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ISSUED

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WEEKLY

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Special Dx-WPRP-1420 Kc's Ponce Puerto Rico-will dedicate a special dx to all Radio clubs in USA on the following dates--December 19 from 12:01 A.M. on, and from 12:01 A.M. on December 26 1937. 12:01 will be 1:01 their time as they are on Atlantic Standard Time.

PRF 3, San Paulo, Brazil Presents a Dx program for the NNRC from 1:30 to 2:30 A.M. EST on Jan. 3, the Frequency to be used is unknown at present but we will have it in the bulletin in plenty of time.

December 19-WEEU 830 Kc. Reading Penna will have a Dx program from 3:00 to 5:00 A.M. EST. The period from 3:00-3:30 will be dedicated to the NRC.

WNEL-1290 Kc's San Juan P.R.-will be on with a Special Dx Program January 1 from 2 to 2:30 A.M. EST.

Harold Criswell-Reports that WKAT. 1500 Kcs., Miami Beach Fla., have a frequency check the Second Wednesday of each month from 5:00 to 5:20 A.M.

Carl Eder-Reports that KATE-1420 Kc's., Albert Lea Minn. Have a frequency check the Second Friday 3:00 to 3:20 A.M.

Art Brackbill-Reports that ZNS-540 Kc's., Nassau Bahamas. Have been coming in between 8 and 8:45 PM. --WOLS-1200 Kc's., Florence, S.C. tests the Second Saturday of every month from 4:50 to 5:10 A.M. Arts also says that he received a new station on Dec. 11 KGSZ, that's Arts 984 station

Sergio Gonzalez-Cuba-Reports that CMW, Havana Cuba changed frequency from 600 to 880 Kc's., on the 8th of this month. Sergio will also try to arrange some Dx programs for the club. (Yes OM I am still alive HMG)

## SINGLETON &amp; ELIMINATOR CONTEST REPORT As of 12/6.

## Singletons:-

- Criswell:- KGCU KGKB KGVO KLRA KRLH WBBZ WEVD WEW WFBR WGNY WHN WMFR  
(Pa.) WTAQ WTBO XEAC. - 68 points.
- Eder:- KFI KGA KGBX KGMB KGO KHBG KMMJ KPQ K TSA KWG XEL.-38½.(Minn)
- Forestieri's:- CMQ WSAY LR6 PRF3 PRA9 Paris 695; Marseilles 749; Lyon-  
(N.Y.) la Doua 648; Lille 1213; 5CK 5CL. - 66½ points.
- Hawkins:- KABC KDFN KFGQ KGDM KIEM KIUP KONO KQV KXO WAAW WABI WAVE  
(N.H.) WCMI WEBQ WFAM WLLH WMBQ WORL WOSU WOW WPAR WSYU WTAX WWSW  
CFNB CHNS CKCR CRCS CMBZ HIX XENT XEPN. - 52½ points.
- Horner:- KGFV WMBI. - 25½ points. - (Pa.)
- Lundberg:- CFAR KAWM KCRK KECA KGDE KGER KGNF KIUL KIUN KIT KJR KLZ  
(Minn.) KPRC KTRB KXA KXRO WAPI WBOV WCAT WFAA WHBF WHK WJAC WJAG  
WPAY WREN XETB LYA 2YA. - 59½ points.
- Routzahn:- KIRO KTUL KVOR WDAS WHA WHBU WLVA WMFJ WOI WSMB WSUI \* ~~38~~  
(Pa.) 39.
- Snyder:- CFCN KDLR KDYL KFJB KGIR KOA KTRH KVOA KWK WBIG WBT WCB  
(Mich.) WDSU WELL WGES WGN WHBL WHDH WHIO WHIP WJAS WJR WMAQ WMT  
WNBX WQBC WSPA XEOK. - 58 points.
- Stone:- CBF CBM CBO CBW CFCY CFPL CKCL CMCY CRCK CRCT KADA KEX KFAC  
(Ont.) KFEL KFJZ KFPY KFSB KGGH KGKO KMLB KOTN KPLC KPO KQW KROC  
KUSD KWTO KXYZ KYW WACO WASH WBEN WBZ WCBM WCKY WCLS WDG  
WEAN WEBC WEED WESG WFAB WGH WGY WHDF WHEF WHFC WIBU WICC  
WINS WJAX WJJD WKAQ WKBH WLW WMBC WMPC WNAC WNOX WOLS WOOD  
WREC WSAJ WSJS WTAM W8XO. - 147½ points.
- Weaver:- 9½ points. - (Pa.)
- Wheeler:- 1½ points. - (Pa.)

## Eliminators:-

- Criswell eliminated Horner's WFRA. - Stone's WIP,  
Eder " Hawkins' KSUN. - Stone's KWOS.  
Horner " Criswell's XEU. - Eder's KGB. - Forestieri's WRBL.  
Routzahn's WAIM WFIL WGBB. - Snyder's KFBI KNX KSTP  
WFBC WQBC. - Stone's CJRM CMOX KFBK KGCC KGFF KJBS  
KMOX KWKH WAGF WCAD WCAO WDRC WGPC WJBY WNBC WOPI  
WPG WRJN WSAI WSGN XERA.  
Lundberg " Criswell's WFBL. - Eder's CJCJ.  
Routzahn " Criswell's WSAL. - Snyder's KVOO. - Stone's WBBC  
WDAE.

