



INTERNATIONAL SHORT WAVE CLUB



\$1.00 A YEAR

JANUARY, 1931

10c A COPY



BROADCASTING IN SIAM

PERHAPS the most interesting part of short wave reception is the ability of the listener to listen-in on strange voices, strange language, odd music and to tune in stations located in sections of the world where the customs, habits, religion, dress and manners of the inhabitants are vastly different from those of the listener. To many Americans, as well as others, the country of Siam is just a section of land south of China, but to American short wave listeners it is a land of tom-toms and Chinese fiddles, where our popular dance music is transposed into a new and different rhythm that even our greatest orchestras can not imitate. To many, listening-in on a Siamese station holds peculiar fascination that no others can bring.

Above is a group of Native Siamese musicians who posed for this photograph under the antenna towers of one of the broadcasting stations at Bangkok. The latest dispatches from Siam informs us that station HS1PJ is on 37.6 meters several days each week between 5 and 12 A. M., EST., and station HS2PJ is on 29.5 meters each Monday from 8 till 11 A. M., EST. They operate no stations near 49 meters.

(Courtesy of Donald F. Wright, San Pedro, Cal.)

**WINNERS OF SPECIAL BIRTHDAY PROGRAM
AWARDS
ANNOUNCED IN THIS ISSUE**

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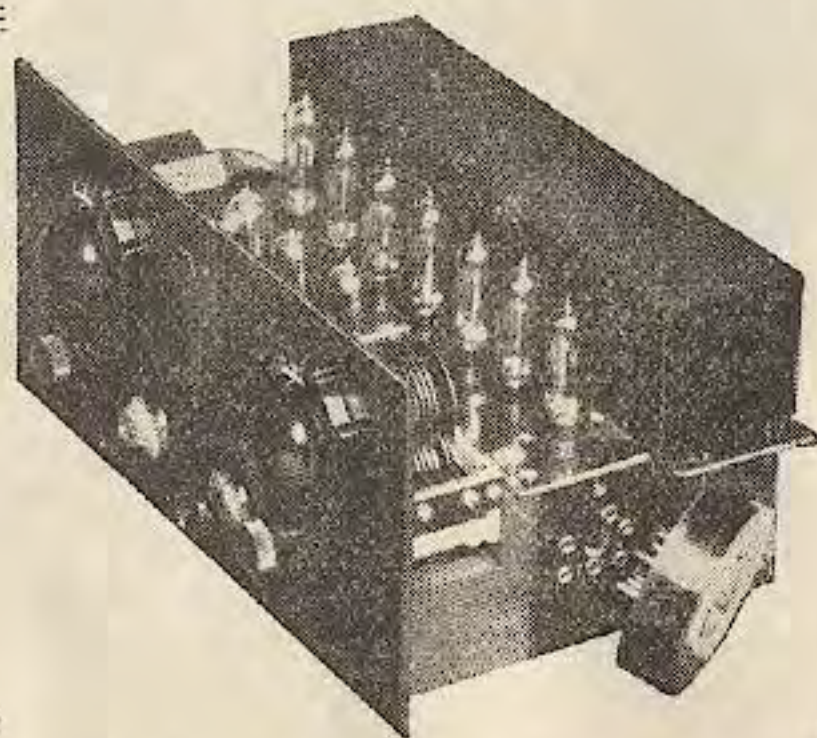
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Printed at Klondyke, Ohio, U. S. A., on the first of each month, and mailed postpaid to members. Address all mail to P. O. Box 713, Klondyke, Ohio.

Money orders, stamps, cash or checks may be sent for memberships.

Checks and money orders should be made payable to the International Short Wave Club, Klondyke, Ohio.

Membership fees are one dollar per year, which includes the monthly magazine.

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EDITORIAL

HAPPY New Year, fellow club-members and radio friends. May the forthcoming year bring you contentment, prosperity, happiness and a host of new friends. May it bring a closer relationship between members and ourselves and may it allow us to serve you more and better than we have in the past.

We take this opportunity to give thanks for the many kind favors shown us in the past year. It is greatly appreciated. We fully realize that the work here at headquarters is very small in comparison with the amount of work it has required of others to build up this world-wide organization.

Our work has only commenced. There are thousands of radio listeners today who believe that reception of overseas stations on short waves is something unusual. Thousands of others believe that all that is required is to flip a switch and the stations crowd in. To educate these listeners to the fact that many overseas stations can be heard only by skillful tuning and up-to-date information is our work.

We take this opportunity to mention to our readers that their suggestions, criticisms, comments and ideas are solicited. If you have some idea that has worked out to your advantage in getting better reception, send it in, along with a diagram if it is of a mechanical nature, and we will be pleased to publish it, giving full credit to you. Suggestions on how to improve either the organization of the magazine are greatly appreciated. We are trying to serve you to the best of our ability.

Several thousand short wave listeners will read a copy of this publication for the first time this month. For their benefit we offer some interesting information and instructions. The International Short Wave Club, publishers of this magazine, is an organization of short wave broadcast listeners from all parts of the world. It was organized in October, 1929 and from the humble start of three members, has grown till the membership covers 52 countries.

Membership to this club is one dollar per year (equal to one pesos or to four shillings, two pence) which entitles the member to twelve monthly copies of this magazine, a membership certificate, a free question service and many other things too numerous to mention. There are no other fees. Single copies of the magazine may also be obtained at 10c each.

In the past few months several imitations of this organization have sprung up in different places. Some have taken names so similar that we call special attention to the fact. All mail should be addressed to the Club at Klondyke, Ohio, U. S. A.

SHORT-WAVE NEWS

We wish to express our keen appreciation for the courtesy shown us by the members who are sending in their information on short wave broadcasts. Some may never realize the good they are doing in this manner, for it not only aids us in keeping our information un-to-date but helps thousands to tune in stations that they would not have heard without this news. In presenting this section we strive to give our readers such information as will be valuable to them in tuning for stations. We also try to give each and every individual credit for their part. To more fully understand the work this requires, we will say that over a thousand letters were received at headquarters in December. We do not believe this same friendly spirit of helpfulness exists anywhere outside of this organization.

Station LSX, the powerful broadcast station maintained by Transradio Internacional de Argentine at Buenos Aires, is now on the air one hour earlier, or from 7 till 9 P. M., EST. This 10 K.W. station is heard quite well all over the world on 28.9 meters. Many of our readers call attention to the announcements containing the word "Winniepeg" but the real announcement is "Allie Essie Axie, Transradio, Buenos Aires."

Sgt. Oscar A. Knopf, located at Port au Prince, Haiti, informs us that we have been overlooking station W2XCU of the Wired Radio Corp., at Ampere, N. J., in our list. He states that this station is heard well in Haiti, operating on 34.68 meters, from 7 till 9 P. M., EST., on Mondays and at noon hour daily.

Sr. Eliás J. Pellett, Box 715, Barranquilla, Colombia, South America, one of our members, informs us that he is now broadcasting on a wave length of 42.9 meters each Monday, Wednesday and Friday, from 9 till 11 P. M., EST. The power used is now 7 watts, but will be increased to 150 watts about February 1st. The call letters are HKD.

