engineering, Oakland, Calif.; res., 1220 13th Ave., Oakland, Calif.*	May 26, 1915		
HAYES, RALPH SEVERSON, Student, Dartmouth College, 47 New Hampshire Hall, Hanover, N. H.; res., 7139 Devon St., Mount Airy, Philadelphia, Pa.	J. Oct. 13, 1915		
HAYWARD, EARL BENJAMIN, Radio Operator, Marconi Wireless Telegraph Co., Port Arthur, Tex.; res., 113 Van Auden St., Astoria, N. Y.	J. Nov. 17, 1915		
HOERNEL, PAUL CHRISTOPHER, Student, Harvard University; res., Box 116, Babylon, L. I., New York.*	J. Dec. 15, 1915		
HOOPES, THOMAS TEMPLE, Student, Harvard University; res., 13 High St., Newburyport, Mass.*	J. June 16, 1915		
HYDE, GEORGE G., Student, Stevens Institute of Technology, Hoboken, N. J.; res., Roslyn, L. I., N. Y.*	J. May 12, 1915		
KAYSER, HERBERT, Student, College of the City of New York; res., 31 Convent Ave., New York City.*	J. Sept. 22, 1915		
KING, CARL, Student, University of California; res., Wing Point, Winslow, Wash.; 2125 Virginia St., Berkeley, Calif.*	J. May 12, 1915		
KOHLMAYER, GEORGE THIEL, Salesman, 1011 3rd Ave., New York City; res., 202 E. 60th St., New York City.*	J. Nov. 17, 1915		
KOTLER, CARL FREDERIC, Student in Electrical Engineering, University of Wisconsin; res., 1035 Second St., Milwaukee, Wis.; 10th University Ave., Madison, Wis.*	J. Feb. 10, 1915		
LILLEMERY H. L., Student, University of Washington; res., 1625 E. Madison St., Seattle, Wash.*	J. Jan. 20, 1915		
MANN, SAMUEL, Student, Stevens Institute; res., 120 W. 4th St., Flushing, N. J.*	J. Sept. 22, 1915		
WANNING, PAUL HALLOCK, Radio Operator, National Electric Signaling Co.; res., 92 Kaplan Ave., Jamaica, N. Y.; Str. "Commonwealth," Pier 14, N. R., New York City.*	J. Sept. 8, 1915		
MARKHAM, LESTER M., Laboratory Work, Radio Apparatus Co. of America, 1003 Parkway Building, Philadelphia, Pa.; res., 5108 Baltimore Ave., Philadelphia, Pa.*	J. Oct. 13, 1915		
MCGOWAN, DUDLEY BROOKE, Student in Electrical Engineering, University of California, Berkeley, Calif.; res., 1247 47th Ave., San Francisco, Calif.*	J. Jan. 20, 1915		
WILLER, KELLY, Jr., Experimenter; res., 130 College St., N. W., Washington, D. C.*	J. Oct. 13, 1915		
WILLIS, PETER JAMES, Student, Drexel Institute, Philadelphia, Pa.; res., 5739 Baltimore Ave., Philadelphia, Pa.*	J. Nov. 11, 1915		
WORRIS, ROBERT T., Student, Stevens Institute of Technology, Hoboken, N. J.; res., 119 W. 88th St., New York City.*	J. Aug. 11, 1915		
MUNROE, HENRY TAYLOR, Engineering Department, American Radio Research Corporation, Tufts College, Medford, Mass.; res., 38 Beacon St., Everett, Mass.*	J. Feb. 24, 1915		
WADDELL, DUDLEY BOWELS, Student, College of Engineering; res., 176 Highland Ave., Winchester, Mass.; 1139 Laura St., Pasadena, Calif.*	J. Dec. 15, 1915		

