CONSTITUTION AND BY-LAWS

OF THE

AMERICAN RADIO RELAY LEAGUE

INC.

Revised to March 7, 1926

Constitution and By-Laws of the A.R.R.L.

Adopted December 18, 1923

CONSTITUTION

Article I

1. The name of this organization is The American Radio Relay League, Incorporated.

2. Its objects shall be the promotion of interest in Amateur Radio Communication and Experimentation; the relaying of messages by radio without charge; the furtherance of the public welfare; the advancement of the Radio Art; the representation of the radio amateur in legislative affairs; the maintenance of fraternalism and a high standard of conduct amongst its members; and the promotion of such other activities as are allied thereto.

Article II—Membership

1. Any person engaged in or interested in Amateur Radio shall be eligible to membership.

2. Applications for membership shall be submitted to the Executive Committee and a majority vote of this Committee shall elect to membership. The Committee may refuse to elect any applicant whose character, reputation or conduct would make him in their opinion, an undesirable member; provided, that an applicant who is refused membership may have his case reviewed by the Board of Directors upon the recommendation of a minority of the Executive Committee. The Board of Directors in such case may, in its discretion, reverse the action of the Executive Committee.

3. Members shall comply with the requirements of the Constitution and By-Laws of the League, and with the radio laws and regulations of the country in which they reside.

4. A member may resign his membership by a written communication to the Secretary. If all his dues and other indebtedness have been paid his resignation shall be accepted.

5. Upon the written request of ten or more members that, for cause therein stated, a member of the League be expelled, the Board of Directors shall consider the matter, and if there appears to be sufficient reason shall advise the accused of the charges against him. He shall then have the right to present a written defense, and to appear in person or by duly authorized representative before a meeting of the Board of Directors, or their authorized representatives, of which meeting he shall receive notice at least thirty days in advance. Not later than their next meeting thereafter, the Board of Directors shall finally consider the case, and if in the opinion of two-thirds of the members present a satisfactory proof of his undesirability has been established, and the accused member has not in the meantime tendered his resignation, he shall be expelled.

Article III—Officers

1. The officers of the League shall be a President, a Vice President, a Secretary, a Treasurer, and a Communications Manager.

2. The President and the Vice President shall be elected by the Board of Directors, and shall hold office for two years or until their successors are elected and qualified. The Secretary, the Communications Manager, and the Treasurer shall be appointed by the Board of Directors.

Article IV—Management

1. The affairs of the League shall be managed by a Board of Directors under the Constitution and By-Laws and the general provisions of the laws under which it is incorporated. The Board of Directors shall consist of the President, the Vice President, one Director from each of the several territorial divisions of the League in the United States and Possessions, elected by the members of the League thereof, and a Canadian General Manager.

2. No person who is commercially engaged in the manufacture, selling or renting of radio apparatus or literature shall be eligible to membership on the Board of Directors. Directors shall serve without compensation from the League in any capacity.

3. The Board of Directors shall have such powers and duties as are prescribed by statute for a Board of Directors. It shall direct the investment and care of the funds of the League, shall make appropriations for specific purposes, shall act upon all questions of expulsion of members, and

in general shall direct the business of the League, either itself or thru its officers and committees. It shall appoint the Secretary, the Communications Manager, and the Treasurer and fix their salaries, and they shall be subject to removal only by an affirmative vote of a majority of the members of the Board.

4. The President shall have general supervision of the affairs of the League, under the direction of the Board of Directors. He shall preside at the meetings of the Board of Directors, and shall be, ex-officio, a member of all committees. The Vice President shall be responsible for such matters of general supervision as may be delegated to him by the President. In the absence or disability of the President, the Vice President shall preside at meetings of the Board of Directors and in general act in his stead.

5. The Secretary shall be the general manager of the League affairs under the direction of the President and the Board of Directors. He shall attend all meetings of the Board and record the proceedings thereof. He shall collect all moneys due the League and turn same over to the Treasurer. He shall certify the accuracy of bills or vouchers on which money is to be paid, and shall draw and countersign all checks. He shall have charge of the books and accounts of the League, and shall furnish to the Board of Directors from time to time such statements as may be required. He shall conduct the general correspondence of the League, and shall keep full records. He shall be in responsible charge, under the President and the Board of Directors, of all property of the League. He shall, with the approval of the Board of Directors, employ such clerical force as may be necessary and shall be responsible for the work of all employees under his jurisdiction. He shall be, under the direction of the Executive Committee, the general manager of the League publications. He shall prepare and submit at each annual session of the Board of Directors a comprehensive report on the progress and status of the affairs of the League under his jurisdiction. He shall perform such other duties as may be assigned to him by the Board of Directors. His entire time must be devoted to the affairs of the League, unless otherwise authorized by the Board. He shall furnish a bond satisfactory to the Board of Directors, the expense of same to be borne by the League.