Charles J. Schroeder, of Philadelphia, Pa., and Arthur Lunn, of Maplewood, N. J., both write us that station HKF at Bogota, Colombia, is now broadcasting on 41.9 meters. The same schedule is used as on their old wavelength or, to be exact, each week day from 5 to 7 P. M. and 11 P. M. till 1 A. M., EST.

George Burnett, of Buffalo, N. Y., and G. R. Cussen, of Brooklyn, N. Y., send us the latest information on the French telephone stations, located at St. Assise, France. From this information we learn that FTN is now on 24.65 meters and FSE on 22.32 meters, has been incorporated into telephone service. FTM on 15.50 meters maintains a regular daily service with Buenos Aires (Station LSG) between 10 A. M. and 3 P. M. Other stations that are oftentimes pressed into service are FTB on 40.02, FTF on 38.60, FTL on 30.15, FQO on 24.67, FTO on 16.46, FRO on 15.45 and FTD on 15.12 meters.

Mr. A. E. Bear, of London, England, informs us that a station in Bombay, India, with the call letters VUB is testing on 49.1 meters, each Monday, Wednesday and Friday, from 12:30 A. M. till 1:15 P. M. Station VUC,

at Calcutta, is reported testing on 25.27 meters also. The possibility of these stations being heard in America depends on the power used and the schedule. We have asked a member in Bombay to check up on these stations.

An official of the N. B. Co. informs us that station J1AA, the station which was heard testing with KEL and KEZ at Bolinas, California, and also relaying the speech of Premier Hamaguchi to America and Europe, on Japan's acceptance of the London Naval Treaty, is on 40.5 meters. This station is located at Kemikawa or Iwatsuki, Japan, and tests with America quite often in the early mornings.

Willis Werner, of San Diego, Cal., states that station JAN, at Tokio, Japan, is now on a wavelength near 20 meters, testing with Berlin, London and Australia. An Australian magazine states that J1AA is also testing near 17.25 meters and a Vienna, Austria, magazine states a Japanese station is broadcasting near 24.8 meters. The Japanese Broadcasting Co. states that they have not been on short waves for many months and have stopped construction work on JOAK's short wave transmitter.

Some sad news comes out of the South. From station VRY comes the following: "Am writing to advise you that station VRY has definitely closed down, for the present at any rate. I cannot say if we will ever re-open, but if we do I will inform you. I beg to thank the I. S. W. C. for the interest they have taken in our station and if we ever do re-open I hope our activities will merit your continued interest. For the present, Christmas greetings from all at VRY to you and the International Short Wave Club." (Signed) F. J. R. Mackenzie. We certainly regret the passing of this most interesting station.

Although this station officially closed down on November 11th, a special Christmas program was broadcast on December 21st. In this program, the United States Consul, John V. Swearingen, spoke to his family and friends whom he had not seen for many months. His family, having been told in advance about this program, visited the Club headquarters, where the program was picked up for them and his greetings received.

A number of members have sent in information on the stations working with KEL, KEZ and KWE, at Bolinas, California. Mr. C. Lidstrom, of Salt Lake City, Utah, informs us that station KAZ at Manila, P. I., is on 30.3 meters and has worked KEZ many times between 6 A. M. and 3 P. M. Joseph E. Bright, of San Jose sends us the same information. Willis Werner of San Diego, Cal., tells us that KBK at Manila, P. I., is on 46 meters and works these stations. Gilbert L. Peters, of New York City, tells us that KWE at Bolinas, is on 19.50 meters, between 11 A. M. and 5 P. M., EST., many days each week. Mr. Peters also tells us that KIO at Kauhuhu, Oahu, Hawaii (Co-Co Head), is on 44.5 meters testing with KEZ, near midnight, EST. Arthur Stapfer, of St. Louis, Mo., states this station is KEQ, Kauhuku, Hawaii. Fred Easter, of Cincinnati, Ohio; David F. Thomas, of Proctorville, Ohio, Henry Holcomb, of New Bedford, Mass., and Edmund Kirchber, of Wheeling, W. Va., also sends us information on these stations.

Sr. Luis E. Navas Prado, Colombian Consul-General to Ecuador, and an active member, informs us that the station many members have been reporting on 45.7 meters is located at Cali, Colombia, South America. From reports received it seems they are on the air between 8 and 10 P. M., EST., on Wednesdays, Thursdays and Saturdays.

As this issue goes to press station I2RO at Prato Smeraldo (Rome), Italy, is back on 25.4 meters and sending in a very nice program to America, between 11 A. M. and 5 P. M., EST. This station is heard best after 3 P. M. and it can be found just above W8XK, Pittsburgh, Pa.

A. J. Wright, of Buffalo, N. Y., tells us that station LSY at Buenos Aires, Argentina, is working telephony with France and GB, England, on 14.5 meters, in the early mornings, from 6 A. M. till 11 A. M., EST. Mr. Wright also states that GB is on 14.7 meters at the same hours, and GBC England, is on 17.60 meters.

Station LSN has been heard by many listeners on a wavelength of 29.1 meters, working with GB, Rabat, St. Assise and Spain, mostly after 3 P. M., EST. This is just above LSX, Buenos Aires,

The first telephone service from a ship to Argentina was put through on December 19th, when the S. S. Belgenland was in contact with Buenos Aires by telephone while just off the coast of Cuba, or about 4000 miles from Buenos Aires.

Arthur Lunn, of Maplewood, N. J., was the first to report a new station in Buenos Aires, Argentina, broadcasting on a wavelength of 30.55 meters, between 6 P. M. and 9 A. M., EST., almost every evening. Mr. Lunn states that the call letters are LSOR. Mr. H. C. Hodson, of Troy, N. Y., states the call is LO2A. A. J. Wright, of Buffalo, N. Y., states he believes it is LSNR. Everyone agrees on the location of the station.

Joseph B. Sessions of Bristol, Conn., writes us that he picked up a station of 29 meters calling and talking to Colombia, S. A., and giving their call letters and location as PCT, Kootwijk, Holland.

Mr. Sessions and Mr. Michael C. Billyk, of Mahoningtown, Pa., state that they have heard a station between stations W9XAA and W3XAL (about 49.3 meters) broadcasting Spanish musical selections and announcing in Spanish or Portuguese. Mr. Billyk states the announcer mentioned the word "Portuguese" several times. Our records show a station in Lisbon, Portugal, near 49 meters, which was heard quite well in Europe last winter and also a station in Rio de Janeiro, Brazil, on 49 meters, broadcasting the programs of the Brazil Radio Club in Portuguese, from 5 till 7 P. M., EST.

American listeners please note this paragraph. Charles D. Brice, of Boston, Mass. and J. R. McAllister, of Struthers, Ohio, both inform us that they heard the announcer of station VK3ME at Melbourne, Australia, say they broadcast a program especially for American listeners between 3:00 and 6:30 A. M., EST., every Saturday.

