

# DX MONITOR

PUBLISHED BY

THE INTERNATIONAL RADIO CLUB OF AMERICA

DECEMBER 29, 1973 VOLUME 11, NUMBER 14

**DX CALENDAR**

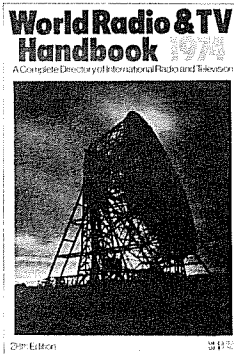
MON. JAN. 7	0100-0530	KBUC	1310	SAN ANTONIO, TX	5kw	D2
	0300-0330	KPCA	1580	MARKED TREE, AR.	25kw	D1
MON. JAN. 14	0200-	WDLC	680	ESCANABA, MI	10/1kw	U1
	0600-0800	WKRT	920	CORTLAND, NY	1kw	U2
MON. JAN. 21	0100-0200	WCSH	970	PORTLAND, ME	5kw	U2
	0300-0400	KABQ	1350	ALBUQUERQUE, NMS/.	5kw	U2
MON. JAN. 28	0330-	KFAY	1250	FAYETTEVILLE, AR	1kw	D1
	0400-0500	KCRA	1320	SACRAMENTO, CA	5/1kw	U4
	0515-0545	WTSO	1070	MADISON, WI	10/5kw	U4
THURS. JAN. 31	0645-0700	KBTC	1250	HOUSTON, MO	1kw	D1
MON. FEB. 11	0200-	WHIS	1440	BLUEFIELD, WV	5/.5kw	U1
WED. FEB. 13	0545-0600	KLYR	1360	CLARKSVILLE, AR	.5kw	D1
MON. FEB. 18	0130-0330	...	1505	THE VALLEY, ANGUILLA	.5kw	
SUN. FEB. 24	0230-0300	KGVO	1290	MISSOULA, MT	5kw	U3

**KBUC** TEST WILL CONSIST OF 30/50/100/400/1000/5000/7500/10,000 HZ TONES, WITH DIFFERENT MODULATIONS, C&W MUSIC, AND MANY IDs. PROGRAM WILL TEST MAIN TRANSMITTER AS WELL AS THE 500 WATT PSA POWER. REPORTS GO TO HOWARD E. HETTINGER, KBUC, Box 20267, SAN ANTONIO, TX 78220. ARRANGED BY ARTIE BIGLEY FOR IRCA.

**KPCA**--SKIP DABELSTEIN, WHO ARRANGED THE TEST FOR NRC, WILL SUGGEST TO THE STATION THAT THE TEST CONSIST OF A SERIES OF ONE MINUTE TTS, C&W MUSIC, AND CODE IDs. V/S IS DALE SANDERS, KPCA, Box 550, MARKED TREE, AR 72365. HE IS QUITE ENTHUSIASTIC ABOUT THE TEST, SO GIVE IT A TRY.

**WDLC**--NO PROGRAM DATA, BUT 10 KW WILL BE USED. WRITE ROBERT HASLOW, WDBC RADIO, P.O. Box 419, ESCANABA, MI 49829. ARRANGED BY EUGENE VONDEREMBE FOR NNRC.

**1974 WRTH IS HERE**



YOU CAN GET YOUR COPY OF THE WORLD RADIO-TV HANDBOOK, THE BIBLE OF THE SERIOUS INTERNATIONAL DXER FOR A DISCOUNT RATE THROUGH IRCA. THE BOOK OF 400 PAGES SELLS FOR \$7.50 ON THE OPEN MARKET; BY SPECIAL AGREEMENT WITH GILFER ASSOCIATES, IRCA IS ABLE TO OFFER THEM FOR THE BARGAIN RATE OF \$5.75 TO IRCA MEMBERS. IF YOU WANT TO GET YOUR COPY AS SOON AS POSSIBLE, GILFER WILL ALSO SEND IT OUT BY UPS ANYWHERE IN THE COUNTRY FOR AN EXTRA DOLLAR. IN ORDER TO GET YOUR COPY OF WRTH AT THIS BARGAIN RATE, YOU MUST ORDER FROM LARRY GODWIN, 2340 SOUTH ST., #202, BOULDER, CO 80302. MAKE YOUR CHECKS OR MONEY ORDERS PAYABLE TO IRCA. DEADLINE FOR THE SPECIAL OFFER IS JAN. 19.

**DX MONITOR**--THE OFFICIAL MAGAZINE OF THE INTERNATIONAL RADIO CLUB OF AMERICA, IS PUBLISHED 34 TIMES A YEAR--WEEKLY FROM NOVEMBER TO MARCH, 3 TIMES IN OCTOBER, TWICE IN SEPTEMBER, APRIL, AND MAY, AND ONCE IN JUNE, JULY, AND AUGUST. OFFICIAL BUSINESS ADDRESS: 3266 NUTMEG ST., SAN DIEGO, CA 92104. SUBSCRIPTION RATES: FOR IRCA MEMBERS: \$7.50 PER YEAR FIRST CLASS (+ \$2 MEMBERSHIP FEE); AIRMAIL \$11 (+\$2); OVERSEAS SURFACE RATE \$7.50 (+\$2); AIRMAIL TO CENTRAL AND SOUTH AMERICA, \$18 (+\$2); TO EUROPE AND AFRICA, \$23 (+\$2); TO OCEANIA AND ASIA, \$28 (+\$2). FOR NON-IRCA MEMBERS, ADD \$3 TO SUBSCRIPTION RATES FOR MEMBERS. SAMPLE COPIES 50¢ OR 3 INTERNATIONAL REPLY COUPONS. MAKE ALL CHECKS AND MONEY ORDERS PAYABLE TO IRCA. CANADIANS, USE POSTAL MONEY ORDERS PAYABLE IN U.S. FUNDS; OTHER FOREIGN SUBSCRIPTIONS, USE INTERNATIONAL MONEY ORDERS PAYABLE IN U.S. FUNDS. SEND ALL FUNDS FOR MEMBERSHIPS AND SUBSCRIPTIONS, AS WELL AS CHANGES OF ADDRESS, TO IRCA, 12536 ARABIAN WAY, POWAY, CA 92064. ENCLOSE SASE IN CORRESPONDENCE WITH HQ IF REPLY IS EXPECTED. EXECUTIVE EDITOR: FATHER JACK PEUZA, (714-282-0076 OR 282-2134); PUBLISHER, GRANT MANNING, (714-566-1264); PUBLISHING CREW: DAVE STROUP, RANDY SEAVER, ALBERT LOBEL, JOHN KOLB.

**BROADCASTING INFORMATION**

(as compiled by Mike Worst;

From the Dec. 3 and 10 issues, and the CRTG.

WTOR	610	1-D	1/2-N	Torrington, CT	granted	WSNG
WCME	900	1-D		Brunswick, ME	"	WKXA
new	1190	10-D		Mississauga, Ont.	CP	
KPAM	1410	5-D		Portland, OR	granted	KLSC
WGNP	1520	1-D		Indian Rocks Beach, FL	granted	WGNB
all powers in kw.						

**NOTES FROM THE EDITOR'S DESK**

WE'RE CHANGING THE FORMAT A LITTLE THIS WEEK, FOLLOWING A SUGGESTION FROM BRUCE PORTZER. WE'VE PUT THE CLUB INFORMATION AND MAILING LABEL ON THE LAST PAGE INSTEAD OF THE FIRST. THIS FREES THE FIRST PAGE FOR FLASH TIPS, ARTICLES (SUCH AS BILL HARDY'S ON DST), AND OTHER CURRENT INFORMATION. WE CAN'T MOVE ALL THE PUBLICATION INFORMATION TO THE LAST PAGE; ACCORDING TO POSTAL REGULATIONS, PUBLICATIONS QUALIFYING FOR SECOND CLASS MAIL RATES MUST PRINT, WITHIN THE FIRST FIVE PAGES, INFO SUCH AS IN THE BOX AT THE BOTTOM OF THE PAGE. (WE HAVE APPLIED FOR A SECOND CLASS PERMIT, AND ARE NOW AWAITING THE OUTCOME.)

**NEW! IRCA STATIONERY NEW!**

EVERYONE KNOWS THAT YOU GET BETTER RESULTS ON YOUR REQUESTS FOR VERIFICATIONS IF YOUR LETTER IS CLEAR, CONCISE, AND GIVES A GOOD APPEARANCE. (HAVING A FEW DETAILS ON WHAT YOU HEARD, AND RETURN POSTAGE ALSO HELPS.) WE FEEL THAT THE NEW IRCA STATIONERY WILL GIVE YOUR REPORTS THE LOOK OF PROFESSIONALISM YOU'RE LOOKING FOR. WE'VE REDESIGNED THE LETTERHEAD TO GIVE IT A MODERN LOOK. WHAT WITH THE MODERN LOOK OF INFLATION, YOU CAN GET 75 SHEETS OF THE 25% RAG PAPER FOR ONLY \$2, OR 100 SHEETS FOR \$2.50, INCLUDING POSTAGE. SEND YOUR CHECK OR MONEY ORDER TO SDPC HQ.

**LAST MINUTE CPC TEST**

WALY-1420, HERKIMER, NY, WILL CONDUCT A PROOF OF PERFORMANCE TEST STARTING AT 0015 ELT ON SATURDAY, JAN. 5. THE STATION IS A 1 KW D1 STATION. INFORMATION FROM KEN BENNER, NNRC.

**GEOMAGNETIC INDICES**

Dec. 12-13 4 4 3 5 2 4 0



**CPC RESULTS AND FLASH TIPS**

**KWED**-1580 WAS ON 12/15 FOR ONE HOUR, 0120-0220, NOT AS SCHEDULED. TEST CONSISTED OF TEST TONE FROM 0120-0122; THEN NON-STOP MCR MUSIC, WITH 1D AFTER EVERY OTHER RECORD, ACCORDING TO ARTIE BIGLEY. **WEXI**-1550 CONDUCTS A MONTHLY FREQUENCY CHECK ON THE THIRD WED FROM 0001-0030 ELT. THEY BROADCAST STATION IDENTIFICATION SEVERAL TIMES, THEN AN OPEN CARRIER FOR SEVERAL MINUTES, FOLLOWED BY ANOTHER 1D. FINALLY, A FEW SECONDS OF 1 HZ TONE AT 60-80% MODULATION. THIS ACCORDING TO PAUL DAPLYN. **WXLE**-1385, CANTON ISLAND, HAS A NEW VERIE SIGNER ACCORDING TO ARTHUR CUSHEN OF NEW ZEALAND. HE IS ROBERT G. GRAY, CAPTAIN USAF, PACIFIC AIR FORCES FREQUENCY MANAGER, CINCPACAF/DCOS1, APO SAN FRANCISCO, CA 96553. SIGN-OFF IS AT 1000 GMT. THIS WAS FORWARDED BY STEWART MACKENZIE OF ASWLC.

**DAYLIGHT SAVING TIME BILL SIGNED, STARTS JAN. 6**

Here is the timetable for the year-round DST bill just passed by Congress, for those of you who wish to dig up more details in newspaper accounts: Proposed by President Nixon in his TV address Wed., Nov. 7. DST bills cleared Commerce committees in both the House and Senate Tues., Nov. 13. The House bill, H.R. 11324, passed the House Tues., Nov. 27. The Senate bill, S. 2602, passed the Senate Tues., Dec. 4. House-Senate conferees worked out a compromise bill Mon., Dec. 10, that was passed by both houses Fri., Dec. 14, and signed by the President Sat., Dec. 15.

The original house bill would have gone into effect at 2 a.m. (local standard times) on the first Sunday more than 15 days after signing of the bill. The Senate version would go into effect at 2 a.m. on the fourth Sunday following the signing. The conferees accepted the Senate version, so DST starts at 2 a.m., your local time, Sunday, Jan. 6, 1974. DST will remain in effect until 2 a.m. (local times) Sunday, Oct. 26, 1975.

Hawaii was exempted from the original House bill. The compromise version exempts Hawaii, Puerto Rico and the Virgin Islands. (What, no exemption for Guam or the Canal Zone?--BH.) Both bills had contained provisions allowing states in two or more time zones to exempt one part of the state from the change, in order to put the whole state on a uniform time. However, states do not have the option of remaining on standard time, as was permitted by the 1966 Uniform Time Act.

If any IRCA members are aware of additional provisions of the DST law, please inform your Special Features Editor so that we can inform the entire membership. (Information consolidated from various AP and UPI reports in numerous issues of the Seattle Post-Intelligencer; several AP stories from the teletype at KSHO; and the Nov. 19, 26, Dec. 3, and Dec. 10 issues of Broadcasting, used by permission.)

125 DAYTIMERS MAY GET EARLY START According to FCC figures, there are some 2,270 daytime-only stations in the U.S. Approximately 1,650 of them have Presunrise Service Authority, or PSA (not to be confused with Public Service Announcement, such as Savings Bonds). This leaves 625 stations without PSA's, but 257 of them are eligible and just haven't applied. The other 368 stns are ineligible under current FCC rules, and some of them were looking towards loss of morning-drive-time revenue and audience from a sign-on time as late as 8 or 9 a.m. in the winter.

The bill signed by President Nixon Dec. 15 (see separate story) authorizing DST beginning Jan. 6 also permits the FCC to relax its rules to permit daytimers to operate not more than one hour prior to local sunrise if such permission is consistent with existing international treaties. The FCC authorization was included in the original House bill by Congressman Harley Staggers (D-W.Va.). It was not included in the original committee version of the Senate bill, and the committee was considering asking the House to strike the provision from its bill.