6. The Communications Manager shall have charge of the Communications Department of the League. He shall report to the Board of Directors and shall furnish it from time to time such statements as may be required, and insofar as his duties will permit, shall attend all meetings of the Board of Directors, at the expense of the League. He shall prepare and submit at each annual session of the Board a comprehensive report on the progress and status of the affairs of the Communications Department. He shall manage the relay traffic of the League and the general activity of the Communications Department. He shall perform such other duties as may be assigned to him by the Board. His entire time must be devoted to the affairs of the League, unless otherwise authorized by the Board of Directors.

7. The Treasurer shall be the recipient of all moneys of the League and shall deposit the same in the name of the League in a depository satisfactory to the Board of Directors. He shall sign all checks drawn by the Secretary when such drafts are known to him to be proper and duly authorized. He shall invest such funds as may be ordered by the Board of Directors. He shall make a report at the annual session of the Board of Directors, and such other reports as may be prescribed, and, insofar as his duties will permit, shall attend all meetings of the Board of Directors, at the expense of the League. He shall perform such other duties as may be assigned to him by the Board of Directors. He shall furnish bond satisfactory to the Board of Directors, the expense of same to be borne by the League.

8. The Board of Directors shall meet in annual session for the conduct of League business in the month of February of each year.

9. Special meetings of the Board of Directors shall be called by the President at least every three months, by written notice stating the specific object or objects thereof, mailed to each Director at least three weeks prior to the date of said meeting.

10. The Board of Directors shall delegate sufficient of its powers to an Executive Committee consisting of the officers of the League, to enable the said committee to conduct the affairs of the Board of Directors between its meetings. The Committee shall keep a record of its meetings and actions, and shall report at every meeting of the Board of Directors.

11. The Board of Directors or the Executive Committee (subject to the direction of the Board) may at any time authorize any officer, director, other person, or committee, to perform any acts or functions which in the Constitution or By-Laws may be prescribed to be performed by any specified officer, other person, or committee, whenever by reason of death, absence, disability or other cause, sufficient ground therefor shall appear to the Board or Executive Committee.

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12. A majority of the members of the Board of Directors shall constitute a quorum at any meeting of the Board.

Article V—Official Publication

1. There shall be an official publication maintained by the League, in the form of a monthly magazine, the name of which shall be "*QST*". A copy of this magazine shall be supplied each month to every member of the League in good standing. The general business management of this magazine shall be in the hands of the Secretary, under the direction of the Executive Committee. The policy of the magazine shall be determined by the Board of Directors and such policy shall be carried out by the Secretary under the direction of the Executive Committee.

Article VI—Communications Department

1. That section of the League's activities concerned with the relaying of messages, tests, and related matters involving radio communication, shall be known as the Communications Department and shall be managed by the Communications Manager. Its purpose shall be the arranging of a traffic network for the expeditious handling of private messages between member-stations without charge, to establish and maintain orderly operating of amateur stations, to effect compliance with government radio communication laws, and to carry on such other practical operating activities as may be authorized by the Board of Directors.

Article VII—Amendments

1. This Constitution may be amended at any meeting by a two-thirds vote of the entire membership of the Board of Directors, to be determined by yeas and nays, provided due notice of such proposed amendment shall have been submitted every Director at least sixty days in advance.

BY-LAWS

Membership and Dues

1. The Secretary shall notify members of the expiration of their membership not less than thirty days in advance thereof.
2. Members in arrears shall be carried on the League records for ninety days, but if they have not renewed their membership by that date they shall be dropped.
3. The dues shall be $2.50 per year, payable annually in advance.

Divisions

4. The operating territory of the League in the United States and Possessions and in the Dominion of Canada shall be partitioned into Divisions as follows:

In the United States and Possessions—ATLANTIC DIVISION, those portions of the states of New York and New Jersey not included in the Hudson Division, the states of Pennsylvania, Maryland and Delaware, and the District of Columbia; CENTRAL DIVISION, the states of Wisconsin, Michigan, Illinois, Indiana, Ohio and Kentucky; DAKOTA DIVISION, the states of Minnesota, North Dakota and South Dakota; DELTA DIVISION, the states of Louisiana, Mississippi, Arkansas and Tennessee; HUDSON DIVISION, the counties of New York, Bronx, Richmond, Kings, Queens, Nassau, Suffolk, Westchester, Rockland, Putnam, Orange, Ulster, Dutchess, Columbia, Green, Albany Rensselaer and Schenectady of the state of New York, and the counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson and Ocean of the state of New Jersey; MIDWEST DIVISION, the states of Nebraska, Iowa, Kansas and Missouri; NEW ENGLAND DIVISION, the states of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut; NORTHWESTERN DIVISION, the states of Washington, Oregon, Montana and Idaho, and the Territory of Alaska; PACIFIC DIVISION, the states of California, Nevada and Arizona, and the Territory of Hawaii; ROANOKE DIVISION, the states of Virginia, West Virginia and North Carolina; ROCKY MOUNTAIN DIVISION, the states of Colorado, Wyoming and Utah; SOUTHEASTERN DIVISION, the states of South Carolina, Georgia, Florida and Alabama and the Islands of Cuba and Porto Rico and the Isle of Pines; WEST GULF DIVISION, the states of Texas, Oklahoma and New Mexico.

In the Dominion of Canada—MARITIME DIVISION, the provinces of Nova Scotia, New Brunswick and Prince Edward Island, and the British Colony of Newfoundland and its dependency, Labrador; ONTARIO DIVISION, the province of Ontario; QUEBEC DIVISION, the province of Quebec; PRAIRIE DIVISION, the provinces of Saskatchewan and Manitoba and The Northwest Territories; VANALTA DIVISION, the provinces of Alberta and British Columbia and the Yukon Territory.

Communications Department

5. For the activities of the Communications Department, the operating territory of the League shall be further divided into Sections. In each Section there shall be a Section Communications Manager, who,

under the direction of the Communications Manager, shall have authority over the Communications Department within his Section. He shall be responsible to and report to the Communications Manager. In this paragraph, as regards the Dominion of Canada or Newfoundland and Labrador, the words "Communications Manager" shall be read as "Canadian General Manager".

6. The operating territory of the League in the United States, its island possessions and territories, and the Republic of Cuba, shall be apportioned into Sections for the purposes of the Communications Department, by the Communications Manager with the advice and consent of the Division Director. Similarly, the operating territory of the League in the Dominion of Canada, Newfoundland and Labrador shall be apportioned into Sections by the Communications Manager with the advice and consent of the Canadian General Manager. The boundaries of any Sections may be changed by the same officials as from time to time may be desirable.

7. The Section Communications Managers shall be elected for a two-year term of office. Whenever a vacany occurs in the position of Section Communications Manager in any Section of the United States, its island possessions or territories, or the Republic of Cuba, the Communications Manager shall announce such vacancy and call for nominating petitions signed by five or more members of the Section in which the vacancy exists, and naming a member of the Section as candidate for Section Communications Manager. The closing date for receipt of such petition shall be announced. Immediately after the closing date the Communications Manager shall arrange for an election by mail. Ballots shall be sent to every member of the League residing within the Section concerned. The candidates' names shall appear on the ballots in the order of the number of nominations received. The closing date for receipt of ballots shall be announced. Immediately after such closing date the Communications Manager shall count the ballots and the candidate receiving a plurality of the votes shall become the Section Communications Manager. The Canadian General Manager similarly shall manage such an election for a Section Communications Manager whenever a vacancy occurs in any section of the Dominion of Canada, Newfoundland or Labrador.

8. The office of any Section Communications Manager may be declared vacant by the Executive Committee upon recommendation of the Communications Manager, with the advice and consent of the Director, whenever it appears to them to be in the best interests of the membership so to act, and they may thereupon cause the election of a new Section Communications Manager as provided in the preceding paragraph, 7.

Directors

9. From each division of the League in the United States and Possessions a Director shall be elected by the members of the League residing therein.

10. The Directors shall be members of the Board of Directors of the League; they shall keep themselves informed on conditions and activities in the respective divisions, and on the needs and desires of the League members therein, that they may faithfully and intelligently represent them in the Board of Directors. They shall, so far as able, attend all meetings of the Board.

11. The Directors shall have the authority to appoint committees and assistants to aid them in the discharge of their duties. In the absence or inability of the Director to attend a meeting of the Board of Directors he may appoint a member of the League as an alternate, who may attend the meeting.

12. The traveling expenses of members of the Board of Directors or their alternates, from their homes to the place of meeting of the annual session of the Board, and returning to their homes, both by the shortest route, shall be paid by the League.

13. Upon the written request of twenty-five per cent or more of the members of a division or of ten or more members of the Board of Directors that, for cause therein stated, a Director be removed from office, the Board of Directors shall consider the matter and, if there appears to be sufficient reason, shall advise the Directors of the charges against him. He shall then have the right to present a written justification of his conduct and to appear in person or by duly authorized representative before a meeting of the Board of Directors, of which meeting he shall receive notice at least thirty days in advance. Not later than their next meeting thereafter, the Board of Directors shall finally consider the case, and if in the opinion of two-thirds of the members present a satisfactory proof of his undesirability has been established and the matter has not in the meantime been adjusted to the satisfaction of the complainants, and his resignation has not been tendered and accepted, the office may be declared vacant and a new election ordered in the division affected.

