

Corrections

THE GLOBE CIRCLER

DECEMBER 1936



Captain Horace L. Hall, Short-Wave Columnist for "The New York Sun," in his famous Short-Wave Listening Post at Springfield Gardens, L. I., N. Y.

ONE
DIME

INTERNATIONAL DX'ERS ALLIANCE

A MERRY CHRISTMAS TO ALL
Short-Wave Notes and List With Our Midnight Marauders
Big Five Mystery Contest Javanese Network Broadcast
The Featherweight Antenna DX Contest's Awards
Broadcasting Stations of France and Uruguay

WORLD-WIDE BROADCAST CALENDAR

TIME	E.S.T.	KC/S	KW	LOCATION	CALL
Dec. 22	Tues. 1-2:30am	629	20	Lisbon, Portugal	L
	<u>Emissora Nacional, Rua do Quelhas, Lisbon, Portugal.</u>				
Dec. 22	Tues. 8-9pm	9635		Rome, Italy	L 2RO3
	<u>E.I.A.R., Station 2RO, Via Montello N.5, Rome, Italy.</u>				
Dec. 24	Thurs. 6:30-7:30am	9530		Schenectady, N.Y.	A W2XAF
		15330		Schenectady, N.Y.	A W2XAD
	Eugene Darlington, Director S.W. Broadcasting, General-Electric Company, Schenectady, New York.				
Dec. 27	Sunday 2-5am	930	.1	Prescott, Ontario, Canada.	CFLC
Jan. 5	Tues. 1-1:30am	668	20	Jerusalem, Palestine.	F/T
Jan. 15	Friday 1-1:30am	668	20	Jerusalem, Palestine.	F/T
	Special veris will be issued and a small gift for the first dx'er reporting from each country. Address: Mr. Brasher, Chief Engineer, Posts and Telegraphs, Radio-Jerusalem, Jerusalem, Palestine. This is the first DX Broadcast ever put on from the "Holy Land".				
Jan. 27	Wed. 3-4am	1400	1/4	Hilo, Hawaii.	NNRC KHBC
Jan. 31	Sunday 2-5am	930	.1	Prescott, Ontario, Canada.	CFLC
Feb. 24	3-4am	1400	1/4	Hilo, Hawaii.	NNRC KHBC
	DX TIPS PERIODS				
Weekly	Tues. 5:35-6pm	9530		Schenectady, N.Y.	D W2XAF
Weekly	Sat. 12:01am	6140		Pittsburgh, Pa.	EL WRXX
Weekly	Sun. 1-1:15am	640	50	Los Angeles, Calif.	FA KFI
FAD MEMBERS	(L) R. Ludwig. (A) W. Ansell (F/T) W. Frost, R. Tomlinson. (D) Eugene Darlington (FA) Frank Andrews (EL) Ed Lip.				

D I S T R I C T H O N O R R O L L

DISTRICT -6-	Mich, Ind, Ohio, Ky, Va, W. Va, Pa, N.Y., Del, Md, N.J.
David Thomas	19X Ohio VQ7LO, NRH, EAJ5, LOV, Santo Paulo, FN, PRAK, KZRC, G6BM 2BD, 1YX, VUO, Huizen, Warsaw, Moscow, Draitwich, ZBW, ZTJ, CX20.
R. Tomlinson	16X N.Y. CE62, CX34, HAE2, Toulouse-Muret, Lille, Nice, Dresden Konigsberg, (1348), Kosice, LS2, LR2, LT3, HAE, HAE3, LS9, Gleiwitz. (Marseilles)
Ray Lewis	10X Ohio LVI, TIC, 5DN, EAJ41, JOBK2, JPAK, RWMC, Palermo, Naples
Howard Eck	8X Mich 3KZ, PRA6, JOCG, Innsbruck, Stettin, Freiberg, Augsburg, JOVK.
C. Wyborski	7X Pa. HJ3ABD, CX14, TIRC, TIRCA, YN1GG, LS6, Cracow.
Don Reynolds	4X N.Y. Eiffel Tower, Riga; Monte Ceneri, HJ4ABK.
Carl Lord	3X Ohio NN, SN, Suisse Romande.
John Demyer	2X Mich JOPK, JQAK. I. Goodeve 1X Mich 1ZM.
I. Beitman	2X Ohio PRA8, LU2. S. Steele 1X Ohio JOAK2.
R. Hough	1X N.Y. OAX.
DISTRICT -7-	Me, N.H., Vt. R.I., Conn, Mass, NS, NB, Ont, P.Q.
E.B. Roberts	38X Mass RW39, HAE, EAJ2, SBD, SBC, SCP, SCU, SCT, SCO, SCB, CX14, CX16, Horby, Graz, Vienna, Cork, Bergen, Zagreb, Riga, Belgrade, Nice (La Brague), Limoges, Milan 2, Salzburg, Praha 2, Kuldiga, 2NC, JOUK, JOPK JOCG, JONK, Danzig, JOOK, JOLK, JOAG, JORK, JOKK, JBAK.
W. Reichardt	11X Mass JOXK, JOBK2, JOBG, HIF, 7NT, Katowice, Cracow, Kosice, Pecs, Gleiwitz, Naples.
W.C. Birch	5X Mass LS4, CBL32, PRF3, PRH2, LS9.
A.J. Cabral	3X Mass CT1AA, LR2, Brussels 2.
E. Bullard	3X Que. TICR, KGBU, HIH. F. Bisset 2X Ont. 3UZ, 5PI.
Robt. Osborne	2X N.S. Poznan, Palermo. E. Grant 1X N.S. LN.

CHINESE LIST CONCLUDED FROM NOV. GC DJC/DJD HONOR IDA WITH BROADCAST
 1380 XLHE Shanghai, China 50 On Nov. 11, at 9:15pm EST, the Ger-
 1390 XLIN Wusih, China 50 man S.W. stations DJC/DJD were used
 1400 PFZ Ave. Joffre, Shanghai 200 to transmit special greetings and
 (French language used) a program of military music to IDA
 1410 XHIA Hsueh, China 60 members. The program was received
 1440 XLHQ Shanghai, China 50 with splendid volume. We only regret
 1460 XQHE Route Donner, Shanghai. that we learned about the BC
 1480 XQHF Rt. Kalo, Shanghai 250 too late to publicize it in the GC

ARGENTINA LRI, Buenos Aires (1070kc), now operating from 6am to 10pm.
AUSTRALIA New Stations: 2DU, Dubbo, NSW (660kc), 100w on the air.. 2LM, Lismore, NSW (900kc), 500w, operated by Richmond River Broadcasters LTD., was opened on Sept. 21.. 2RG, Murrumbidgee, NSW (1470kc), 50w on the air.. 6WA, Minding Regional Station (560kc), 10kw, delayed by crash of aerial mast on Aug. 26, should be testing in December.. 6GF, Goldfields-Kalgoorlie, WA (720kc), should be testing in December.. A New station is to be erected at Roma, Qsld, on 1470kc, 500w.. a 200w station for Geraldton, WA, is definitely assured. CHANGES: New Frequencies: 2LV, Inverell, 1170kc now 1kw; 2MO, Gunnedah, 1370kc; 2XN now 2LM, Lismore, 900kc; 3AR, Melbourne 630kc; 3MB, Birchip, 1390kc; 3SH, Swan Hill, 1130kc; 3YB, Warrnambool, 1210kc; 4AY, Ayr, 860kc; 4CA, Cairns, 1390kc; 4MK, Mackay, 1080kc; 4TO, Townsville, 1080kc; 4VL, Charleville, 1130kc; 4WK, Warwick, 1360kc, 100w; 7NT, Kelso, 750kc. Latest Power Ratings: 2BL, Sydney, 740kc, 3kw; 2CA, Canberra, 1050kc, 2kw by Jan. 1; 2FC, Sydney, 610kc, 2kw; 2GF, Grafton, 1210kc, 100w; 2GN, Goulburn, 1390kc, 150w; 2MO, Gunnedah, 1360kc, 100w; 2TM, Tamworth, 130kc, 1kw; 2WL, Wollongong, 1430kc, to 600w shortly; 3BO, Bendigo, 970kc to 2kw by Jan. 1; 3GL, Geelong, 1350kc, 100w; 3HS, Horsham, 1370kc, to 1kw soon; 3MA, Mildura, 900kc, 100w; 3UZ, 930kc, 600w; 4BH, Brisbane, 1380kc, 1kw; 4PM, Port Moresby, 1360kc, 100w; 4QG, Brisbane, 800kc, 2kw; 5GL, Adelaide, 730kc, 2kw; 5MU, Murraybridge, 1340kc, 200w; 7HO, Hobart, 860kc, 120w (NZDXRZ-GRDA)
CANADA New Frequencies: CFRN, Edmonton, Alta, 960kc; CJGX, Yorkton, Sask, 1390kc.

CHILE New Stations: CA63, 630kc, 250w, owned by Antonio Cajiao, at Tarapaca 502, Iquique; CB96, 960kc, owned by P. Hermanos, at Aldunete 1381, Coquimbo; CCL27, 1270kc, owned by Rafael Barrios, at Casilla 130, Chillan.

CUBA New Frequencies: CMCU, Havana, 1280kc; CMCQ, Havana, 1410kc; New Power Ratings: CMBZ, Havana, 1000kc, 500w; CMCG, Havana, 680kc, 1kw; CMCQ, Havana, 1200kc, 250w; CMCY, Havana, 1030kc, 5kw; CMKM, Manzanillo, 112kc, 200w; CMJX, Camaguey, 830kc, 500w; CMJA, Camaguey, 1010kc, 300w.

EUROPE NEW OR MORE POWERFUL TRANSMITTERS: 20 new xmters. of 100-150kw will be built in the USSR; A new 20kw xmt. will soon be installed at Belgrade, Yugoslavia; Czechoslovakia contemplates 2 new 100kw xmters. in 1938; Warsaw, Poland, is to have a new 20kw xmt. and a new 100kw xmt. is planned for Cracow; A new 100kw xmt. is to be erected at Vakarél, Bulgaria; Two new 120kw xmters. are planned for Rome Italy; A new 100kw station is proposed for Southern Sweden.

FRANCE Radio Lyons (1393kc), has inaugurated a nightly IBC English broadcast from 5:30 to 7pm EST (Stansfield).. Poste National Radio Paris (LW) to be rebuilt with greatly increased power in the central part of France, between Bourges and Vierzon (Guilbert)

GREAT The new 60kw BBC transmitter at BURGHHEAD on Moray Firth, in

BRITAIN Scotland, which is synchronised with Scottish Regional on 767kc and equipped with an anti-fading aerial, is now in operation (RS)

LITHUANIA Kaunas (153kc), is to go to 100kw power.. The new station at Klaipeda is now in operation.

MEXICO New Frequencies: XEFC, Merida, 550kc; XEF, Juarez, 1450kc; XEH, Monterrey, 720kc; XEPN, Piedras Negras, 730kc; New Power Ratings: XEPN, Piedras Negras, 730kc, 100kw; XERA, Villa Acuna, 840kc, 350kw.

N. Z. 2YA's new 60kw xmt. on 570kc, having a vertical mast 700' high, should be testing in December. Latest Power Ratings: 2ZF, Wairoa 900kc, 250w; 2ZR, Nelson, 920kc, 50w; 3ZR, Greymouth, 940kc, considering increase to 1kw; 4ZB, Dunedin, 1010kc, 30w; 4ZR, Balclutha, 1340kc, 10w.

U.S.A. New Stations: Moorhead, Minn, 1310kc, 100w day; Jamestown, N.D 1310kc, 100w. New Frequencies: WATR, Waterbury, Conn, 1290kc, 250w; WCAL, Northfield, Minn, 760kc, 5kw day; WLB, Minneapolis, Minn, 760kc, 5kw day; WOL, Washington, D.C., 1230kc, 1kw; New Power Ratings: KRNT, Des Moines, 1320kc, 1kw night, 5kw day; KSCJ, Sioux City, Ia, 1330kc, 5kw day; WEAU, Eau Claire, Wisc, 1050kc, 1kw; KMO, Tacoma, Wash, 1330kc, 1kw; KFVD, Los Angeles, Calif, 1000kc, 1kw; WNOX, Knoxville, Penn, 1010kc, 5kw day, 1kw night; WROK, Rockford Ill, 1410kc, 1kw; WPRO, Providence, R.I., 630kc, 500w night, 1kw day; WCAZ, Carthage, Ill, 1070kc, 250w day; WFBG, Altoona, Pa, 1310kc, 250w day; KRNR, Roseburg, Ore, 1500kc, 250w day; WJZ, New York City, 760kc, inaugurated its new 640-foot aerial with 110kw power efficiency on November 15.