However, FCC staffers had felt their agency would not have the authority to order such a rule-change without a hearing, as required by Section 316 of the Communications Act, without a specific authorization from Congress (which, after all, passed the original Section 316). Such a hearing might take months, by which time sunrise would be 6 a.m. anyway and the valuable January morning time would already be lost. So the Senate Commerce Committee added the amendment, introduced by Sen. Robert Dole (R-Kan.).

125 stations on U.S. clear channels will be permitted to take advantage of the special "hour-early" permission. But another 245 daytimers on Canadian and Bahamian clear channels, currently ineligible for any PSA's, will have to stay off till local sunrise.

It is not clear whether stations will be limited to 500 watts or lesser power, as is the case with existing PSA's, or whether temporary authority to operate with regular daytime power will be granted until the stations can install power-reducing circuits, as have been installed in many of the 1,650 stns with PSA. We'll know more about this when we see the FCC order implementing the bill. This is expected before Christmas; watch for details in DX Monitor. (Sources included several AP stories from the KGHQ teletype, and the 11/19, 12/3, and 12/10 issues of Broadcasting, used by permission.)

FOR QUICK REFERENCE: Here's a quick rundown on the clear channels where stations will be eligible to operate pre-sunrise once DST starts, under special FCC authority:

Class I-A clear channels assigned to the U.S. Under current FCC rules, stations WEST of the I-A station may operate from 6 a.m. local time or sunrise at the I-A stn, whichever is LATER, with power up to 500 watts. Stations EAST of the I-A must currently stay off till their local sunrise, and these are the ones which will receive special consideration. These clear channels are 640, 650, 660, 670, 700, 720, 750, 760, 770, 780, 820, 830, 840, 870, 880, 890, 1020, 1030, 1040, 1100, 1120, 1160, 1180, 1200, and 1210 kHz.

Generally, stns on class I-B clear channels are allowed to use PSA's if they do not interfere with any nighttime coverage of any I-B stns on the channel (some limit their power to less than 50 watts to do this). A few must stay off till sunrise at the I-B, and some located east of a I-B must stay off till their local sunrise, and these also may get relief (as long as the I-B isn't Canadian or Mexican). These channels are 680, 710, 810, 850, 940, 1000, 1060, 1070, 1080, 1090, 1110, 1130, 1140, 1170, 1190, 1500, 1510, 1520, 1530, 1550, and 1560 kHz.

Treaty arrangements with Canada and the Bahamas preclude PSA's on their eight clear channels, both now and under DST. Canada's I-A channels are 540, 690, 740, 860, 990, 1010, and 1580 kHz. The Bahamas I-A, of course, is 1540 kHz. Stations on those eight channels are out of luck.

However, stations on six Mexican I-A channels are now authorized to obtain PSA's that allow a uniform 6 a.m. sign-on time, and these broadcasters will continue as normal. Mexican clears are 730, 800, 900, 1050, 1220, and 1570 kHz.

And of course, all the stns on regional channels that have PSA's will continue to sign on at 6 a.m. local time, which will now be DST. It is also worth noting that those stns on U.S. I-A and I-B clear channels that ALREADY have PSA's will continue operating as before, so really, only about 125 stns will be affected altogether.

Class IV stns on the six graveyard frequencies (1230, 1240, 1340, 1400, 1450, and 1490 kHz) are not eligible for PSA's, since all are licensed for operation during nighttime hours (including pre-sunrise), generally with nondirectional antennas and mostly with 250 watts.

IRCA SPECIAL FEATURES

Editor: Bill Hardy - 303 W. 10th St. - Aberdeen, WA, 98520  
Deadline: No particular deadline - contributions are typed as they come in and used on a space-available basis. All contributions are welcome.

# DX ROUNDUPS EASTERN

Editor: Mike Mitock, 975 Osborn Ave., Lorain, OH 44052  
Deadlines....Tuesdays

@@  
OF SPECIAL INTEREST:

- 1230 WCRO PA JOHNSTOWN; Pull out the NRC Log for another correction. WCRO has announced that as a public service they would be going to a new schedule of 0530-0100. MM appears to stay the same at 0000-0537. This effective 12/3. (BLC)
- 1440 CFGO ON OTTAWA; Off nightly 0000-0530 since 12/4 (except weekends). Gearing up to 50 kw now. Yech!!! (PRD)
- \* \* \* \* \*
- 610 WDAF MO KANSAS CITY; 11/14 @ 0005 w/telephone talk show. (DF)
- 630 WIRC NC HICKORY; 10/29 s/on 0559. Just short STD, followed by nx...No SSB. (DF)
- 730 \*WPIK\* VA ALEXANDRIA; ET w/OC way u/CKAC. Voice ID's 0059 12/3. (PRD)
- 740 \*KRMG\* OK TULSA; ET 0115 12/3 w/ 1kHz TT, OC, & voice ID 0132. Again 0320 12/9 w/OC and Voice ID 0332. Both ET's must've used Daytime pattern. Nice signals. (PRD)
- 1000 WKDE VA ALTAVISTA; 11/8 s/on @ 0659 u/OC of WSFP, w/no SSB. (DF)
- WSFP NC HICKORY; 11/8 s/on 0700 No SSB. (DF)
- WSUM OH PARMA; 12/8 poor thru WCFL @ 1657, w/"WSUM wx", then faded out to WKDE s/off. Not hrd again thru CFPL. (BLC)
- 1010 KLRA AR LITTLE ROCK; 11/5 s/on 0530 w/SSB. (DF)
- 1080 WKGX NC LENOIR; 11/25 s/on 0730, w/no SSB, o/WEEP. (DF)
- 1110 KFAB NB OMAHA; 11/14, u/WBT w/sports @ 0020. (DF)
- 1220 CHSC ON ST. CATHERINES; 12/3, WGAR off for first time in a year, and this in o/u/YV?? and XEB w/c&w mx 0129, the fading up and dominated about 0140. (BLC)
- 1230 WNNC NC NEWTON; 11/21 s/on 0500 w/SSB. This station carries much religious prgms. (DF)
- 1250 CHWO ON OAKVILLE; 11/14 @ 0133 on top of channel for 30 minutes w/contest and mx. (DF)
- 1290 WHKY NC HICKORY; s/on 10/29 @ 0509 w/SSB. Late due to time switch. CE says 0500 s/on, NRC log says 0400. (DF)
- 1380 WGSE NC NEW BERNE; 12/7 Noted very strong w/s/off 1659....calls garbled, but ann D1 5kw and ment. of NC. This should be widely heard w/these kind of signals. (BLC)
- WBEL IL N. COLOIT; 12/7 Fair w/unID nulled, w/ID and spot for what sounded like the Coloit Mall, methinks. (BLC)
- 1490 WSVN NC VALDESE; 11/25 s/on 0555 w/SSB. (DF)
- 1570 WYTI VA ROCKY MOUNT; 11/21 s/on 0600 no SSB. (DF)
- 1580 KCHA IA CHARLES CITY; r/c w/ID & 1 kHz TT's 0142-0153 s/off 12/8. Tentatively at 0133 12/8 w/Walter Carlos' "Well Tempered Synthesizer" album. (PRD)

\*\*\*\*\*  
 THIS WEEKS R/C's:  
 2nd Sat: KCHA-1580 (IA) (PRD)  
 \*\*\*\*\*  
 MANY THANKS THIS WEEK TO:  
 (PRD)--Paul Daplyn, 830 Denison Crescent, Ottawa, ON K2A 2N5  
 (DF)--Dave Pilscher, Box 489, Hickory, NC 28601  
 (BLC)--Brian L. Cartwright, 106 Leila St., Johnstown,  
 PA 15905

\*\*\*\*\*  
 Many thanks to all of you. Let me first take time out to wish all of you a very Happy New Year!  
 IMPORTANT NOTICE: It is my understanding that nationwide Daylight Savings Time goes into effect on Jan. 6. Therefore, beginning w/ the Jan 12, 1974 issue, ALL times in the EXXR are to be listed in DST!! Canadian members will have to ADD 1 hour to your times when submitting reports. Also, members reporting Canadian Stations remember to ADD 1 hour to the time!  
 Once again, Happy New Year, and Keep reporting! Support your Forum Editors, and DXWW as well! 73 to all.

**CENTRAL**

Richard C. Evans  
 Box 2048, Gary, Indiana 46409

**OF SPECIAL INTEREST:**

- 1300 KXKO OK Tulsa, now using this call w/MoR & some lite RR & oldies. x-KCNW, Some personnel changes but about the same stn as before. Now NSP (ugh). Changed 12/9. (JB)
- 1530 KJEM OK Wagoner, x-KWLG w/C&W. 250 w. daytimer. (JB)
- \*\*\*\*\*
- 560 WIS SC Columbia, s/on 11/19 0558. (CWD)
- 680 CFTR ONT Toronto, 11/17 RR 2219. (CWD)
- 690\*\*KRCO\*\*OR\*\*Prineville, 11/26 poor w/CW ID 0400. (CWD)
- 710 CJRN ONT Niagara Falls, weak but clear u/ WOR w/call "CJRN" & promo for a Nx-tip phone number. 12/7 1948(PB)
- 910 KGLC OK Miami, (pronounced "my-AM-uh"), per the question on their format in EDXR, they are RR 1900-0100 only. The rest of the time, they are C&W. (JB) 0152 12/9 with Xmas contest spot and C&W Mx. In o/WLCS w/fair signal. (PH) In good for a moment 12/7 w/slogan "Rock ...on KGLC", then Mx by Jim Croce 2039. (PB)
- 930 ???? CO? stn here w/fair sig. o/u WKY with Denver Broncos FB. 12/9 1906. At 1910, there was an ad for KIUP? Total Info Nx and an Ai intro, then more FB. Who is it? (JB) (Would sound like KIUP to me--rce)
- 950 KIMN CO Denver, 12/9 for 2nd straight SM w/fair signal and RR music. (PH)
- WBBF NY Rochester, good, fady 2034-2038 12/7 w/RR-soul Mx, ads. (PB)
- 960 CKWS ONT Kingston, o/WFIR/WSBT 12/7 w/ads jingle "CKWS" 1923, RR. (PB)
- 980 CFPL ONT London, 1725 12/8 w/RR, ads for London stores. (PB)
- KFRD? TX Rosenberg-Richmond, 12/11 1819 ID out of mess. When do they s/off? (NWP) (1830 in December--rce)
- WPHG VA Bristol, 0517 12/5 good signal w/Christmas-wish contest and RR Mx. New. (PH)
- 1080 WEEP PA Pittsburgh, 12/7 u/KRLD w/ad for store near Pittsburgh Airport 1658, s/off 1659 w/mention of "Steel City" and inv. to FM. (PB)
- 1170 KSTT IA Davenport, fair w/WVVA QRM w/heavy RR, 0212 12/10. KVOO off on 2nd MM long SP. KSTT nulls this way(JB)
- WVVA WV Wheeling, fair w/C&W o/u KSTT 0210 12/20. (JB)
- 1190 KHAD MO DeSoto, 1750 12/5 o/u WOWO with C&W music. Fair signal. New.(PH)
- 1230 WJBC IL Bloomington, 0130 12/10 fair/poor with news. (JB)
- KNUZ TX Houston, fair w/C&W & K-News IDs, 0218 12/10. (JB)
- 1240 WARF AL Jasper, 12/25 s/on w/SSB 0600(CWD)
- KFOR NE Lincoln, poor w/old RR, Phone # given as 432-6776. Faded quickly 12/8, 0047. (JB)

3

- DECEMBER 29, 1973
- 1250 WEMP WI Milwaukee, 0138 12/9 finally hrd well enuf f/rpt w/sports & WX.(PH)
  - 1260\*\*KROX\*\*MN\*\*Crookston, 11/26 ET-TT 0110. (CWD)
  - 1270 WWCA IN Gary, 12/10 u/WXYZ 1816 w/jingle and RR Mx. (PB)
  - 1350 WSLR OH Akron, xint 12/10 1917-1921. Broadcasting from McIntyre Chevy; jingle "WSLR, whistler Wx", Wx, C&W Mx. (PB)
  - 1360 KFFA AR Helena, 12/13 1807-1825 Wx, sports, Xmas Mx, good signal. (DWP)
  - 1400 KTTS MO Springfield, 0352 12/9 hrd on top of freq. w/fair signal & RR Mx.(PH)
  - 1420 WVJS KY Owensboro, 0345 12/9 fair w/MoR Mx and car dealer spot. New. (PH)
  - 1430 WLAU MS Laurel, 12/13 1800 s/off. (DWP)
  - 1450 WCVS IL Springfield, 0356 12/9 fair on top of freq. w/Nx and Wx. New. (PH)
  - 1460 WBNS OH Columbus, good-weak 12/6 1921 thru KSO w/light RR, jingle, ad for Robinson Jewelers. (PB)
  - 1480\*\*WMAX\*\*MI\*\*Grand Rapids, 11/26 ET 0105. (CWD)
  - 1500 CKAY BC Duncan, 11/19 s/off 0311. (CWD)
  - KGMR AR Jacksonville, 12/7 s/off 1800(CWD) 1276 s/off 1800, DJ--Bill Taylor. Owned by Radio Jacksonville, Inc.(PB)
  - KSTP MN St. Paul, in like a local 12/8 1725 w/RR, ads. (PB)
  - 1520\*\*KMAV\*\*ND\*\*Mayville, 12/3 exc. on DX 0300(CWD)
  - 1550 KGMO MO Cape Girardeau, good-weak 12/6 1745 with s/off. (PB)
  - KKJO MO St. Joseph, 12/13 2124 ID from behind WOKJ. (DWP)
  - 1580 KWNT IA Davenport, 12/8 s/off 1730. Inv. to FM, Xmtr in NW Davenport. (PB)
  - 1590 KPBA AR Pine Bluff, 11/19 s/on 0659.(CWD)

**PER THE LIST:** (all CWD)  
 2nd SAT: WYWY- 950 KY 4th MON: KGIW-1450 CO  
 3rd MON: KWLA-1530 LA WMIS-1240 MS

**A TIP OF THE HAT THIS WEEK TO:**  
 JB - JIM BOYD, 9017 E 29th Ct, Tulsa, Okla 74129  
 PB - PHILIP BOERSMA, 15570 Cleveland Street, Spring Lake, Michigan 49456  
 CWD - CARL DABELSTEIN, 3300 N 56th St., Lincoln, Neb.  
 PH - PAUL HEFLIN, 231 Valley Ridge Dr, Jackson, Miss.  
 DWP - DAVID PHILLIPS, 336 24th Ave NE, Birmingham AL (Welcome, Dave. WERC-960 is a "pest" here--rce)  
 Would you believe another verie here: WBVP-1230 for their test, and my fifth graveyard verified from Pennsylvania. Totals here now 1293/700, states 49/48 provinces 8/6 countries 29/9, continents 4/3. Best reception this year has got to be 4QD-1550 for my first DU, tho. I still consider KHIL-1250 as one of my luckiest over the years. Remeber--all reports from now on go to John C. "Charley" Keleher, 3924 Sleepy Hollow Lane, Fort Wayne, Indiana 46804. 73.