14. On ony date not later than noon of the first day of November of an election year in any division, nominating petitions signed by ten or more members of a divi-

sion and naming a member of the division as candidate for Director, may be filed with the Secretary. The Board of Directors shall solicit such petitions in the September and October issues of *"QST"* in each election year by a notice that will show the names of the incumbents.

15. The Executive Committee shall delete the name of any nominee who may be ineligible to election and the name of any who may withdraw by written communication. The remaining names shall be listed on a ballot, in the order of the number of nominations received. If there be but one eligibile nominee, the Executive Committee shall instruct the Secretary to cast one ballot to elect that nominee and to send post-card notices of such action to the membership of the League residing in the territory concerned. If there be more than one eligible nominee, then during the first week of November the Secretary shall send by mail to every member of the League in the divisions in which elections are being held, a ballot listing the candidates for Director in his division, and a return envelope, soliciting a vote for one name. The ballot shall contain a copy of By-Laws 14, 15, 16, 17 and 18. The Executive Committee shall constitute itself a Committee of Tellers; but any member of the League who shall deliver to the Secretary on or before the first day of November of election year a written petition signed by at least ten members of a division, stating their desire that he be a member of the Committee of Tellers, shall also be a member of that committee insofar as concerns the counting of the vote from his own division; provided that the aforesaid signatures shall not have appeared on another similar petition. Ballots, to be counted, shall reach the Secretary not later than the first day of December of election year. The Committee of Tellers shall meet at the headquarters office of the League as soon after the first day of December as possible and in secret, but in the presence of each other, shall count the vote, after first eliminating the ballot of anyone disqualified from voting. They shall forthwith prepare and sign a report of the results of the vote, declaring duly elected as new Directors the candidate in each division receiving the greatest number of votes of the League members therein; and they shall turn over all their records and ballots to the Secretary for presentation at the next annual session of the Board of Directors.

16. For the 1923 elections, a Director shall be elected for a term of one year in the following divisions: Central, New England, Northwestern, Roanoke, Rocky Mountain and West Gulf; and for a term of two years in the following divisions: Atlantic, Dakota, Delta, Midwest, Pacific and Southeastern. Thereafter the terms of all Directors shall be for two years, or until their respective successors are duly elected and qualified.

17. A Director shall be elected from the Hudson Division in the fall elections of 1924, and every two years thereafter, to serve for a term of two years or until his successor is duly elected and qualified.

18. The terms of all Directors shall begin at noon on the first day of January of the year after that in which they are elected.

19. Whenever a vacancy occurs in the office of Director in any division, a special election shall be held as soon thereafter as practicable, in the general manner hereinbefore prescribed for regular elections.

President and Vice-President

20. The President and the Vice President of the League shall be elected by the Board of Directors at their annual session in presidential election year. Should either officer be chosen from the membership of the Board of Directors, that officer if he accepts the office shall immediately resign his office of Division Director, and a new election to select his successor shall be held in the division affected as soon thereafter as practicable, in the general manner hereinbefore prescribed for the election of Directors.

21. A President and a Vice President shall be elected at the 1924 annual session of the Board of Directors, and every two years thereafter. Their terms of office shall begin at the conclusion of the meeting at which they are elected and shall continue for two years, or until their successors are duly elected and qualified.

22. A vacancy in the office of President shall be filled by the Vice President. A vacancy in the office of Vice President shall be filled by appointment by the Board of Directors for the unexpired remainder of the term.

Canada

23. On any date not later than the first day of November of an election year in Canada, nominating petitions signed by ten or more Canadian members of the League and naming a Canadian member as candidate for Canadian General Manager, may be filed with the Secretary. The Board of Directors shall solicit such petitions in the September and October issues of *"QST"* in each Canadian election year by a notice that will show the name of the incumbent.