VENEZUELA New station: YVIRE, Emisora Philco, P.O. Box 261, Maracaibo, operates on 1120kc. Has English program on Wednesdays from 9-11pm EST.

International



Rx'ers Alliance

Published Monthly Excepting July

CHARLES A. MORRISON
EDITOR

VOLUME 4

BLOOMINGTON, ILLINOIS, U. S. A.

NO. 11

I.D.A. CHAPTERS

BETA (New York): First meeting a big success and much enthusiasm was evident. In future, meetings will be held twice monthly. Local dues were decided upon to establish a fund towards club rooms. For information relative to Beta Chapt contact Edw. Goss, 812 Prospect Pl, Brooklyn, N.Y.

CALGARY FOOTHILLS (Calgary): Meeting on Nov. 9, was well attended. Members are co-operating fine this season and we really expect to have a banner year.

GLOBE RADIO DX'ERS (Australia):—The GRDA-IDA is indebted to PIKE Bros. Ltd., for their offer to supply members in Queensland with receivers and radio parts at a discount.

The IDA-GRDA is now printing its own DX report forms and will have its own official badges available by January 1.

Starting January 1, life membership in the GRDA will be 3/6 for dx'ers in Australia and N.Z. Other countries, the fee will be \$1. There will be no further dues. Every dxer should belong to the GRDA. For details, write to A. Preece, 61 Lipson St., Port Adelaide, S. Australia.

Australian and N.Z. members of the IDA will co-operate in producing a special Australasian Issue of the Globe Circler for February 1937, replete with news and pictures of the NZ and Aussie stations, snapshots of members and an up-to-the-minute Australian station list.

EPSILON (London): 20th meeting of Chapt. on Oct. 27, was well attended and arrangements were made for a feature gathering on Nov. 24, at which a Lissen All-Wave Receiver would be demonstrated. An election of officers re-elected J.W. Knight to the Secretaryship, and Messrs. Ward and Blaber were chosen as a committee to assist Mr. Knight. A junk sale for surplus receiver parts was decided upon.

A new short-wave contest for all British IDA members, with a handicap for the larger sets, to start on January 1, and end on December

31, 1937, was announced by H.M. Blaber. A friend of the chapter's has generously agreed to sponsor a cup for the contest. All-around merit of entries will determine winners.

A visit by the chapter to the Lissen Radio Factory, at Edmonton, arranged by H. Blaber for Dec. 10, at 2:30pm, is eagerly anticipated.

The first re-edition of the British Globe Circler, published by H.M. Blaber, with the editorial assistance of Messrs. Knight and Ward, did not receive the degree of support that had been hoped for. This is your own British fraternal DX organ for local news and tips and if it is to continue, it must receive much greater support. The annual subscription is 3/6 or 4d per each copy. Send your subscription to H.M. Blaber, 9 Stanton Rd, West Wimbledon London, England.

AUTO CITY CHAPTER (Detroit): The charter meeting, which will be attended by Vice-President, J. DeMyer and L. Ambrosius of Plymouth, will be held on November 21.

The Haligonian Chapter in Halifax Nova Scotia, will be organized very shortly. The Voice of Jamaica Chapter, being sponsored by IDA Rep Mrs. Violet Allwood, of Vermont, Chappelton, Jamaica, BWI, will soon be heard from.

RIGHT PICTURE, WRONG MAN

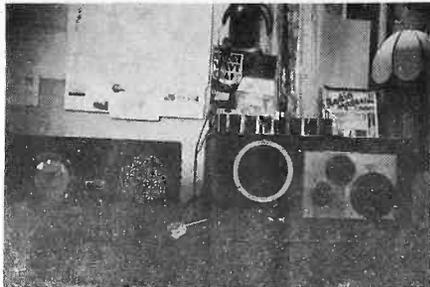
We wish to apologize for printing the caption "James Duhnyak, Phoenixville, Penna., at his receiver", instead of, "David Hutchinson, Manchester, Conn., at his receiver", on a photograph in the November G.C.

-W 2 I X Y-

QRA—Mrs. Dorothy Hall, 186-18 William Ave., Springfield Gardens, Long Island, N.Y. **RIG** is a Collins 30PXC, with 350 watts input. **RECEIVER** is an HRQ. **ANTENNA** is a Johnson 20-meter "Q" directional effect 60 degrees and 210 degrees. A new beam antenna system is being planned. We QSL providing the report is correct. **FREQUENCY** on phone 14.226mc. Am on nearly every morning. **HAVE WORKED** C07CX, G5NI, G6AH, G2IN, F3JD, F3HZ, F8DW and 8 VKs —PK1MK is on at 5:45 a.m. EST.



G.M. CORNFIELD, I.D.A. OFFICIAL REPRESENTATIVE,
IN HONG KONG COLONY AND HIS DX POST.



M.E. LAUL. "SHORT-
WAVE COLUMNIST"
FOR SOUTHERN
RADIO NEWS

G. Hutchins, Ordnance Quarters, Marbyrnong, Victoria,
Australia, wishes to get in touch with real dx'ers
outside of Australia and New Zealand.

APPOINTMENTS

DIRECTOR- 2ND DIST. (Calif, Nevada,
N.M., Ariz.): AUGUST BALBI, 1328
Angelus Ave., Los Angeles, Calif.

FOREIGN REPRESENTATIVE.

Morocco: Andre Touchard, 220 rue
de Strasbourg, Casablanca.

SPECIAL REPRESENTATIVE.

Detroit, Michigan: C.M. Bolton,
11395 Evanston Avenue.

son, P.O. Box 95, Regina, Sask, Canada.
Upon receipt of your fee, you will
be sent an entry card, number, handi
cap rating and a complete set of
rules. Any dx'er may enter either
or both contests and be assured of
an equal chance with any other, re-
gardless of geographical location.
IT IS YOUR DUTY AS AN IDA MEMBER
TO SUPPORT THESE CONTESTS.

E N T E R T O D A Y !

INTERNATIONAL DX CONTESTS AWARDS
TO BE OF EXCEPTIONAL MERIT

Contests Director, James Dicken-
son, is pleased to announce the
International DX Contests awards
will include the following:

AN RME-69 SINGLE SIGNAL CUSTOM-
BUILT RECEIVER (less tubes and
speaker

A Hallicrafters SKY BUDDY receiver
An RCA-Victor de luxe double doub-
let antenna kit.

a set of Kenrad radio tubes.
Miscellaneous trophies and other
awards to be named at a later
date.

We appreciate the awards that the
various manufacturers have kindly
donated. We are especially grate-
ful to the Radio Mfg. Engineers, Inc
of Peoria, Illinois, for their
generous contribution of an RME-69
receiver. The RME-69 is one of, if
not the finest, custom-built DX
receiver built or sold at any
price. The lucky dx'er who wins
this award, will be very fortunate
indeed.

All entries for both the Short-
Wave and the Broadcast Band DX
contests must be in the mail not
later than midnight of JANUARY 15,
1937. This is the last call. Send
in your entry fee of 50¢ at once
to IDA Contests Director J. Dicken-

IDA STAMP GUILD

The latest stamp enthusiasts to
pledge their support to the ISG
are: Leslie Wilson, Tarasni Club,
New Plymouth, N.Z.; Willis K. Jones,
Miami University, Oxford, Ohio; Mrs.
C.P. McGuire, 3220 N. 12th Ave, Bir-
mingham, Alabama. ISG officers will
be elected in January, and we hope
to start a little stamp bulletin
soon afterwards. We want the name
of every stamp collector who wants
to be registered in the ISG

Arthur H. Preece, IDA Gen. Rep., 61
Lipson St, Port Adelaide, South Aus-
tralia, would like to receive re-
ports on Australian SW and BC sta-
tions, also lists of verified Aus-
tralian stations. All reports re-
ceived will be published in an
Australian Radio Weekly.

I N M E M O R I A M

The Passing on October 12th,
of FRED CLAYTON BUTLER, the
FOUNDER and EDITOR of RADEX,
and a real friend of all dx
listeners will be mourned
universally. . . To the new
Editor of Radex, Page Taylor,
our sincere best wishes.

AUSTRALIAN CRICKET MATCHES

Accounts of the Australian Test Matches relayed direct from Australia, will be broadcast in England by the NATIONAL BBC STATIONS (BC), and the Daventry stations in Trans I, at 3:30 a.m. EST, on the following dates: From Brisbane, December 4, 5, 6, 7; From Sydney, December 18, 19, 20, 21; From Melbourne, January 1, 2, 3, 4; From Adelaide, January 29, 30, 31, Feb. 1; and from Melbourne, February 26, 27, 28, March 1. This will afford an excellent opportunity for early morning logging of the BBC stations.

NEW KHABAROVSK STATION HEARD

G.C. Sholin, of San Francisco, concludes that the mystery station reported by A. Saito, of Japan, in the Oct. GC, as operating on 585kc, is the same station that was recently operating on a S. W. frequency of 5.7mc, and assumed by many to be RV15. This station is RV54 of Khabarovsk, USSR, is operating on 540kc at present, and is the best TP on the band for West coast listeners.

TRY FOR OUR AMERICAN DX OUTPOSTS

2nd Monday each month—EST—5:40-6am
 KGMB Honolulu, T.H. 1kw- 1320kc
 2nd Tuesday each month 4:40-5am
 KGBU Ketchikan, Alaska 900kc
 2nd Wednesday each month 2:40-3am
 WKAQ San Juan, P.R. 1kw- 1240kc
 2nd Thurs. each month 4:20-4:40am
 KGU Honolulu, T.H. 2kw- 750kc
 2nd Thurs. each month 5-5:20am
 KHBC Hilo, T.H. 1kw- 1400kc
 2nd Sat. each month 3:10-3:30am
 WPRP Ponce, P.R. 1kw- 1420kc
 2nd Sat. each month 4-4:20am
 KFQD Ketchikan, Alaska 780kc
 2nd Sat. each month 6-6:20am
 KINY Juneau, Alaska 1kw- 1310kc

CHINESE NOTES

All Chinese BCB stations are supposed to relay XGOA (660kc), from 4-5am PST daily. It is very hard to obtain veri's from Chinese speaking stations (unless letter is written in Chinese); excepting Nanking and the other government controlled stations. (Cornfield)

A FEW DX GOALS

HJLABN Armenia, Colombia 1066kc
 YV1RF Maracaibo, Venezuela 1120kc
 YNLF Managua, Nicaragua 1275kc
 KHBC Hilo, Hawaii 1400kc

NOTE: Tune for HJLABN in evenings. YV1RF is on until 11pm EST and occasionally in the early mornings. YNLF may be heard between 4 and 6, or 6:30am EST. KHBC is on the air until 4am EST, Sundays to 5am EST. These are all actually being heard

BEST WEST COAST DX

RV54	540kc	2BL	740kc	3GI	830
RV32	635	KGU	750	JOAK2	870
1YA	650	JOHG	770	JOBK2	940
XGOA	660	JOHK	770	JOXK	980
JOBK1	690	4YA	790	2GZ	990
JOCK1	730	JOIK	810	2NC	1230

RECEPTION IN ENGLAND (1-4am GMT)

LR5	830	CMCY	1030	WCAU	1170
TIEP	850	WTIC	1040	LS2	1190
LR6	870	CX26	1050	VONF	1195
LR3	950	LR1	1070	PRE3	1220
KJR	970	WPG	1100	WKAQ	1240
LR4	990	LR8	1150	WNEL	1290

BCB reception has been poor in England recently; South Americans fair to good, and North Americans poor to fair. (Stansfield)

BEST PRESENT BETS ON EAST COAST

1YA	650	MYSTERY	980
2NR	700	BELFAST	977
CB76	760	LR4	990
4YA	790	RENNES	1040
MILAN	814	LR1	1070
LR5	830	BORDEAUX	1077
CX16	850	NORMANDIE	1113
LR6	870	TURIN	1140
LR3	950	FRANKFURT	1195
P.P.	959	4AK	1220

Reception as a whole has been poor. South Americans best heard between 9-10pm EST; TP's near 5am EST and TA's either between 4:30 and 6pm or midnight and 2:30am EST

E. ROBERTS REPORTS EXCELLENT VERIS

Among the veri's received during the past few months by expert BCB dx'er, Evans Roberts, of Danvers, Mass., he lists no less than 14 Japanese veri's, the best being JBAK, a 150 watter. Others are JOUK, JOFK, JOCG, JONK, JOOK, JOJK, JOLK, JOBK, JOAG, JORK, JOAK, JOQK, JOKK and JOSK. Evan has also received recent veri's from Kuldiga, Bard, Gavle (SCD) and 2NC. Despite generally unfavorable dx conditions, Mr. Roberts is hearing many of the smaller TA's this season.