**Western** Editor: Jeff Brasier- 10341 Shirley Ave-Northridge, CA 91324 Deadlines- Wednesdays PHONE-(213) 360-7969

- Tests and Station information and schedules
- 790 CFAN NB Newcastle is new call..ex C-FUN. (jo-AB)
  - 910 CFJC BC Kamloops is not CFCR (as in the local TV Calls) as reported. (jo) Tulsa 11/26 0200, s/on annced return to the air after maintenance. This evidently 1 hr SP. Was a 4th MM- NRC log says they're off 2nd MM, but for 5 hrs. (NG-WA)
  - 1260 CFRN AB Edmonton AN6 (off MM) now carries ALL Edmonton Oilers WHA Hockey Games..ex on CJCA 930. (jo-AB)
  - 1340 CKBR AB Brooks is now 8 1/2 hrs local-live pgms. evenings. Otherwise //CJDV 910 Drumheller. Nx comes from CJDV though. (jo-AB)
  - 1490\*\*KDBM\*\*\*MT Dillon 12/3 easy on f/c w/TT, code ID 0304, clr spoken ID twice 0305. Sequence repeats every 70 seconds. Per f/c list, quarterly, next one 3/4 0300-0330. Should be a cinch throughout the west. O/KRRN; KVAC not hrd after 0315. (BH-WA)
  - CFNC MB Cross Lake Indian Reserve a "newie" is a big 25 watts. Go get 'um.(jo)

1550\*\*KIWA\*\*\*IA Sheldon 12/10 w/rr mx on TEST, w/ IDs "This is K-I-W-A 15-50 Sheldon, Iowa. (BC-CA) ④

1560 KGHO WA Hoquiam WAS OFF THE AIR ALL DAY 12/5 thru 12/7. Resistor in AM xmtr caught fire, replacement part got caught on strikebound plane & didn't arrive till night of 12/7. Filaments on Gates xmtr were off, too, removing 1-watt OC normally present on 1560 AN, so I DXed like crazy! KGHO-FM on the air during this time. Back on air w/500 watts all day beginning 12/8. No WQXR yet, though! (BH-WA)

ALSO:

790 CFCW AB Camrose AN-6 (off MM) is now 50kw ...c/w mx. (jo-AB)

1170 CKGY AB Red Deer (not CJPC) is NSP. "KG" country mx 24 hrs a day from Red Deer in the Parkland. Late beginning due to ground trouble. This is yours Bruce Portzer. 346 is RD's phone exchange. 10kwd/5kwn. (jo)

1220 CJRB MB Boissevain 10kw is ON THE AIR // CFAM 950 & CHSM 1250. (jo-AB)

\*\*\*\*\*  
NOW ON TO THE OTHERS:

540 CBK SK Watrous, CBC pgm ending 11/12 0059 1/2, CBC promo, NO ID, 0100 CBC headlines, 0102 1/2 CBK ID. Gud sig o/XEWA. KBKW-1450 image (910 kHz away) had blocked this freq on G.E. (BH-WA)

550 KOY AZ Phoenix 12/10 0611 atop KTSA, KARI, others w/MoR mx, "Merry Xmas from KOY" jingle. 550 is gud DX freq here after KOAC & KMVI off- keep reading! (BH-WA)

KRAI CO Craig 12/10 0759 1/2 inst SSB u/KBOW s/on, then fair-to-poor s/on mentioning 5 kw-D, 500 w-N, then KRAI call, just audible. (BH-WA)

KBOW MT Butte 12/10 0759 inst SSB & s/on, then CBS nx 0800 w/local sponsor (15 min.). (Corrects 0600 MM s/on in NRC Log.) (BH-WA)

KTSA TX San Antonio 12/10 0520 call clr atop freq momentarily, then loud & clr w/live ID 0601, top 40 rock. Atop distant GY-channel-like rumble inc. KOY, KARI, others. (BH-WA)

560 KBLU AZ Yuma 11/27 1900-1945 o/KLZ, KSFO w/rr mx, many, many spots, and KBLU Yuma radio 56 IDs. (JAB-CA)

580 CKXR BC Salmon Arm 1110 12/1, sports, gud call given frequently as "Big R"(KGH)

590 KUGN OR Eugene 1113 12/2 sports, gud w/promo for a basketball game on KUGN. (KGH)

KHQ WA Spokane 12/8 s/off 0300 w/KUGN. V. gud. (BC-CA)

600 KOGO CA San Diego 12/10 0222, u/CJOR's relig pgm. w/long pauses, clr KOGO call and pop mx. On past 0500. (BH-WA) (NRC log is incorrect, KOGO is very NSP-JAB)

610 KONA WA Tri-Cities 1919 MoR mx, 12/2, fair. (KGH-BC)

CHNL BC Kamloops 11/25 1943 gud rr mx. (KGH)

620 KWAL ID Wallace 11/25 2949 o/u KGW, giving wx conditions for N. Idaho. (KGH-BC)

740 KTRH TX Houston 11/25 2200 w/KCBS nulled, loud and clr on ID (w/CBS jingle) & into concert. Expected CBX but got this; I'd rather have this: hi. (BH-WA)

800 CKOK BC Penticton 1115, 12/1 sports, fair/poor. (KGH-BC)

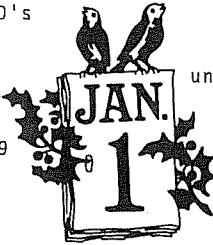
850 CKRD AB Red Deer 1116 12/1, C&W mx, gud way o/KTAC. (KGH-BC)

910 KNEW CA Oakland 11/25, 1840 v. pr u/CFJC. (KGH-BC)

CFJC BC Kamloops 12/9 2228 w/pop-country mx atop for jingle (sounded like CFAC) then DJ saying "91-Kamloops." Lotsa stuff on channel: KISN/KNEW/KALL and maybe KIXI! (BH-WA)

940 CJIB BC Vernon 1936 12/1 promo for Silver Star Mt., MoR mx, fair. (KGH-BC)

950 KBRJ ID Boise 11/25 1908 gud w/KJR nulled. C&W mx call given as "K Bar J"(KGH)



KLER ID Orofino 11/25 1829 way u/KJR w/C&W-MoR mx and SID. (KGH-BC)

960 KLAD OR Klamath Falls, 1825 12/1, C&W mx, fair. (KGH-BC)

990 KTYD CA Santa Barbara is now KTYD ex-KGUD per verie. (JAB-CA)

1040 KHVH HI Honolulu hrd w/talk on energy crisis 12/9, then s/off 0502. (JAB-CA)

1050 CHUM ONT Toronto just barely got an ID thru 12/3 0400. RR mx. (JAB-CA)

1070 CBA NB Moncton 12/3 s/on 0500 w/local KNX off, hvy fades and static. IDs as "This is C-B-A Moncton." Nx on the hr & half hr. (BC-CA)(very, very fine catch, Bill-JAB)

1080 KSCO CA Santa Cruz 12/6 1028 clr KSCO & KSCO-FM ID u/KWJJ. W/local KGHO off (see 1560), a bad local image (1560/1320/1080) disappears. (BH-WA)

1140 KGEM ID Boise-Nampa 1931 12/1 C&W mx, call given as "K-GEM", gud. (KGH-BC)

WRVA VA Richmond 12/3 0614 clr ID "time on WRVA", fair-to-avg sig atop unID (KS00?); o/u unID till 0630 tune-out. New state: (BH-WA)

unID ?? 12/3 0615 CST TC, wx and sports, o/u WRVA. Long wx w/temps today, yesterday, last year, etc. Temps around 20! I suspect KS00- SD would be a new state here too, so I'll keep trying! Ideas, anyone? (BH-WA)(I'd say KS00. For state of SD, KXRB-1000 is easy here any MM w/0700 s/on-JAB)

1190 KNBA CA Vallejo 12/9 1943 w/horse race "recreation" (their word) ending, then s/off clr w/call, city & other stuff thru partly-nulled KEX. Ann. s/on "local sunrise," no NA. (BH)

1230 KCBN NV Reno in v. gud w/rr mx 12/3 o/KRIZ w/local KGFJ off. (JAB-CA)

1260 WIBV IL Belleville s/on atop 0700 11/26. (BP)

CFRN AB Edmonton 1128 12/1, MoR mx, v. gud. (KGH-BC)

1310 KLIX ID Twin Falls 2008 nx, 12/1 pr. (KGH)

1340 KAIN ID Boise noted in AN 12/10 w/EL mx o/u KMAK, KRAM. (JAB-CA)

KSMK WA Kennewick still using these calls 0200 11/17 contrary to what was in Broadcasting info a few weeks ago. (BP-WA)

CJPI BC Vanderhoof new stn first noted 11/16 0950-100 w/MoR & C&W mx. Strong and topping all others. (BP-WA)

1390 KBLW Logan 11/26 0006 SID during Top 40 countdown w/YL anncr. Gave headlines at 0002, no-ID not even call letters, well atop freq. (NG-WA)

1420 KUJ WA Walla Walla 1928 12/2, Xmas spot fair. (KGH-BC)

1430 CKFH ONT Toronto was my unID of last time per Back to the Bible list, tho calls aren't exactly what I hrd. Why would a major market rocker carry religion from 6:30-7am anyway?(BP)

1440 KGLX OR The Dalles 1927 12/1 rr mx, poor-faded quickly. (KGH-BC)

1450 KUPY WA Puyallup ex-KAYE first noted using these calls 0030 11/25 w/mixture of soft rr & schmaltz. S/off 0200 men't 0900 s/on. (BP-WA)

1470 WMBD IL Peoria atop w/nx 0702 11/19. (BP)

CJVB BC Vancouver 1829 12/1 fair, EE, MoR fair. (KGH-BC)

1480 KWIZ CA Santa Ana noted ON MM's lately. NSP?? (JAB-CA)

1530 WTTI GA Dalton s/on again 0715 11/18 weakly. They're getting to be almost as regular as WCKY, hi! Watch this freq on SM's when WCKY has public service/discussion pgms. There's no way you can get rid of WCKY, but the QRM is a little easier to live with then. (BP-WA)

WCKY OH Cincinnati 12/8 0722 "WCKY, Cincinnati Ohio" address for some kind of contest or mail-in offer. KFBK off nitely here. KYXI (bless 'em) splattering. (BH-WA)

unID ?? UNID s/on 0645 11/18 u/WCKY. Short anmt men'd lkw, then played SSB & went into soft MoR. SRS map shows WENG & WMBT are only ones w/0645

DECEMBER 29, 1973

s/on, but could also be WPNO which could s/on after 0630. HELP!! (BP) Jackson 11/28 0504 looking for KQWB f/c (not hrd) (per stn KQWB does not have a r/c-JAB), KKHI mostly nulled, WOKJ ID suddenly appeared & into some pgm. (BH-WA) 12/6 1935-1942 separable from KKHI during SSS. Much easier on MM, though! Soul mx. (BH-WA)

1550 KOQT WA Bellingham 12/6 0959 "Haven of Rest" ending, ID & local nx, atop KGAR & KKHI. Nx till 1014. KGHO off (see 1560). (BH-WA)

KGAR WA Vancouver 12/6 0959 o/u KOQT w/some KKHI & local KGHO-1560 off air; Ac nx ending, ID, Nx till 1011, then oldies rr. (BH-WA)

1560 KIQS CA Willows 12/6 1944 s/off u/KPMC farm-market telephone rpt. Am sure of call, & "Willows Bcgt. Co." clr in pause of KPMC rpt. 250 watts. NICE!! (BH-WA)(I hrd 'em a while back w/KPMC off or u/KPMC on SSS. V/s Bob Melrose says he has probs hearing KIQS in Willows!-JAB)