24. The Executive Committee shall delete the name of any nominee who may be ineligible to election and the name of any who may withdraw by written communication. The remaining names shall be listed on a ballot in the order of the number of nominations received. If there be but one

eligible nominee, the Executive Committee shall instruct the Secretary to cast one ballot to elect that nominee and to send post-card notices of such action to the membership of the League residing in Canada. If there be more than one eligible nominee, then during the first week of November the Secretary shall send by mail to every member of the League in Canada, a ballot and a return envelope, soliciting a vote for one name. The ballot shall contain a copy of By-Laws 23, 24, 25 and 26. The Executive Committee shall constitute itself a Committee of Tellers to canvass the vote; but any Canadian member of the League who shall deliver to the Secretary on or before the first day of November of election year a written petition signed by at least ten Canadian members stating their desire that he be a member of the Committee of Tellers, shall also be a member of that committee; provided that the aforesaid signatures shall not have appeared on another similar petition. Ballots, to be counted, shall reach the Secretary not later than the first day of December of election year. The Committee of Tellers shall meet at the headquarters office of the League as soon after the first day of December as possible, and in secret, but in the presence of each other, shall count the vote, after first eliminating the ballot of anyone disqualified from voting. They shall forthwith prepare and sign a report of the results of the vote, declaring the eligible person receiving the greatest number of votes elected as the new Canadian General Manager; and they shall turn over all their records and ballots to the Secretary for presentation at the next annual meeting of the Board of Directors.

25. A Canadian General Manager shall be elected in 1923 and every two years thereafter. His term of office shall begin at noon on the first day of January of the year after that in which he is elected and shall continue for two years, or until his successor is duly elected and qualified.

26. The Canadian General Manager shall be a member of the Board of Directors. He shall be the liaison officer of the League between the Board of Directors and its Canadian members. He shall have general supervision of League activities in Canada and shall be responsible to the Board of Directors for League welfare in all matters in Canada. He shall keep himself informed on conditions and activities in Canada and on the needs and desires of League members therein, that he may faithfully and intelligently represent them in the Board of Directors. He shall, so far as able, attend all meetings of the Board of Directors.

27. The Canadian General Manager shall have the authority to appoint committees and assistants to aid him in the discharge of his duties; he shall appoint an alternate who, in his absence or disability shall act for him. All such appointees shall be Canadian members of the League. In the absence or inability of the Canadian General Manager to attend a meeting of the Board of Directors the alternate shall attend in his stead and shall have full power to represent the Canadian divisions.

28. A vacancy in the office of Canadian General Manager shall be filled by special election as soon thereafter as practicable, in the general manner hereinbefore prescribed for regular elections.

29. The policy of the League in Canada shall be that of a friendly hand for the amateurs of a sister country pending their growth to such numbers and strength that their ability to form and conduct a self-governing non-commercial amateur organization thruout the Dominion is evident. The activities of the League in Canada shall be regarded as a temporary stewardship undertaken at the request of Canadian amateurs. Whenever Canadian amateurs shall petition for their own organization, and it is manifest to a majority of the entire Board of Directors that the success of a separate Dominion organization is assured, the Board of Directors shall aid in establishing and proclaiming a separate all-Canadian organization to be known as the Canadian Radio Relay League to operate under a constitution similar in tenor to that of this League; and this League shall thenceforth relinquish all direct activity in Canada.

1923 Elections

30. Especially for the elections of 1923 the dates specified in these By-Laws for the nomination and election of Directors and Canadian General Manager, including the dates specified for the various steps to be taken in the handling thereof, shall be changed to read exactly five months later. Especially for the 1924 session, the date specified in the Constitution and these By-Laws for the holding of the annual session of the Board of Directors at which a President and a Vice President shall be elected, shall be changed to read exactly five months later. The terms of all such officers and directors shall end on the same date as they would have ended had not the dates for these first elections been changed.

Affiliated Societies

31. It shall be the policy of the League to affiliate with itself local non-commercial amateur radio societies of kindred aims and purposes with a view to forming a homogeneous organization which will make possible unity of action in matters affecting amateur welfare.

32. Any such society which suitably expresses its sympathy with and allegiance

to the aims and policies of the League in accordance with regulations determined by the Board of Directors, and which upon investigation is found to be worthy and well qualified, may be declared duly and truly affiliated with the League by a majority vote of the members of the Board of Directors present at any meeting, and a charter shall thereupon be issued the society in token thereof. The Board of Directors shall have the authority to refuse affiliation to any society if in its opinion such affiliation would be harmful to the best interests of the League.

33. The affiliations of any society may be terminated and its charter recalled by a majority vote of the Board of Directors at any time for any cause deemed prejudicial to the best interests of the League.

34. The Communications Manager shall be responsible for a general supervision of the affiliated societies and their welfare, and for the relations existing with them; he shall keep the records and conduct the correspondence with them.

Miscellaneous

35. No person not a member of the League shall be eligible to hold any office or appointment in the League.

36. The results of all elections shall be published by the Secretary in the next issue of *"QST"* printed after the canvass of the vote.