## COMPLETE LIST OF ELIMINATED STATIONS IN CONTEST TO DATE.

CFLC CHSJ CJCJ CJCJ CJCJ CJRM CKLW CKOC CKOV CKSO CKUA CKX CKY CMBX CMCD  
CMCJ CMGH CMHJ CMOX CRCY KABR KALB KAND KANS KARK KATE KBIX KBST KBTM  
KCKN KCMC KCMO KDAL KDON KEEN KELD KEUB KFBI KFBK KFIZ KFJM KFNF KFPL  
KFPV KFRO KFVD KFWB KFXD KFXJ KFXR KFYO KGAR KGB KGCC KGFF KGFI KGGM  
KGFH KGLO KGNO KGU KGY KHJ KHSL KHUB KID KJBS KLAH KLS KLUF KMA KMAC  
KMOX KMPC KNEL KNOW KNX KOAM KOCA KOIL KOKO KOL KORE KOVC KOY KPAC KPDN  
KPLT KPMC KRBC KRGV KRIS KRKO KRLC KRMC KRMD KRNR KRRV KRSC KSAL KSCJ  
KSTP KSUN KTEM KTOK KTSM KUJ KVGB KVOL KVOO KVSO KWJJ KWKH KWOS KWSC  
KWTN KWYO KXBY KYA WAAB WAAF WABY WAGA WAGF WAIM WAIR WAPO WAYX WBAL  
WBAP WBAX WBBC WBLB WBBM WBCM WBEO WBHP WBIL WBLK WBLY WBNX WBNY WBRB

Eliminated Stations to date (Continued)

WBRE WBRY WBTM WCAD WCAO WCAP WCAX WCAZ WCBS WCLE WCNW WCOA WCOG WCPO  
 WDAE WDAF WDBO WDNC WDOD WDRC WDWS WZD WFAF WEAU WEBR WEMP WENR WEOA  
 WEST WFAS WFBC WFBG WFBL WFBM WFDL WFEA WFIL WFMD WFOR WFOY WFTC WGAR  
 WGBB WGFC WGR WGRC WGST WGTM WHAT WHBB WHBC WHBI WHBQ WHKC WHLB WIBM  
 WIBX WILL WIND WIOD WIP WISN WJBC WJBK WJBL WJBO WJBY WJIM WJMS WJNO  
 WJRD WJSV WJTN WJZ WKAR WKBV WKBW WKBZ WKEU WKRC WKZO WLAK WLB WLBC  
 WLBL WLNH WMAS WMBD WMBG WMBH WMBQ WMBR WMBS WMCA WMFD WMFF WMFG WMFO  
 WMIN WMFS WMSD WNBC WNBK WNEB WNEW WNLG WNYC WOAI WOKO WOPI WOR WPAD  
 WPG WPRO WPRP WQAM WQBC WQDM WQXR WRAC WRAW WRBL WRDZ WRGA WRJN  
 WRNL WROL WRR WRD WRVA WSAI WSAL WSAU WSAZ WSBT WSGN WSIX WSMK  
 WSOC WSPD WSVS WSYR WTAL WTCN WTEL WHTT WIMJ WIMV WTNJ WTRC WWAE WWJ  
 WWRE XEB XEBG XEFO XELO XEMO XEP XERA XET XEU I.R.I. Belfast.

NATIONAL POST OBSERVER REPORTS.

WALTER C. SNYDER, Grand Rapids, Mich. - Reports that KOAM, 790 kcs.,  
 Pittsburg, Kansas comes on the  
 air at 7:00 A.M., and manages to put WGY in the background most of the  
 time. Walt also says he was surprised to hear CMGH and CMQ on at the  
 time indicated in this report.

Nov. 25 Conditions quite good. 1370 WGL R7 @ 4:50 A.M. Testing  
 1370 KOKO R5 @ 3:30 A.M. 790 CMGH R6 @ 6:45 AM. Reg. Sked.  
 1310 KVOX R6 @ 4:15 AM. QRMd. 380 CMQ R7 @ 6:55 AM. Reg. Sked.

List of stations with time that they begin their broadcasting skeds.

560 KFTO on at 6:00 AM.	950 WRC on at 6:00 AM.	1250 WAIR on at 6:00 AM
560 WQAM " " 6:00 "	600 WICC " " 6:00 "	1260 WHIS " " 5:45 "
570 WSYR " " 6:00 "	780 WEAN " " 6:00 "	1270 WFBR " " 6:30 "
590 WEEI " " 6:00 "	1190 WSAZ " " 6:00 "	1440 WBIG " " 6:30 "
630 WPRO " " 6:00 "	1230 WNAC " " 6:00 "	

LAWRENCE LUNDBERG, Minneapolis, Minn. - Reports that owing to having had  
 company he missed 5 mornings at  
 the dials. Lawrence claims that he has overhauled his set and adjusted  
 it, so that it now has 50% more power than heretofore. Says he's hear-  
 ing a bunch of stations that he never heard in the daytime before.

Nov. 22 620 WTMJ Testing @ 3:50 A.M. 1290 KTRH Testing 3:15-3:30 A.M.  
 730 CJCJ S.O. @ 3:40 A.M. 1370 KCMO R8 @ 3:00 A.M.  
 Nov. 23 980 XEAC Testing 3:55-4:15 AM 870 WENR Testing till 4:50 A.M.  
 750 KGU R5-6 @ 3:50 A.M. 650 IYA R6-7 from 4:50-5:00 AM.  
 1320 KGMB R6 from 4:16-4:50 AM 720 3YA R3-4, when others not  
 1400 KHBC Very weak @ 5:05 A.M. heard. Aussie stations weak.

CJCJ verie states they are using 100 watts and owned by the Albertan  
 Publishing Co., Ltd. WFBL verieled with card showing 5 pictures of their  
 transmitter studios and towers. Studios in the Onondaga Hotel, Syracuse.  
 CFAR verified by letter. From their letter it seems that Lawrence's re-  
 port was the first received by them on their initial test on Nov. 6th.  
 Owned by the Artic Radio Corp., Ltd. KAWM owned by A. W. Mills, who  
 states that they run a DX program every Thursday morning from 4:00 to  
 5:00 A.M. Some very interesting pictures on the stationery.