G. R. Cussen, of Brooklyn, N. Y., writes us that station GBX may be heard working VK2ME on a wavelength of 24.7 meters, between 5 and 7 A. M., EST.

Forest Ashworth, of Greencastle, Ind., tells us that he has received a verification of reception from the station at Saigon, Indo-China, which is heard on 49 meters in the early mornings. He gives the address as Cie Franco-Indo-Chinese de Radiophonie, 106 Blvd. Charner, Saigon. Mr. Robert Stanton, of Christchurch, New Zealand, send us a letter direct from the station, with the following information: The power is only 12KW and not 60 KW as some announce. The call letters are F3ICD and the station is located at Chi-Hoa, which is 6 kilometers from Saigon. The schedule is from 7 A. M. till 10:30 A. M., EST., daily except Wednesday and Saturday. On Wednesday they go on the air at 6:30 A. M. and they have no Saturday schedule.

Mr. R. N. Shaw, of Wauchope, Australia, sends some very interesting information on reception conditions in Australia. As many of us know Australian listeners are now having summer and with it comes the noises so common on the higher wavelengths in summer months. Mr. Shaw tells us that station VQ7LO at Nariobi Kenya, Africa, is heard very well, between 1700 to 1930 GMT. on 49 meters. The station at Saigon, F3ICD, is the best station on the air, while excellent reception is had at times from RV15, KA1XR, as well as many phone stations and broadcast stations in the United States. He also tells us that he is hearing two new Russian stations on 41 and 47 meters whose identity is not known. A new Japanese station on approximately 19.5 meters is also heard. Australian listeners are also praying for station I2RO, the station at Rome, Italy, to stay on 25.4 meters.

We also wish to thank Mr. Shaw for an article on the I. S. W. C. in the popular Australian radio publication, "Wireless Weekly."

Station W9XAA, Northeast Tower, Navy Pier, Chicago, Ill., has been testing on 25.34 meters and on 16.87 meters. They are anxious to receive reports of these new wavelengths and we ask our readers to kindly report direct to the station. They inform us that no definite schedule has as yet been arranged.

Mr. A. D. Webster, Kingsford, Woking, Surrey, England, informs us that a Belgian amateur is broadcasting on 41 meters each day between 5 A. M. and 7 A. M., EST. It is heard nicely in England and may perhaps be heard in America.

Thomas Reaney, of New York, sends us a correction to the schedule of W3XAL, Boundbrook, N. J., on 49.18 meters. They broadcast from 5 till 6 P. M. and from 11 P. M. till 1:00 A. M., EST.

Over one hundred letters were received on the stations that were relayed in the largest International radio broadcast ever known, which took place on Christmas day. These stations were heard testing many days in advance of the relays and hundreds of listeners were enabled to listen-in on them. From all sources, we understand the following stations took part: KEV on 38 meters, KEZ on 28.7 meters, KEL on 43.7 meters and KWE on 19.7 meters, were on the American end. These stations are located at Point Reys and Bolinas, California. KIO on 25.65 meters and KEQ on 45.5 meters, at Kauhuku, Oahu, Hawaii, broadcast the Hawaiian part. J1AA at Kemikawa or Iwatsuki, Japan, and operating on a wave-

length between 37.5 and 40.5 meters (no two agree on the proper wavelength) sent a program from Japan. KAZ on 30.3 meters and KBK on 46 meters at Manila, P. I., relayed the program from Manila. The station at Zeezen and station DGW on 14.83 meters relayed the program from Germany. The stations of the G. P. O. at Rugby, England, relayed the speeches from England, and station LSN relayed the program from Argentina.

Many of these stations were heard testing weeks in advance and tests with the stations in Hawaii, Japan and the Philippines were heard between 5 A. M. and 11 A. M., on the lower wavelengths and from 5 P. M. till 1:00 A. M. on the higher waves. Many thanks is given the following for their reports on these tests. Francis Slot, of Hood River, Ore.; Joseph Reaney, of New York; Willis Werner, of San Diego, Cal.; Dr. Rodgers, of Conneaut, Ohio; Fred Easter, of Cincinnati, Ohio; Edmund Kirchner, of Wheeling, W. Va.; Arthur Stapfer, of St. Louis, Mo.; Gilbert Peters, of New York, and J. E. Bright, of San Jose, Cal.

Fred Easter, of Cincinnati, Ohio, sent us a report on December 1st, of a new Mexican station operating on approximately 25.6 meters. At the time, it was on the air between 1 P. M. and 3 P. M., EST., but later on this was changed. During the month this station was heard by hundreds of listeners, and the schedule became later and later in the day. As this issue goes to press, the station is operating between 5 P. M. and 7 P. M., EST. Th call letters sound like XDA, but XDA was heard on 20.5 meters broadcasting news reports while this station was broadcasting musical selections.

Mariam Prazowski, of Chicago, Ill., George Pickard, of Fort Worth, Texas, and David Thomas, of Proctorville, Ohio, report station X26A, a Mexican amateur station on 43 meters, broadcasting musical selections, between 11 P. M. and 4 A. M., EST. Mr. Prazowski informs us this station is located in the Hamilton Hotel at Loreda, Mexico, and the announcer states that he has been heard in Sweden, Hongkong and Chile.

Donald F. Wright of San Pedro, Cal., writes us that he picked up a station located at Shanghia, China, on a wavelength of 37.3 meters on December 24th, at 5:30 A. M., EST. He tells us the announcements were very clear and the announcer gave his location as Shanghia several times.

Dr. Charles J. Imperatori, of New York City, informs us that he has a communication from Phillips South American Export Company, operating station LU2A, which states they have moved to 31.6 meters and are on the air each day from 3 till 6 P. M. EST. Dr. Imperatori does not give us the location of the station, but from other reports we understand this is the station in Buenos Aires which is heard broadcasting the programs of the Buenos Aires Radio Club daily excepting Sundays, just above W2XAF. Readers will recall mention of this station in past issues of this magazine.

"TIME"LY TUNING TIPS

The "hit" of last month's magazine was this section. We can easily see that what our readers like is something to tell them what to tune for. But, however, it will require the help of many to keep this section up-to-date. We can only tell you what stations are heard best in Ohio. You

will have to tell us what is heard best in your section of the world. Everyone familiar with short wave reception knows that only certain stations can be heard at certain times of the year and certain times of the day.

Every station in our station list was heard by some member this month. The best stations, as this copy goes to press are as follows: Listeners in the Eastern and Central Time zones—from 4 A. M. till 9 A. M., tune for RV15, ZLW, VK3ME (on Saturdays), KA1XR and VK2ME. From 7 till 9 A. M. tune for PK3AN, Rabat, F3ICD, G5SW (7:30-8:30 A. M.) and tune for any station below 20 meters. From 9 A. M. till 2 P. M. tune for stations below 20 meters, I2RO, the ship stations between 20 and 24 meters and LSN. From 2 P. M. till 7 P. M. tune for LSN, I2RO and phone stations. From 7 till 9 P. M. tune for LSX, LSOR, LSN and phones. From 9 P. M. till 12 P. M. tune for Prado, HRB, HKC, X26A, HKF and HKD. (Time given is Eastern Standard).