37. The fiscal year of the League shall be the calendar year.

38. The headquarters offices of the League shall be located in the city of Hartford, in the state of Connecticut.

39. The official depository of the League shall be the Phoenix National Bank, of Hartford, Conn.

40. Copies of minutes of meetings of the Board of Directors shall be sent by the Secretary to all Directors.

41. Unless otherwise specifically provided in the Constitution or these By-Laws, the action of the Board of Directors shall in all cases be determined by the concurring vote of a majority of the members present, a quorum existing.

42. On all questions of order and procedure not otherwise determined by the Constitution or these By-Laws, or by a special rule of order adopted by a two-thirds vote, the provisions of the Working Code appended to the Revised Cushing's Manual shall constitute the Standing Rules of Order for meetings of the Board of Directors; and Special Rules, A, B, C, D, E, shall be included therein and are hereby severally adopted.

43. The regular order of business at meetings of the Board of Directors shall be as follows:

(1) Roll-call
(2) Consideration of Minutes
(3) Appointments and Elections
(4) Special Orders (if any have been made)
(5) Reports of Officers
(6) Reports of Standing Committees
(7) Reports of Special Committees
(8) Unfinished Business
(9) New Business

The above order or any part of it may be suspended by a two-thirds vote at any meeting.

Conventions

44. An American Radio Relay League convention is defined as a meeting of persons interested in amateur radio, of any regular American Radio Relay League Division, as specified in By-Law 4 hereof, when such meeting has been authorized and is conducted as hereinafter provided.

45. Neither the name of the American Radio Relay League, nor the initial letters thereof, nor its emblem, shall be used in connection with any meeting or convention, or in the advertising thereof, save such as above defined.

46. Before such a convention is held, the parties desiring to conduct the same shall obtain the approval of the Executive Committee, who shall act with the advice and consent of the Director of the division in which the convention is to be held. To this end there shall be submitted to the Executive Committee a statement setting forth the place and date of the proposed convention, the territory to be embraced, and the particular purpose to be served thereby. The Executive Committee may call for any other information necessary to make its decision. The management and plans of every such convention shall be subject to the approval of the Director of the Division in which the convention is to be held.

47. The above sections shall not apply to national conventions, which shall be under the control and direction of the Board of Directors.

Amendments

48. These By-Laws may be amended in any part by a two-thirds vote, to be determined by yeas and nays, of the entire membership of the Board of Directors, at any meeting; or, provided due notice of such proposed amendment shall have been submitted every Director at least sixty days in advance, they may be amended by a two-thirds vote, to be determined by yeas and nays, of the Directors present at the meeting, a quorum being present and voting. They may not be suspended except in the particular cases provided for in the By-Laws themselves.

49. Without changing their import the Board of Directors may from time to time renumber these By-Laws so as to serve the purpose of ready reference thereto.

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IN response to numerous requests from our membership for a QST index, the present abstracting of subjects and titles appearing in Volume VI is presented. It represents our first efforts along this line. A more comprehensive index of authors' names or an enlargement of subjects under which titles are grouped could not be provided on account of space and cost limitations but it is hoped this will serve the purpose of a ready reference to past articles and the basis for the enlarged index to Volume VII under preparation. Criticism and suggestions will be welcomed.

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Additional copies of this index may be purchased from our Circulation Department for 4c each.

Suggestions for improvement will be welcome. If errors in indexing or subject matter are found, please advise us.

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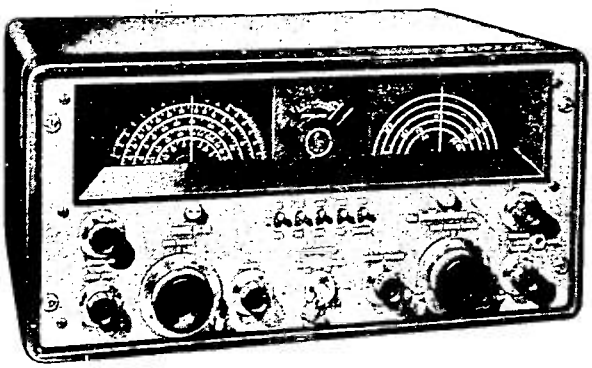

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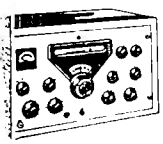

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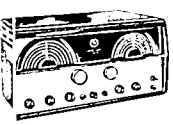

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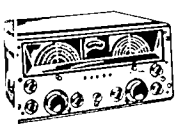
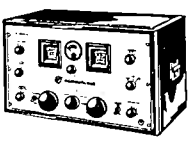
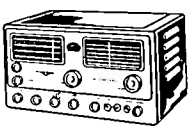