LONG WAVES ARE CONSISTENT

E.L. Peters, of Westport, N.S. Canada, finds that the Long Wave BCB stations are much more consistent than the broadcast band stations. With European reception at a stand still on the broadcast band, such L.W. stations as Warsaw, Oslo, Moscow #1, Droitwich, Lahti, Radio Paris, Luxembourg, Motala and Deutschlandsender, are coming in with good signals. Mr. Peters would like some aid in positively identifying the Spanish station on 980kc, which he believes is PRER, Radio Nacional, of Rio de Janeiro, Brazil, on a new frequency rather than PRC6.

BROADCASTING STATIONS OF FRANCE
(Courtesy French Consulate in Chicago)

STATE STATIONS

NAME	ADDRESS	KW/S	KC/S	HOURS AT WHICH IT WORKS- EST.
RADIO PARIS	11 rue Francois 1er, Paris.	80	182	Sunday 2-7:15pm; Weekdays 1:45-3:30am, 6am-7:15.
ALPES-GRENOBLE	1 rue Hauquelin, Grenoble.	15	583	Sunday 1:50am-6:30pm; Wkdys, 1:50-5am, 6am-6:30pm.
LYON-LA-DOUA-PTT	56 Quai Jules Courmont, Lyon.	90	648	Sunday 1:50am-6:30pm; Weekdays 1:50-5am, 6am-6pm.
PARIS PTT	103 rue de Grenelle, Paris.	120	695	1:50am-7pm; Weekdays 1:50am-5am, 6am-6pm.
MARSEILLE-PROVENCE	32 rue Croix de Regnier, Marseille	100	749	Daily 1-6:30pm.
TOULOUSE-PYRENEES	50 rue Gambetta, Toulouse.	120	776	Sunday 1:50am-6:30pm; Weekdays 1:50-5am, 6-9:30am, 10:30am-6:30pm.
STRASBOURG-BRUMATH	30 rue du 22 novembre, Strasbourg	80	859	Sunday 2-3am, 5am-7pm; Wkdys 2-3am, 6am-7pm.
RENNES-BRETAGNE	Hotel des Postes, Rennes.	120	1040	Sunday 1:50am-6pm; Mon, Wed, Fri 1:50am-6:30pm, Tues, Thurs Sat 1:50-3am, 6am-7pm.
BORDEAUX-LAFAYETTE	Hotel des Postes, Bordeaux.	25	1077	Sunday 1:50am-7pm; Weekdays- 1:50am-4pm, 6am-6pm.
NICE PTT	Nice.	60	1185	Sunday 1:50am-6:30pm, Weekdays 1:50-4am, 6am-6pm.
RADIO PTT NORD	36 Bd. de la Liberté, Lille.	60	1213	Sunday 1:50-5am, 6am-6:30pm.

PRIVATE STATIONS

RADIO AGEN	rue Amouroux, Agen.	15	832	Sun 6:55-10am, 2-6pm; Wkdys 6:55-9:30am, 2-5pm.
RADIO TOULOUSE	51 rue Alsace-Lorraine, Toulouse	60	913	Sun 8:55am-7:30pm; Wkdys 3am-5am, 12:45-7:30pm.
POSTE PARISIEN	4 rue du General Foy, Paris.	60	959	Sun 3am-6pm; Wkdys 2:10-3:30am, 7:05-10am, 1:20-6pm.
RADIO NORMANDIE	Villa "La Grandiere, Pecamp.	20	1113	Sun 3am-8pm; Wkdys 3am-6:30pm; Thurs 3am-8pm.
RADIO COTE D'AZUR	Plateaux Fleuris, Antibes.	15	1276	Daily 7:15-9am, 3-6pm.
RADIO LYON	39 rue de Marsaille, Lyon.	25	1393	Sun 2-3am, 7-9am, 2-6pm; Wkdys 7-9am, 2-6pm.

BROADCASTINGS URUGUAYAS

Característica	Longitud de Onda	Frecuencia en kHz	Potencia en antena EW	NOMBRE DE LA ESTACION	DIRECCION	HORARIO DE TRANSMISION
CX4	491.8	610	1	Dirección de Agronomía	Millán 746	11 a 24, exceptuando domingos.
CX6	461.5	650	0.5	Estación Oficial	Martín Fierro 2603	12 a 14; 17 a 23.
CX8	434	690	1	Remón Puyal	Gaigus 3710	De 11 a 14 y de 18 a 23.
CX10	411	750	1	Internacional Broadcasting	Industria 2840	11 a 15; 16 a 24.
CX12	389.6	770	1	Radio Westinghouse	Itacabó 2620	10 a 23.
CX14	370.4	810	5	El Espectador Ltda.	Laridá 5760	11 a 23.
CX16	353	850	10	SADREP "La Voz del Aire"	Av. S. Martines 3500	9 a 23.
CX18	337	890	1	Difusora El Espectador Ltda.	Olimar 1364	10 a 14 y 17 a 23, festivos 12 a 24.
CX20	322.6	930	2	Radio Montecarlo	Humberto I° No 4033	11 a 14:30; 16 a 24.
CX22	309.3	970	0.25	Fada Radio	Larrandaga 2781	9:50 a 15:30; 17 a 23:30.
CX24	297	1010	2.5	SADREP "La Voz del Aire"	San Rocas 750	10 a 24.
CX26	286	1050	2	Radio Uruguay	Millán 2370	9 a 14:30; 15:45 a 23.
CX28	275.2	1090	3	Edison Broadcasting	Itacumbó 57	10:30 a 23.
CX30	265.5	1130	0.5	Radio Nacional	Porvenir 2584	9 a 24.
CX32	256	1170	0.5	Radio Aguila	General Horacio 537	10 a 24.
CX34	248	1210	0.5	Radio Artigas	Millán 2370	10 a 16:30; 18 a 23.
CX36	240	1250	0.25	Centenario Broadcasting	Ignacio Núñez 2133	9 a 14; 17 a 23.
CX38	232.5	1290	0.5	Dr. B. Ayala	—	En construcción.
CX40	225.6	1330	0.5	Radio Fénix	Chayos 4534	En construcción.
CX42	218.9	1370	1	Tribuna Sonora	Avenida Italia 3646	11 a 14:30 y 17 a 1 horas.
CX44	212.8	1410	—	SADREP "Radio Montevideo"	—	En construcción.
CX46	206.9	1450	1.5	Radio América	Camino Corrales 2808	10 a 24.
CX48	201.3	1490	1.5	Vázquez y Cia	18 de Julio 1333	10 a 12:30; 14 a 24.
CX4A	48.98	6125	1	Servicio Ofic. de Difusión Radioeléctrica	Martín Fierro 2603	12 a 14 y 17 a 23.
OW19	223.9	1340	0.05	Juan J. Arispuru y Abel Machado	Rocha	10 a 13; 18 a 21.
CW19	223.9	1340	0.06	Jorge Dawson Garcia	Rivera	8 a 11; 14 a 22.
CW23	376	820	0.25	Rosa B. de Hantada	Salto	10 a 12:30; 17 a 20.
CW25	288.5	1040	0.5	Artola, Evangelisti y Cia.	Durazno	10 a 13; 18 a 23.
CW27	441	680	0.25	Ernesto Popelka	Salto	8 a 14; 17 a 23.
CW29	267.0	1120	0.05	Bautista Albo	Mercedes	11:30 a 13; 18:30 a 22:30.
CW31	248	1160	0.25	Salvador E. Pera	Salto	9 a 12:30; 16 a 20 y 21 a 23.
CW33	250	1200	0.075	Omar F. Barreiro	Florida	11 a 13; 20:30 a 23.
CW35	241	1240	0.25	SADREP "Paysandú Broadcasting"	Paysandú	10:30 a 12:30; 17:30 a 22:45.
CW37	214.3	1400	0.025	Enthil Montellanos	Colonia	9 a 11; 14 a 18; 20 a 23.
CW39	227.3	1320	0.1	Miguel Penna	Paysandú	10:30 a 12:30; 17 a 22:45.
CW41	220.6	1360	0.05	Juan J. Arispuru y P. Bruscoleri	San José	10 a 14; 18 a 23.
OW43	214.3	1400	0.1	Volante y Harispuru	Lavalleja	11:30 a 13:30 y 19:30 a 22:30 exc. D. y J.
CW47	202.7	1480	0.1	Rafael J. Espiga	Canelones	11 a 14; 16 a 23.

FROM YOUR PRESIDENT TO YOU
Entering Our Fifth Year

A very Merry Christmas and a Happy and Prosperous New Year to all of you lads and lassies!

Starting on December 1, and running for a six months period, to June 1, 1937, the IDA will sponsor the biggest MEMBERSHIP DRIVE in its history. A fine prize will go to the individual member enrolling the most dx'ers in the IDA. Simultaneously - a District's membership contest will be inaugurated, each district being given a fair, but definite quota, to shoot at. Points will be awarded for each new member and also for each membership renewal. For membership contest purposes, Europe will be considered as one district and Australia-New Zealand as one district. If a member enrolls a dx'er outside his own district, his district will still get credit for that enrollment, providing he can in some way prove he was responsible for that new member.

To open our drive with a BANG!, the IDA membership fee, including a one year's subscription to the Globe Circler (and last minute tips sheet), will be reduced to \$1.00 (4/-) for THIRTY DAYS ONLY (45 days for foreign countries).

Why not slip a \$1.00 bill into an envelope along with the name of some dx friend of yours and consider it a CHRISTMAS GIFT to that friend. The gift subscription would start promptly with the January issue.

Our promise to you - is to give you a better, more accurate and more useful Globe Circler, more club activities and more last minute news than ever before.

We do not believe it is too much to expect every IDA member to enroll at least two dx'ers in the IDA during the next six months. Your director will carefully check this individual quota as these individual quotas will go to compose the record for your district.

We are earnestly soliciting the following goal for each member (1) enrollment of two members before June 1, 1937. (2) Prompt renewal of your own dues, when it falls due. (3) Sending us station notes and DX Tips as often as possible.

We wish to extend our sincere thanks to each member, who has thus far contributed towards the mimeograph fund.

Last but not least, we would like you to forward us constructive suggestions for improving the Globe Circler. In what way can the I. D. A. or the Globe Circler, become more valuable to you?

Starting right now, lets resolve to make this the greatest year in the history of the IDA. If you believe in the IDA, its principles and its aims, don't be afraid to tell others about it.

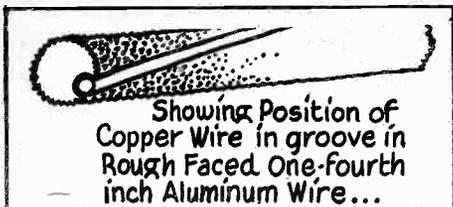
We will be glad to send sample Globe Circlers and information on the I.D.A. to any dx'ers that you might recommend to us for membership.

REGINA JUBILEE TO SPONSOR BANQUET
Regina Jubilee Chapter of Regina Canada, plans a grand banquet and annual IDA meeting for January 5, 1937. A committee has been appointed to sell tickets for the event. Members, wives, YL's and friends, as well as prospective members are being invited. A splendid program is being prepared, which will include musical numbers and prominent speakers in the radio field. Election of officers will also take place. By this social function we hope to create additional interest in the IDA among local members and the ladies in IDA affairs - Through the attendant publicity, we expect to substantially increase our membership and to make Regina and Southern Saskatchewan more IDA conscious.

GREATEST GOOD-WILL BROADCAST EVER DEDICATED TO THE IDA WILL FEATURE ENTIRE JAVANESE NIROM NETWORK
IDA Official Rep. for the D.E.I., J.H.A. Hardeman, van Heutsz weg 38, TJIMAHU, Java, has arranged for a special I.D.A. International Broadcast for SATURDAY, JANUARY 2, 7:15 to 7:30 a.m. EST, to be broadcast over the entire NIROM network, consisting of YDA (3.04), Tandjong priok, Java; YDB (9.65), Sourabaja, Java; YDC (15.15), Bandoeng, Java; PMN (10.26), Bandoeng, Java; PLP (11) Bandoeng, Java, and the 14 relay stations of the Java network (Western). During the program, Mr. Hardeman will personally speak to the World-wide IDA membership. Address your reports to the N.I.R.O.M., Koningsplein West 5, Batavia-Centrum, Java, D.E.I. or to Mr. Hardeman. All correct reports will positively be VERIFIED. A broadcast of this calibre and extent deserves every bit of publicity possible.