CARL FORESTIERI, Bronx, N. Y. - Carl was the first to report reception  
 of ZNS, 540 kcs., Nassau, Bahamas to us,  
 reported to you in last week's Bulletin. Carl says the music comes in  
 well but the announcements are very poor. He says he's fairly positive  
 now that WEVD are off the air every Tuesday morning. Carl also states  
 that this is one of the poorest DX seasons that he can recall, saying  
 that even the 50 Kw Coasters lack volume, and that in many cases they  
 aren't even heard in the early A.M.'s. TA's not heard, except for a  
 few minutes on Nov. 16. Carl reports XERA leaving the air early this  
 past week, only to return about 5 or 6 A.M. He also reports that WABY

## N. F. O. REPORTS (Continued)

C. F. - have been off the air during the past week, so, that it may be that they have at last decided to end their all night activities.

Dec. 5 1370 KTEM Testing. 770 CMBS thru WBBM @ 2:30 A.M.

1120 YVIRF Testing all morning not heard on SWs at all.

WJBY, WDAE and KVCO all heard between 2 and 4:00 A.M.

Dec. 4 1500 KSAI heard through WBBK @ 2:30 A.M. R6.

J. WARREN ROUTZAHN, York, Pa. - Reports his latest catches as being KRLC and WJBY. Latest veries KVOR WSAL

KVCO WBBK VK3LR.

Nov. 30 1400 WBBK R9 @ 2-2:30 A.M. 670 WEAJ Testing @ 3:00 A.M.

1420 WNAS R7 @ 2:50 AM. New Xmtr. 680 Spanish speaking @ 2:45 AM

Dec. 1 1370 WEAY DX 4-4:30 A.M. R6 1310 KAND DX 4:45 A. M. R6-7.

1190 WSAZ DX 4:40 A.M. R9 1330 ??? Testing @ 5:00 A.M.

Dec. 2 1240 KTFI R6-7 @ 2-2:30 A.M.

Dec. 4 1370 KVGB R7 @ 3:12 A.M. WTNJ 1280 R8 @ 4:15 A.M.

1390 KRLC R2 @ 3:20 A.M. 1200 WJBW R6 @ 5:15 A.M.

550 KFUQ R8 @ 3:45 A.M.

Dec. 5 1140 KVCO R7 on all night. 1280 KOB R2-3. from 3-4 A.M.

1120 WJBO QRMed @ 3:20 A.M. 970 WCFL R7. Testing @ 4:10 AM.

620 WTMJ R6 @ 3:24 A.M. 580 WILL R6 @ 4:15 A.M. DX Pgm.

1210 WJBY R7 @ 3:26 A.M. 900???? Testing after 4 A.M.

WILLIAM H. STONE, Toronto, Ont. - Writes that he'd like us to try to arrange for a DX from WCRK, as this is one station he can't hear owing to QRM from WADC or KRMF. He says the other Penna., stations that he's not been able to hear as yet are: WLIB, WHP, WKBO, WAZL, WGAL, WFEN & WGBI. Bill would like any one who is familiar with the sign off times of these stations to kindly advise him of same.

JACK HORNER, Elizabethtown, Pa. - Reports that he has secured two DX programs which will be dedicated to the new N.R.C. The first of these took place Sunday morning, December 12 from 3:00 to 4:00 A.M., from station KGB, 1330 kcs., San Diego, Cal., and the second will take place Sunday morning, December 26 from 2:00 to 4:00 A.M. from WJBO, 1120 kcs., Baton Rouge, La. Jack says he hopes all of the members will report these two broadcasts. We appreciate this fine work, Jack!

Jack reports that his only new stations since his last report are: WOLS, WSAL, KVOP, KGLR, KLS, KOLN & GBT.

FRANK WHEELER, Erie, Penna. - Sends us his second NPO report. He says he hasn't done so very much DXing since his last report. Frank reports that he, Harry Gordon, Harold Wagner, and Max Demuling were driving to Cleveland in Harold's Willys to meet some of the Cleveland DXers personally. He said that they expected to meet some of the boys from Akron and Columbus in addition to the Cleveland bunch. We know that all the rest of the members will be anxious to have some kind of a report from you, Frank, with regards to the outcome of this Get-Together.

Nov. 21 1310 WGTM Testing @ 4:18 A.M. 1200 WCLS Testing @ 4:44 A.M.

Frank reports that he can hear WICA on their regular schedule since he lives only 48 miles from the station. He says his latest veries are KFI, WRNL, KVOR, WGTM and WSUI. A few of which he has entered in the S&E Contest, and which appear in next week's report. We might also state that we have appointed Frank as Judge in this Contest. However, Contestants, please note, be sure to continue sending your entries to Bob Weaver, since he has charge of running the Contest. Frank will supervise the running of this Contest and declare who has been the winner at the close of the Contest.

## N.P.C. REPORTS (Continued)

BERNIE DUFFY, Staten Island, N. Y. - Reports two special tips which we feel will be of interest to our members. He states that WJBY, 1210 kcs., Gadsden, Ala., will DX from 1:00 to 3:00 A.M., Sunday morning, December 19th and that WBIL, 1100 kcs., New York City will be on from 11:00 P.M., until midnight on December 31st. Thanks very much for this information, Bernie!

HARRY F. HAWKINS, Manchester, N. H. - Sends in the following information, in addition to another of his very fine NPO reports. Local news is that Toledo interests are intent on having local WFEA deprived of its license when permit comes up for renewal soon. He also says that DXers are to watch for WCCM change in location.

Nov. 21 1310 WGTM R6, only reception this date owing to R8 interference.  
 Nov. 27 760 WJZ Testing @ 5:27 A.M. Seems to be a daily feature.  
 790 KOAM logged through WGY @ 6 P.M.  
 Nov. 28 Reception conditions poor. No KOH audible.  
 1140 KVOO R6 @ 5:50 A.M. 770 CMBS requesting reports 6:09  
 1210 WKCK DXing @ 6:20 A.M. A.M.  
 Dec. 2 1500 WNYF Testing with fire boats @ 12:04 A.M.  
 Dec. 3 1500 Mystery airplane conversation at 3:00 A.M.  
 Dec. 4 920 ??? Playing Fats Waller recordings @ 4:25-4:38 A.M. Can anyone identify? 830 WSJM Testing @ 5:45 A.M.  
 Dec. 5 580 WILL fine pgm. 4-5 AM. In the East here the drop in signal power from 1 KW to low of 257.05 watts only made a difference of  $\frac{1}{2}$  R! 1120 Spanish speaking station from 5:03-6:03 A.M. mentioned Naracaibo. This probably WVIHF mentioned in Forecaster's rpt.