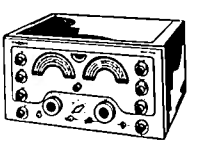
Hallicrafters SX-88. Dual conversion; 535 kc to 33.3 mc in 6 ranges. 2 RF stages, 50 kc second IF, crystal-controlled 2nd conv. osc.
98 SX 715. Net . . . **$595.00**
98 SX 716. 10" speaker. Net **$19.95**



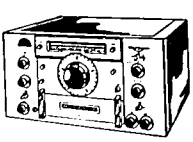
Hammarlund HQ-140-X. 540 kc—31 mc in 6 ranges. Crystal filter, ANL, 6 sel. positions, electrical bandspread, etc.
98 SX 766. Net . . . **$264.50**
97 SX 757. 8" speaker. Net **$14.50**



National NC-98. 550 kc—40 mc coverage. Crystal filter, S-meter, separate HF osc.
98 SX 732. Net . . . **$149.95**
NC-98SW. As above, but with bandspread for 17, 19, 25, 31, 49 meter SW BC bands.
98 SX 720. Net . . . **$149.95**
98 SX 722. Matching 6" speaker. Net **$11.00**



National NC-183D. Dual conversion; 540-31 mc and 47-55 mc in 5 ranges. 3 IF stages, 16 tuned circuits, 4.4-55 mc.
97 SX 666. Net . . . **$399.50**
97 SX 663. 10" speaker. Net **$16.00**



National HRO-60. Dual conversion; 1.7-30 mc; bandspread on 80, 40, 20, 11-10 meters. 2 RF stages; ANL; S-meter, 6-step crystal filter, etc.
97 SX 722. Net **$533.50**
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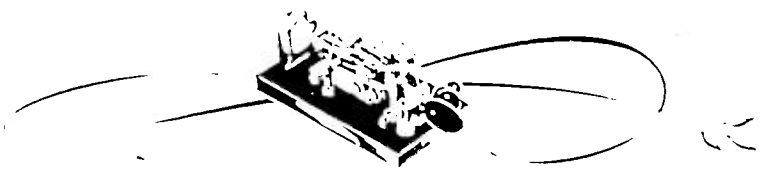
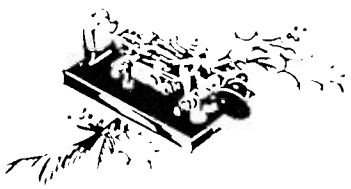


Congratulations to QST

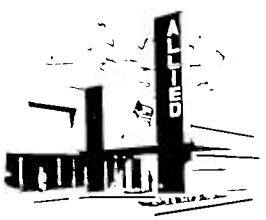
on its fortieth birthday...

from the Hams at ALLIED

Jack G. Hofeld	W9VVX	Rudolph P. Ackerman	W9CCW
Lewis L. Parsons	W9DEI	Robert N. Provis	W9LMU
Maynard J. Threlkeld	W9PA	Goodwin Mills	W9MHB
Morris C. Towler	W9ZJU	Arnold Hatfield	W9IGH
Ernest C. Wharfield	W9HLJ	Thomas Pickering	W9LRA
Charles Stone	W9EXQ	Darrell Thorpe	W9NYI
Gordon A. Schuman	W9MIK	Edward Marwick	W9CZX
Irael Treger	W9IVJ	Tasker Day	W9QBB
Blair D. West	K9ASV	John Flinn	W9QQG
Joseph Gizzi	W9HLA	Art Clarke	W2WAB 9
Louis M. Dezettel	W9SFW	Sue Owen	W9NCO
Raymond Klipp	WN9ETO	Bob King	WOZPD
George M. Bercos	W9WOV	Bill King	W9JQL
Lawrence E. Blostein	W9BUD	Milton Fojtik	W9DCB
Robert P. Austin	W9EVA	Franklin Swan	W9SIA
Anthony Marcello	W9VHS	Fernon Albert	K9AIZ
Carroll G. Sickles	W9EJK	Kent Ragsdale	W5AZI
Robert Grayson		W9KOX	



...and a very Merry Christmas to all our Ham friends



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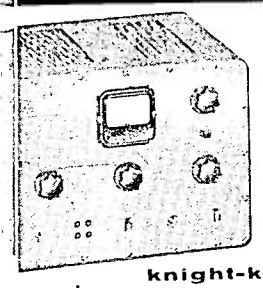

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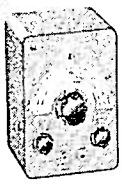
50-WATT CW TRANSMITTER KIT

...t low-power rig for the Novice or sea- ...veteran. Features: 50 watts input to ...al; high-efficiency 6AG7 modified-Pierce ...ator takes crystal or VFO without cir- ...hanges; bandswitching coverage of 80, ..., 15, 11-10 meters; pi matching network ...rnates separate antenna tuner; clean ...de keying of oscillator and final. Power ...off plug supplies filament and B-plus ...ges for other equipment. Excellent TVI ...pression. Meter reads either plate or grid ...rnt of final. Jacks for VFO, crystal and ...key. Supplied with all parts and tubes. Less ...yal and key. Shpg. wt., 18 lbs.