FEATHERWEIGHT

(A DX Antenna designed by a famous dx'er for dx'ers)



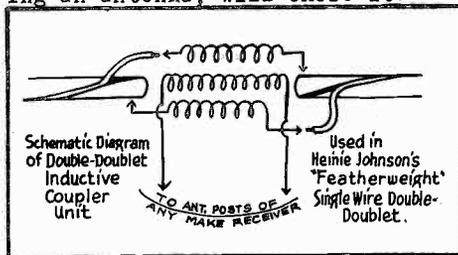
"Featherweight" is the trade name chosen for a brand new light weight, ultra-efficient, two-in-one, tooled, antenna top wire, designed by a well-known dx'er and radio journalist-Heinie Johnson.

FEATHERWEIGHT not only has more than 30 times the pick-up surface found on other antenna wires, but it incorporates TWO good R.F. metal conductors in one wire, -used either as separate wires in action for double doublet purposes, or as a two-skin wire for Marconi, and single doublet type serials. In the one instance insulation is used, in the other, the two metals are allowed to contact thus offering 2 skin, 2 metal surfaces.

Special coupling is required for the double doublet, which allows 8 different antenna combinations to be employed at will by the listener and also gives good directivity in 2 directions without losing signal strength from other directions.

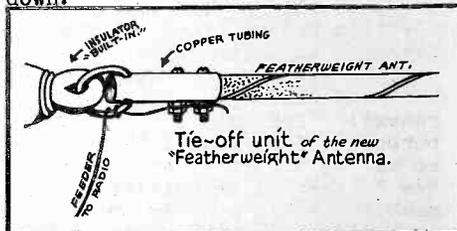
The wire, as used in the Marconi L type serial and single doublet delivers more signal strength into the receiver than any wire known.

As used for the Double-Doublet, it does not produce quite so strong a signal, but offers so many other advantages, that those with all-wave receivers, who dislike tuning an antenna, will choose it.



TECHNICAL DESCRIPTION: Featherweight is a one-fourth inch diameter ALUMINUM wire, used in 19' and 20-foot lengths. In a spiral groove, cut in this aluminum, a #16 insulated or a #14 bare COPPER wire (optional with user) is housed

The pick-up surface of the total antenna is doubled by a special pebbled effect, which aids pick-up as well as increases surface. The whole antenna has a heavy enamel coating to resist weather action. Stiff enough to resist wind vibration, there is practically no limit to the life of the serial, since it will not deteriorate or break down.



DX'ERS CONSIDER THESE POINTS:----

- (1) Featherweight is light. Top wire, coupling unit and insulators together, weigh less than 3 pounds.
- (2) Featherweight is sturdy and will last longer with ordinary use age than the radio connected to it
- (3) Featherweight has an enormous pick-up surface, giving a big boost to those weak signals.
- (4) Featherweight, built of a combination of copper and aluminum, makes use of the best qualities of each.
- (5) Though light, the large diameter wire is very strong, the wind cannot bend it, and there is absolutely no vibration to affect the weak signals.
- (6) Featherweight can be erected in a small space.
- (7) Featherweight is designed to give the ultimate in sensitivity, flexibility and useage. Featherweight is the result of many years of experimentation, in which the ultimate aim was to develop an antenna, entirely new in design, that would give the dx'er and most critical user, as well as the ordinary listener, the finest possible antenna, and yet make its price within reach of every set owner.

The highest amateur broadcasting station west of NYC has been opened in the observation tower of the Chicago Board of Trade Bldg. The antenna of the station, whose call is W9MCS, is 600' above the street. W9MCS, operated by the Lake Michigan Amateur Radio Reserve, is used for emergencies on Lake Michigan. The frequencies are between 56 and 60mc

Short-Wave News

EST						EST
Dec. 22	Tues.	8-9pm	EST	9.635mc	Rome, Italy	IDA 2RO3
Dec. 24	Thurs.	6:30-7:30am		9.530mc	Schenectady, N.Y.	IDA W2XAF
				15.330mc	Schenectady, N.Y.	IDA W2XAD
Jan. 2	Sat.	7:15-7:30am		3.040mc	Bandoeng, Java.	IDA YDA
				9.650mc	Sourabaja, Java.	IDA YDB
				15.150mc	Bandoeng, Java.	IDA YDC
				10.260mc	Bandoeng, Java.	IDA FMN
				11.000mc	Bandoeng, Java.	IDA PLP
				Also 14 relay stations in Western net.		

MONTHLY BIG FIVE MYSTERY DX CONTESTS

The five stations to be logged each month will be marked with an asterisk in the short-wave list (Between freq. and wave-lengths columns)

WINNER: That member submitting the most satisfactory logs on each of the five stations. **OBJECT:** To determine your SKILL, CONSISTENCY, PATIENCE and POWERS OF OBSERVATION as a dx'er. **RULES:** These monthly contests will be for entertainment purposes and to create an added interest in our S.W. list only, and no awards other than those of DX MERIT will be made, therefore, contests will be on a strictly honor basis and verifications will not be necessary. However, each station must be definitely identified and logged for 15 minutes or longer. As soon as each of the FIVE stations have been logged, detailed logs are to be sent in to IDA Headquarters in a separate envelope marked, "BIG FIVE CONTEST" for December, January, or whatever the month may be. Each North American entry must be in this office not later than the last day of December, each European entry must be in not later than the last day of January, and each entry from Australia-N.Z. must be in not later than last day of Feb. Each month, one, two or three months periods, depending upon your own location, will be allowed as the above. First winner will be named in supplement to March G.C. and each month thereafter. Same person winning two times, will be given two-star rating, three times, three-star rating, etc. In reporting be sure and state time used. All rules as the above must be carried out minutely or reports will have to be eliminated.

Roger Legge, of Philadelphia, Penna., and Edward Schmeichel, of Chicago, Illinois, are now eligible for the D.S.W. (Doctor of S.W. Degree).

PLEASE report any important bit of short-wave news at once. Regular monthly S. W. reports should be in this office by the 17th. Write on one side of page only, double space lines, divide items into continents, always state time used. Items in order of relative importance are: new stations; frequency or schedule changes; identifying signals and correct addresses; commercial schedule tips; station photos and unusual receptions. Number of stars denotes importance of item. Four stars is highest rating. How many four-star (***) items can you send?

(E. S. T.) NORTH AMERICA-CENTRAL AMERICA (Megacycles used)

HAMS RE-VO2Z	-14.000	COPYB	-14.000	CO20A	-14.170	VP7NA	-14.260	
PORTED	HH2B	-14.020	VPH1H	-14.100	K6JPD	-14.200	XE2HF	-14.270
THIS	HL1C	-14.030	TI2LR	-14.102	K4UG	-14.204	CO2JM	-14.280
MONTH	VP6YB	-14.044	VP2KM	-14.110	K7PQ	-14.200	VP2DF	-14.300
	TI2DC	-14.050	VP9R	-14.120	K6NTV	-14.230	VP7NA	-14.345
	HH5B	-14.060	XELFY	-14.130	K6MDV	-14.250	VP2GB	-14.350

CANADA

Don Huigs is op. at CFU-5.705, Rossland, B.C., who reads news items for far-north xmtrs. (* Frost) * Sked of CRCX-6.09, Bowmenville: 5:30-11:30pm; Sun 5-11:30pm (* Graham) * VECAS, Fredericton, N.B. has no assigned freq. or sked. (Graham)

C.R.

TIEP-6.682-San Jose, sometimes on as late as 11:40pm (Will) * TIPG-6.41-San Jose, heard testing on 9.591mc, for a few nights (Oxrieder) ** TIRCC-6.55-San Jose, on air again; operates from 7-9:30pm (Dillg, Oxrieder) * TILNRH-9.698-Heredia, may soon transmit on an additional freq. of 14.428mc, with beam on S. Africa, W-U.S.A., Japan (CSWRC)

CUBA

COCQ-6.13-Havana, broadcasts typical Cuban music for English listeners at 5-6, and 8-9pm (*Stansfield) COCQ-Havana, drifts from 9.745 to 9.76mc. An English program by the Rev. A.W. Pain, entitled, "The International Church of the Air", is broadcast daily, ex. Mondays, from

6687
Haw

back to
6410

7:40-7:55am EST. Report to P.O. Box 1373 (* Morrison, Oxrieder, L. Miller)
** NEW-CLX-7.025-Havana, heard testing and working hams at 8pm. Senor Jose Carlos Millas is director of station, and reports should be sent to Secretary of Agriculture, White House, Havana (Laul, E. Roberts) **
Mystery Cuban heard on 30.3 and 31.8mc, daily at noon, with jazz records (C. Criswell-Mission Ranch, Arizona).

D.R. NEW-HI2D-6.9, "La Voz de la Asociacion Catolica, "Ciudad Trujillo, is broadcasting evenings until about 8:40pm. Signs off with violin selection "Ava Maria" (** Oxrieder, Schmeichel) * HRQ, Emisora Carta Real, "La Voz de los Muchachos," Ciudad Trujillo, when last heard, was on 6.197.5mc (Oxrieder).

EL SALVADOR YSL-14.985-San Salvador, calls Mexican stations at 9am.
GREANADA Amateur VP2GB-14.35-St. Georges, Grenada, Windward Islands B.W.I heard at 6 p.m. (** Eddie Schmeichel).

HAITI HH2T-11.84-Port-au-Prince, heard recently, 8:30-9:30pm. - (* Balbi) * HH3W-9.64-Port-au-Prince, signs off with "Anchors Aweigh".

HAWAII "Friendship Serenade", from KGMB, Honolulu, broadcast by KIO 11.68-Kahuku, to KQK-11.95-Bolinas, for CBS net, on Wednesdays, 8-9:30pm. Same circuit used for "Hawaiian Hour", Sundays 8:30-9pm (* Ambrosius, Morrison) * K6XCA-41.8-Ulupalakua, and one on 38.5mc, each to use 150w, granted licenses by the F.C.C.

LABRADOR NEW-VOWQ-Northwest River, Labrador, and CZ5K, Quebec, both owned by Dominion Skyways, Ltd., and both on 8.63mc, work two-way traffic, near 7:10-7:15pm or 8pm. Also use 6.173mc irreg. (** Will, Ambrosius)

MEXICO Unidentified Mexican stations being heard on 5.75mc, 8-9:30 pm, and on 6.115mc (Balbi, Oxrieder) * XAP, Villa Hermosilla, on 8.69mc, heard calling Mexico D. F. at 6pm (Schmeichel) * XBA, Tecubaya, heard on 7mc, broadcasting news from 11:15-11:30pm (E. Roberts) * Broadcast station XEBH-Hermosillo, Sonora, will soon have a S.W. relay (NNRC) * XEW-Mexico D.F. will soon inaugurate a 10kW S.W. relay (Johnson) * XECR Mexico D.F. heard from 7:20-8pm on new freq. of 7.75mc (Ambrosius). don't it.

NICARAGUA YNLAT-7.375, owned by Leonidas A. Tenorio, P. O. Box 17, Granada, is broadcasting from 8-10pm (* Deibe) * Unidentified Managua station on 6.575mc. May be YN1GG (Oxrieder) * Station on 7.55mc, 7563 announcing as "La Voz de Nicaragua", Managua, either YNLF on additional frequency or relaying YNLF (Oxrieder) ** NEW-YNAN-approx. 7.5-Managua, ? "La Voz del Pacifico", is operating from 9-10pm (Deibe) * Unidentified Managua station on 5.76mc. Call sounds like YNY? (Oxrieder) YNOP-5.74-5758 "Radiodifusora Bayer", directed by Ernesto A. Andreas, of Managua, being heard with loud signals near 8pm. May be station heard by Oxrieder, near 5.76mc (Schmeichel).