Listeners in the Mountain and Pacific time zones should tune as follows (Pacific time). At 3 A. M. tune for KA1XR, RV15, VK2UZ, VK3ME, PK3AN and F3ICD. From 7 till 9 A. M. tune for stations below 20 meters and many of the above stations. From 9 A. M. till Noon tune for stations below 20 meters. From 4 till 6 P. M. tune for LSX. From 6 till 11 P. M. tune for HKC, HRB, X26A, Prado and HKF.

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"ON-THE-AIR"

We wish to call attention to the following list of stations. To some, after reading other radio publications, it may seem small and incomplete. It is not supposed to be a list of the world's stations, but a list of the active stations of the world that can be heard at this time. If all the stations in all the lists we have seen were compiled in one list, they would number over 500. How many can you hear? The times given in Eastern Standard, which is five hours later than G.M.T. Telephone stations are followed by the call letters of the stations they work.

- 14.01—WLO, Lawrence, N. J., 6 A. M.-4 P. M. LSN.
- 14.15—LSN, Buenos Aires, Arg., 10 A. M.-2 P. M. WLO.
- 14.55—PMB, Bandoeng, Java, Mon., Wed., Thur., Sat., 5:40-10:40 A.M. PCK.
- 14.70—GBP, Rugby, England. 6 A. M.-2 P. M. Ships and LSN.
- 14.83—DGW, Nauen, Germany, tests, 10 A.M.-3 P.M. LSG.
- 15.02—LSG, Buenos Aires, Arg., 10 A. M.-2 P. M. FTM.
- 15.14—WMI, Deal, N. J., 6 A. M.-4 P. M. GBU.
- 15.50—FTM, St. Assise, France, 10 A. M.-2 P. M. LSG.
- 15.61—WNC, Deal, N. J., 6 A. M.-4 P. M. GBW.
- 15.93—PLE, Bandoeng, Java, Tues., Fri., 5:40-10:40 A. M. PCK.
- 16.11—GBU, Rugby, England, 6 A. M.-2 P. M. WMI.
- 16.3 —PCK, Kootwijk, Holland, 6 A. M.-9 A. M. Java.
- 16.36—WND, Deal, N. J., 6 A. M.-4 P. M. GBS.
- 16.38—GBS, Rugby, England, 6 A. M.-2 P. M. WND.
- 16.44—FRE, St. Assise, France, 11 A. M.-12 A. M. FZR.
- 16.5 —CGA, Drummondville Canada, 6 A. M.-2 P. M. GBK.
- 16.54—GBW, Rugby, England, 6 A. M.-2 P. M. WNC.
- 16.57—GBK, Bodmin, England, 6 A. M.-2 P. M. CGA.
- 16.82—PCV, Kootwijk, Holland, 6 A. M.-9 A. M. Java.
- 18.37—VK2ME, Sydney, Australia, tests irreg. GBX.
- 18.44—WLO, Lawrence, N. J., 8 A. M.-4 P. M. LSN.
- 18.5 —FZR, Saigon, Indo China, 11-12 Noon. FRE.
- 18:56—GBX, Rugby, England, 4 P. M.-11 P. M. VK2ME.
- 18.8 —PLG, Bandoeng, Java, 6 A. M.-9 A. M. PCK.
- 19.56—W2XAD, Schenectady, N. Y., 1 P. M.-3 P. M.
- 19.72—W8XK, Pittsburgh, Pa., Wed., Sat., 7:00-11:00 A. M.
- 20.5 —XDA, Mexico City, Mexico. 2:30 to 3:00 P. M.
- 20.50—WMI, Deal, N. J., 6 A. M.-6 P. M. GBU.
- 20.7 —GBW, Rugby, England. 9 A. M.-4 P. M. WNC.
- 20.73—WMC, Deal, N. J., 6 A. M.-6 P. M. GBW.
- 20.95—G2NM, Sonning-on-Thames, England. 1:30-3 P. M., EST. Sundays.
- 22 —LSN, Buenos Aires, Arg., 2 P. M.-5 P. M. WLO.
- 22.40—WND, Deal, N. J., 6 A. M.-6 P. M. GBS.
- 22.5 —GLSQ, S. S. Olympic—GFWV, S. S. Majestic. All hours. Shore.
- 23.36—WOO, Deal, N. J., 6 A. M.-6 P. M. Ships.
- 23.70—UZA, Drummondville, Canada, 6 A. M.-6 P. M. Ships.
- 23.86—Rabat, Morocco, 4 A. M.-8 A. M. FTN-FTE and Bed.
- 24.23—GDLJ, S. S. Homeric, afternoons. Shore.
- 24.41—GBU, Rugby, England, 2 P. M.-7 P. M. WMI.
- 24.60—GBX, Rugby, England, 4 A. M.-9 A. M. VK2ME-VLK.