KDFL WA Summer 12/6 0953 MY MOST WANTED!!! Atop partly-nulled KPMC w/ID, w/ KGHO's carrier & filament radiation completely gone. Had v. gud sig 12/6 1850-1915 s/off w/inst SSB, little KPMC at that time. (BH-WA)

UNID ?? Stn s/on 0700 12/1 w/GSQ. Prob CFRS tho a US stn could be playing "My Country Tis of Thee" which has the identical melody. (BP-WA)

UNID ?? Stn hrd w/TT 12/13 0445+, I think s/on was 0445 as I noted a v. low voice. (JAB-CA)

1580 KRZI TX Waco gud w/rr 0650 11/19. Now NSP? (BP-WA)(I believe so-JAB) ++12/3 0430-0456 fair-to-poor sig w/rr, KDAY off & no QRM. Nx at :55. KRZI call finally hrd 0453. (BH-WA)

This week's supporters are:

- (BC) Bill Connelly- 16936 Burbank Blvd.- Encino, CA 91316 RX: DX-150A  
ANT:2' spiral loop
- (NG) Nancy Gantzer- 3122 Simpson Ave- Apt. 1, Hoquiam, WA 98550 RX:HE-30  
ANT:SM-1
- (BH) Bill Hardy- 303 W. 10th St.- Aberdeen, WA 98520 RX:HE-30  
ANT-SM-1
- (KGH) Ken Horne- 2150 West 20th Ave- Vancouver, B.C. V6L 1G1 RX:Philco radio  
ANT:100 foot LW
- (jo) John Oldfield- 19 10940-83 St.- Edmonton, AB, T5H 1M1 RX:??
- (BP) Bruce Portzer- 14056 5th Ave. South- Seattle, WA 98168 RX: National NC-120  
ANT:SM-2, 4 foot direct-coupled loop
- (JAB) Jeff Brasier- 10341 Shirley Avenue-Northridge, CA 91324 RX: HQ-129-X  
ANT:2' box loop

Well, the mail screwed me up for the 12/8 issue, so this is being sent earlier than usual. Last issue took 5 days from SD. Welcome this week to KGH and Jo. DX not the greatest here lately, but BCs catch of CBA is well wanted here. Veries- v/q JOHK-890, JOHB-1090, WABC, v/l KGUD, CJVB, KTGO for #37 state veried, CKDA, KVIP, KVEG, WAKY, v/PP CKVN, v/f KEWI. New years resolution: to bring to you a better typed WDXR, and a better worded one for my little piece here. Best of DX to all in '74, and may next year be one of the best. '73's in '74.

Tests and Station Information

- 570 KGRT NM Las Cruces hrd e/ET, TT u/local KLAC 0319-0330 12-15. ID at 0220 gud while KLAC had talk. (JAB-CA)
- 610 WDAF MO Kansas City in w/ID and rr mx. This was supposvly on ET. Sounded like RS. (JAB-CA)
- 850 KTAC WA Tacoma on ET on RS 10000kw o/KOA OC 0650 12-17. (JAB-CA)

5

- 900 KGRB CA West Covina ET w/TT from 0300-0330 12/14. I could hear XEW slightly u/KGRB. I called engineer and he said that they were ETing as no ID was heard. (GP-CA)
- 1220 KIBE CA Palo Alto on ET w/OC 0313 12/15 o/ 1220 mess. (JAB-CA)
- 1270 KCOK CA Tulare noted on RS at 0345 12/16. A schedule change in NRC log. (JAB)
- 1550 KUAT AZ Tucson on ET w/TT AN 12/16. (JAB)
- 1600 KLAK CO Lakewood hrd w/TT 0250-0326+, gud o/KWOW. (JAB-CA)
- also: 1530 KNIE WY Cheyenne ET 12/14 & 12/15 w/TT o/ KFBK. I didn't know KCHY had KNIE calls granted? (JAB-CA)
- +++++
- 560 KSFO CA San Francisco clr sig w/ID & then nx on the hr. Slight slop from KLAC 570, but I nulled KLAC w/out any problems. 0300-0305 12/14. (GP-CA)
- 570 KLAB UT Salt Lake City 2150 12/12 fair w/ KVI looped, quiet background mx.(KGH)
- CKCQ BC Quesnel 12/9 2105 MoR mx poor u/KVI (KGH-BC)
- 630 KOH CA Reno 12/8 1959 w/ mx, poor. (KGH)
- 750 KFQD AK Anchorage 12/12 0405 fair w/ex. (KGH)
- 900 KUEN WA Wenatchee 11/12 1902 poor, way u/ CJVI, CBS nx. (KGH-BC)
- 920 CKWL BC Williams Lake 12/9 1300 w/mx fair. (KGH-BC)
- 930 KSWB OR Seaside 12/11 1225 gud sig w/nx, sports, wx. (KGH-BC)
- 1010 KCMJ CA Palm Springs w/s/off 0307 after CBS nx 12/19. (JAB-CA)
- 1050 KWSO CA Wasco 12/8 1945 s/off, fair o/XED, XEG. (KGH-BC)
- 1090 KNCR CA Fortuna 12/10 1902, nx gud w/KING off, CHEC nulled. (KGH-BC)
- KING WA Seattle was off for 2 hrs 12/10 between about 1715 & 1915. CHEC was the dominant stn. (KGH-BC)
- KANN UT Ogden 12/10 1859 s/off, religious, fair w/KING off u/CHEC, KNCR. (KGH)
- 1230 unID ?? Stn 12/12 0345 gave wx, temp in Stockton & Salinas then "It's currently 49 upon Midway in---Alex Fraser for 20-20 nx, the sound of nx in the making" Then there was a SID that sounded like KFUI 1230. Fair sig o/u KRDR.(KGH-BC)
- 1280 KTLK CO Denver w/AT40 12/17 0600, local spots & IDs. (JAB-CA)
- 1290 KCUB AZ Tucson in gud w/KMEN San Puerto. Tucson stronger than KMEN. KCUB w/ ID & MoR mx. 0100-0105, 12/14.(GP)
- 1310 KBUZ AZ Mesa coming in w/real strong sig & ID anncing K-BUZ Radio Mesa. Buz Radio 1310. E1 mx. 0230-0235 12/14. (GP-CA)
- KARY WA Prosser at last! 12/11 1017 pr w/CW mx & sports u/KNPT w/CHQM splash. (KGH-BC)
- 1600 KLAT UT Centerville 12/11 1812 pr, OC after MBS nx at 1800, KASH nulled. (KGH)

The week's supporters are:

- (KGH) Ken Horne- 2150 West 20th Ave- Vancouver, BC, V6L 1G1 RX- 1938 RCA 816K w/spiral loop
- (GP) Gary Parton- 15115 Partenia #173- Sepulveda, CA 91343 RX- Kenwood 2120 w/spiral loop
- (JAB) Jeff Brasier- 10341 Shirley Ave- Northridge, CA 91324 RX- HQ-129-X w/2' box loop

Veries: v/q KLEI, KONO, v/l KURL, v/memo KBLU '73's

\*\*\*SCADS\*\*\*

Southern California Area DXers  
Another one scheduled February 16 & 17th, at the same location in Tustin. If you missed the last one, here is your chance to get even on what was said about you!! Start planning now, and watch these pages for more details... InCA will be there!



# DX FORUM

6

## EASTERN

EDITOR: BRUCE HEIMBURGER, 1710 CAMBRIDGE RD.,  
ANN ARBOR, MI 48104

Paul Mount - 471 Emerson Ave.  
Teaneck, NJ 07666 201-836-1137

Hi gang! Thanks to all of you who decided to write to me, I got 7 letters/cards in one day, new record. Recently have enjoyed telephone conversations w/Ron Evans (WVOJ), John Sally, Charles Berman & Charlie Hrinko. Thanks to him for IDING WDKD for me. Too bad the formers didn't cost the same as the letters(O). Not too much DX done week of 11/25, CFGO bombing in 12/1. It's Dec. already, oh wow. Veries in include: WCCO(#22), KSL(#23), WBT(state 24), PJB for cnty 3, WGR, all v/as. Where is WGNG licensed to? Funny that I got two DXFs in one issue, wasn't my idea. Also odd that I can hear 500w WMBA but can't hear 50kW KDKA from same area. So 73s and DX for now.

Eric Floden - 13 Perkside Crescent  
Ottawa, Ontario K2G 3B6

Daylight savings time is a rather universal phenomenon buring certain months of the year but I must question the change from EST to EDT in the DXRs if the US should switch earlier than usual. In areas where DST is not in effect it would be easy to forget that the DXRs are in 'funny' time, whereas living in DST you would be aware of it, altering your already-short winter day. The IRCA is international in name at least. Without realizing it I walked right past all CIDXCers at CFRC-1490 in Kingston. I figured it wasn't DXers DXers because Jon Parkins wasn't there! Sorry. Added WKNE, WIL, WJLM & R. Clarin to my 'heard list w/the SX-25. Dug out my veries and was pleasantly reminded of TGJ-880, CMBC-690, CFCY, CFBC, CHLC, SRS-725 & WVLH-650. Hope to add more soon.

Paul R. Daplyn - 830 Denison Crescent  
Ottawa, ON K2A 2N5

Anyone thinking of getting an SPR-4 should read Bob Fischer's review (IRCA reprint T4-4). It's interesting! It's unfortunate the 400 Hz & 2.4 kHz filters aren't tuneable across the IF band-pass. It would make this good rx even better! Canadians: I'm checking to see if the C.M. Peterson Co. in London, Ont. still has SPR-4's in stock. More on this later. Guess it's re-intro time. I'm 26, single & an electronic technician working for Computing Devices of Canada. I slowly developed an interest in DXing in 1960, but didn't become an active DXer until 64. I joined IRCA in 69 & NRC a couple of months ago. I'm primarily a domestic BCB DXer, but also like DXing foreigners, SW & FM. Rx's here are National HRO 500 & NC-183 & Fisher 250T. My 4' box loop is would w/heavy litz wire for improved sensitivity & selectivity (approx #10 wire size). The only "Ekko Stamps" I ever rec'd were from KFI & KFYZ. Veries: CBN CBNM WEAN & WPOP. 73.

Richard Shaftan - 60 Gramercy Pk. - NY, NY 10010  
Hi. Finally converted NYC-Bermuda BCB & SWL totals to NYC totals. For the next several weeks I won't be doing much DX work til the 8th or so because of exams. Xmas vacation from 12/20 til 1/8 will make up for it. NYC totals are 207/34/5/16. QSL totals too low to put down, hi. Breakdown of countries: Europe-5, NA-3, CA-3, SA-4, Carib.-4. Latest catches: WNAT, WTBO, WRN0?(ex-WRAN?), WLDB, & WJZZ. (other stns edited. Richard you should send your catches to Mike and the BDXR-Brh) Can anyone give me the SP of WMCA, WABC, WPAT, WWDJ, WINS, WHN, WNEW, WHOM & WWRL? (Write to HQ and ask for the Condition of Frequencies-CoF-List. It should answer some of your questions-Brh)

Gregg Allinson - PO Box 95 - Maysville, NC 28555  
Dear friends, since it's been at least 6 mos. since I last appeared in DXF, that I'd let everyone know I'm alive & well living in Carolina Beach, NC. Am currently working at WMFD-630 in Wilmington selling spots & doing the odd air work that comes up. DX is picking up, which is usual for this time of year. Day DX here is incredible w/WBZ, WNBC, WAPE & WROP in thruout entire day. Really like the offset now, although it took awhile to get it where it is today. Anyone needing QSLs from WMFD, WGNI, WHSL or WKLM who haven't been able to get them to respond, let me know. Also, for a bunch of goodies

(CMS, stickers, etc.) write WPTF in Raleigh & tell them you want to join their Roadrunner's Club. SCers write & any other freakos. 73s and Peace. Jim Poterba - 949 Queens Dr. - Yardley, PA 19067  
Greetings! Lately DX has been fair - MM 12/3 was the 1st time since last summer that I actually nailed something good - 3 new ones were added, for the best total in a long time. Hope that rest of season stays this way. TAs have been virtually absent of late, so it seems we may've entered the infamous "anomalic" stage. Thanks to Gene Martin for yet another great article on 'old time' DXing! Veries: WCEF HJKC-850 R. Paradise WWRL WWOL KRVN WKCY WBEU WCIR WHLN WSOQ WBUY KKNY & others. 73

## CENTRAL

EDITOR: JOHN ZONDLO, SHALES HALL, BOX 120,  
MUNCIE, IN 47306

Al Ogrizovich-3836 Sleepy Hollow Ln.-Ft. Wayne,  
IN 46804

Hi Gang! First Za veries. V/1 WDRQ, WXRT, WZUU, WVNO, WBAT & CK, WQMS, WUOM, WAJC, WJBL, WFIN, KWKY, WDBC, WQTE, CKLW-FM, WASK, WMNI. V/q WIFE, WBLY, WKRQ, WPPB. V/f WWWW, WIOT, WNGO. V/r WKUK. V/cm WBEA. All V/s were left out to save space. Most veries were FM and 99% of 'em have AM outlets. Veries here are better on FM than AM. Most of the specials have not verified. All AM's seem to be taking their sweet old time. I still am trying to figure out what they do with the stamps. Send alimony to their wives I presume. The CE's seem to be like a lot of the members. Apathetic! Come on gang, contribute a little to the bulletin. I may say at least the real loyal DXers have been contributing. Enough of that. I finally brought my Allied A-2515 up here. Plus I got Mike Hogan's SM-1 on a deal. Works pretty good except too much bass coming out of the speaker and the thing doesn't null too good on king of the mountain type stations. Best of X gang. 73.