PANAMA NEW-HP5L- David, heard testing on 11.74mc, Oct. 29 (* Oxrieder).
U.S.A. A few of the APEX stations verified by C. Criswell, Mission Ranch, Phoenix, Ariz: On 31.6mc; W9XAZ-Milwaukee; W2XDV-NYC; W4XL, Spartanburg, S.C; W3XCY, Baltimore and W8XCR (15w), Clairton, Penna. On 35.6mc-W1XAO-Boston police; W2XDV-NYC. Many others heard. W6XKG, Los Angeles already reported in N.Z., will go to kW power (E. Roberts) * Arrangements are being made by NBC to beam extensive daily programs on Central and South America (NBC) ** TELEVISION program for press, put on by RCA-NBC on Nov. 6. New 12" receiving tube was used, which reproduced a picture 7 X 10 1/2". 343 line definition employed. Empire State Bldg. tele vision transmitter will soon radiate 441 line definition pictures.. W6XAO, Don Lee television xmtr., of Los Angeles, now radiates pictures from 8:30am to 6:30pm PST (WOR Press) * W2XAD-Schenectady, N.Y., seeks permission to transmit on 21.48mc (Graham) * New W2XE sked: 21.52mc, 7:30am-1pm; 15.27mc, 1-5pm; 11.83mc, 5-10pm; 6.12mc, 10-11pm (CRS) * New skeds: W3XAL, Boundbrook, N.J. on 6.1mc, daily ex. Sat. 6-11pm, Sat. 6pm-1am; W9XF, Chicago, on 6.1mc, 11pm-1am daily, ex. Sat, Sat. 1-2am (Graham)

SOUTH AMERICA

HAMS RE-PORTED THIS MONTH	OALAG-7.035	LULEX-14.07	CE3DW-14.12	HK3RC-14.318
	PY8BB-14.03	LU6KE-14.09	LU9PA-14.14	HK1GK-14.320
	YV5AK-14.03	LU9BV-14.10	YV5AZ-14.28	LU4BH-14.400
	HK50DC-14.05	HK2RS-14.11	PY8AD-14.29	

ARGENTINA LRU-15.29-Buenos Aires, operates now from 6am-6pm; LRX-9.66 from 6-10pm (* LRU, Jones, Messer, Dilg) * LSX-10.35-Buenos Aires, transmits "Argentina Hour" Mondays and Fridays, from 5 to 6 or 6:30pm (Dilg)

BR. GUIANA VP3BG-Georgetown, on 6.132mc, at present comes on the air Sundays at 5pm (* Oxrieder, Graham) * VP3MR-Georgetown, although claim-

checked in
5775 to 5995 this last month
may have been other

ing freq. of 6.01, is very unstable, varying from 5.986 to 6.017mc. New sked reported as: Sun. 8:45-10:15am; Weekdays, 4:45-8:45pm (* Oxrieder).

COLOMBIA HJU, "La Voz de Pacifico-Buenaventura", now operating on official frequency of 9.51mc (* Oxrieder) * HJLABJ, "La Voz de Santa Marta", Santa Marta, now operating on official frequency of 6.025mc (Oxrieder) * HJLABP-9.616-Cartagena, is broadcasting until about 8am, early mornings (Dilg) * HJ2ABC, "La Voz de Cucuta", Cucuta, now operating on official frequency of 9.575mc (* Oxrieder) -HJ2ABC signs off at 8:40 pm (Sholin) * HJ2ABD-Buraramanga, has been heard testing on various frequencies in the following order: 9.818, 9.825, 9.635, and then back to near old frequency of 5.987mc. Very unstable. (Olthoff, Oxrieder, E. Roberts, C. Miller, Schmeichel) * English broadcasts from HJLABB-6.108-Manizales, on Saturdays, 10-11pm, have been resumed (CSWRC) * HJLABD, Medellin, operates optionally on the following frequencies, depending upon weather conditions: 6.138, 5.9 and 5.78mc (Stark) * HJLABH, "La Voz de Armenia", Armenia, Caldes, operating on an announced frequency of 9.51mc, relays HJLABN, from about 6 to 9:30pm (Oxrieder) * HJLABP, Emisora Philco, Medellin, now operating on 6.033mc (Oxrieder) * HKV, Bogota, 8.795mc, operates on Mondays and Thurs. 7-7:30pm (Patton, Graham)

9520
Now

ECUADOR HCVT, "La Voz de Ambato", Ambato, finally definitely identified on 6.579mc, broadcasts irregularly (* Oxrieder) * HCJB-Quito, now operating on 8.948 and 4.107mc, simultaneously (Stark) ** NEW-HC1PM, "Estacion del Palomar", Quito, operates Tuesdays from 9-11pm, signing off with the "March of Aida". Official frequency is 5.725, but heard near 5.735mc. Address J. Leonardo Ponce, P.O. Box 664, Quito (Oxrieder, Myers, HC1PM) * HC2CW-Guayaquil, very unstable in frequency, varying from 8.2 to 8.3mc (Oxrieder) * HC2JSB-7.854-Guayaquil, signs off at 10:30pm (RG)

PERU NEW station, "Radio Delta", Chiclayo, heard testing on 6.14mc at 1:40-2am. Announcements in English, but no call letters given (Deibe)

VENEZUELA YV1RH, "Emisora Philco", Maracaibo, relays YV1RF (Formerly YV1RG). Varies in frequency from 6.36 to 6.39mc, but is on the latter frequency most of the time. Sked: 6:30-10:45 or occasionally 11pm. English letter box before sign-off on Wed. and Sat. Address P.O. Box 261. (** Oxrieder, Will, Patton, Sholin, Schmeichel, Kiesling) ** NEW-YV5RP, "La Voz de la Philco", Caracas, heard testing on 6.27mc, Nov. 14, from 6-8pm.

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5720
ayan

All announcements in Spanish (Oxrieder) * YV7RMO-6.07-Maracaibo, back on the air again after several months absence. Signed off at 12:45am. (Oxrieder, Sholin) * YV1ORSC-now on 5.713-San Cristobal, back on the air. Signs off at 10pm (Graham, Dilg, Oxrieder) ** NEW-YV15RV, "Radio Valencia", Maracay, announcing frequency as 5.91, but actually on 5.917mc, went on air Nov. 9. Announcements in Spanish and French. Send reports to P.O. Box 125. Tests late at night (Graham, Oxrieder, Balbi)

To be Valencia

EUROPE

HAMS RE-PORTED THIS MONTH	PAOVX-28.10 and 29.00 G6DH -28.093 GC6W -28.075	LALG -14.13 G5PB -14.122	G2DV -14.12 EI6G -14.05 EI8G -14.025
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11,840

BELGIUM ORK-10.33-Ruyssselede, now operating from 1:30-3pm (* Dilg)
CZECHO-SLOVAKIA Broadcasts beamed on Europe 2:25-4:30pm and irregularly from 8:30-10:30am; beamed on N.A., Mon. and Thurs 7-9pm. Various frequencies are being experimented with and broadcasts may be heard on any one of these frequencies: 6.01, 6.115, 9.504, 11.745, 11.76, 11.875, 15.23, 15.32 or 21.54mc (** Radiojournal) (* Patton, Oxrieder, Graham, Campbell, Morrison, Messer, Balbi) (Schmeichel)

DENMARK OXT-12.3-Copenhagen, heard relaying program to U.S. at 1:30p
ENGLAND GSG-17.79-Daventry, being used on trans. II, 6-8:45am; GSL-6.11, being used on trans. V, 6-8pm (* BBC) * The new Daventry super-power short-wave xmtrs. will be ready for the Coronation next Spring.

FRANCE The new 100kW short-wave transmitters of "Radio Coloniale" are to be installed at Les Essarts le Roi, near Paris, as soon as long Wave station, "Radio Paris", vacates this location for its new site. It will probably be several months before these changes are completed. (** Guilbert-Paris) * TYA2-9.04-Pontoise, heard sending program to Algeria, at 2am. TYC-13, phones the Normandie at 10am almost daily (E.S.)

FINLAND Lahti will soon have a short-wave transmitter to provide transmissions to the large Finnish population in the U.S.A. (W. Radio)

GERMANY Experimental transmissions: DZC-10.29, 5-5:45pm, special transmission for Central America; DJP-11.85, 11am-4:30pm or later, with a program for Africa (* Dilg, Messer).

HOLLAND New skeds: Phoi transmissions to D.E.I. over PHI-11.73mc, Sun, Mon, Thurs, Fri and Sat. 8:30-10:30am; Over PCJ-15.22, KRO program for Asia, Sun. 7:30-8:30am.. Happy hour programs, Tues. 4:30-6am and Wed. 8-11am; Over PCJ-9.59, KRO program to Africa, Sun. 2-3pm..and to Central and S. America, 7-8pm-- Happy hour programs, Tues. 1:30-3pm and Wed. 7-10pm. (** PHI/PCJ) * Dutch mystery station on 7.09mc, heard with musical program on Nov.12, signing off at 9:15pm (Oxrieder).

ITALY See S.W.1st for revised skeds.. IAC-17.75, Pisa, calls ITK, IDU, IUG, IUC and ships at 8am and 9am (* Roberts, Schmeichel) * IBC, a new phone station at San Paolo, near Rome, operates on 17.62, 14.41 and 11.955mcs (Roberts).

NORWAY New LKJ1-Jeloy-9.53, heard testing at 3:15-4:13am (Dunigan)

POLAND Present sked of SPW-13.63, Mon, Wed, Fri, 12:30-1:30pm (Dilg)

PORTUGAL CSW, "The National Broadcasting Station", Lisbon, announcing freq. at present as 9.94mc, but actually on 9.95mc, operates from 4 to 7:05pm. Woman announces in English and Portuguese. Clock similar to Big Ben strikes at 7pm. A short news-bulletin in English is usually read just before sign-off. Power is 5kW (** Ambrosius, Oxrieder, Hutchinson, Graham, C. Miller, Kiesling) * CT1AA, "Radio Coloniale", Lisbon, heard near 9.76mc, operates Tues, Thurs, Sat 4-7pm (Deibe).

SPAIN The Spanish station on 9.475mc, covered by C.W., announcing simply as "U.G.T.1, Union General de Tabajadores", and using both man and woman announcers to give war news in several languages daily, from before 4pm to after 5pm, is believed to be either EDZ, Madrid, or EAN (Vallecas), Madrid (** Dilg, Oxrieder, Guilbert, DeMyer) ** The exact present status of EAQ, Madrid, is disputed; after several days absence from its usual freq. of 9.86mc, during which time the programs of EAQ, "The Voice of Spain", were broadcast over EHY-10.07, Madrid, it has again resumed broadcasts on its normal frequency. It is reported that the rebels have captured Aranjuez, the home of EAQ, so that there is some doubt as to who is actually operating EAQ at this time (11/22) (Schmeichel, C. Miller, Hutchinson, Johnson, Oxrieder, Ambrosius, Messer).

SWEDEN SM5SX-11.705, Stockholm, heard irregularly on Tues, Thurs., and Fri. from 5-5:30pm. Will increase power soon (* CSWRC, Graham, Dilg)

U.S.S.R. RNE-12-Moscow, calls RIO-10.16, at midnight (* Graham) * The English programs from RNE 4-5pm are being broadcast by EAQ irreg.

AFRICA

HAMS RE-	FB8VX-28.68	ZU1T-14.34 11pm	ZT2B-14.10 12mid.
PORTED	CN8AA-14.37 After	SU1CH-14.31	ZSHJ-14.06 11pm
THIS	noon	ZT2B-14.30 12mid	ZU6P-14.05 11pm
MONTH	ZS2X-14.36 11pm	SELJR-14.27 11pm	SU1KG-14.04
	FB8VX-14.34 11am	ZU6P-14.07 11pm	EA9AH-7.02 12mid.

BEL. CONGO Station ON4CSL, owned by C. Stegall, American Presbyterian Congo Mission, Lubonda, via Tahmbulu, Kasai, will soon be radiating 50 wats on phone. W8JK contacts ON4CSL, Mondays at midnight.

CANARIAS EAJ43 (or EHZ)-10.37, "Radio Club de Tenerife", Tenerife, operates nightly from 6-9pm. Reports are acknowledged in English near 6:30pm; the Fascist Anthem is played at 7:05pm. A clock strikes the hours (** E. Roberts, Johnson, Dilg, Oxrieder, Messer, DeMyer).

ETHIOPIA IUC-11.955-Addis Abeba, is a standby at midnight and sometimes works Rome, near lam.. IUG-15.45, calls Rome, almost daily at 8am and sometimes broadcasts near 7am (** Schmeichel, E. Roberts).

FR. MOROCCO CNR-12.83-Rabat, calls Paris in French at 10:35am (* ER).

FR. SOMALILAND FZER-17.27-Djibouti, conducts telephone tests irreg (RG)

ITALIAN ITK-16.435 (reported also as 16.385), Mogadiscio, calls and SOMALI- speaks with IAC, Pisa, Italy, in Italian, at 8am and near 6:30pm (** Schmeichel, E. Roberts, Johnson, Joe Miller)

REUNION Amateur FB8VX-14.34-St. Denis, 100 wats, operating daily from 11am to 5pm, heard at 11am by T.P. Jordan, of Pennsylvania. Station also works on 28.68mc, and requests reports (** Jordan).

SO. AFRICA Amateurs being heard in N.A. between 11pm and lam (** Irv-Goodeve, Schmeichel, Hutchinson, E. Roberts).

SP. MOROCCO EA9AH-7.02, owned by F. Diaz Gomez, Soberania Nacional 31, Ceuta, is broadcasting Spanish rebel war news near 11pm (** Schmeichel * An IDA member, T.E. Gootee, formerly of Missouri, now in Tangiers, was nearly shot by a rebel firing squad and has been fired at many times.