- 24.6 —GBS, Rugby, England, 2 P. M.-7 P. M. WND.
- 24.65—FTN, St. Assise, France, 3 A. M.-9 A. M. FZR and Rabat.
- 25.25—W8XK, Pittsburgh, Pa., 12 noon-10 P. M.
- 25.30—KA1XR, Manila, P. I., irregular, 1 A. M.-9 A. M.
- 25.34—W9XAA, Chicago, testing.
- 25.40—I2RO, Rome, Italy, irregular, 11 A. M.-1 P. M., 2:30-5 P. M.
- 25.53—G5SW, Chelmsford, Eng., Mon to Fri., 7:30-8:30 A. M., 2-7 P. M.
- 25.6 —CJRX, Winnepeg, Can., 5:30-8:30 P. M., Tues., Thur., Sat., 10:30.
- 25.60—X—, Mexico, broadcasting irregularly, 2-7 P. M.
- 25-65—KIO, Kauhuku, Oahu, irregular, 2 P. M.-8 P. M.
- 26.10—KA1XR, Manila, P. I., irregular, 1 A. M.-9 A. M.
- 27.3 —ZLW, Wellington, N. Z. Testing, 3 A.M.-8 A.M. VK2ME.
- 28. —GBP, Rugby, England, irregular. VLK.
- 28.44—WLO, Lawrence, N. J., 4 P. M.-5 A. M. LSN.
- 28.5 —VK2ME, Sydney, Australia, 1 A. M.-7 A. M. GBX.
- 28.80—KEZ, Bolinas, Cal., testing, irregular, 11 A. M.-9 P. M.
- 28.98—LSX, Buenos Aires, Argentina, broadcasts 7-9 P. M.
- 29.15—LSN, Buenos Aires, Arg., phone to GBP, FTN and Rabat.
- 30.15—GBU, Rugby, England, 5 P. M.-11 P. M. WMI.
- 30.3 —LSN, Buenos Aires, Argentina. 6 P.M.-6 A.M. WLO.
- 30.40—WMI, Deal, N. J., 4 P. M.-5 A. M. GBU.
- 30.50—NRH, Herdia, Costa Rica, 10 P. M.-11 P. M.
- 30.57—LSOR, Buenos Aires, Arg., broadcasts 6 P. M.-9 P. M.
- 30.6 —GBW, Rugby, England, 5 P. M.-10 P. M. WNC.
- 30.77—WMC, Deal, N. J., 4 P. M.-5 A. M. GBW.
- 31.3 —PCJ, Eindhoven, Hol., Thur. 1-3 and 6-10 P.M., Fri. 1-3 and 7-12 P.M.
- 31.3 —W3XAU, Philadelphia, Pa., 8 A. M.-4 P. M.
- 31.30—KA1XR, Manila, P. I., irregular, 1 A. M.-9 A. M.
- 31.35—W1XAZ, Springfield, Mass., 7:30 A. M.-11 P. M.
- 31.38—Zeesen, Germany, 3 P. M.-6:30 P. M., irregular.
- 31.48—W2XAF, Schenactady, N. Y. 5:30-11 P.M.
- 31.55—VK3ME, Melbourne, Australia, Sat. 3 A. M.-6:30 A. M.
- 31.60—LU2A, Buenos Aires, Argentina, 3 P. M.-6 P. M.
- 32.00—VK3UZ, Melbourne, Australia, Sun., Tues., Fri., 3-7 A. M.
- 32.1 —CGA, Drummondville, Can., 6 P. M.-6 A. M. GBK.
- 32.26—Rabat, Morocco, 3 P. M.-6 P. M., broadcasts and phones FTN.
- 32.4 —GBK, Bodmin, England, 6 P. M.-6 A. M. CGA.
- 32.70—WND, Deal, N. J., 5 P. M.-10 A. M. GBS.
- 33.25—GBS, Rugby, England, 6 P. M.-6 A. M. WND.
- 34.1 —GLSQ, S. S. Olympic—GFWV, S. S. Majestic. All hours. Shore.
- 34.68—W2XV, Long Island City, N. Y., Wed. and Fri., 8-10 P. M.
- 34.68—W2XCU, Ampere, N. J., Mon.. 7-9 P. M. daily, 12 noon-1 P. M.
- 34.76—WOO, Deal, N. J., 5 P. M.-5 A. M. Ships.
- 35.5 —WSBN, S. S. Leviathan, irregular, evenings. Shore.
- 36 —G2AA, Rugby, England, 6 P. M.-6 A. M. Ships.
- 36.92—PLW, Bandoeng, Java, Fri., 3 A. M.-7 A. M., also irregular.
- 37.76—VK2ME, Sydney, Australia, tests, 3:00-7:00 A. M. GBX.
- 37.50—J1AA, Kemikawa or Iwatsuki, Japan, testing 5 A. M.-11 A. M.
- 39.80—El Prado, Riobamba, Ecuador, Thursdays, 9 P. M.-11 P. M.
- 41.70—HKF, Bogota, Colombia, 5-7 P. M. and 11 P. M.-1 A. M., broadcasts.

- 42.90—HKD, Barranquilla, Colombia; Mon., Wed. and Fri., 9-11 P. M.
 42.9 —GBS, Rugby, England, 6 P. M.-6 A. M. WND.
 43.00—X26A, Loreda, Mexico, 11 P. M.-4 A. M., broadcasts.
 43.7 —KEL, Bolinas, Cal., testing, irregular. J1AA.
 44.40—WND, Deal, N. J., 5 P. M.-5 A. M. GBS.
 44.50—KEQ, Kauhuku, Oahu, Hawaii; testing, 11 P. M.-10 A. M.
 46.00—KBK, Manila, P. I., testing with KEZ, 5 A. M.-11 A. M., irregular.
 47.81—HKC, Bogota, Colombia, 8:30-11:30 P. M., except Sundays.
 48.62—HRB, Tegucigalpa, Honduras, Mon., Wed., Fri. and Sat., 9-12 P. M.
 48.70—VE9CL, Winnipeg, Canada, 5:30 P. M.-11 P. M., broadcasts.
 48.80—KA1XR, Manila, P. I., irregular, 1 A. M.-9 A. M.
 48.86—W8XK, Pittsburgh, Wed., Sat., 5:00-11:00 P. M.
 49.00—F3ICD, Chi-Hoa, Indo-China, 7-10:30 A.M. exc. Sat., Wed. 6:30 A.M.
 49.02—W2XE, New York, 8 A. M.-12 P. M.
 49.18—W3XAL, Boundbrook, N. J., 5 to 6 and 10 to 12 P. M.
 49.22—VE9GW, Bowmanville, Canada. 6:45-9:30 A. M., 5-12 P. M.
 49.34—W9XAA, Chicago, Ill., 7-9 A. M., 7-10 P. M.
 49.5 —W8XAL, Cincinnati, Ohio, 1:30-3:00 P. M., 6 P.M.-1:30 A.M.
 49.5 —W3XAU, Philadelphia, Pa., 4 P. M.-11 P. M.
 49.70—PK3AN, Sourabaya, Java, irregular, 6 A. M.-9 A. M.
 49.7 —W2XAL, Coytesville, N. J., irregular.
 49.83—W9XF, Chicago, Ill., 3:30-7:00 and 8:30 P. M. to 1:00 A. M.
 52.7 and 95.4—Airport stations.
 62.7 —UZA, Drummondville, Canada, irregular. G2GL.
 65.1 —WSBN, S. S. Leviathan, irregular. Shore.
 70.1 —RV15, Khabarovsk., U. S. S. R., 3 A. M.-9 A. M.
 70.2 —GDLJ, S. S. Homeric. Irregular hours.
 72.7 —GLSQ, S. S. Olympic—GFWV, S. S. Majestic. Irregular hours.

STATION ADDRESSES

English Phones: Radio Section, G. P. O., London, E. C. I. G2NM: Sonning-on-Thames, Berks, England. German stations: Reichspostzentramt, 11-15 Schoneberger Str., Berlin Tempelhof. Dutch phones: Parkstaat 29, S'Gravenhage, Holland. PCJ: N. V. Philips Labs., Endhoven, Holland. French phones: 79 Boulevard Haussman, Paris VIII, France. I2RO: via Maria Cristina 5, Rome, Italy. The Majestic and Olympic: International Marine Radio, Aldwych, London, England. Leviathan: 463 West St., New York City. HRB: Tropical Radio Telegraph, Tegucigalpa, Honduras. HKC, Universal Radio Corp., Bogota, Colombia. VRY: McInroy Bldg., Georgetown, British Guiana. LSX-LSH: Transradio Internacional, San Martin 329, Buenos Aires, Arg. VE9CL, Royal Alexander Hotel, Winnipeg, Canada. XDA: 43 Colon St., Mexico City. Indo-China phones: Postale Boite 238, Saigon, Indochina. Siamese stations: Royal Post and Tel., Bangkok, Siam. Javanese phones: Government Post and Telegraph, Bandoeng, Java. PK3AN: Sourabaya Radio Society, Balistrat 20, Sourabaya, Pava. Chi-Hoa: Indo-Chinese Films and Cinema Corp., Chi-Hoa, Indo-China. KA1XR: Manila Hotel, Manila, Philippine Islands. VK2ME-VLK: 47 York St., Sydney, Australia.