Philip Boersma-15570 Cleveland St.-Spring Lake,  
MI 49456

Hi again. Have just reached 100 stations as of 12/6 w/KGMR 1500. As of 12/11 I stand at 111/8. Veries: v/q WAAX-Michael H. McDonald, WWSW, v/1 EDNT-Hal Whately. Gene Martin's article on old time DX and Bill Hardy's article on DST were both great. Sorry to see rce leave CDXR, as editor. Does anybody know how old WHTC-1450 is? They say 25 years, but I have some sources that say it's older than that. I have written them about this, but received no reply yet. Merry Christmas, Happy DXing in 74, and may you hear a 10 watt station from Outer Mongolia someday!

Gregory Steele-3701-173rd Ct.-Lansing, IL 60438

Hi! I've just joined the IRCA so I'll do my intro. I'm 16 and in the 10th grade. I've been interested in radio since the 4th grade and I'm interested in all phases of it. I started MW DXing about 3 years ago off and on but hope to do more now that I'm in the IRCA. My rx is an NC60. My totals Throughout the years are 30/24 all on the MW's. All letters are welcome. It's great to be a member of a club that has so much support by all its members. 73 & Good DXing!! (Welcome to IRCA Gregory. Good to see another region member!)  
HAVE A HAPPY AND DX-FUL 1974!!!-jz

## WESTERN

Michael G. Worst, 3608 Phinney N., Seattle, WA 98103  
Deadline Wednesdays, more or less

Tom Garcia, Box 15186, Tucson, AZ 85708

Having lots of DX luck at sunrise and for an hour or so after these days. KSCO-1080 Santa Cruz came in like a local for several hours this AM after local SR. More listening hours now for KSL, as I like to keep up with the goings on in Utah. Merry Christmas to all and esp. my various "tape pals" met thru IRCA and our common interests in radio. Can anyone sell, loan, or trade me a copy of the Martin Block eulogy program broadcast on WOR a few years ago? Would also very much appreciate access to any tape of one of his WNEW or WOR music shows. (All logs show KSCO to be in Santa Cruz, Tom. mw)  
Bruce Portzer, 14056 5th Ave. S., Seattle, WA 98168  
Some quick calculations reveal that eliminating all AM & FM Bcing from 12 to 5 am would save 4-8 million kilowatt-hrs per month. In contrast, Boeing cut its monthly consumption by 12 million kwh by reducing lighting, etc.,

CONTINUED ON PAGE 12





**DXWW**

7

DECEMBER 29, 1973

Ron Schatz \$ Box 592814 AMF \$ Miami, FL 33159  
AC305-945-4915 Sundays \$ Deadline: Mondays

It's another tiggie this week, with enough Venezuelan reports for a separate Roundup, which I will do. \$ Note that the deadline is now Mondays, this to fit my personal schedule, and I seldom receive anything at the box on Tuesdays anyway, so it's no great sacrifice. \$ For those who are asking, Father Jack Pejza will continue to handle future IRCA Foreign Logs. \$ Accurate Mexican info, and the source of past IRCA XE lists, has been gleaned from a publication called Medios Publicitarios Mexicanos, put out by the SRDS "Spot Radio" people in Skokie, IL. It's a quarterly issue at some \$25 a year. If you have access to the MPM list, please volunteer to compile a new Mexican frequency list for the club. as curs is quite outdated. \*GLENN HAUSER IS PREPARING

A NEW ONE, FJP.

A prosperous New Year from our contributors this week  
Jim BOYD; Tulsa, OK (Realistic TRF, IRCA loop)  
Brian CARTWRIGHT; Johnstown, PA (Ch. Master 6436-A)  
Richard EGGMAN; Philadelphia, PA (Grundig "Satellit")  
Angel GARCIA; Flushing, NY (HQ-180A, SM-1)  
Ken HORNE; Vancouver, BC (Receiver please?)  
Charley KELLEHER; Fort Wayne, IN (Barlow's XCR-30)  
Albert LOBEL; El Cajon, CA (DX-150A, IRCA loop)  
Gene MARTIN; Denver, CO (HQ-140XA)  
Rich MAYHEW; Valleyfield, PQ (Sears portable, LW's)  
Randy MINNEHAN; Columbus, OH (DX-150A, 2.5' DCL loop)  
Paul MOUNT; Teaneck, NJ (Panasonic R-1551)  
Jon PEARKINS; Burnaby, BC (HA-230, SM-2)  
Art PETERSON; San Pablo, CA (HQ-180, SM-1)  
Bruce PORTZER; Seattle, WA (NC-120/183 hybrid, SM-2)  
Bill RACZKO; Swanton, OH (Laf. KT-340, 50' LW)  
Ralph SANSERINO; Huntington Beach, CA (BC-946 & 453)  
Ron SCHATZ; No. Miami Beach, FL (R-388/URR, MPA-1)  
Randy SEAVER; San Diego, CA (HQ-180, Sanserino loop)  
Elliot STRAUSS; Bradley Beach, NJ (R-390A/URR)  
Tom SUNDSTROM; Willingboro, NJ (HQ-150, SM-2)

Now for Act One:

Special Venezuelan ER Roundup

Gene Martin (Denver) recalls the past three YV election return MM's:

"12/2/63: 11 YV's heard & taped in Cleveland on my old 7-tube Norelco AM&FM operating from 60' LW. Also heard KPOA-650 Honolulu that morning & Surinam on my HQ-140XA operating from about 20' of hookup wire inside the room. \$ 12/10/73: YV ER noted on 670, 720, 1080, possibly 600. Really didn't make much of an effort to hear them this time, but failed to run across any others, & I was left with the impression this election didn't get the extensive coverage that the YV's have given it in the past."

I would say that the same coverage existed, but today's crowded band hides a few (RFS)

26 items, entitled by "estado", from Boyd (OK), Cartwright (PA), Garcia (NYC), Portzer (Seattle), Seaver (S. Dgo), & Sundstrom (Phila.):

- 570 ARAGUA, Villa de Cura, YVLX, R. Rumbos fair to good thru WKBN OC, quite fadey. Frequent ID's Radio Rumbos. Weaker than I would expect w/ 200 kw. // 9660 (Cartwright)
- 600 SUCRE, Cumaná, YVQB, R. Sucre, poor thru CMKV 0710, steady signal, poor readability, but got an ID thru (Cartwright)
- 640 ANZOATEGUI, Puerto La Cruz, YVQO, Ondas Portenas, good & steady o/u/CMQ 0715 (Cartwright) \$ In the null of CMQ 0710 (Garcia)
- 650 ARAGUA, Maracay, YVLH, R. Girardot, dynamite signal w/SS & EE mx & YL ancr 0726 (Garcia)
- 670 DPTO. LIBERTADOR, Caracas, YVLL, R. Rumbos Fair thru the Cuban 0710. This station was the feeder for many of the stations carrying ER's (Garcia) \$ Good in/out of CMKP 0720, then up to dominate freq 0725 w/rock-hard signal, // 570 & 9660 (Cartwright)
- 680 SUCRE, Cumaná, YVQR, R. Cumaná taped w/a good signal 0613. Don't recall ever having seen this one reported before (Garcia)/(Garcia)
- 690 LARA, Barquisimeto, YVMR, full ID at 0729.

- 740 ZULIA, Maracaibo, YVNC, R. Maracaibo, good ID 0703 (Garcia) \$ Good 0750 w/no QRM. Try for this around after 0900 regularly. It seems to get out well to here (Cartwright)
  - 810 CARABOBO, Valencia, YVLP, R. 8-10 bothered by WGY testing MM, missed taping "ocho-diez informa" ID at 0645 (Garcia)
  - 820 BOLIVAR, Upata, YVSH, R. Guayana assumed to be the station heard at 0812. Will have to check tape again for possible ID (Garcia)
  - 830 MIRANDA, Los Teques, YVLT, R. Sensación, poor ID u/WCCO at 0747 (Garcia) \$ E. Strauss!! (RFS)
  - 940 FALCON, Punto Fijo, YVNN, R. Punto Fijo w/usual chimes, ID's 0620 (Garcia)
  - 1020 ZULIA, Maracaibo, YVMX, R. Calendario, hard to read thru some CFRB slop, but the Calendario ID's stuck out well. Traces behind it of what could have been R. Margarita 0755 (Cartwright)
  - .... NUEVA ESPARTA, La Asunción, YVRS, R. Margarita strong w/full ID at 0624 (Garcia) /(Garcia)
  - 1070 DPTO. VARGAS, La Guaira, YVMA, Em. Vargas tentatively the YV 0638; the coverage on this station referred to "departamento Vargas".
  - 1080 ANZOATEGUI, Barcelona, YVQJ, R. Barcelona 0955 good way o/WTIC, frequent ID's. Best of any YV's this MM (Cartwright) \$ R. Barcelona ID heard & mentions of town of Barcelona & Puerto La Cruz 0719 (Boyd)
  - 1110? SUCRE, Carúpano, YVQT, R. Carúpano (tent) UnID Too much WBT QRM (Garcia) This is it, Angel; YVXR is listed on 1120 kHz (RFS)
  - 1190 BARINAS, Barinas, YVRE, R. Barinas ID taped at 0739. This one was very difficult due to WOWO testing (Garcia)
  - 1211<sup>v</sup> FALCON, Coro, YVMN, R. Coro w/super signal 0600+ w/clear ID 0655 o/hets from signals on 1210 & 1212 (probably Pereira & Cúcuta), latter could not be cleared up enough for +tive ID's thru splay YVMN. Lots of pop mx, anmts. New (Sundstrom) \$ R. Coro ID 12/3 1027 clearing up this question mark in my log. Logged 15 minutes of pggm 1019-34, ad (?) at 1019 for "Ambala" (what's that?) (\$ Not listed in Williams' dictionary, nor in the ARC's Latin American Commercials -RFS) Ad for pres. election also at 1044. Sure would be easier to ID these if I had some SS! KZOO in JJ on 1210 separable. This was the only YV heard 12/10, but no ER. Often readable beside KGYN in evés (Seaver) \$ ID'ing as "RC" at C604
  - ....? ID'ed as "la operación doce-diez" also (Garcia)
  - ....? UnID. Venezuela apparently the location of SS here 0908 w/ER. 2' listed. Anyone else hear it?(Portzer) Good question! (RFS)
- Add "Heard on 12/10 w/ER's" for all the above.
- The YV state of "Anzoátegui", pronounced "ahn-so-ah-teh-ghee" is a tongue twister even for many Latins! E.G., "Anzoátegui time we're having".
- Trans-Pacific DX Rundup
- 14 items from Horne (Vanc.), Lobel (S. Dgo), G. Martin (Denver), Peterson (SFO), Portzer (Seattle), Sanserino (Ornge Cnty), & Seaver (S. Dgo). Malaysia widely heard:
- 695 KOREA-N, Chongjin, 1240 12/10 YL KK, noise, poor. XETRA-690 off (Sanserino)
  - 750 JAPAN, Sapporo, JOIB, 1359 12/12. YL w/ID, IS, poor. KXL s/on killed pips (Sanserino)
  - 830 JAPAN, Osaka, JOBB very good 12/8 1229. OM in JJ talking. Also heard at 1235 w/ID as "Nippon Hoso Kyokai". WCCO QRM (Lobel)
  - 835 CHINA, Nanching, 1415 12/12 just a het this AM, condx poor (Sanserino)
  - 840? UnID looping TP/LA was heard w/chimes 0957 12/10. Chimes were repeated several times & then nothing more. No ID that I could hear. Never heard chimes like this. QRM de WHAS et al & static (Peterson) Art's symbols seem to indicate something similar to the first 5 notes beginning the song "Vaye con Dios". Nothing familiar on this coast; I assume a TP.
  - 844<sup>c</sup> GILBERT & ELLICE, Tarawa, VSZ1 good but fadey w/YL in vernacular 0935 12/10. Was playing calypso mx when I first tuned in. Almost that I had St. Lucia on 840 'til I figured out which freq I was on, hi (Portzer)
  - 860? UnID w/free form jazz 0940 12/10 weakly o/u LPRT OC's. Suspect LYC due to format & presence of VSZ1 at same time. Local KTAC-850 noted off for first time in ages (Portzer)

1134<sup>?</sup> UnID weak 12/10 1020 on, separable from SS on 1135 (TGVR?). Approx. 1200 Hz between the 2. Every time I've heard this it had sounded semi Western w/light mx & relaxed ancer in JJ or KK. Has anybody +tively made this to be RSFSR?? In 5/23/73 & 5/2/73 IDXD (NRC's -RFS) Bundy on Truk ID'ed station 1133-37 as a clandestine North Korean //4562 kHz (Seaver)

1178<sup>q</sup> RYUKYU IS, Okinawa, VOA. Very prompt reply of one week for 12/3 reception - during Xmas mail time! Re-verified for change from US to Japan control. V/s: Monica Vall (Peterson)

1260 JAPAN, Sendai, JOIR a pest all morning 12/10 w/JJ talk & MoR, thus ruining any hope for some good domestic DX (Portzer)