PILL STONE, Toronto, Ont. - Sends us a last minute NPO report containing some very valuable information. Bill says WHAL, 950 kcs., Saginaw, Mich. were heard testing on the mornings of December 2, 3, & 4 until 3:00 A.M., EST. No music, only carrier on the air, with occasional station identification. Bill tells us that his verified log is 512 at present time.

Nov. 28 910 CBF R9 on Test Pgm. 1220 KWSC R4-7 through WDAE from 1140 KVOO on all nite, R9. 3-3:30; R7-8 after 3:30 A.M.  
 Nov. 29 910 CBF Testing 2-3 A.M. 1120 WISN R7-9 from 2-2:15 A.M.  
 Nov. 30 1400 WBRC R7 from 3-5 A.M. 1210 WJBY R5-8 until 8 A.M.  
 1310 WSCN R5-6 @ 4-4:30 A.M. 1010 CHML R9 from 4:20-4:45 A.M.  
 Dec. 4 All Mexicans coming through FB on this date.  
 1030 WMEI R7 from 2:40-5 AM. 550 KPUC R8 from 3-3:15 A.M.  
 Dec. 5 760 WJL Testing @ 3:45 A.M. 1120 WJBO R6-8 on DX @ 2:30 A.M.  
 1200 WJBL Testing @ 2:55 AM. 1140 KVOO R7-8 on all night.  
 580 WILL R7 from 4-5 A.M.

H. W. CRISWELL, Spring Grove, Pa. - Reports that XERA are off the air until 5 A.M. here of late. He also states that he has not heard anything of WABY for the last 10 days. He says his verification from WJR shows an attractive picture of their 733 foot vertical radiator. He also says that Gene & Giene are doing their Christmas Fund Broadcast from KFI this year and can be heard Sunday mornings. Harold says that WOAM & KRGV both claim the distinction of being the Southernmost stations in the United States, while KCOS & KKRC both say they are the furthestest West, but he would like to know which station claims the distinction of being the furthestest North in America?

Dec. 4 1500 KSAL heard through WJBL on monthly test program.  
 Dec. 5 Nothing heard of KOB pgm. 1400 KTUL Testing new equipment.  
 Dec. 6 1310 WTAL Testing till 4:30 AM. 1420 WPAR Testing till 4:30 A.M.



CALL FREQ LOCATION	FROM TO CLUB	CALL FREQ LOCATION	FROM TO CLUB
<u>SATURDAY, DECEMBER 18</u>			
WRLC 1390 Lewiston	3-4	CHNC 960 N. Carlisle	3-4 NNRC
<u>SUNDAY, DECEMBER 19.</u>			
WJBY 1210 Gadsden	1-3	KIUN 1420 Pecos	5-6 UDXC
<u>TUESDAY, DECEMBER 21.</u>			
WRR 1280 Dallas	1-1:30	WBIX 1500 Muskogee	5:30-6
<u>THURSDAY, DECEMBER 23.</u>			
WJJD 1130 Chicago Xmas Day	3-4	IDA KAWM 1500 Gallup	4-5
KADA 1200 Ada	2:45-3:15	WRLC 1390 Lewiston	3-4
<u>SATURDAY, DECEMBER 25. Xmas Day</u>			
<u>SUNDAY, DECEMBER 26.</u>			
WJBO 1120 Baton Rouge	2-4	NRC	

WEEU DX TIP PERIOD EVERY SATURDAY MORNING, 10:30 A.M. LISTEN IN!!!!

DX GLEANINGS (E.S.T.)

By Bob Weaver

IT'S IN THE NEWS THAT...radio waves, some of which are only 1/4 inch in length are being experimented upon at the University of Michigan. It is thought that the production of such ultra short waves may result in an exclusive method of ship to ship communication, which would be unmatched by any other country, inasmuch as none of the other countries have developed equipment for such short waves...it seems that two more weeks will be required to finish up business at the Havana Radio Conference. The North American Region sub-committee, in charge of allocation of stations in Mexico, Cuba, Dominican Republic, Haiti, United States, Newfoundland and Canada are still meeting behind closed doors, for fear that should progress of their negotiations become known that something would step in to spoil that which has already been gained. It is rumored that Canada, Cuba and Mexico did not like the U.S.A. plan, but that some sort of an agreement has been finally reached...LSI, Buenos Aires, Argentina has been barred from broadcasting future sessions of the City Council...with the opening of CBL, the new 50,000 watt, early this month, the CRC will delete station CRCT, which was formerly CKGW, and is one of the oldest and most popular stations in all Canada. CRCY and CFRB will continue as per their usual custom...we know that many of our members will be sorry to learn of the death of John Iraci, well known for his pioneer work over WOV, WBIL and WPEN...a total of 8,372,000 licenses for radio sets were handed out this year by the United Kingdom, this represents an increase of 518,831 sets over last year at this same time...the Commission again failed to take any action on applications before it during the past week, owing to several unforeseen developments. However it is thought that some action will be forthcoming from Washington during the next week.

N. P. O. REPORTS (Continued)

H.W.C. Dec. 7 1370 WBLK Testing @ 2:00 A.M.

We are happy to see the number of N.P.O. reports coming in each week increasing. It shows that the members are really interested in making the NRC, the outstanding club in existence. We hope that we can count on your continued support, and in turn we promise to publish as many of them as we possibly can each week. So, let's have as many of these reports as you can each week.