BIRTHDAY PROGRAM AWARD WINNERS

The special Birthday Program of the International Short Wave Club, celebrating the first anniversary of this organization, which was broadcast from station W9XAA, Chicago, Ill., on Oct. 4th, 1930, has brought reports from every continent. The three judges deciding the winners of the many valuable awards given for excellence in reports on this program has agreed on the list which we present here. Before going into this, however, we wish to call special attention to several facts. The first is that only one award was given to a listener in the U. S. A. Atmospheric conditions made signals on this program skip over almost all sections of this country. This was not a distance test, but conditions simply put U. S. A. listeners out of the running.

Second is that Station W9XAA broadcast this program at considerable expense to themselves and deserves thanks. The judges, Mr. Gordon C. Hamilton, Mr. Joseph B. Sessions and Mr. Maynard Marquardt also gave freely of their time. And lastly, each and every award in this list was donated by some person or firm.

The prizes reserved for special reports are—1. Complete ten-tube combination receiver, donated by the H. M. Kipp Co., Toronto, Canada, for the best report from a long distance. Awarded Ivan O'Meara, Box 30, Gisborne, New Zealand. 2—Baird 4T receiver, donated by Volcan Radio Co., Mexico City, for best report from Mexico. Awarded Sr. Juan C. March Capuchinas 153, Mexico City. 3—Super DX5 receiver, donated by Norden Hauck, Inc., Philadelphia, Pa., for most complete report. Awarded J. Colin Bellamy, Bridgetown, Barbados, B.W.I. 4—Memberships to the Club donated by Mrs. Gordon C. Hamilton, for the best reports from school students. Won by Donald Parsche, 3230 Wilson Ave., Chicago, Ill. and Miss Estrella Perez Careno, San Angelo, D. F., Mexico. 5—National SW5 Thrill Box, by National Co., Inc., Malden, Mass., for best report received from a lady. Awarded Miss Mary Brito, B. Y. 8, LaSeirra, Habana, Cuba.

A Sessions' Chime Clock, donated by Mr. Joseph B. Sessions, Bristol, Conn., was awarded Dudley T. Huston, 13 Sefton St., Timaru, New Zealand. A "Submariner" adapter, donated by the J-M-P. Mfg. Co., of Milwaukee, Wis., was awarded to Kenneth J. Mallalieu, 66 Fredrick St., Port of Spain, Trinidad, B.W. I. Three pair of headphones, donated by Blan, The Radio Man, Inc., were awarded Mr. R. T. Stanton, 17 Martin Ave., Christchurch, New Zealand; Mrs. Myriol Bayley, Box 17, Bridgetown, Barbados, B.W.I. and W. I. Inglis, 84 Hutt Road, Wellington, New Zealand. A Deforest rectifier tube was won by Sr. Jose J. Rivodo, Ave. 13, El Universal, Caracas, Venezuela.

Eight condensers and transformers, donated by the Harrison Radio Co., Washington St., New York City, were awarded to Arthur G. Threan, St. Thomas, Virgin Islands; Victor Lopede Mendoza, calle 16, Habana, Cuba; E. A. Wilson, 36 Cobourg Road, Halifax, Nova Scotia; Nicolas Nin y Valiente, Apartado 57, Jovellanos, Habana, Cuba; G. G. Caccia, Villaggio Giornalisti, Milano, Italy; Wm. J. Boone, 923 Fort St., Honolulu, Hawaii; O. V. J. Martin, Lighthouse keeper, Vamlinbo, Gotland, Sweden, and Noel T. Wicker, 38 Glyde St., Adelaide, South Australia. Two 210 Triad tubes,

donated by the Triad Mfg. Co. of Pawtucket, R. I., were awarded C. B. Dredge, 1 Regent St., Palmerstown, New Zealand, and H. F. Adcock, 39 Opaki Road, Masterdon, New Zealand.

This program, which was very unique and perhaps the first of its kind in history, required the combined efforts of many to bring about its wonderful success. The International Short Wave Club is indebted to each and every one who took part. We especially wish to thank the officials of station W9XAA, the judges, Mr. Gordon C. Hamilton, Mr. Manyard Marquardt and Mr. Joseph B. Sessions and the persons and firms who so kindly donated the awards.

MAPS

Beautiful, artistic Wall Maps, 25c each.

Pursuing our purposes in supplying our members with every need common to short wave listeners, we are able to offer a beautiful 18-color, highly artistic map of the world, measuring 20 by 30 inches, with all the important cities, countries and possessions plainly marked, for a sum of twenty-five cents. Only by purchasing these maps in quantities are we able to sell them at this price. Get one for your radio room and mark the location of the stations you hear.

We Offer You THE FINEST AND BEST IN Short Wave Receivers and Apparatus

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142-B LIBERTY STREET

NEW YORK CITY

BOOSTERS' SECTION

To print the name of each and every booster of this organization would require a space as large as the entire magazine. Each month we choose the names of those who have made some special effort to help, and hope that by so doing we are showing some appreciation for their work.

This month we name the winners of the membership contest. First prize, five dollars, was awarded to Mr. J. C. Shelton, 3703 Euclid Ave., Berwyn, Ill., for fifteen new members. Second and third prizes were divided between Willis Werner, San Diego, Cal.; Robert Stanton, Christchurch, New Zealand; D. W. Beveridge, Tampico, Mexico, and Boris Resh-tiloff, Glen Head, N. Y. Others who deserve thanks for securing new members during the month are, Donald F. Wright, John F. Barry, Fred Easter (English and New Zealand members), H. F. Blancke (Cuban members), Albert C. Koch, Sr. Luis E. Navas Prada (several members in Ecuador), Charles C. Borget, Kelly-How-Thompson Co., Roy Sanders, Gilbert L. Peters, D. Husband, Sr. Manuel Lopez (Cuban members), Economy Tire and Battery Co., Jay W. Power, Radio Equipment Co., Ole Magnussen, Sr. J. A. Seaver (Mexican members), W. F. Ryan.

Others who deserve special thanks for other work are Thomas and Joseph Reaney, Jacob Kleimans, Harold Wright, Charles J. Schroeder, Raymond Yard, Gordon C. Hamilton and Mr. Kenneth H. See. Regardless of how large our organization may become we expect to continue to show our keen appreciation for the kindness shown us, by continuing this Boosters' Section.

Local chapters of the International Short Wave Club have been formed in the cities of Chicago and New York. Meetings of the Chicago chapter are held in the Commonwealth Edison Building, 72 West Adams Street, on the first and third Mondays of each month. Mr. Harold Wright is president, Mr. Gordon C. Hamilton vice-president, Mr. C. J. Hughes, secretary, and Mr. Wm. H. Reeks treasurer.

The New York chapter will hold its first meeting on January ninth, when definite plans will be arranged for other meetings. The two Reaney Brothers, Jacob Kleimans, Raymond Yard, Gilbert Peters and Aage Gronholdt are advocating this chapter. Members are urged to attend, for much good can come of these meetings, both for the listener and the organization.