1475<sup>8</sup> MALAYSIA, Sabah, Kota Kinabalu, At 1055 12/8. Better than last report of 12/3, almost an armchair copy. In xlt w/15-note chimes 5 minutes before s/on. Pips (all 6) heard at 1130. Seems like this is going to be a fairly regular station each AM at least thru the next few months (Lobel) § On 12/10 this had OC on by 1040, chimes to 1059, man on exactly at 1100 in unk lgg, several mentions of Malaysia, freq announced phonetically "sah uppa seka nume kilohertz" & into a pgm about Mahatma Gandhi which lasted to 1115 (Perhaps special for Human Rights Day). Then light classical mx to 1129. Talk at 1129:30, 6 pips (no chimes) then newx to 1157 w/items on Vietnam/Cambodia war & Israeli/Arab conflict. At 1157:30 lgg sounded like EE but unreadable, then short uptempo mx & s/off ancmnt (faded-unreadable) then anthem at 1200 & carrier off. The pgmg the first half hour was different than heard before. Signal S-7 to 8 at best w/15-30 second fades every 5-8 minutes. This station must be 100-250 kw & should be audible all year. There should be little or no auroral-induced absorption on this since the path to SD reaches only to 45-50° N latitude south of the Aleutians. Sure wish I could get a +tive ID!! (Seaver) § 1150 12/10 OM lgg, big carrier. The usual big fade for s/off ID & NA. Still trying for ID (Sanserino) § ?? Carrier found here 12/10 at 1049, not there half an hour before. Faint audio but too much buried in the noise to acquire definition. Loop bearing NW by W, & if a TP this means south of Okinawa & Japan but north of Tarawa. Don't know if the Haitian here is on the air at that hour, but have never heard it, & this logging would be south of Haiti while N'ward from a Central American. Taping across 1100 & 1200 produced no ID earmarks of any kind, too much noise & crosstalk. But will keep trying for the Malaysian here (Martin) No, "V. People" doesn't s/on till 1400 or so. Methinks Sabah (RFS)

Here's 2 I blew:

690 HAWAII, Honolulu, KKUA heard 1200 w/R&R mx w/XETRA nulled (Horne)

770 AUSTRALIA, Melbourne, 3LO w/def. ID at s/off 1302 following news at 1255. Played GSQ at 1302. Good signal w/KOB nulled but at times 3LO was dominant on the freq (Horne)

#### Trans-Atlantic DX Roundup

8 items from Eckman (Phila), G. Martin (Denver), & Minnehan (OH):

527 SWITZERLAND, Beromünster noted at 0525 12/3. Good w/nx in GG & ID at 0530. Moderate amount of fading; all alone way down here (Minnehan)

629 NORWAY, Vigra, a real surprise & a new addition to my countries' list, no. 40. Noted 12/3 at 0625 fairly w/deep fades playing MoR light instr. mx At 0630 OM gave ID, & continued talking in Norwegian, w/(presumed) news. Norwegian isn't too difficult to follow due to its high content of GG words; Norwegian sounds basically like a cross between GG & EE. Tune out at 0640, & signal strength wasn't any weaker ... I wonder how long I could have held on before SR? (Minnehan) Norwegian, to me, sounds like Swedish without its sing-song intonation (RFS)

647 ENGLAND, Daventry, BBC 0610 noted w/big band instr. mx, + a few ID's, TC's & temp. checks mixed in, 12/3 (Minnehan)

656 SP. SAHARA, El Aaiún not observed here in 0600-0700 period since about 11/25. Never caught an ID but did note the use of 7-8 chimes in apparent news pd., 0702 11/15. Chimes run 5 seconds on ascending scale (Martin)

665 PORTUGAL, Lisboa noted at 0645 w/OM speaking FP. Full ID at 0700 along w/pips. Good 12/3 (Minnehan)

8 764 SENEGAL, Dakar, good audio 12/3 w/AA chanting mixed in w/instr. mx at 0605. Many fades.

1554 FRANCE, Nice, ORTF w/FF talk & mx. Noted after CBE s/off 0610 12/9. Still there at 0700 recheck (Eckman) / (Eckman):

1586 GERMANY, Langenberg, WDR w/GG at 0450 12/9. At 0500 5 pips (5th was longer than other 4) then ID. Also at 0655, GG OM w/numbers (frequencies?) & 6 pips & ID (same as 0500). Still there at 0720. Good-xint signal strength. Should be a pretty easy catch for ECNA DX'ers

#### Pan-American DX Roundup

52 items from 15 contributors:

535 GRENADA 2359 "You are listening to Radio Grenada", TC, poor level 11/30 (Strauss) + :

550 JAMAICA, Montego Bay, RJR 2305 news in progress, ID's, ads, commentary 12/5, good signal.

570 CUBA, Santa Clara, CMHI, R. Rebelde 12/5. Is this still the listed Sta. Clara? Heard 2356 -59 w/SS calypso-like mx thru some talking, then at 0000 heard ID "Esta es Radio Rebelde Cadena Nacional, desde la Habana, Cuba .. territorio libre en América ..." This would seem to indicate a move, but it might have been a network ID from HQ. I don't know how they run it (Cartwright)

Break: Cuban network stations, like CMHI above, never programme locally nor carry local ID's; they are merely "repeaters". Even a station in Santiago de Cuba will ID "desde la Habana" .. if it's a national chain station.

595<sup>q</sup> DOMINICA, Radio Dominica in 11 days w/personal letter from Jeff Charles, Manager (Strauss)

600 CUBA, San Germán, CMKV, battling semi-nulled WIOC. Fair signal, // CMW 12/13 0345-49 (Mount)

605 GUATEMALA, Pueblo Nuevo heard w/fair signal 11/4 0723. ID seemed to say R. Contadina; is this correct? (Raczko) Hauser, in 11/10 DXWW, lists this as R. Campesina in Tiquisate, TGRC. I've heard it thru local WIOD w/the cardioid - good signal - but no time to wait for the ID.

620 CUBA, Baracoa, CMKF, R. Rebelde heard w/fine signal 11/12 0647. Hard to believe these Cubans are only using 1000 watts (Raczko)

625 COSTA RICA, San José weak but readable 12/10 0413. One "Omega" heard before 500-700 Hz het messed it up. Is this the 10-kw Peruvian listed in WRTH? (Seaver) Very likely; I've been after this one 2 (RFS)

640<sup>c</sup> CUBA, Habana, CMQ weak u/KFI w/chimes & LV de Cuba ID 0900 12/10 (Portzer) / (Schatz):

642<sup>v</sup> CUBA, Habana, CMQ noted here for a 1-night stand eve of 12/12 LT - after resetting my car radio push-button that afternoon, hi. This was my first experience w/a drifting local, & it can make you think your RX needs alignment.

650<sup>?</sup> UnID LA 12/12 0553-0600 apparent s/off u/WSM. Possible "R. Libertad" ID & some letters (3 or 4) ending in "H-F" (Seaver) Several possibilities - so soddy (RFS)

655 EL SALVADOR, San Salvador, YSS s/off 0445 12/15: The hymn in its entirety does NOT sound like the William Tell Overture, only the introductory passage which is repeated at intervals. The rest of the hymn, sung by YL's, sounds rather nice but not at all like the Lone Ranger (Keleher) The main part of the NA is very slow & heavy:

Himno nacional de la República de El Salvador:  
 "Saludemos - la Patria orgullosos  
 De hijos suyos - podernos llamar,  
 Y juremos - la vida animosa  
 Sin descanso, a - su bien consagrar.

720 COLOMBIA, Barranquilla, HJAN L&C w/news at 2355. Chimes between items 12/6 (Strauss)

735 ECUADOR, Quito, HCGBl, "R. Melodia" noted w/Beatles selection & echo chamber ancmnts 12/10 0525 (García)

742 CUBA, Pinar del Río, CMAQ, R. Liberación 12/5 noted poor 1913 w/mx & SS thru CMJL & CBL, throwing their het on the freq (Cartwright)

750<sup>?</sup> UnID noted w/EE nxcast w/weird accent 0944 12/10. Faded & lost around 0947. Jamaica a possibility, tho I suppose it could have been just about anyone - even WSB (Portzer)



- 785<sup>4</sup> UnID LA at 2325 w/SS OM talk, LA mx, heavy QRM. Heard "Fabulosa" mentioned, but no ID. 2330 - "programa campesino". Is R. Fabulosa, Guat. currently on 785? 12/5 (Strauss) Dunno (RFS) § A new Rebelde (Cuba) outlet here? Fantastic signal 12/5 evening & several times since (Raczko) Just tried for it 12/18 - nada (RFS)
- 790 CUBA, Habana, CMCH, R. Cadena Habana 12/5 noted 1923 good o/WIAR w/OM making some sort of address. First time noted in several months. Slight fading & CKLW sloop in around 1925 (Cartwright) Seldom reported (RFS)
- 800 NED. ANTILLEN, Bonaire, PJB in poorly thru looped CJAD-CKLW QRM w/full ID in EE, then rel pgm 0330 12/3 (Mayhew)
- 810 PUERTO RICO, San Juan, WKVM s/off w/instr. NA 12/10 0458 (García)
- 820 COLOMBIA, Cali, HJED, La Voz del Río Cauca, still amazes me w/its incredible signal; full ID & address at 0429 12/10 (García) § Assumed the one in SS giving WBAF a good fight 0557 12/15 (Keleher) § Good signal o/u/WBAF w/mentions of Cali in a spot, then into what sounded like sports pgm 0040 11/27. Auroral conditions (Mayhew)
- 834 BELIZE, in xlint w/ID "Radio Belize" & TC in EE 0230 11/27, then R&R mx. Auroral cx (Mayhew)
- 860 DOMINICAN REP., Santo Domingo, HLLR, R. Clarin w/very good signal 11/4 0705 (Raczko)/(García):
- 920 COLOMBIA, Cartagena, HJAF, Em. Fuentes presumed the station w/Todelar ID's at 0433 12/10. UnID noted here 0034, just talk for about 2 minutes, then into slow SS vocals. Not noticed on replay of tape, but there def. was a mention of "Radio ... Nacional" about 0042, also it sounded more like "cadena" than "música". Looped 160-170. Any ideas? (Cartwright) Sure not CMKH; R. Musical Nac. is all classical mx (RFS) / (Raczko):
- 940 COLOMBIA, Cali, HJGB, R. Eco heard 11/12 0614
- 1005 COLOMBIA, Neiva, HJDP, R. Colosal in AN 11/12 Fair signal, good at tx (Raczko) / (García):
- 1010 MEXICO, Guadalajara, XEHL tentatively the station heard w/"La música de pegue ..." & "la onda diez-diez". The reference to "pegue" seems to be part of their slogan, & the IRCA log would seem to indicate that this is they.
- 1012<sup>2</sup> UnID noted 12/7 w/pip noticed high side of WINS-CFRB, but abruptly lost 0150 w/carrier dropping off air. Later noted 0300-0403 but too weak to get low audio except in patches. Carrier difficult to keep on air apparently as abruptly lost for 30 seconds at a time 0332, 0357. Apparently went off air for good 0403. Much weaker than YSC-1015. Noticed HJDP-1005 was not present; could it be they? (Sundstrom) This is the normal stomping grounds of CMKM in Holguín - classical mx (RFS)
- 1015 EL SALVADOR, San Salvador, YSC. Settled back to listen to KDKA w/Penguin hockey. Heard splatter, tuned a bit, & in they came. Light SS pops w/R. Internacional ID's after each 0440 12/8 (Keleher)
- 1030 MEXICO, D.F., XEQR good-xlint signals w/mentions of México. R. Centro ID 0730 11/26. WBZ off (Mayhew)
- 1035<sup>9</sup> HAITI, Cap-Haitien, 4VEC was the station reported here in the 12/8 issue. ID, however, was given as 4VEH, Evangelistic Voice of Haiti. Per verie, active frequencies now are 4VEC-1035 4VEF-830 (\$ Now 840 \$ -RFS), 4VE-6120, 4VEH-9770, & 4VEJ-11835. 15280 & 2450 apparently cancelled. Correct Vane Jones & '73 WRTH u/Haiti. Airmail address is Box 90-B, Port-au-Prince, Haiti, W.I. They definitely want 3 IRC's for airmail reply (Keleher)
- 1040 COLOMBIA, Bogotá, HJCJ 12/9 0805-25 at which time WHO TT became overpowering. HJCJ was so strong at first that WHO TT could barely be heard. ID as Radio Tupay (like that worn by bald people w/the accent on the other syllable) at 0821 w/weak SS underneath. Looped to just S of SE. However, ID at 0807 in superb strength & readability was "Radio Pacifico" (or possibly Pacifica)! Am quite sure that I was monitoring the same signal for both ID's. Bogotá is a way inland to be ID'ing as "pacific Radio". Maybe they mean "calm radio" or "non-politically active radio". (Pearkins) The ID is R. Súper, pronounced something like "SOO-pair". Dunno about "Pacifico" (RFS)
- 1070 COLOMBIA, Barranquilla, HJAH, Em. Atlántico, strong on the low side of 1070 w/ID & usual