Speaking of the Singleton & Eliminator Contest, we're delighted with the fine interest which has manifested itself in this Contest. However we still feel that we'd like to have more Contestants to make it all the more interesting. All that is required is that your verification bear a date of, on or since January 1st, 1937 and it will be eligible. Send your entries to Bob Weaver, 603 W. Market St., York, Penna.

## EUROPE AND AFRICA

Location	Watts	Kc.	Location	Watts	Kc.
Bolzano, Italy	10000	536	Fredrikstad, Norway	1000	722
Wilno, Poland	50000	536	Kharkov, l., U.S.S.R.	10000	722
Budapest, Hungary	120000	546	Assuit, Egypt	100	721
Beromunster, Switzerland	100000	556	Madrid, Spain	3000	731
Grahamstown, Sth Africa	10000	560	Seville, Spain	3500	731
Athlone, Irish Free St.	100000	565	Tallinn, Estonia	20000	731
Gorkii U.S.S.R.	10000	565	Saransk, U.S.S.R.	1000	734
Klaipeda, Lithuania	10000	565	Munich, Germany	100000	740
Palermo, Italy	3000	565	Durban, South Africa	1000	749
Magitogorsk, U.S.S.R.	10000	571	Marseilles, France	120000	749
Stuttgart Germany	100000	574	Ordjonikidze, U.S.S.R.	10000	749
Tcheliabinsk, U.S.S.R.	10000	577	Pori, Finland	1000	749
Grenoble, France	20000	583	Katowice, Poland	12000	758
Kasbah Tunis	300	583	Burghead, Gt. Brit.	60000	767
Madona, Latvia	50000	583	Ijevsk, U.S.S.R.	3000	767
Archangle U.S.S.R.	10000	586	Scottish Regional, Gt. Br.	70000	767
Vienna, Austria	120000	592	Sortavala, Finland	250	775
Astrakhan, U.S.S.R.	10000	596	Bloemfontein, So. Africa	750	776
600--700 Kc's			Stalino, U.S.S.R.	10000	776
Cape Town, So. Africa	10000	600	Toulouse, France	120000	776
Rabat, Morocco	30000	601	Leipzig, Germany	120000	785
Sundsvall, Sweden	10000	601	Naltchik, U.S.S.R.	1000	794
Florence, Italy	20000	610	Barcelona, Spain	7500	795
Mourmansk, U.S.S.R.	10000	610	Lwow, Poland	50000	795
Piatigorsk, U.S.S.R.	1000	610	800--900 Kc's		
Oust Abakansk, U.S.S.R.	2500	617	Koursk, U.S.S.R.	2500	804
Brussels I, Belgium	15000	620	Penmon, Gt. Brit.	5000	804
Cairo I, Egypt	20000	620	West Regional, G.B.	70000	804
Ivanovo U.S.S.R.	10000	625	Milan, I, Italy	50000	814
Christiansand, Norway	20000	629	Bucharest, Roumania	12000	823
Lisbon, Portugal	20000	629	Agen, France	1500	832
Trondelag, Norway	20000	629	Kiev II, U.S.S.R.	35000	832
Prague I, Czechoslovakia	120000	638	Berlin, Germany	100000	841
Penza, U.S.S.R.	1200	640	Sofia, Bulgaria	1000	848
Johannesburg, Sth. Africa	10000	648	Bodo, Norway	10000	850
Lyons, France	100000	648	Porsgrund, Norway	1000	850
Petrozavodsk, U.S.S.R.	10000	648	Stavanger, Norway	10000	850
Cologne, Germany	100000	658	Valencia, Spain	3000	850
Jerusalem, Palestine	20000	668	Nairobi, Kenya	600	858
North Regional G.B.	70000	668	Simferopol, U.S.S.R.	10000	859
Groznyi, U.S.S.R.	1200	676	Strasbourg, France	100000	859
Sottens, Switzerland	100000	677	Poznan, Poland	16000	868
Salisbury, Rhodesia	1500	682	London Regional, Gt. Br.	70000	877
Belgrade, Yugoslavia	2500	686	Graz, Austria	15000	886
Karaganda U.S.S.R.	1200	686	Linz, Austria	15000	886
Karzen, U.S.S.R.	10000	686	Tchita, U.S.S.R.	20000	886
Paris, France	120000	695	lochkar-Ola, U.S.S.R.	1000	888
Pietermaritzburg, S. Afr.	10000	698	Helsinki, Finland	10000	895
700--800 Kc's			Limoges, France	1500	895
Elista, U.S.S.R.	2500	704	900--1000 Kc's		
Stockholm, Sweden	55000	704	Hamburg, Germany	100000	904
Rome I, Italy	50000	713	Dnepropetrovsk U.S.S.R.	10000	913
Samara, U.S.S.R.	10000	713	Toulouse, France	60000	913
Bergen, Norway	1000	722	Brno, Czechoslovakia	32000	922