TUNISIA Tunis Experimental-7.624, reported broadcasting from 6:30-8:30am and from noon to 2pm by French listeners. .. (Turn to Page 18)

9770
 7693
 9000
 7100
 7167

SHORT-WAVE BROADCASTING STATIONS

SYMBOLS: N- New stations; F- Change in frequency; S- Change in sked. C- Change in frequency and sked; U- Exact frequency in doubt; B- Frequency calibrations according to Oxrieder-IDA Frequency Bureau; J- Jumpers- stations persisting in hopping about; D- Drifts in frequency.

DIAL	METERS	MEGS	CALL	STATION	TIME	E.S.T.
15.77	19.02		H8BPJ	Bangkok, Siam	Monday 7 to 9 or 10am.	
16.86	17.79		GSG	Daventry, England.	6-8:45am.	16m
16.87	17.785		JZL	Nazaki, Japan	No regular schedule yet.	
16.87	17.78		W3XAL	Boundbrook, N.J.	9am-5pm. (East Asia.	
16.89	17.76		DJE	Zeesen, Germany	12:05-5:15, 5:55-11am to	
*18.72	16.03		KKP	Kahuku, Hawaii	Sunday 8:30-9pm.	
19.52	15.37		HAS3	Budapest, Hungary	Sunday 9-10am.	
19.56	15.34		DJR	Zeesen, Germany	8-9am to Central America.	
19.57	15.33		W2XAD	Schenectady, N.Y.	10am-3:45pm.	
doubt if used present →	F19.585	15.32	OLR	Prague, Czechoslov.	Irregular.	
	S19.62	15.29	LRU	Buenos Aires, Argen	6am-6pm. (12:25pm Sun.	
	19.63	15.28	DJQ	Zeesen, Germany	6-8, 8:15-11am, 11:10am-	
	19.64	15.27	W2XE	Wayne, New Jersey	1-5pm.	
	19.66	15.26	G5F	Daventry, England	12:15-4pm.	19m
	19.68	15.243	TPA2	Pontoise, France	2-2:40am, 5:55-11am.	
	19.71	15.22	PCJ	Eindhoven, Holland	S 7:30-8:30a, Tu 4:30-6am, Wed 8-11am.	
	19.72	15.21	W8XK	Pittsburgh, Penna	9am-7pm. (Sun 11:10a-1220	
	19.74	15.20	DJB	Zeesen, Germany.	12:05-5:15, 5:55-11am,-	
	19.75	15.19	ZBW4	Hong Kong, Hong Kong	6-10am, Sun 6-9:30am irr.	
	19.76	15.18	GSO	Daventry, England	3-5am, mid-lam irreg.	
	S19.79	15.16	JZK	Nazaki, Japan.	Tu/Fr 2-3pm, Mon/Thur 4-5p	
	19.80	15.15	YDC	Bandoeng, Java	5:30-10:30am.	
	S19.82	15.14	G5F	Daventry, England	6-8:45, 9am-Nn, 4-5:45pm.	
	19.84	15.12	HVJ	Vatican City, Italy	10:30-10:45am. (Sun 6-8am.	
	19.85	15.11	DJL	Zeesen, Germany.	Mid-2a, 11:35-4:30pm, 8-9pm	
	19.88	15.09	RV96	Moscow, U.S.S.R.	Sun 1:30-2pm.	
	20.04	14.97	LZA	Sofia, Bulgaria.	Su 12:30-8, 10am-4:30pm, M/ W/F/S 5-7am, Tu/Th 1-3pm.	
	20.55	14.60	JVH	Nazaki, Japan	12-1am, 5:15-5:45pm & irr.	
	S22.00	13.635	SPW	Babice, Poland.	Mon/Wed/Fri 12:30-1:30pm.	
	24.52	12.235	TFJ	Reykjavik, Iceland	Sundays 1:40-2:30pm.	
	25.00	12.00	RNE	Moscow, U.S.S.R.	Su/W 6-7am, Su 10-11am, Sun/Mon/Wed/Fri 4-5pm.	
	25.21	11.90	XEWI	Mexico D.F.	M/W/F 3-4pm, Tu/Th 7:30- 8:45pm, T/Th/F 10pm-mid et	
	25.24	11.885	TPA3	Pontoise, France	2-2:40, 2:55-5am, 12:15-6pm	
	25.26	11.875	OLR	Prague, Czechoslov.	2:25-4:30pm, Mon/Thur 7-9p	
delete + replace by 11.840	25.27	11.87	W8XK	Pittsburgh, Penna.	7-10pm.	
	N25.32	11.85	DJP	Zeesen, Germany	11am-4:30pm-ex. to Africa	
	N25.34	11.84	HH2T	Port-au-Prince, Haiti	8:30-9:30pm irregular.	
	S25.36	11.83	W2XE	Wayne, New Jersey	5-10pm.	25m
	S25.40	11.81	2R04	Rome, Italy	6:45-12:40pm.	
	S25.42	11.80	JZJ	Nazaki, Japan	Testing irregularly. (1015	
	S25.43	11.79	W1XAL	Boston, Mass.	6-6:30pm, Sa/Fu 5-7pm, Sun	
	S25.49	11.77	DJD	Zeesen, Germany.	11:35am-4:30pm.	
	S25.53	11.75	GSD	Daventry, England	12:15-5:45pm, 9-11pm.	
	25.55	11.74	HP5L	David, Panama	Heard testing Oct 29,	
	U25.58	*11.73	F31CD	Salgon, Indo-China	Signs-off at 9:30am.	
	S25.58	11.73	PHI	Huizen, Holland	S, M, Th, F, Sa 8:30-10:30am.	
	25.60	11.72	CJRX	Winnipeg, Canada	7-12m, S 4p-1a, Su 3-9:30pm	
	25.61	11.714	TPA4	Pontoise, France	6:15pm-1am. (5pm; irr.	
	25.63	11.705	SM5SX	Stockholm, Sweden	6:25-7, 11am-5pm, Sun 4am-	
	N25.68	11.68	KIO	Kahuku, Hawaii	Wednesday 8-8:30pm.	
D	26.24	11.435	COCX	Havana, Cuba	8am-1am, Sun 8am-Nn, 6-9pm.	
	S26.60	11.28	HIN.	Trujillo City, D.R.	Not heard here recently.	
	27.27	11.00	PLP	Bandoeng, Java	5:30-11am.	
	27.93	10.74	EDX	Las Palmas, Canarias	9:30-10:15pm irregular.	
	28.12	10.67	CEC	Santiago, Chile	7-7:15pm.	
	S28.14	10.66	JVN	Nazaki, Japan	4-7:40am and irreg.	
D	S28.93	10.37	EHZ (EAJ43)	Tenerife, Canarias	6-8 or 9pm.	

S28.98	10.35	LSX	Buenos Aires, Argen	Mon/Friday 5-6pm & irreg.
S29.04	10.33	ORK	-Ruyssselede, Belgium	1:30-3pm.
29.24	10.26	PMN	Bandoeng, Java.	5:30-11am to Sumatra.
D30.18	9.94	CSW	Lisbon, Portugal	4-7pm.
D 30.43	9.86	EAQ	Madrid, Spain	5:15-10pm, Sat 1-3pm & ir
D30.78	9.746	COCQ	Havana, Cuba	Relays CMQ 7am-1am.
D 30.94	9.698	T14NRH	Heredia, Costa Rica	9-10, 11:30pm-midnight.
J 31.05	9.664	CT1AA	Lisbon, Portugal	Tues/Thur/Sat 4-7pm.
D 31.04	9.662	YNLF	Managua, Nicaragua	2-3 and 8-11pm.
U31.06	9.66	CR6AA	Lobito, Angola	Wed/Sat 3:45-5:30pm.
S31.06	9.66	LRX	Buenos Aires, Argen	6-10pm.
31.09	9.65	YDB	Sourabaya, Java	5:30-11am.
9645 B31.12	9.645	HH3W	Port-au-Prince, Haiti	1-2, 7-8:30pm.
U31.12	9.64	CQN	Macao, Macao.	Mon/Friday 7-8:30am.
S31.12	9.635	2R03	Rome, Italy	M/W/F 12:40-7:30pm, T/Th/S
				12:40-7:45pm, Sun 1:20-5:30
D 9618 B31.20	9.618	HJLABP	Cartagena, Colombia	11am-1pm, 5-11pm, Sun 5-8pm
31.23	9.605	HP5J	Panama City, Panama	11:45-1:15pm, 7-10pm. (8pm
31.25	9.60	RAN	Moscow, U.S.S.R.	6-7:30pm; Su, Wed, Fr 7:30-
31.25	9.60	CB960	Santiago, Chile.	10:30am-noon, 6-8:30pm.
31.27	9.595	HBL	Geneva, Switzerland	Saturday 5:30-6:15pm.
delete J31.28	9.591	TIPG	San Jose, C.R.	Heard testing here irreg.
S31.28	9.59	PCJ	Eindhoven, Holland	Sun 2-3pm, 7-8pm; Tues 1:30
				-3pm; Wednesday 7-10pm.
delete S31.28	9.59	VK6ME	Perth, W. Australia	Heard signing-off at 7am.
S31.28	9.59	VK2ME	Sydney, Australia	Sun 1-3, 5-11am.
31.28	9.59	W3XAU	Philadelphia, Penna	Noon-8pm, Sun N'n-7pm. 31m
S31.32	9.58	GSC	Daventry, England	4-5:45, 6-8, 9-11pm.
31.32	9.58	VK3LR	Melbourne, Austr.	3:30-8:30am, Sun 3-7:30am.
F31.34	9.575	HJ2ABC	Cucuta, Colombia.	6-10pm except Sunday.
31.35	9.57	WLXK	Springfield, Mass.	6am-mid, Sun 7am-midnight.
S31.36	9.565	VUB	Bombay, India.	Th/Fr 11pm-12:30am, Sunday
				1:30-3:30am. (-10:45pm.
31.38	9.56	DJA	Zeesen, Germany	12:05-5:15, 5:55-11am, 4:50
31.45	9.54	DJN	Zeesen, Germany	12:05-5:15am, 4:50-10:45pm
31.45	9.54	VPD2	Suva, Fiji's.	5:30-7am. except Sunday.
? 31.45	9.54	CB954	Santiago, Chile.	Should be operating soon.
S31.46	9.535	JZI	Nazaki, Japan	Tu/Fr 2-3pm, Mon/Th 4-5pm,
				mid-lam irr, 4-7:40am irr.
31.48	9.53	W2XAF	Schenectady, N.Y.	4pm-midnight.
31.48	9.53	LKJ1	Jeloy, Norway	6-11pm.
31.50	9.525	ZBW3	Hong Kong, Hong Kong	6-10am, Sun 6-9:30am.
J 9520 C31.53	9.514	HJ4ABH	Armenia, Colombia	6-9:30pm. (6-8, 9-11pm.
S31.55	9.51	GSB	Daventry, England	3-5, 9am-noon, 12:15-5:45pm
F31.55	9.51	HJU	Buenaventura, Colom	Mon/Wed/Fri n'n-2, 8-11pm
delete U31.57	9.505	XEFT	Veracruz, Mexico.	Evenings irregular.
S31.58	9.50	HJLABE	Cartagena, Colombia	4-11pm except Sundays.
31.58	9.50	PRF5	Rio de Janeiro, Brz	4:45-5:45pm ex. Sundays.
9500 B31.60	9.495	VK3ME	Melbourne, Austr.	4-7am except Sundays.
N31.67	9.475	EAH (EDZ)	Madrid, Spain.	Approx 4-5pm irreg.
31.73	9.45	TGWA	Guatemala, Guat.	8-10, 11pm-mid, to 5am Sun.
31.80	9.428	COCH	Havana, Cuba.	7am-mid, Sun 8-9, 11:30am-
				1:30pm, 6-9pm.
31.84	9.415	PLV	Bandoeng, Java.	Tu/Th/Sat 10-10:30am irr.
S32.09	9.35	HS8PJ	Bangkok, Siam	Thursdays 7 to 9, or 10am.
32.88	9.125	HAT4	Budapest, Hungary	Sunday 6-7pm.
33.53	8.948	HCJB	Quito, Ecuador	7-11:30pm except Mondays.
N33.94	8.840	ZMBJ	S.S. Awatea.	Midnight-3am.
delete ? 34.01	8.82	COCE	Havana, Cuba.	Relays CMCE 11pm-1am irr.
34.11	8.795	HKV	Bogota, Colombia	Mon/Thur 7-7:30pm.
34.26	8.75	ZBW	Hong Kong, Hong Kong	4-10pm.
34.66	8.665	C09JQ	Camaguey, Cuba.	5:30-6:30pm irregular.
J 35.09	8.55	YNVA	Managua, Nicaragua	1-2:30pm, 7:30-10pm.
8250 J 36.59	8.20	H02CW	Guayaquil, Ecuador	7:30-11pm except Sundays.
B38.20	7.854	H02JSB	Guayaquil, Ecuador	6-10:30pm except Sundays.
38.47	7.797	HBP,	Geneva, Switzerland	Saturdays 5:30-6:15pm.
39.74	7.95	T18WS	Puntarenas, C.R.	5-7, 8:30-10pm, Sun 4-5pm.
D 7563 N39.74	7.55	YNLF	Managua, Nicaragua	May be add. freq. for YNLF