Model S-255. Transmitter Kit. Net $43.75



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knight-kit SELF-POWERED VFO KIT

Complete with built-in power supply! Excellent oscillator keying characteristics for fast break-in with clicks or chirps negligible. Full TVI suppression. Has plenty of band-spread; separate calibrated scales for 80, 40, 20, 15, 11 and 10 meters; vernier drive mechanism. 2-chassis construction keeps heat from frequency determining circuits. Output cable plugs into crystal socket of transmitter. Output on 80 and 40 meters. With Spot-Off-Transmit switch for "no swish" tuning. With all parts and tubes. 8 lbs.

Model S-725. VFO kit. Net $28.50

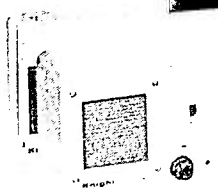
ONLY $5.85

knight-kit RF "Z" BRIDGE KIT

Measures standing wave ratio (SWR) and impedance of antenna systems; also for adjusting antenna networks for optimum results. Any VOM may be used for null indicator. High accuracy with 20,000 ohm/v VOM. Correction factor info supplied for other VOM's. With coax input and output connectors. Meters both input and bridge voltage. Calibrated dial gives direct impedance reading. With all parts and handy plasticized SWR chart. 1½ lbs.

Model S-253. "Z" Bridge Kit. Net $5.85

TOPS FOR GIFT GIVING!



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ONLY $14.75

...w low-cost, easy to build intercom system kit. ...ld for use in home or office. Consists of Master ...and Remote unit, each with press-to-talk switch. ...Rcote unit may be left "open" for answering calls ...m a distance. Remote may also be connected for ...Evate" operation cannot be "listened-in" on, ...but can be called and can originate calls. Master ...unit includes high-gain 2-stage amplifier; each unit ...has 4" PM dynamic speaker. Complete with Antique ...Wte cabinets (4¾ x 6½ x 4¾"), all parts, tubes ...and 50 feet of cable (up to 200 feet of cable can be ...added). For AC or DC. Shpg. wt., 7 lbs.

Model S-295. 2-Way Intercom Kit. Net $14.75

ONLY $28.50

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Ideal for black and white or color photography. Xenon filled reflector-bulb assembly gives over 10,000 flashes at less than ½¢ each! 1/700-second flash freezes the fastest action. Has 50 watt-second output. Provides light approximating daylight in spectral quality; permits the use of outdoor-type film indoors. Designed for "X" or "O" shutters only. Requires sync cable and either battery or AC supply listed below. Kit includes all parts, carrying case and instructions. Shpg. wt., 2 lbs.

Model S-244. Electronic Photoflash Kit. Net $28.50
S-246. AC Power Supply Kit. 1 lb. $3.75
J-626. Battery for above (Burgess U-200). 1 lb. $8.47

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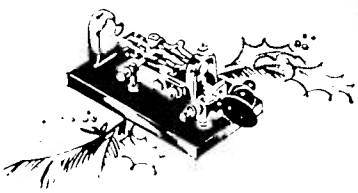
Holiday Greetings *to all our Ham Friends the world over...*



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RUDY ACKERMANN	W9CCW
GEORGE BERCOS	W9WOV
LARRY BLOSTEIN	W9BUD
JOEL BOLKER	K9CDJ
TASKER DAY	W9QBB
LOU DEZETTEL	W9SFW
MILT FOJTIK	W9DCB
JOE GIZZI	W9HLA
BOB GUMM	W9ECC
MIKE HEINRICH	KN9IJO
JACK HOFELD	W9VVX
JOE HUFFMAN	W9BHD
BOB KING	WØZPD
NORTON LANG	W9ARB
DICK MANNING	W9BUW
TONY MARCELLO	W9VHS
JACK MATIN	W9RND
BILL MENEZES	W9YSL
GOODWIN MILLS	W9MHB
DAN MITCHELL	W9OFB
RODGER NORDLUND	WØYUX
TOM PICKERING	W9LRA
JIM RYAN	W9HWC
GORDON SCHUMAN	W9MIK
JIM SOMMERVILLE	W9WHF
CHUCK STONE	W9EXQ
JACK THRELKELD	W9PA
"DOC" TOWLER	W9ZJU
PAUL WALKER	KØGKE
JACK WOLFSON	K9GXK
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