Location	Watts	Kc.	Location	Watts	Kc.
Brno, Czechoslovakia	32000	932	Nice-Corso, France	60000	1185
Brussels II, Belgium	15000	932	Cassel, Germany	500	1195
Engels, U.S.S.R.	1000	937	Coblenz, Germany	2000	1195
Algiers, Algeria	12000	941	Frankfurt, Germany	25000	1195
Goteborg, Sweden	10000	941	Freiburg, Germany	5000	1195
Breslau, Germany	100000	950	Trier, Germany	2000	1195
Pretoria, South Africa	50	952	1200--1300 Kc's		
Gomez, U.S.S.R.	1000	959	Prague II, Czech.	5000	1204
Paris, France	60000	959	Lille, France	60000	1213
Bordeaux, France	30000	968	Bologna, Italy	50000	1222
Odessa, U.S.S.R.	10000	968	Narvik, Norway	350	1222
Orskhva, U.S.S.R.	2000	968	Gleitwitz, Germany	5000	1231
N. Ireland, G.B.	100000	977	Cork, Irish Free State	1000	1235
Beziers, France	400	979	Saarbrucken, Germany	17000	1249
Casablanca, Morocco	25	983	Riga, Latvia	15000	1258
Genoa, Italy	10000	986	Rome III, Italy	1000	1258
Torun, Poland	24000	986	San Sebastian, Spain	1000	1258
Hilversum, Holland	60000	995	Nurnberg, Germany	2000	1267
1000--1100 Kc's			Antibes, France	27000	1276
Bratislava, Czech.	13500	1004	Varna, Bulgaria	2000	1276
Midland Regional, G.B.	70000	1013	Aberdeen, Great Britain	1000	1285
Tchernov, U.S.S.R.	5000	1013	Dresden, Germany	250	1285
Barcelona, Spain	3000	1022	Klagenfurt, Austria	5000	1294
Cracow, Poland	2000	1022	Vorarlberg, Austria	5000	1294
Oviedo, Spain	700	1022	1300--1400 Kc's		
Konigsberg I, Germany	100000	1031	Danzig City, Danzig	500	1303
Paredo, Portugal	5000	1031	Karlstad, Sweden	250	1312
Leningrad, U.S.S.R.	10000	1040	Malmo, Sweden	2500	1312
Rennes, France	120000	1040	Norrkoping, Sweden	250	1312
Krasnodar, U.S.S.R.	1000	1050	Trollhattan, Sweden	250	1312
Scottish National G.B.	50000	1050	Magyarovar, Hungary	1250	1321
Bari I, Italy	20000	1059	Bremen, Germany	2000	1330
Tirasspol, U.S.S.R.	10000	1068	Kiel, Germany	2000	1330
Paris (Radio Cite) France	800	1068	Stettin, Germany	2000	1330
Bordeaux, France	35000	1077	Lodz, Poland	2000	1339
Falun, Sweden	2000	1086	Montpellier, France	1200	1339
Zagreb, Yugoslavia	700	1086	Cairo II, Egypt	500	1348
Madrid, Spain	5000	1095	Dublin, Irish Free State	500	1348
Winnitosa, U.S.S.R.	10000	1095	Konigsberg II, Germany	2000	1348
1100--1200 Kc's			Rjukan, Norway	150	1348
Kuldiga, Latvia	50000	1104	Salzburg, Austria	2000	1348
Naples, Italy	10000	1104	Tampere, Finland	700	1348
Pecamp, France	15000	1113	Bari II, Italy	2000	1357
Moravska-Ostrava, Czech	11200	1113	Milan II, Italy	4000	1357
Alexandria I, Egypt	500	1122	Notodden, Norway	150	1357
Newcastle, Great Britain	1000	1122	Turin II, Italy	200	1357
Nyiregyhaza, Hungary	6200	1122	Warsaw II, Poland	5000	1360
Horby, Sweden	10000	1131	Lille de France, France	700	1366
Turin, I Italy	7000	1140	Basle, Switzerland	500	1375
Trieste, Italy	10000	1140	Berne, Switzerland	500	1375
London National G.B.	20000	1149	Lyons, France	25000	1393
North National G.B.	20000	1149			
West National G.B.	20000	1149			
Kosice, Czech.	10000	1159			
Monte Ceneri Switz.	15000	1167			
Copenhagen, Denmark	10000	1176			
Kharkov, U.S.S.R.	10000	1185			

Watch for the 1400--1530 in the next issue.



Part 3: **SW STATION LIST** Part 3:

By: Anne Eder, S.W. Editor - NATIONAL RADIO CLUB

Megc:	Call	Location:	DIAL :	Sked:
9.78	COCQ	Havana Cuba	_____	Mooving, Try 9.78, 9.68, 9.10 8.20
9.73	....	Ft de France Martou	_____	Radio Martinique 6.45 - 7.45 pm.
9.685	....	Ft de France Martqu	_____	Radio Ft De France - 6.30 - 7.30pm
9.675	DZA	Berlin, Germany	_____	Experimental, irregular.
9.663	T14NRH	Heredia, C.R.	_____	9.00-10.00 pm. and 10.30 - Midnight
9.662	LNLF	Managua, Nicaragua	_____	Irregular.
9.66	UP6AA	Lobito, Angola	_____	2.45 - 4.30 pm. Wed & Sat.
9.66	LRX	Buenos Aires, Argt.	_____	5. M - 1.00 am
9.65	CS2WA	Lisbon, Portugal	_____	4.00 - 7.00 pm, Tue/Thu/Sat.
9.645	HH3W	Port au Prince	_____	1.00 - 1.30 pm; 7.00 - 7.30 pm.
9.64	CXA-8	Colonia, Uruguay	_____	5.00 pm to midnight.
9.635	2RO-3	Rome Italy	_____	12.30 pm to 8.00 pm.
9.63	HJ7ABD	Bucaramanga Columbia	_____	7.00 - 11.00 pm.-
9.63	JFAK	Taihoku, Taiwan	_____	2.00 am to 10.00 am -
9.618	HJ1ABP	Cartagena, Colombia	_____	5.00 pm to 11.00 pm .
9.61	.....	Johannesburg S.Africa	_____	11.45 pm - 12.45 am except Sun.
9.605	HK5J	Panama City, Panama	_____	6.30 pm to 11.00 pm -
9.60	CB960	Santiago, Chile	_____	10.30 am to noon, 6.00 - 7.30 pm.
9.60	RAN	Moscow Russia	_____	7.00 - 8.30 pm.
9.60	OAX5A	Ica, Peru	_____	7.00 pm - midnight .
9.60	XEYU	Mexico City	_____	7.00 - 10.00 pm.-
9.595	HBL	Geneva Switzerland	_____	Irregular ( See 9.345 Megc)
9.59	PGJ	Huizen, Holland	_____	1.-2.30 pm - 7.-8.30 pm Sun/Tue/Wed.
9.59	W3XAU	Philadelphia Penna	_____	Noon - 8.00 pm.-
9.59	VK6ME	Pert, W. Australia	_____	6.00 - 8.00 am except Sundays.
9.59	VK2ME	Sydney, Australia	_____	1.- 2.00 am 5.-11.30 am Sun only.
9.58	GSC	Daventry, England	_____	9.00 - 11.00 pm.-
9.58	OAX5C	Ica, Peru	_____	7.00 - 11.00 pm.-
9.58	VK3LR	Lyndhurst Australia	_____	1.am - 8.30 am, daily -
9.575	K3RM	Manila, Philipines.	_____	4.00 am - 8.30 am.-
9.57	WLXK	Springfield, Mass.	_____	6.00 am to 1.00 am.-
9.565	YV3RB	Barquisimeto, Venez.	_____	5.30 - 9.30 pm. -
9.56	DJA	Berlin, Germany	_____	1.00 am - 11.00 am - 5.pm - 11.pm
9.56	OAX4T	Lima, Peru	_____	11.30 am - 1.30 pm. -
9.55	YDB	Soerabaia, Java	_____	5.00 am - 11.00 am,
9.55	OLR3A	Frague, Czech Slov	_____	2.30 - 3.30 pm.-
9.55	HISE	Trujilo City, D.R.	_____	Irregular.
9.55	XEFT	Veracruz, Mexico	_____	11.30 am - midnight, irregular.
9.54	XEDQ	Guadalajara, Mexico	_____	7.00 pm - 1.00 am
9.54	DJN	Berlin, Germany	_____	1.00 am - 11.00 am - 5.pm - 10.45pm
9.54	VPD-2	Suva, Fiji Islde	_____	5.30 - 7.00 am except Sundays.
9.535	HB9D	Zuruch, Switzerland	_____	9.00 - 11.00 am Sundays/Thu 1-3 pm.
9.53	JZI	Tokyo, Japan	_____	9.00 - 10.00 am & 2.30 - 3.30 pm.
9.53	LKJ-1	Jeloy, Norway	_____	5.00 am - 8.00 am,-
9.53	W2XAF	Schenectady, N.Y.	_____	4.00 pm. - midnight.-
9.52	ZBW-3	Hong Kong, China	_____	3.00 am - 10.00 am irregular,
9.52	....	Radio Liberte France,	_____	6.30 - 8.00 pm. irregular.
9.52	OZF	Skamlebak, Denmark	_____	2.00 - 6.45 pm. -

Please send your reports on SW Reception to Anne Eder, Pouch A. Willmar, Minn.

### CAUSE OF AMATEUR INTERFERENCE WITH BCB

There is one subject upon which some members of this club may have had with the Ham (Amateur), that is the amateur interference with the broadcast receivers. There are a number of reasons for this interference and it can be either the fault of the amateur's transmitter or the broadcast set itself.

In the case of the interfering signal being of the phone type, there are two possible cases of interference with the receivers. In the first case of the set, using the tuned radio frequency circuits, and it being not well shielded and properly designed. The amateur signals will cover the high frequency section of the broadcast band and probably block out the stations located there completely. The second case deals with the superheterodyne receivers. In this case the amateur signal will come in spots on the dial, each spot being very selective and probably heterodyning a broadcast station. This trouble usually means that the local oscillator in the receiver is not well shielded and it allows the various harmonics that are generated by this oscillator to mix with the signal and the resultant is the frequency of the intermediate frequency transformers which tunes the interference caused by the amateur signal as well as tuning in the desired broadcast station

There are ways to cure this trouble and it usually varies with different sets but the fundamental principle remains. In the case of the tuned radio frequency sets a wave trap connected in series with the antenna of the receiver brings satisfactory results. The wave trap consists of a coil and a condenser which is shunted across the coil which has the proper turns ratio so that it is tuned to the interfering signal. This circuit absorbs the interfering signal and yet allows other signals to pass thru with out any loss. There are various types and various circuits such as series tuned, band pass, a radio frequency choke and others. It must be remembered that for the best performance of the wave trap, it must be placed as close to the antenna post of the receiver as possible. If this fails to cure the trouble, the receiver is probably not properly designed and with a few changes in the circuit and other revisions, it will be free of amateur interference. In the superheterodyne set, this trouble is more prevalent due to the large influx of cheap and not properly designed sets on the market today. As it was stated in the beginning, the chief cause of this interference in the superheterodyne receiver is due to the insufficiently shielded oscillator in the set. If a wave trap is used the interference is sometimes eliminated and in other cases useless. Each time it depends on how the set is constructed and designed. In that case, there is nothing else to do but to have the set redesigned or buy a superheterodyne receiver that has the proper characteristics, and construction.

It will be found that a pre-selector or a radio frequency stage ahead of the local oscillator and mixer stage of the set will be very useful in elimination of the amateur interference. This stage attenuates the desired broadcast station and helps to reject the weaker signals that might come in and cause interference, thus minimizing the trouble.

Now, let us take the other side of the amateur hobby, and that is the CRM caused by the "C" or code signals. This trouble is usually heard in the broadcast set as a clicking or thumping sound and it is very annoying to the listener. This time the fault lies with the amateur's outfit and not with the set. The use of a key click filter, properly designed and constructed will completely eliminate this type of CRM. The amateur will gladly appreciate any reports of CRM from his outfit and will be very glad to cooperate with the BCB Listener in curing the CRM. Just contact him. This roughly covers the "ham" CRM and the above contains the essential information.

ERNEST WICHMAN, Cleveland, Ohio Reports hearing a little activity on the 28 Meg band and we submit his log below. Thanks Ernie for the CSO and hope you will continue sending in your reports. Ed.