	S39.87	7.52	KKH	Kahuku, Hawaii	Tues 12:30-1am, Wed 8-8:30
	? N40.00	7.50	YNAN	Managua, Nicaragua	Heard 9-10pm. (7.75mc.
	40.65	7.38	XECR	Mexico D.F.	Sun 7-8pm. Also heard on
	? N40.68	7.375	YNLAT	Granada, Nicaragua	8-10pm irreg.
	U42.25	7.10	F08AA	Papeete, Tahiti	Tues/Fri 11pm-midnight.
	D 6995 N42.70	7.025	CLX	Havana, Cuba.	Heard testing near 8pm.
	42.80	7.01	E8AB	Tenerife, Canarias	Mon/Wed/Fri 3:15-4:15pm.
	B 7000 42.97	6.996	PZH	Paramaribo, D. Guiana	Mon/Wed/Fri 5:40-9:40pm
	J 7009 U43.04	6.97	EA9AH	Ceuta, Morocco.	News near 11pm.
	N43.48	6.90	HI2D	Trujillo City, D.R.	Signs-off at 8:40pm.
	43.51	6.895	HCEFC	Quito, Ecuador.	Thursdays 8-10:30pm. (1am
	43.99	6.82	XG0X	Nanking, China.	6:30-8:40am, Sun 7:30-9:30
	D44.09	6.805	HI7P	Trujillo City, D.R.	Evenings irregular.
	D44.28	6.775	HIH	San Pedro, D.R.	7:40-9:10pm except Sunday
	44.44	6.75	JVT	Nazaki, Japan	4-7:40am.
	44.51	6.74	HCLTQ	Quito, Ecuador	Sunday 5-7pm.
	44.58	6.73	HI3C	La Romana, D.R.	12:10-1:40pm, 6:10-7:40pm.
	44.60-	6.727	PMH	Bandoeng, Java	5:30-11am.
	D 6687 S44.89	6.602	TEFP	San Jose, C.R.	7-10:30 or 11:30pm ex Sun
	B45.22	6.635	H02RL	Guayaquil, Ecuador	Sun 5:30-7:30p, Tu 9-11pm.
	45.25	6.63	HIT	Trujillo City, D.R.	12:10-1:40pm, 5:40-8:40pm.
	B45.29	6.625	PRADO	Riobamba, Ecuador	Thursdays 9-11pm.
	N45.60	6.578	HCVT	Ambato, Ecuador.	Broadcasts irregularly.
	F 6533 N45.63	6.575	YN46G	Managua, Nicaragua	Evenings irregularly.
	45.76	6.555	H14D	Trujillo City, D.R.	5:10-8:10pm ex. Sundays.
	N45.80	6.55	TIRCC	San Jose, C.R.	7-9:30pm.
	45.84	6.545	YV11RB	Bolivar, Venezuela	7-10pm.
	46.01	6.52	YV6RV	Valencia, Venezuela	5:30-9:30pm.
	46.15	6.50	T10W	Port Limon, C.R.	10-11:30am, Sunday 2-3pm.
	B 6500 S46.19	6.495	H1L	Trujillo City, D.R.	5:40-7:40pm ex. Sundays.
	S46.34	6.475	H14V	Trujillo City, D.R.	5:10-10pm ex. Sundays.
	F 6479 46.51	6.45	H18A	Trujillo City, D.R.	5:40-7:40pm ex. Sundays.
	46.73	6.42	H11S	Puerto Plata, D.R.	6:10-8:10pm ex. Sundays.
	46.80	6.41	TIPG	San Jose, C.R.	6-11:30pm.
	46.88	6.40	YV9RC	El Valle, Venezuela	5:30-9:30pm ex. Sundays.
	J 46.95	6.39	YV1RH	Maracaibo, Venezuela	6:30-10:45pm (Sun
	B 47.02	6.38	YV4RC	Caracas, Venezuela.	11am-1pm, 5:30-9:30pm ex.
	6370 S47.14	6.365	YV1RG	Valera, Venezuela.	8-9:30pm.
	47.20	6.357	HRP1	San Pedro Sula, Honduras.	7:45-10pm ex. Sunday
	B47.27	6.346	H13NW	Port-au-Prince, Haiti	7-8:30pm.
	47.32	6.34	HIX	Trujillo City, D.R.	Tues/Fri 8:10-10:10pm. 4pm
	D 47.54	6.31	HIZ	Trujillo City, D.R.	5:10-7:40pm ex. Sundays.
	47.62	6.30	YV12RM	Maracay, Venezuela	6-10pm except Sundays.
	C048 47.76	6.282	009WR	Sancti Spiritus, Cuba	4-6, 9-11pm ex. Sundays.
	47.77	6.28	HIG	Trujillo City, D.R.	8:10-9:40p, T/F 6:40-8:10p
	N47.85	6.27	YV5RP	Caracas, Venezuela	Heard testing from 6-8pm.
	B47.92	6.26	OAX4G	Lima, Peru.	7-11pm. evenings irregularly
	? 48.00	6.25	C05RY	Matanzas, Cuba.	7-9pm.
	? 48.00	6.25	YV5RJ	Caracas, Venezuela	Should be on air shortly.
	D48.05	6.243	HIN	Trujillo City, D.R.	7:10-9:10pm.
	48.11	6.235	HRD	La Ceiba, Honduras	8-11pm.
	B48.39	6.200	C0KG	Santiago, Cuba.	8-9am, 11am-2pm, 5-9pm.
	delete 48.42	6.197	H18Q	Trujillo City, D.R.	4:40-8:40pm.
	D48.47	6.19	H1LA	Santiago, D.R.	10:40a-1:40p, 6:40-9:40pm
	D48.59	6.174	XEXA	Mexico D.F.	8-10am, 3-5, 7-11pm.
	B48.73	6.156	YV3RC	Caracas, Venezuela	3:30-10pm.
	? 48.78	6.15	CB615	Santiago, Chile	4-7pm.
	6153 D48.78	6.15	H15N#15A	Santiago, D.R.	6-7am, Noon-2pm, 6-9:30pm.
	48.78	6.15	CJRO	Winnipeg, Canada	7-mid, Sat 4pm-1am, Su 3pm
	48.81	6.147	ZEB	Bulawayo, S. Rhodesia	Tu/F 12:15-3:15p, M 11am-N'n, Th 10am-N'n, S 3:30-6p
	D48.82	6.145	HJ4ABU	Pereira, Colombia.	7-8pm except Sundays.
	48.86	6.140	W8XX	Pittsburgh, Penna.	10pm-1am.
	N48.86	6.14	Chiclayo, Peru.	Heard testing 1:40-2am.
	48.87	6.138	HJ4ABD	Medellin, Colombia.	8-11pm. (10am-12:30pm
	48.89	6.137	CR7A	Laurenco, Mozambique	12:45-3pm, Sun 5:30-7am,
	off? B48.93	6.132	YV9HX	Halifax, N.S. Canada	Relays CHNS irreg.
	F48.93	6.132	VP3BG	Georgetown, B. Guiana	Sundays 5pm and irreg.

B 6115	48.93	6.132	HJ1ABB	Barranquilla, Colombia	6-10pm except Sundays
	48.94	6.13	ZGE	Kuala Lumpur, FMS	Sun/Tues/Fri 6:40-8:40am
	48.94	6.13	COCB	Havana, Cuba.	Mon-Tues, Sun 10am-4, 8-10pm
	49.01	6.122	HJ3ABX	Bogota, Colombia	6-11:30pm.
	49.01	6.122	OAX4P	Lima, Peru.	Noon-1pm, 9-11pm.
	49.02	6.12	W2XE	Wayne, New Jersey	10-11pm.
	49.02	6.12	XEFT	Veracruz, Mexico	7:30pm-midnight.
115 XRCU	49.06	6.115	OLR	Prague, Czechoslov.	Irregular.
off	49.10	6.11	GSL	Davenport, England	6-8pm. (-10:35, dly 1:35a- Sa 9:35p-Su 2:05a, Su 7:05
	49.11	6.109	VUC	Calcutta, India	8-10pm ex. Sun, Sat to 11pm
	49.11	6.108	HJ4ABB	Manizales, Colombia	6-11pm, Sat 6pm-1am.
	49.18	6.10	W3XAL	Boundbrook, N.J.	11pm-1am, Sat 1-2am.
	49.18	6.10	W9XF	Chicago, Illinois	Testing irregularly.
	49.18	6.10		Seville, Morocco	7:30-10:30pm.
	49.20	6.097	HJ4ABE	Medellin, Colombia	11:45pm-12:30am, 3:15-7am, 9-11:15am, 11:45am-4pm.
	49.20	6.097	ZTJ	Johannesburg, S. Afr	Will be testing shortly.
	49.22	6.095	JZH	Nazaki, Japan	5:30-11:30pm, Sun 5-11:30p
	49.26	6.09	CRCX	Bowmanville, Canada	2-3:45, 7-8:30, 11:30a-4:45
	49.26	6.09		Belgrade, Yugoslavia	
	49.30	6.085	2R01	Rome, Italy	
	49.30	6.085	HJ5ABD	Call, Colombia.	7-10pm. (Sat/Sun 11am-3pm.
	49.32	6.083	VQ7LO	Nairobi, Kenya	Mon/Fri 11:30am-2:30pm,
	49.34	6.08	W9XAA	Chicago, Illinois	6:30-8:30am, 5pm-midnight.
	49.34	6.08	ZHJ	Penang, S.S.	6:40-8:40am ex. Sundays.
	49.38	6.075	HP5F	Colon, Panama.	7-10:30pm.
	49.42	*6.072	OER2	Vienna, Austria.	9am-5pm, Sat 9am-6pm.
B 6075	49.42	6.07	YV7RMO	Maracaibo, Venez.	5-10pm except Sundays.
	49.41	6.069	HJ3ABF	Bogota, Colombia.	7-11pm ex. Sundays.
	49.50	6.06	OXY	Skamlebaek, Denmark	1-6:30pm, Sun 11am-7pm.
	49.50	6.06	W3XAU	Philadelphia, Penna	8-11pm.
	49.50	6.06	ZHI	Singapore, S.S.	Sat 10:40pm-1:10am, Mon/Wed Thurs 5:40-8:10am.
	49.50	6.06	W8XAL	Cincinnati, Ohio.	7:30am-8pm, 11pm-1:30am.
D	49.59	6.05	HJ3ABD	Bogota, Colombia	7pm-midnight.
	49.59	6.05		Colombo, Ceylon	6:30-7:45am.
	49.59	6.05	GSA	Daventry, England	Mid-winter frequency.
F 5884	49.63	6.045	HI9B	Santiago, D.R.	11am-9pm, Sun 12:15-1:15am
cancel	49.65	6.042	HJ1ABG	Barranquilla, Colom	6:30-10pm.
exico	49.67	6.04	W1XAL	Boston, Mass.	Mon/Fri 7-9pm, Sun 5-7pm.
ity	49.67	6.04	PRAB	Pernambuco, Brazil	2:30-8:30pm.
delete	49.71	6.035	HJ4ABC	Ibague, Colombia	8-10pm.
B	49.72	6.033	HJ4ABP	Medellin, Colombia	7-11pm except Sundays.
	49.75	6.03	HP5B	Panama City, Panama	8-10:45pm.
	49.75	*6.03	VE9CA	Calgary, Canada.	10am-midnight.
	49.79	6.025	HJ1ABJ	Santa Marta, Colom.	5:30-10:30pm.
	49.83	6.02	XEUW	Veracruz, Mexico.	10pm-1am.
	49.83	6.02	DJC	Zeesen, Germany	11:35-4:30pm, 4:50-10:45p
B 6017	49.88	6.015	HI3U	Santiago, D.R.	4:40-9:40pm except Sunday
	49.91	6.012	HJ3ABH	Bogota, Colombia	4-11pm, Sunday 4-9pm.
	49.92	6.01	COCO	Havana, Cuba	7:55am-10pm or midnight.
	49.92	6.01	OLR	Prague, Czechslov.	Testing irregularly.
	49.92	*6.01	VK9MI	S.S. Kanimbla	6-6:30am.
	49.92	6.01	CJXC	Sydney, N.S. Canada,	will be on the air soon.
	49.92	6.01	FIU	Tananarive, Madagascar	4-4:45am, 9:45-10:15am.
	49.95	6.005	CFXC	Montreal, Canada.	7:45am-1am, Sun 9am-11:15p
	49.95	6.005	HP5K	Panama City, Panama	8:30-10am, 1-2, 7-10pm.
	49.97	6.003	XEBT	Mexico D.F.	10am-1:45am.
	50.00	*6.00	OAX4J	Lima, Peru.	7-11pm.
5885	50.03	5.997	VP3MR	Georgetown, B. Guiana	4:45-8:45pm, Sun 8:45am-
5990	50.11	5.987	HJ2ABD	Bucaramanga, Colom.	6-10pm.
delete	50.29	5.966	HJ1ABC	Quibdo, Colombia	5-6pm, Sunday 3-5pm. (Sun.
D 5955	50.42	5.955	HJN	Bogota, Colombia	11am-2pm, 5-10:30pm. ex.
	50.51	5.94	TG2X	Guatemala, Guat.	Mon/Wed/Sat 9-11:15pm.
Valencia	50.71	5.917	YV15RV	Maracaibo, Venezuela	Testing late at night.
D 5925	50.72	5.914	HV2S	Port-au-Prince, Haiti	7:30-9:30pm ex. Sundays
	50.86	5.899	YH8RB	Barquisimeto, Venez.	5:30-9:30pm except Sun.
	51.07	5.875	HRN	Tegucigalpa, Honduras	6:30-8, 8:30-10pm.