9

- HJ mx 12/10 0545 (García)
- 1100 ANTIGUA, St. John's, ZDK 12/7 w/series of ads 0135+, including ones for a local liqueur store & a hotel, w/xlint signal o/WWWE. Like that accent! (Sundstrom)
- 1130<sup>?</sup> UnID 12/10 0647 w/US R&R mx & an ID as "La Nueva ...". Faded quickly u/domestics. Who? (Boyd) Sounds Mexican (RFS)
- 1150 MEXICO, 12/10 0708 w/typical mx & list of stns. including XERM-1150. Is this the only one possible? (Boyd) No, also XEJP "Variedades" (RFS)
- 1170<sup>?</sup> UnID MM 12/3 0757-0803 volume pretty fair & the lgg sounded PP to me, all talk, & thot I caught the word "Brasil" at one time, soon faded away, during the first honest-to-God SP on KVOC in years & years. Sent the tape to Godwin who counted a couple of Brasils in the taping & also thot the lgg is PP & was sure it wasn't SS. Since all 1170 Brasilians are rather low powered, is there maybe something new here? (Martin) I had a mystery here back in 63/64. I'd sure like to hear that tape! (RFS)
- 1180 BRASIL, Rio, PRE3, Rádio Globo w/xlint signal 11/4 AN. Played many Brazilian records, & almost as many US R&R semi-oldies. I assume "Bridge over troubled water" is no. 1 in Rio hi (Raczko)
- .... DOMINICAN REP., Santo Domingo, HIBE, R. Mil ID heard 0015 11/27 w/SS talk & Latin mx. Xlint local-like signal 0024-28. Good on WHAM fades, mixing o/WHAM other times. Auroral cx. UnID 3rd station underneath; who? (Mayhew) Dunno
- 1200 VENEZUELA, Caracas, YVOZ, SS talk at 2315 12/8. Believe that ID was R. Tiempo at 2320 (Eckman)
- 1265 ST. KITTS, R. Paradise w/good signals 0050 12/9. Sermons from various US Baptist groups. Do they verie? (Keleher) Yes - but slow (RFS) § Finally heard here w/full ID & TC in EE 0245 11/27, then rel pgm. Auroral cx (Mayhew)
- 1520 COLOMBIA, Barranquilla, R. Minuto heard 12/10 0948-1000, 1029-32, lively mx, 2 chimes & ID by YL after nx at 1031. Still 1 kw? (Seaver)
- 1525<sup>?</sup> UnID carrier on NW-SE bearing found here right after 1000 12/10, but no audio ever developed in next 45 minutes. Have heard TIEEAW here in the past, but am unsure whether it's an AN'er or whether it runs an OC only at this hour, or whether it leaves the air. I invite comment from DXWW editor (Martin) Comment: TIEEAW is the only thing on the freq here. And the R. Columbia net tends to run on extended schedules these days (RFS)
- 1570 MEXICO, Cd. Acuña, Coah., XERF xlint w/C&W mx. ID in EE spot 0658 11/23. Full ID, EE & SS 0700 11/23, then EE rel pgm. Pest CKLM off leaving XERF & CHLO (Mayhew)
- 1580<sup>?</sup> MEXICO unID apparent s/on ancmt 12/10 1125. Calls were XEACH (C may be different), R. Mexicana (big help). Fairly clear "mil quinientos noventa kilohertz" (\$ 1590 kHz! -RFS \$) & 1000 watts, but no city or state was decipherable. Any info, RFS? (Seaver) This one's new in Montgrey, N.L. But which freq is the correct one? (RFS)
- 1595 NICARAGUA, Chinandega YNKS presumably here 12/3 1120-25. Mention of Chinandega in ad at 1125. OC was on at 1102. No +tive ID yet (Seaver)

A few words before I close: First, note my new phone-in schedule: You can reach me at AC305-945-4915 generally Saturdays 1700-2200 or Sundays 1200-2200, but not other times, for I either won't be home or it'll be too late not to disturb the rest of my family. Afternoon business phone is AC305-446-5346 (Lytle & Schatz). My schedule remains tight, as per my last DX Forum report, but I can still handle DXWW.

The support & coöperation I'm getting as DXWW editor has been overwhelming; I have index cards on over 50 IRC'A'ns after a relatively short time, & most are going out of their way to make my job here easier. Also, I cannot possibly respond properly to the mass of Xmas cards I have just received - kindness is cruel, hi. Gracias, Danke, Obrigado, Merci, Arigato, Sposibo, Grazie, etc.

May 1974 be for you a year of accomplishments, joy, divine answers, security, and inner peace.

# Chuck Cecil has The Swinging Years. Including 1973.



**KGIL radio 1260**  
7-midnight Saturday  
3-8:30 pm Sunday

## Tidings Beamed From North Pole (Alaska)

BY CHARLES HILLINGER  
Times Staff Writer

Christmas greetings are being broadcast today to all people dwelling on the frozen roof of the world.

The holiday tidings are going out over the airways in the languages of the Far North from KJNP—Alaska's most powerful radio station—located in North Pole, Alaska.

KJNP stands for King Jesus North Pole.

The greetings are beamed in Russian, Finnish, Swedish, Norwegian, Eskimo, Athabaskan Indian and English.

KJNP is a 50,000-watt, 24-hour

gospel station at North Pole, a town of 300 located 20 miles east of Fairbanks.

"For years the North Pole has been best known for Santa Claus," said the Rev. Don Nelson, 50, founder-director of KJNP.

"We're taking back some of the territory, Hallelujah!"

Mr. Nelson is an independent Pentecostal minister from Minneapolis who moved to the Far North 18 years ago.

He operated a bush pilot ministry based in Stevens Village, an Indian settlement of 85 above the Arctic Circle, from 1956 to 1967.

"I was more bush than pilot,"

chuckled Mr. Nelson, who flew a tiny plane to scores of isolated Indian and Eskimo villages.

He and his wife, Gen, conducted religious services, hauled supplies, flew out the sick and searched for downed planes.

He still flies bush pilot missions but devotes most of his time to his radio station.

He launched a 10,000-watt station here in August, 1967, as a way of "getting Christ to the people in Alaska's frozen outback."

On Christmas Day, 1970, the station upped its wattage to 50,000, making it the most powerful station

Please Turn to Page 2, Col. 1



STATION BRRR—KJNP owner Don Nelson holds antenna in Ft. Yukon before flight to remote village. (U Wirephoto)

In Alaska.

Mr. Nelson broadcasts messages for a number of different denominations on the station—including Roman Catholic and Mormon.

The 24-hour-a-day programming is heavy on news, sports and weather.

"Our aim is for our listeners to get plugged in with God when they listen to King Jesus North Pole," said Mr. Nelson.

"But we mix up our programming to give the station a good balance. It isn't all preaching and hymns."

Each day there are two hours of Russian language programs.

Many Eskimos still speak Russian, a carryover of Alaska's heritage as a Russian colony from 1741 to 1867.

But Mr. Nelson admits that the Russian language programs are meant for listeners in the Soviet Union as much as Russian-speaking Alaskans.

"We know our station is picked up throughout most of the Soviet Union," said the minister.

"KJNP is a prime link to the Christian world for the underground church in Russia."

Mr. Nelson's efforts to bring Christianity to the Russians has taken other paths than the airways.

A year ago, the stocky, balding preacher chartered an aging cargo plane, filling it with 160,000 religious tracts printed in Russian.

The gospels of John, Matthew, Luke and Mark were placed in watertight plastic tubes, Mr. Nelson said.

"Seven staff members of KJNP and I flew with two pilots to Gambell on St. Lawrence Island," he said. "We lowered the plane as though to land at Gambell but continued on instead, leveling off a few feet off the top of the Bering Sea. "We flew north below radar cover for an hour and 10 minutes until we were 20 miles off Russia's Chukotsk Peninsula. Then we pushed the plastic tubes with the gospels into the sea."

Mr. Nelson said he is aware the Siberian coast where the tracts were dropped is sparsely populated, "but Lord willing, the gospels got into the hands of members of the underground church."

WIND's Ed Schwartz, holding microphone, was joined by Jack Mabley in the Civic Center Plaza last night while broadcasting a Christmas gift drive for the Forgotten Children. National Tea Co. truck was filled with presents during show.

CHICAGO TODAY Photo

## Elmhurst OKs 1st AM radio station for Du Page County

Du Page County's first AM radio station was approved Monday by the Elmhurst City Council.

The council voted 9 to 4 to grant the Du Page County Broadcasting Co. a special-use permit to construct two 160-foot radio transmission towers on the grounds of American Legion Post 187, Butterfield and Spring Roads, Elmhurst.

Council members who voted against the special use permit were Arnold Makela, Glenn Ryburn, Doris Kahler, and Frank Gaudio.

The Federal Communications Commission, (FCC) has given Du Page Broadcasting tentative permission to operate a radio station and has assigned the station the call letters WHJJ.

Once construction is completed, the FCC will give the firm final approval for licensing the station, FCC officials have said.

Residents from the Atrium subdivision, a multifamily development adjacent to the Legion property, complained to the council Monday that the radio station would decrease real estate values and damage the esthetic appeal of Atrium.

However, Robert Haehl, executive manager of the Elmhurst Chamber of Commerce, commended the plan for the radio station.

Haehl complained of poor communications from the various media in the Chicago suburbs. Du Page County residents know more about Cook County and its government than they know about their own county and local governments, Haehl said.

CHICAGO DAILY NEWS, Wednesday, Dec. 19, 1973



MIKE LEVINTOW, NRC

DECEMBER 29, 1973

11

DX'ERS WHO ARE FAMILIAR WITH THE WORCESTER SM-1 ANTENNA MAY HAVE EXPERIENCED HIGHLY SKEWED OR SHALLOW NULLS, AND NULLING PATTERNS WHICH VARY DEPENDING ON THE EXACT LOCATION IN THE HOUSE THE ANTENNA AND RECEIVER ARE SET UP. THE SM-1'S RELATIVELY SMALL MAGNETIC FIELD, IN COMPARISON WITH, SAY, A 4 FOOT BOX LOOP, MAKE THE ANTENNA HIGHLY SUSCEPTIBLE TO SKEWING FROM THE PLACEMENT OF LARGE METALLIC OBJECTS, ELECTRICAL WIRING, ETC., IN THE VICINITY OF THE LOOP. SUCH SKEWING EFFECTS MAY BE AT TIMES DESIRED BY THE DX'ER. IN PARTICULAR, A SKEWED LOOP RECEIVING PATTERN WITH A LOBE DIRECTLY OPPOSITE A NULL WILL PERMIT RECEPTION IMPOSSIBLE WITH A "NORMAL" LOOP. IN FIGURE 1, STATION X, A LOCAL, IS NULLED OUT BY A NORMAL LOOP WITH A FIGURE-8 RECEIVING PATTERN. SINCE STATION X AND Y ARE COLLINEAR WITH RESPECT TO THE DX'ER'S LOCATION, RECEPTION OF STATION Y WOULD BE DIFFICULT OR IMPOSSIBLE--PARTICULARLY DIFFICULT IF STATION Y IS WITHIN GROUNDWAVE RECEIVING DISTANCE ONLY. IN FIGURE 2, STATION X IS NULLED OUT WITH A LOOP HAVING THE SKEWED PATTERN SHOWN. THE PATTERN NULLS TOWARD STATION X BUT HAS A LOBE TOWARD STATION Y, PERMITTING Y'S RECEPTION.

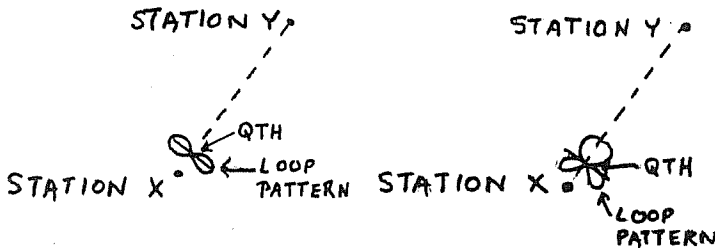


FIGURE 1

FIGURE 2

IS THERE SOME SIMPLE METHOD OF CREATING THESE ASYMMETRICAL PATTERNS WITH THE SM-1 WITHOUT COMPLEX ADDITIONAL EQUIPMENT? FORTUNATELY, THE DX'ER WHO HAS A SECOND ANTENNA--HIS OLD AIR-CORE LOOP--HAS ALL THE EQUIPMENT NECESSARY. THE TECHNIQUE IS TO PLACE THE BOX LOOP NEAR THE SM-1--ROUGHLY 1 TO 3 FEET AWAY, DEPENDING ON THE SIZE OF THE BOX LOOP--AND INFLUENCE THE SM-1'S FIELD BY TUNING THE BOX LOOP. BEST RESULTS HAVE BEEN OBTAINED BY PLACING THE LOOPS SO THAT THEIR AXES FORM AN ANGLE IN THE 60-90 DEGREE RANGE. (FIGURE 3). THE BOX LOOP IS NOT CONNECTED TO THE RECEIVER (THE SM-1 IS CONNECTED, OF COURSE). ALSO, BEST RESULTS HAVE BEEN OBTAINED WITH THE BOX LOOP'S PREAMP TURNED OFF.

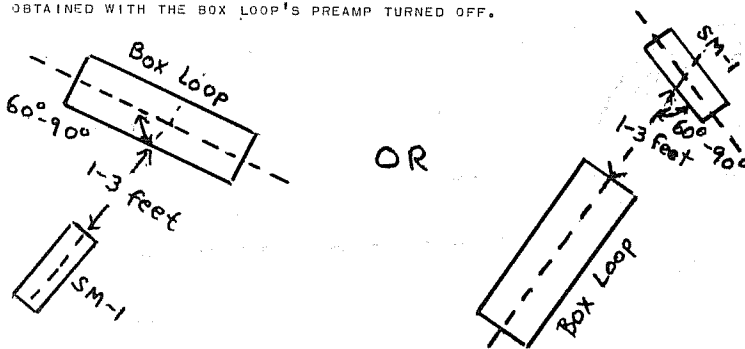


FIGURE 3. RELATIVE POSITIONS OF SM-1 AND BOX LOOP

**NULLING TECHNIQUE:** TUNE IN A STATION WITH THE SM-1 ONLY, WHICH YOU WANT TO ELIMINATE. THEN PLACE THE BOX LOOP IN A DESIRED POSITION AND TRY PEAKING THE STATION'S SIGNAL BY TUNING THE BOX LOOP'S TUNING CAPACITOR. THERE SHOULD BE A SHARP PEAKING POINT AS MEASURED BY THE RECEIVER S-METER.