G5ML	Warwickshire, England	Qsa	5	R	8	G6BH	Staffordshire, England	QSA	5	R	9
G5SA	London,	"	5		7	GM6RG	?	Scotland	5		9
G5VM	London	"	5		7	VP6YB		Barbados	5		9
G6AG	Claverton (Near Warwick)		5		8	F8LR		France	3-4	5-7	

Edward Buklad, Cleveland, Ohio Sends us his first report and we find that he has found the CW bands on the 20 and 40 meter section quite lively and he sends us the following stations heard. Thanks Eddie, hope you'll shoot in some more reports on your DX activities.

VEAAEF	QSA5	R8-9	SP1LM	QSA5	R8	TM4AA	QSA4	R6	LU4EV	QSA4	R7-8
CO2LY	5	7-9	CO6OM	4	7-8						

The VKs XUs PYs and other DX stations are coming in fine on the CW bands.

Then the gang from Erie, Akron and some of the local NPC boys visited my shack on Dec 5th, 1937 a good discussion and general gabfest was had by those who came to see me. Judging by the general conversation, I had decided that the fellows were not using the unit called, "pre-selector" which is no more than an additional radio frequency stage for your set. So I will, in a future issue have a design for a regenerative pre-selector ready for the members. The cost of this unit will be small and most of the power will be taken from the regular radio receiver.

This pre-selector will consist of one tube, a coil, a regeneration control and some other miscellaneous parts and it is fool proof in operation. When this unit is in operation, the weak signals will be raised in volume while the signal to noise ration will be decreased considerable. More info on this in a later bulletin. -Boris Kozel

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* Interesting Articles		By Arthur J. Parfitt
* From Members Letters	OUR MEMBERS TELL ME-	Cleveland, Ohio

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That when the new 350 foot transmitting towers for WCKY at Covington, Ky were erected a short while ago it caused a 4 consecutive day rain fall with in a 30 foot radius of the towers. Olive Johnson.

That the United States Weather Bureau, it is claimed, has consistently achieved over 95% accuracy in all it's 24 to 48 hour predictions. It is said that the cost of the bureau operations runs to about \$3,861,000. per annum. But this it is claimed is offset by the fact that the bureau saves millions of dollars in life and property in the course of the year. Harold Burstrom

EGAR's Sound effect men were quite puzzled back in June of this past year when their wind machine would not make a noise when they wanted noise but would give out a loud chirp when there was no one around. After taking it apart they found a live cricket in the machine. This it proved to be the cause of the trouble. Art Parfitt.

Radio Luxumburg is the only station in that section of the world that will accept the Commercial Sponsored programs of advertisers. The demand for time on this station is so great that they get \$600.00 for the hours before 1 PM and \$1000.00 an hour for any time after that hour. Also interesting is the fact that AMERICAN advertisers use the majority of the time available over this station. Art Parfitt.

ANSWER TO LAST WEEK'S "NUT TO CRACK" is - When Miss Done married Mr. Brown she was no longer DONE, thus after it was Done it was no longer DONE. George Prode Sr.

The following information is REPRINTED from the Official "PROGRAMME BULLETIN" of the PRAHA PRESS and received from Short Wave Radio Station OLR 4 A. It is believe that our members will find it of interest and we urge our listening members to report reception of the English programs. OLR 4 A verifies with a very beautiful card.

The Czechoslovak Republic is situated in a zone of uniform and temperate climatic conditions, and from early December till late in the spring her hills and mountains with their great variety of terrain, provide the skier, whether beginner or expert, with all the pleasure of this delightful form of winter sport. Winter is neither too severe to hinder seasonal sport, nor too mild to be detrimental to ice and snow conditions. The permanence of the excellent snow throughout the whole period ensures for Czechoslovakia a winter sport season which is practically unique in length. This accounts for the unprecedented advance made here in these sports, and assures a large number of comfortable chalets and first-class hotels, so that even the most fastidious visitor can be sure of finding comfortable quarters and pleasant conditions.

Several weeks before Christmas, the beautifully illuminated pines are erected in the squares of all larger Czechoslovakian towns - the so called "Christmas trees of the Republic". Under them are placed money-boxes, and people of good will come and put into them their share, so that even the poorest citizens may spend their Christmas-tide as happy as possible. In the Capital of Prague there shine several such trees and the lighting up of the first one, erected in the ancient Old Town Square, is always an occasion for a ceremony in which take part many prominent personalities at the head with the Mayor of the City of Prague. For 18 years already, every year as Christmas approaches, many pines leave their native woods and move to the Czechoslovakian towns; and standing tall in the streets, they shine there as living symbols of the mutual love of all citizens.

The Czechoslovak short-wave station will include in its transmissions in the next months various programmes of the Czechoslovak medium-wave stations (Praha, Brno, Bratislava, Kosice, Moravska Ostrava). These programmes will be recorded on the steel-tape and subsequently used for broadcasts in our American transmissions.

#### SCHEDULES

OLR 3 A 31.41 Meters 9.550 Mags Transmissions for North American Listeners

Monday (Pondeli) Wednesday (Streda) Friday (Patek) 8:00 to 10:35 PM EST

OLR 4 A 25.34 Meters 11.840 Mags Transmits at the same time as OLR3A above.

The days on which there are no regular transmissions for North America (Sunday, Tuesday, Thursday, Saturday) You will hear news in Czech at - 5:00 to 5:15 PM EST.

News is broadcast over both above stations in Czech at 8:05 PM EST and in English at 9:45 PM EST Monday, Wednesday and Friday.

OLR 5 A 19.70 meters 15.23 mags Every day except Sundays and Holidays 6:20-7:30 AM  
9:25 - 10:10 AM EST Sundays and Holidays 6:00 to 7:30 AM EST.  
Experimental transmissions of all three short wave stations.

Broadcast reception here at my location is getting better but the noise level seems to remain quite high. The best catch so far this month is XEWF 810 Kcs 75 watts at Nuevo Laredo, Mexico.

The usual material used in this column was suspended for this issue in order to bring the above news to the attention of our members and we sincerely hope that our members will find it of interest. Remember the above is a REPRINT from the Praha Press. AJP.