PEN-PALS

Those wishing to correspond with other short wave fans this month are, Ralph E. Nicols, P. O. Box 202, Stamford, Conn.; George H. McClellan, 8 Fairlawn St., Everett, Mass.; Merton Castleton, Box 115, Newald, Wis. and S. J. Young, 29 Greenwood St., Pasci Vale, Victoria, Australia.

As this issue goes to press, the editor has been ordered to bed by a physician, for an acute illness. An effort will be made to answer each and every letter received but some may not receive prompt attention. Do not hesitate to write us however.

CHI-RAD

- offers the Finest in -

Short Wave Receivers

And Supplies for their Construction
and Operation

At Reasonable Prices

WRITE US FOR A BULLETIN
DESCRIBING THE NEW
NATIONAL A.C.-S.W.-5 SHORT
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PRICES COMPETE
WITH ANY

IF YOU WISH ONE OF OUR NEW CATALOGS IT WILL
BE SENT ON REQUEST—JUST DROP A POST CARD

Chicago Radio Apparatus Co. Inc.

THE OLD RELIABLE FIRM
Established 1921

415 S. DEARBORN STREET

CHICAGO, ILL.

(Please mention this Bulletin)

John T. Powell, of Norfolk, Virginia, kindly sent in a recording of programs which were broadcast from stations LSX at Buenos Aires, Argentina, and W2XCU at Ampere, N. J. It was surprising how clear the announcements could be heard. Before many months roll by, many short wave listeners will be recording the programs they pick up from distant stations to prove their claims and not depend on verifications. Mr. Powell tells us he will have more definite information on how to get these recording machines next month.

W. R. Carmen, of Cincinnati, asks us to inform our readers that the International Bureau of Telegraphic Union, at Berne, Switzerland, prints a list of all the fixed land stations of the world which anyone can secure for \$1.85.

CLUB STATIONERY

The demand for our special club members stationery has proven that it has become quite popular the world over. This stationery is sold at 55c per hundred sheets. It has the club emblem as a head and is distinctive in design. Sending in a reception report to a station on this paper identifies the writer as an active short wave fan immediately.

ALUMINUM SHIELDS

BEAUTIFUL SILVER
DIP FINISH

5x9x6"\$1.88
14x6x6"\$3.93
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Any size to order in 24 hrs.

ALUMINUM COIL
SHIELDS

3½x6½" Straight....49c
3½x4½" Flanged....60c
3x4¾" Incl. Base....55c

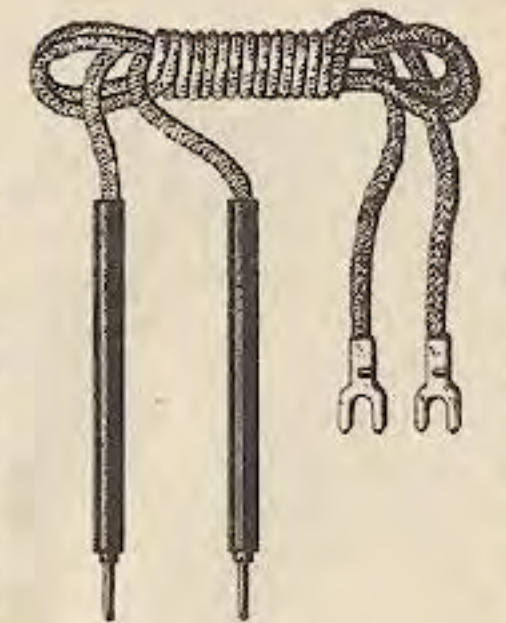
Test Prods—Tips or lugs (as shown), Hard Rubber sleeves over phone tips—20", 45c pair; 36", 65c pair
Long Sleeves, 50" wire.....85c pair

Velvet soft sponge rubber phone cushions (same as used by R.C.A. ship operators).....50c pair

Makes phone listening a pleasure

Red Pilot Lamp and Socket, 18" wire, ready to attach to your set, to save battery.....35c

Official Diagram of any radio set in the U.S....25c each
(Please include postage when ordering)



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We wish to hear from any manufacturer of an efficient Short Wave Receiver. Will accept agency. Send details and full particulars.

TROPICAL RADIO & PHONOGRAPH COMPANY

P. O. Box 271

BRIDGETOWN, BARBADOS, B. W. I.

CALIBRATING A SHORT WAVE RECEIVER

On the broadcast set of today we have the wavelengths in meters or kilocycles marked on our dials. We have also station lists showing exactly what wave each station operates on; and tuning is simply a matter of turning the dials to the corresponding figures. Short wave tuning is different, however. At the high frequency associated with short wave broadcasting, the slightest change in the layout of parts or in the choice of accessories, antenna, etc; may change the dial settings of a receiver. Therefore, the manufacturer can give only approximately the waveband which each coil will cover and let it go at that. To give the newcomer a coil that will cover, say, three hundred channels as wide as required for a station to work, and ask him to find a station, leaves much to guess-work. The manufacturer can not do otherwise, but however, a receiver may be readily calibrated after it is set up and working.

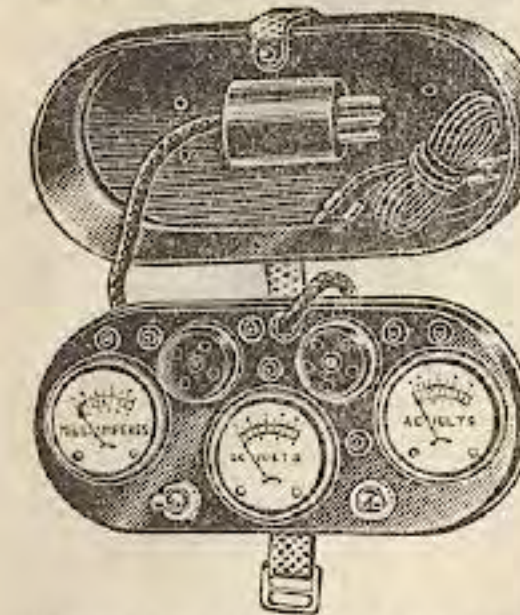
Harmonics of our broadcasting stations operating between 200 and 500 meters are found in many places on a short wave set. These harmonics, although a nuisance because they are so poorly modulated, are the prime factor to be used in calibrating a receiver. These harmonics are most prominent in damp rainy weather. Each has a definite wavelength, just as much so as the broadcast station's fundamental carrier wave. A harmonic must be exactly 1/2, 1/3, 1/4, etc. of the fundamental wavelength. Thus a station on 300 meters will have a harmonic on 1/2, 1/5, 1/9, etc. of 300 meters.