Shut down List cont. from Page 19

ASIA-AUSTRALIA

VK2AE 14, VK2NV 14.01, VK2RJ 14.01, VK3BW 14.02, VK2BJ 14.02, VK3ZZ 14.02, VK2AT 14.03, VK6MW 14.03, VK2OG 14.04, VS2AK 14.04, VK2LX 14.05, VK3OC 14.07, VK3HL 14.08, VK2IQ 14.08, VK5TR 14.08, VK2ACO 14.08, VK2TI 14.10, VK2JU 14.10, PK3AW 14.14, VK2HF 14.27, VK2CP 14.295, VK2ADA 14.3, PK3ST 14.31, VK2GU 28.10. Aussie hams heard best at present near 2-3am and 6:45-7:45am in U.S.A.

AUSTRALIA VLR-9.574, heard Sun 7-7:35am on Oct. 31. (*Stark) * VK2ME-9.59-Sydney, sked for Dec: Sun, 1-3, and 5-11am (VK2ME) ** NEW-VK6ME-9.59-Perth, reported in N.Z. testing and signing off at 7am (NZDXRA).

CHINA XGN-16.39-Shanghai, and XGM-17.65-Shanghai, heard calling GBA, Rugby, at 7am (** Schmeichel) ** Chinese S.W. stations heard irregularly between 7-9am: XGOY-7.5-Kwenming, Yunnan; XGBA-21.55-Nanking, and XGOG-17.8-Nanking (Cornfield) * XGOX does not always relay XGOA (* GS)

HONG KONG New short-wave transmitter can operate on four different frequencies as follows: ZBW2 6.09, ZBW3 9.525, ZBW4 15.19 and ZBW5 on 17.755mc. Has been alternating between 9.525 and 15.19mc, for past several weeks (* Cornfield-Hong Kong, Oxrieder, L. Miller, Graham, Balbi)

JAPAN Present Overseas transmissions are as follows: For Europe, Tues. and Fri. 2-3pm, over JZI-9.535 and JZK-15.16; For East coast of N.A. and S.A. on Mon. and Thurs. 4-5pm, over JZK-15.16, and JZI 9.535, or JZJ-11.8; For West coast of N.A., daily midnight-1am, over JVH (may soon be changed to JVN), and occasionally JZK or JZI. English news on this transmission at 12:40am. The relay of JOAK from 4-7:40am is transmitted by JVT-6.75 and JVN-10.66 (and sometimes JZI). English news at 4:50am. JZJ-11.8, has been testing irregularly.. The JZ frequencies will be used for all Overseas transmissions as soon as the new 50kW xmtrs. are completed. The 4-5pm Overseas period may soon be radiated daily (** Akifusa Saito) (* Kiesling, Oxrieder, Frost, Dilg, Messer, Balbi, Criswell, Sholin) * JVO-Tokio-10.375, works TDE-10.075-Manchukuo, at 1am and 3:30am (Schmeichel, Roberts) * Unidentified Japanese stations heard on 6.5mc after 4am, and on 4.3 and 4.38, phoning at 6am (Sholin).

MACAO

CQN, Macao, heard on 9.64mc at 8am (* Tune In).

SIAM

National Broadcasting station, HS8PJ-Bangkok, transmits Mondays, 7-9am (sometimes to 10am), on 19.02mc, and on Thursdays 7-9am on 9.35mc (** Graham, DeMyer, Schmeichel, Dilg, Morrison).

S.S.

ZHI-Singapore, official frequency 6.018, is wandering over the 49 meter band, at present operating near 6.06mc (* Tune In).

TAHITI

FQ8AA-7.1-Papeete, broadcasts Tues. and Fri. 11pm-midnight. Signs off near 12:05am with "Aloha-Oe". (** Chas. Miller, Schmeichel).

U.S.S.R.

The new Khabarovsk station, which operated for several days on 5.7mc, and was believed by many to be RV15 on a new frequency, was probably RV54 of Khabarovsk, which has been operating on the Broadcast band, since Nov. 4. RV15 still operating on 4.273mc (** Sholin, Balbi) ** Commercial stations being heard: RIM-7.625-Tiflis, works RKI-Moscow, at 11pm; RTA-12.88-Nova Sibirsk, works Moscow and RDD at 1am; RIO-10.18, 10.16, heard nightly with lady announcer; RRR-15.95-Khabarovsk, works Moscow, near 6:30am; RTD-13.365. calls Moscow and Irkutsk at 12:30am; RTZ-14.875, calls RKI at 1am; RTL-5.45, calls RTM at 6am; RVV-10.35-Vladivos tok, calls Alma Ata, 9pm-11.4, and Moscow mid-2am; Unidentified stations on 11.5 and 9.4mc (Sholin, Chas. Miller, Schmeichel, Roberts).

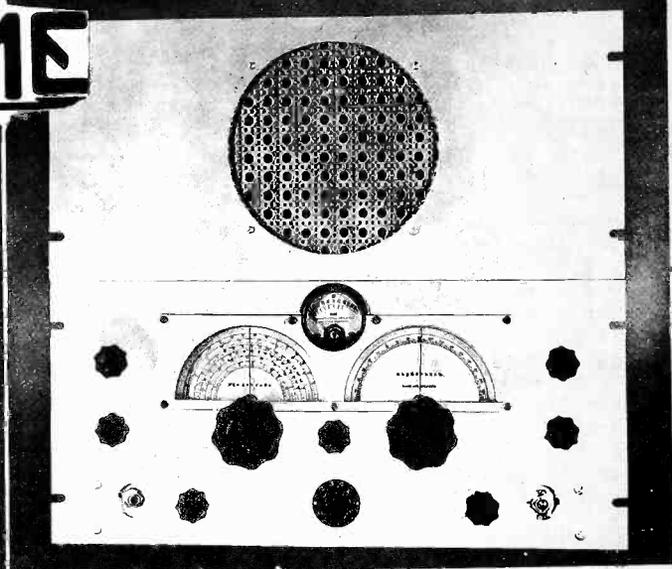
NEW SHIP

ZMBJ, Australian liner "Awatea", which plies between Sydney, and Auckland, N.Z., broadcasts concerts and phones with ZLT, irregularly between midnight and 3am. Official freq. is 8.75mc, but heard near 8.84mc (** Oxrieder, Capt. Hall).

5855	51.16	5.863	HILJ	San Pedro, D.R.	11:40a-1:40p, 6:10-8:40pm.
	51.28	5.85	YV5RMO	Maracaibo, Venez.	10:45am-12:45pm, 4:45-9:45pm ex. Sundays.
	B51.55	5.82	TIGPH	San Jose, C.R.	N'n-2pm, 7-11pm ex. Sundays
	51.72	5.80	YV2RC	Caracas, Venez.	5:15-9:30pm, Sun 3:30-9pm.
	51.90	5.78	OAX4D	Lima, Peru	Wed/Sat 9-11:30pm.
delete	J51.90	5.78	HJ4ABD	Medellin, Colombia.	Operates here irreg.
	52.26	5.74	TGS	Guatemala, Guat.	Sun/Wed/Thur 6-9pm.
57581	N52.26	5.74	YNOP	Managua, Nicaragua.	Heard testing near 8pm.
	N52.30	5.735	HCLPM	Quito, Ecuador.	Tuesdays 9-11pm.
	N52.45	5.72	YV1ORSC	San Cristobal, Venez.	5:30-9:30pm ex. Sun.
	65.22	4.60	HC2ET	Guayaquil, Ecuador	Wed/Sat 8-10pm.

RME

THE SINGLE SIGNAL RME-69 SUPER



(Relay rack RME-69- Satin aluminum finish)

- * R.F. stage ahead of first detector gives high ratio of signal to noise level.
- * Optional crystal filter for knife-edge selectivity.
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- * Separate trimmer for maximum resonance of R.F. circuits.
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- * All elements carefully treated for tropical use.
- * Unconditionally guaranteed.

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"HARD-TO-GET"
STATIONS**

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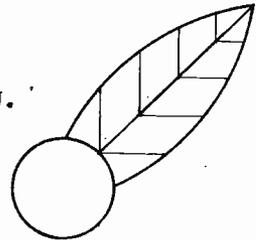
INTRODUCING FEATHERWEIGHT

(PAT. APPLIED FOR)

A new series of Antennas " " Based on Heinie Johnson's Invention

FEATHERWEIGHT is a new light weight highly efficient wire made of $\frac{1}{4}$ " ALUMINUM. In a spiral groove cut in this aluminum, a #16 insulated or a #14 bare COPPER wire (optional with user), is housed. The pick-up surface of the total antenna is doubled by a special pebbled effect, which greatly increases pick-up surface. The whole antenna top wire is heavily enameled to resist weather action. Featherweight will outlast the ordinary radio.

- ** THIRTY TIMES MORE PICK-UP SURFACE THAN ORDINARY ANTENNAS
- ** TWO CONDUCTORS- ALUMINUM AND COPPER- IN SINGLE $\frac{1}{2}$ " WIRE COMBINE BEST ELECTRICAL CHARACTERISTICS OF EACH.
- ** HIGHEST RATIO OF SIGNAL STRENGTH TO NOISE.
- ** MAY BE TUNED FOR MAXIMUM DX RESPONSE.
- ** GIVES CHOICE OF VARIOUS AERIAL TYPES.
- ** ONLY SMALL SPACE REQUIRED FOR ERECTION.
- ** LIGHT IN WEIGHT BUT VERY STRONG.
- ** BUILT BY A DX'ER - FOR DX'ERS.
- ** POSITIVE MONEY BACK GUARANTEE.



<p>DX'ERS KIT NO. 1 For all sets not wired with two antenna posts, small regenerative S.W. sets and those DX hounds who prefer the "L" type antenna.</p> <p>20'6" of the two-skin, 2 metal wire, between built-in, insulators with 50ft. noise-free feed line</p> <p>PRICE \$5.00 (plus parcel post)</p>	<p>GENERAL PURPOSE ALL-WAVE KIT. Non-tuneable doublet, using two full doublets, insulated apart but built into one wire. Special inductive coupling unit at the top of feeders.. 40' long overall with 60' of twisted feeders. Will surprise you with its DX ability. Doublets based on 25 and 16 meters.</p> <p>PRICE ASSEMBLED \$10.00 (plus parcel post)</p>	<p>DX'ERS KIT NO. 2 Single doublet, half wave 25 meter length, 39' of the two skin, 2 metal style wire with 50 ft. of block transposed transmission line, tuneable coupler.. Directional 2 ways as doublet, and 2 ways as a Marconi by throwing switch on coupler.</p> <p>PRICE \$12.00 (plus parcel post)</p>
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All kits fully assembled, with complete instructions for each style and shipped by parcel post. Send 25% with order-balance on delivery. Orders will be acknowledged the day received.

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