*Denotes mailing address

NICKERSON, EDGAR WATSON, Student, Boston Y. M. C. A., Co- J Oct. 13, 1913
 operative Engineering School; res., 16 Atlantic Ave., Beverly,
 Mass.*
 NORTON, EDWARD L., Student, High School; res., 26 Grove St., J Oct. 13, 1913
 Rockland, Me.*
 PERRY, IRVING DAVIDSON, Switchboard Helper, Public Service J Dec. 15, 1913
 Electric Co.; res., 68 N. Parkway, East Orange, N. J.*
 PRESCOTT, HENRY B., Student, Phillips Exeter Academy; res., Main J Jan. 15, 1915
 St., Station, Franklin, N. H.*
 REESE, MERLE M., Private Research Work; res., 298 S. 12th St., San J Nov. 11, 1914
 Jose, Cal.*
 REILLY, LEO T. C., Student, Philadelphia School of Wireless Tele- J Jan. 27, 1915
 graphy, Philadelphia, Pa.; res., 3859 N. 7th St., Philadelphia, Pa.*
 RICE, STANLEY, Student, University of Pennsylvania; res., 1725 N. J May 12, 1915
 42nd St., Philadelphia, Pa.*
 ROBERTS, HAYDN P., Student, Case School of Applied Science, Cleve- J Jan. 5, 1915
 land, O.; res., 11215 Clifton Boulevard, Cleveland, O.*
 RYAN, FRANCIS M., Student, University of Washington; res., 4524 J Dec. 16, 1914
 17th Ave., N. E., Seattle, Wash.*
 RYBERG, ROY EMERY, Student; res., 525 Federal Ave., Seattle, J Dec. 15, 1915
 Wash.*
 SANDALLS, GEORGE T., Jr., Student, Columbia University, New J Mar. 24, 1915
 York City; res., 2028 Creston Ave., New York City.*
 SOMMER, EMITT H., Assistant Engineer, Edison Lamp Works, Har- J Nov. 11, 1915
 rison, N. J.; res., 317 Clifton Ave., Newark, N. J.*
 SPARROW, WILLIAM THOMAS, Wireless Instrument Co., 2423 1st J Aug. 11, 1915
 Ave., S., Seattle, Wash.; res., 932 W. 63rd St., Seattle, Wash.*
 TERRY, HALSTEAD COLEMAN, Student, Dodge Institute of Teleg- J Dec. 15, 1915
 raphy, Valparaiso, Ind.*; res., Lowell, Wis.
 TOLMIE, J. R., Student, University of Washington; res., 1213 Columbia J Nov. 17, 1915
 St., Seattle, Wash.*
 TUNSTALL, ALBERT REESE, Electrician, Coffield Motor Washer Co., J May 26, 1915
 Pittsburgh, Pa.; res., 7914 Tacoma St., Pittsburgh, Pa.*
 VICK, CLIFFORD W., Student, High School; res., 218 W. 15th Ave., J Nov. 17, 1915
 Houston, Tex.*
 VLIET, ELVIN C., Student and Secretary and Treasurer of "Electric J Dec. 16, 1914
 Club," Shortridge High School; res., 2028 Broadway, Indianapolis,
 Ind.*
 WALKER, WINTER BRISLEY, Testing Department, Marconi Wireless J Dec. 15, 1915
 Telegraph Co., Aldene, N. J.; res., 26 Nepperhan Road, Tarrytown,
 N. Y.; 134 Second Ave., Roselle, N. J.*
 WICKERSHAM, HARRY HORTON, Student, University of California, J Oct. 13, 1915
 Berkeley, Cal.; res., 149 San Carlos Ave., San Francisco, Cal.*
 WILLIAMS, CHARLES E., Draftsman; res., 8326 13th Ave., N. W., J Dec. 15, 1915
 Seattle, Wash.*
 WING, WILLIS KINGSLEY, Student, Scott High School; res., 938 J Dec. 15, 1915
 Grand Ave., Toledo, O.*
 WINSER, LINDLEY, Radio Operator, Marconi Wireless Telegraph Co., J Mar. 10, 1915
 San Francisco, Cal.; res., 200 22nd St., Bakersfield, Cal.*

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†As of 1915

Mail addressed to the following members of the Institute, has been returned as "undelivered." The Secretary will appreciate prompt information as to the present addresses of those listed below:

AFFEL, HERMAN A., Research Assistant in Electrical Engineering, M Oct. 14, 1914
 Institute of Technology; res., 5 Bigelow St., Cambridge, Mass.*
 BEST, PAUL T., Chief Electrician, (Radio), U. S. Navy; U. S. S. "Con- M Oct. 15, 1913
 stellation," Newport, R. I.*
 BULLOCK, GILBERT DONALD, Assistant Chief Electrician, Peoples, M Mar. 24, 1915
 Light & Power Co.; res., P. O. Box No. 41, Gallup, New Mexico.*
 BURKHEAD, C. H., Student, University of North Carolina, Chapel Hill, A Feb. 4, 1914
 N. C.; res., Chapel Hill, N. C. M Oct. 11, 1914
 CHATFIELD, WORTH MacKNIGHT, Instructor, Chatfield School of A July 1, 1914
 Radio Telegraphy, Ann Arbor, Mich.; res., 536 E. University Ave.,
 Ann Arbor, Mich.*
 CHRISTENSON, OSCAR Electrician, Marconi Wireless Telegraph Co. M Jan. 27, 1915
 of America; res., Kahuku, Oahu, T. H.; Kahuku, Oahu, T. H.,
 care Marconi.*
 ENGLER, JOHN, Engineer, Gesellschaft für Drahtlose Telegraphie, Ber- M Nov. 4, 1912
 lin, Germany; 628 Van Nuys Building, Los Angeles, Cal.*
 FITLER, EUGENE B., Jr., Clerk, Electrical Products Co.; res., 40 W. M May 22, 1914
 119th St., New York City.*
 HANCE, S. W., Superintendent Radio Service, Vaccaro Bros. & Co., M April 1, 1914
 New Orleans, La.*
 HARRIS, WILLIAM J., Radio Operator, Marconi Wireless Telegraph M July 8, 1914
 Co.; res., 532 N. 64th St., Philadelphia, Pa.*
 HOGGER, CHARLES, Inspector, Russian American Line, Liban, M April 1, 1914
 Russia; res., 471 41st St., Brooklyn, N. Y.*
 JOHNSON, GEO. H., Electrical Helper, A. M. Jones, Berkeley, Cal.; M July 1, 1914
 res., 6205 E. 14th St., Oakland, Cal.*
 KEYTE, CHARLES R., Engineer-in-Charge, Government; Ocean Island A Feb. 18, 1914
 Radio Station, Gilbert & Ellice Protectorate.* M Jan. 20, 1915
 PICHON, PAUL, Patent Expert and Oberingenieur, Telefunken Co., M Jan. 7, 1914
 Berlin, Germany; res., Lichtenrade, Germany.*
 RECKSICK, WM. H., Jr., Radio Operator, U. S. S. "Minnesota," U. S. M Aug. 12, 1914
 Navy; res., 1222 C St., S. W., Washington, D. C.*
 SCHELL, JOHN E., Chief Radio Electrician, Navy Yard, N. Y.; res., M July 1, 1914
 190 Carlton Ave., Brooklyn, N. Y.*
 SKOVMAND, OTTO, Engineer, Poulsen System; res., Christianiaagade M Oct. 14, 1914
 10, Copenhagen, Denmark.*
 SPICER, EARL EUGENE, Electrician and Radio Operator, U. S. Coast M Aug. 26, 1914
 Defence Service; res., 913 Eighth Ave., Seattle, Wash.*

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Indiana	5	2
Kansas	1	1	1	..
Louisiana	..	3	10	..
Maine	3	1
Maryland	15	..
Massachusetts	3	9	60	8
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New Hampshire	1	2
New Jersey	2	2	50	7
New York	13	41	200	16
North and South Carolina	7	..
North and South Dakota	..	1	4	..
Ohio	..	1	7	2
Oklahoma	1	..
Oregon	6	..
Pennsylvania	3	1	43	6
Rhode Island	..	1	13	..
Tennessee	2	..
Texas	11	3
Utah	1	..
Virginia	..	4	16	..
West Virginia	2	..
Vermont	1	..
Washington	2	2	51	7
Wisconsin	4	1
Totals	28	84	691	73

	Fellows	Members	Associates	Juniors
ALASKA.....	..	..	1	..
CANADA.....	1	7	12	..
PANAMA.....	..	..	4	..
HAWAII.....	..	..	13	..
INDIA.....	..	1	..	..
PHILIPPINE ISLANDS.....	..	2	8	..
PORTO RICO.....	..	..	1	..
CENTRAL AMERICA.....	..	..	1	..
CHILE.....	..	1	..	..
BRITISH GUIANA.....	..	1	..	..
CHINA.....	..	..	1	..
DENMARK.....	3	..	1	..
ENGLAND.....	5	9	24	..
GERMANY.....	2	1	..	..
HOLLAND.....	..	..	2	..
IRELAND.....	..	..	2	..
JAPAN.....	..	2	1	..
RUSSIA.....	..	..	1	..
WEST AFRICA.....	..	..	1	..
 Totals.....	 39	 108	 764	 73

Total Membership 984

	Fellows	Members	Associates	Juniors
ALASKA.....	..	7	12	..
CANADA.....	1	..	4	..
PANAMA.....	..	..	13	..
HAWAII.....	..	..	..	..
INDIA.....	..	1	..	..
PHILIPPINE ISLANDS.....	..	2	8	..
PORTO RICO.....	..	..	1	..
CENTRAL AMERICA.....	..	..	1	..
CHILE.....	..	1	..	..
BRITISH GUIANA.....	..	1	..	..
CHINA.....	..	..	1	..
DENMARK.....	3	..	24	..
ENGLAND.....	5	9	..	..
GERMANY.....	2	1	..	..
HOLLAND.....	..	..	2	..
IRELAND.....	..	2	1	..
JAPAN.....	..	..	1	..
RUSSIA.....	..	..	1	..
WEST AFRICA.....	..	..	..	..
Totals.....	39	108	764	73

Total Membership 984