To calibrate your receiver, take a sheet of paper for each set of coils and write down in even rotation on the left hand margin numbers to correspond with the numbers on your wavelength dial. Plug in a coil, and starting at zero, tune in the first station or harmonic you find. If it is a short wave station, then mark down the wavelength it uses opposite the corresponding dial number on the paper. If it is not a regular short wave station and you fail to find it in our station list, it is almost certain to be a harmonic of a station operating between 200 and 500 meters. Look up the authorized wavelength of the station and then divide this by a number that will bring the result nearest the wavelength your receiver is tuned to. For instance, if you are tuned to a wave between 30 and 40 meters and you pick up a harmonic of a station operating on 274.9 meters, then divide this by 9 and the result will be 30.54. Mark this —30.54—on the proper sheet opposite the dial reading. Two things must be noted: First, you must carry the wavelength out two places, since a tenth of a meter covers considerable space on a short wave dial; and you must not expect to complete each sheet in one sitting. A harmonic may be prominent one day and not heard the next. But by continually filling in the spaces you will soon have a completely calibrated receiver.

We can not stress the importance of this procedure too much. Once you have your receiver calibrated and know within one or two points of where a station will be found on the dials, it simplifies distant reception greatly.

The ships and stations working them are very active at this time in the early mornings, on wavelengths between 20 and 25 meters.

Readrite Model 245A Tube Tester



Plugs into the set socket. Meters may be used separately for continuity and general testing. The three (3) double reading meters are: filament and line voltage A. C.-D. C. voltmeter 0-10-140, plate and grid voltmeter 0-60-300, plate milliammeter 0-20-100. Tests A. B. C. S-G. and Cathode Volts, normal plate current and Grid Test charge.

No. 200-245A. List, \$20.00. **YOUR PRICE.....\$11.76**



Duo Speaker

Uses Duo unit, and Burtex diaphragm. A good automobile speaker, 9 1/4 x 9 1/4 x 7 1/8" Shpg. wt. 8 lbs. No. 529. List, \$30. **Your Price \$4.95**



Allen Phonograph Motor

The Allen Synchronous Induction Motor is a sturdy compact motor only 1 1/4" thick with dependability and stamina that makes it a marvel of engineering. It starts and stops at the mere touch of a finger. It revolves at exactly 80 revolutions per minute regardless of voltage fluctuations. It is impossible for the Allen to set up disturbances of any sort in the receiver. The Allen motor is so favorably priced that now you can easily afford to make a combination of your radio. Price of the Allen Motor complete with turntable and mounting parts, **\$3.75**

R.C.A. Chassis

This chassis is identical with that used in the RCA model 100A-100B-106 Speakers. This speaker has built-in output filter and will stand 450 volts without "blast" or distortion. The metal frame is lined with a special self baffling material and the cone surface is corrugated enhancing the tonal reproduction. This Chassis is also ideal for automobile installation. Price **\$3.75**



Farrand INDUCTOR DYNAMIC

Requires no field current supply! Yet produces in true dynamic speaker style. Unit employs two giant size magnets.



Chassis unusually well made of metal. Can be used on any type of receiver, with any "B" voltage applied to same. Clever mounting arrangement. Shipping wt. 7 lbs.

No. 418, 8" Outside Diameter. Your Price.... **\$7.95**
No. 417, 12" Outside Diameter. Your Price..... **\$8.95**



Readrite No. 9 Radio Test Kit

Contains 9 meters fitted in tip jacks 0-50, 0-500, 0-8 D. C., 0-15, 0-6, 0-150 A. C. Voltmeters and 0-10, 0-100, 0-300 Milliammeters, in black leatherette covered case nickel trimmed with leather handle, size 7x10x4" high. Has 4 meter tube tester connected with adapter. Power rheostat, grid switch, 4 and 5-prong sockets and interchangeable meters all on marked Bakelite panel. Will make every usual test of tubes and circuits. Shpg. wt. 6 lbs.

No. 201-9. List, \$35. **Your Price... \$19.75**

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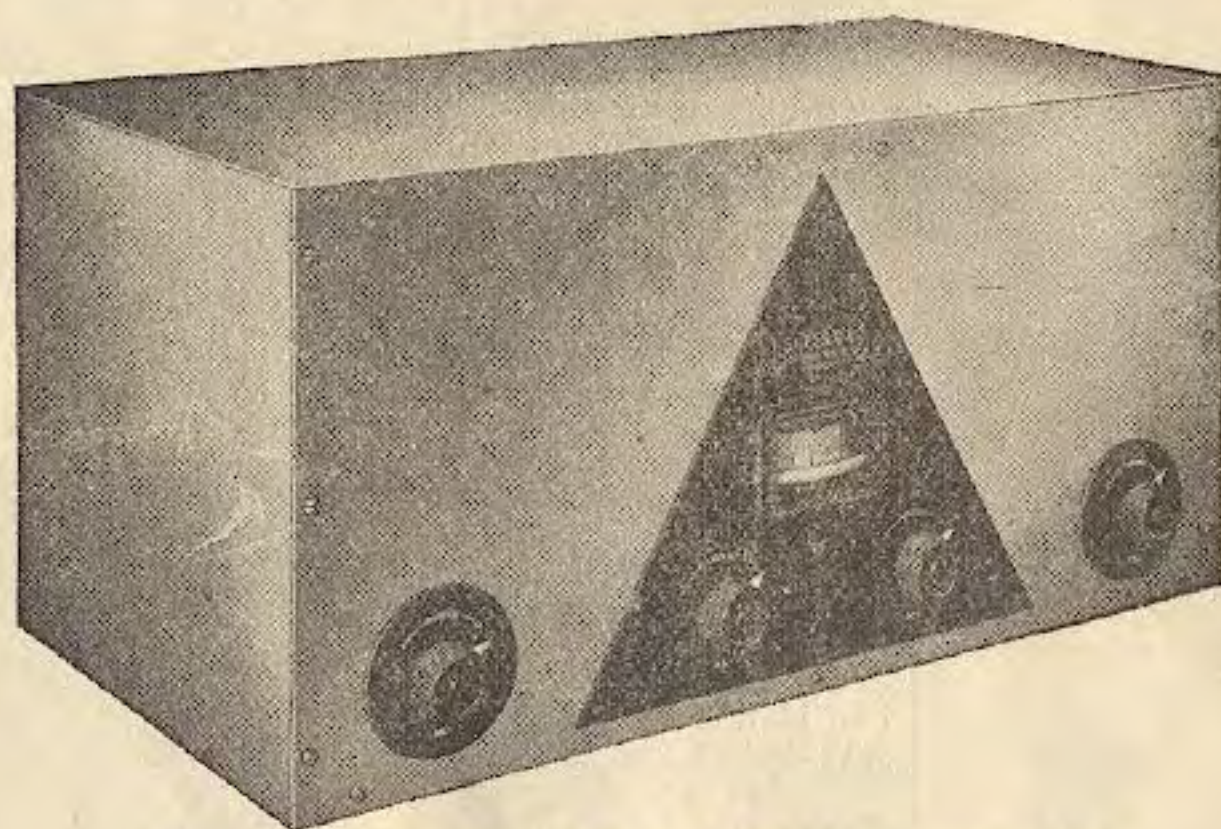
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Size: 9 x 19 x 10 inches. Weight 30 pounds

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