THEN TRY ROTATING THE BOX LOOP. IF THIS DOES NOT WORK, TRY ROTATING THE SM-1 TO VARIOUS POSITIONS TO FIND THE BEST NULLING COMBINATION OF THE TWO LOOPS. IT MAY BE NECESSARY FOR SOME SM-1 SETTINGS TO REPEAK THE SIGNAL BY RETUNING THE BOX LOOP IN ORDER TO FIND A NULL WITH MINIMUM LOSS OF SENSITIVITY. A NEW SET OF PATTERNS CAN BE PRODUCED BY MOVING THE BASE OF THE BOX LOOP WITH RESPECT TO THE SM-1.

DEPENDING ON THE RELATIVE POSITIONS OF THE TWO LOOPS AND THE BOX LOOP'S TUNING, THE SM-1'S PATTERN CAN BE VARIED FROM A NEARLY SYMMETRICAL FIGURE-8 TO COMPLEX ASYMMETRICAL PATTERNS WITH MULTIPLE LOBES AND NULLS. THE GREAT ADVANTAGE OF THE VARYING NULL POSITIONS ON A CROWDED FREQUENCY SHOULD BE APPARENT.

**THEORY:** THE 2 LOOPS, ELECTRONICALLY SPEAKING, ACT LIKE TWO TRANSFORMERS AND THIS COUPLING IS PRESENT BETWEEN THE TWO LOOPS. PHASING DIFFERENCES BETWEEN THE PICKUP PATTERNS OF THE LOOPS ARE RESPONSIBLE FOR THE PATTERNS GENERATED BY THE SYSTEM. COUPLING BETWEEN THE TWO LOOPS TENDS TO DECREASE AS THE DISTANCE BETWEEN THE TWO LOOPS INCREASES, SO PAST A CERTAIN POINT THE BOX LOOP WILL HAVE NO NOTICEABLE EFFECT ON THE SM-1.

**EXPERIMENTAL RESULTS:** I HAVE TESTED THIS TECHNIQUE USING BOTH A 2 FOOT AND 3 FOOT BOX LOOP, AND IN 3 DIFFERENT LOCATIONS: DOWNTOWN PHILADELPHIA, PA (URBAN), ROCKVILLE, MD (SUBURBAN), AND COVE POINT, MD (RURAL), AND HAVE OBTAINED EXCELLENT RESULTS IN ALL THREE LOCATIONS. BEST RESULTS HAVE BEEN OBTAINED FOR DAYTIME DX'ING, WHEN THE SIGNAL INTENSITY IN A GIVEN DIRECTION IS RELATIVELY STABLE. AMONG THE MORE INTERESTING RESULTS INCLUDE 1) CLEAR DAYTIME RECEPTION OF WNAV-1430 IN PHILADELPHIA, IMPOSSIBLE WITH A SINGLE LOOP SINCE ORDINARILY WUJR IS COMPLETELY DOMINANT AND ROUGHLY IN LINE WITH ANNAPOLIS WITH RESPECT TO PHILADELPHIA; 2) CLEAR DAYTIME RECEPTION OF 250 WATT WJIC-1510 FROM ROCKVILLE, MD WITH 50,000 WATT WTOP-1500 FIFTY MILES DOWN THE ROAD; 3) RECEPTION DAYTIME OF EITHER WASA-1330 OR WESR-1330 IN THE CLEAR FROM COVE POINT, WITH PRECISELY THE SAME LOOP BEARINGS FOR EACH LOOP--THE ONLY DIFFERENCE BEING A SMALL CHANGE IN THE TUNING CAPACITOR SETTING ON THE BOX LOOP.

LIKE AN ALTAZIMUTH LOOP, THE TWO LOOP SYSTEM IS CAPABLE OF NULLING OUT VERY POWERFUL LOCALS. COCHANNEL STATIONS HEARD WITH A STRONG LOCAL NULLED OUT WITH THE TWO LOOPS MAY BE DIFFERENT FROM THOSE HEARD WITH AN ALTAZIMUTH LOOP, BECAUSE OF DIFFERENCES BETWEEN THE LOOP PATTERNS OF THE TWO RECEIVING SYSTEMS. IT HAS NOT BEEN FOUND NECESSARY TO TILT THE BOX LOOP IN THE TWO-LOOP SYSTEM IN ORDER TO OBTAIN DEEP NULLS.

SIGNALS RECEIVED WITH THE TWO-LOOP SYSTEM FREQUENTLY SOUND "CRISPER" AND "CLEANER" THAN THOSE RECEIVED WITH THE SM-1 ALONE, DUE TO THE ELIMINATION IN MANY CASES OF SIDEBAND SPLASH, SPURIOUS SIGNALS, COCHANNEL INTERFERENCE, ETC., THROUGH TUNING THE BOX LOOP. THE BOX LOOP ALSO SERVES AS A VARIABLE QCONTROL FOR THE SM-1'S CIRCUIT.

**LIMITATIONS OF TWO-LOOP TECHNIQUE:** USE OF THE TWO-LOOP SYSTEM AT NIGHT RESULTS IN RATHER UNSTABLE NULLING CONFIGURATIONS. THE WORST SITUATION TURNS OUT TO BE WHERE SEVERAL STRONG SKYWAVE STATIONS FROM DIFFERENT DIRECTIONS ARE SIMULTANEOUSLY RECEIVED ON ONE FREQUENCY. HOWEVER, SITUATIONS WHERE WEAK GROUNDWAVE AND/OR SKYWAVE SIGNALS ARE COLLINEAR WITH THE DESIRED STATION, THE TECHNIQUE HAS BEEN PROVED EFFECTIVE. (EXAMPLE--WWDX-1260 WITH A CLEAR LISTENABLE SIGNAL FROM PHILADELPHIA DURING THE EVENING--QRM FROM WBUD (GROUNDWAVE) AND WEZE (SKYWAVE) FROM THE NORTHEAST ELIMINATED, LEAVING WWDX (SOUTHWEST) MOSTLY IN THE CLEAR WITH OCCASIONAL MINOR WNDX (NORTHWEST) QRM.)

IT IS NOT CLEAR HOW WELL THE TWO-LOOP TECHNIQUE WILL WORK WITH RECEIVERS WITH RELATIVELY POOR REJECTION OF SPURIOUS SIGNALS. RECEIVER USED WAS A DRAKE SPR-4, WHICH HAS A RELATIVELY GOOD SPURIOUS SIGNAL REJECTION. OCCASIONALLY TUNING THE BOX LOOP AWAY FROM THE "PEAKING" POINT INTRODUCED SPURIOUS SIGNALS, WHICH WOULD DISAPPEAR WHEN THE LOOP WAS PROPERLY RETURNED.

ALSO, THERE SEEMS TO BE SOME LOSS OF SENSITIVITY IN RECEPTION OFF THE "BACK" SIDE OF A NULLED LOCAL OR SEMILOCAL. THIS MEANS THAT A WEAK STATION ROUGHLY COLLINEAR WITH THE LOCAL MIGHT BE AUDIBLE IF THE LOCAL WERE OFF THE AIR BUT UNDETECTABLE WITH THE TWO-LOOP SYSTEM UNDER ORDINARY CIRCUMSTANCES.

**CONCLUSIONS:**

THE TWO-LOOP SYSTEM OF THE SM-1 AND BOX LOOP HAS THE ABILITY TO RECEIVE MANY STATIONS INAUDIBLE WITH A SINGLE LOOP, AND TO IMPROVE THE QUALITY OF RECEPTION OF OTHERS BY ELIMINATING SPLATTER, COCHANNEL QRM, SPURIOUS SIGNALS, ETC. MOST STABLE RECEPTION CAN BE OBTAINED FOR DAYTIME GROUNDWAVE SIGNALS.

RECEPTION USING THE TWO-LOOP SYSTEM IS SIMILAR IN SOME RESPECTS TO THAT OBTAINED FROM A UCL (CARDIOID ARRAY) OF THE TYPE DESCRIBED BY RON SCHÄTZ AND OTHERS IN DX NEWS AND DX MONITOR. THE TWO-LOOP SYSTEM DOES NOT GENERATE CARDIOID PATTERNS, BUT BOTH SYSTEMS HAVE THE ABILITY TO RECEIVE IN DIRECTIONS OPPOSITE TO THE NULL(S). THE GREAT ADVANTAGE OF THE TWO-LOOP SYSTEM OVER THE UCL IS THE ABSENCE OF A SEPARATE TUNING UNIT TO MATCH THE OUTPUTS OF THE TWO ANTENNAS.

THIS PROVIDES FOR MUCH SIMPLER OPERATION OF THE TWO-LOOP SYSTEM OVER THE UCL.

ANY DX'ERS WHO HAVE EXPERIMENTED WITH SIMILAR SYSTEMS OR WHO KNOW MORE ABOUT THE THEORY OF TWO-LOOP SYSTEMS--ANY COMMENTS WOULD BE GREATLY APPRECIATED. ADVICE ON THEORETICAL ASPECTS OF THIS ARTICLE WAS PROVIDED BY MR. JOE GWINN OF THE FCC.

**NOTES:**

- + TUNING THE BOX LOOP'S PREAMP ON LOADS DOWN THE SM-1'S LOOP CIRCUIT. THIS RESULTS IN SUCH UNWANTED EFFECTS AS WHISTLES, SPURIOUS SIGNALS, ETC., NOT PRESENT WITH THE PREAMP TURNED OFF.
- ++ THERE ARE SITUATIONS WHERE NO PEAKING POINT IS PRESENT, SUCH AS THE LOOPS BEING TOO FAR APART OR FOR SOME RELATIVE POSITIONS OF THE LOOP AXES, PARTICULARLY WHEN THE LOOP AXES ARE APPROXIMATELY PARALLEL RATHER THAN IN THE 60-90 DEGREE RANGE.

**IRCA Foreign Log (Father Jack Pejza)**

One of the most challenging aspects of DX'ing is hearing a trans-Atlantic or trans-Pacific broadcasting station in the medium wave AM band. In case you think that such DX'ing is impossible, take a look at this new edition of the IRCA FOREIGN LOG. Here is a frequency-by-frequency listing of all AM band DX stations heard in North America and reported to the IRCA between June 1972 and July 1973. Details are given of the dates and times of reception, programming and signal strengths. There is a list of stations heard by call and a list of verifications reported. This book is a fascinating account of medium wave DX'ing during the preceding season and a MUST BUY for anyone DX'ing this part of the spectrum. 144 pages.

HERE'S WHAT GILFER HAS TO SAY ABOUT THE NEW IRCA FOREIGN LOG. GET YOUR COPY FOR ONLY \$3.00 FROM SAN DIEGO PUBLISHING COMMITTEE

which inconvenienced none of its 55,000 employees. Cutting out AN BCING would be a drop in the bucket compared to the amount of power that needs to be conserved, and would inconvenience night workers, BCers, and truckers. While I would love to see such a plan adopted (what DXer wouldn't!) I don't think it stands much of a chance, unless some Washington bureaucrats want to get back at BCers and truckers for all the trouble they've caused, hi. However, I am pursuing a letter writing campaign aimed at the FCC, my Senators, etc. suggesting that stns go off a few (10-15) hours a week, playing up the idea that "we all have to make sacrifices including broadcasters" and "every little bit counts." If enough of us write to enough people maybe something will happen. It'll be interesting to see what effect the energy crisis will have on f/c's. In recent years there's been a move towards having them during the day with mobile facilities. But now with the fuel crunch maybe more monitoring companies will return to late night f/c's.

NEW MEMBERS

- EILEEN M. MARKMANN, 217 WHITE DRIVE, APT. 1-2, TALLAHASSEE, FL 32304
- ROGER J. MCCARTHY, 1001-A TALBOT AVE., WINNIPEG, MAN., CANADA
- MATTI NIIT, 3527 W. 22ND AVE., VANCOUVER 8, B.C., CANADA
- DON RODGERS, 4313 SOUTH OWASSA, TULSA, OK 74105
- MICHAEL KRULIS, 38 CARPENTER AVE., MT. KISCO, NY 10349
- GREGORY STEELE, 3701 173RD CT., LANSING, IL 60438
- DENNIS JARRETT, 331 CONSULATE DR., TUCKAHOE, NY 10707
- JIM CAMPBELL, 5016 ORANGE AVE., SAN DIEGO, CA 92115
- DAVID E. FISCHER, BOX 489, HICKORY, NC 28601 (REJOIN)
- DAN SYS, 8 E. 18TH AVE., APT. #3, VANCOUVER 10, B.C. (REJOIN)
- BJORN OLSSON, BOX 2259, S-902 50 UMEA, SWEDEN (REJOIN)
- PAGE TAYLOR, P.O. BOX 282, BUTLER, NJ 07405 (REJOIN)

MODIFICATIONS TO THE WORCESTER SM-2 ANTENNA by Thomas R. Sundstrom

The SM-2 has been in use here for well over a year now and does meet a need for a large group of DXers who, for one reason or another, can't or won't "roll their own." Unfortunately, its biggest drawback is that it requires a 9-volt battery - and in this shack a couple of nights of forgetting to turn it off will result in one dead battery. After replacing several batteries, I decided to make the SM-2 run on a.c.

A Heath IM-18 1-15 vdc power supply was recently purchased, and this fits the bill quite nicely. Both voltage and current are independently controllable; I find the SM-2 functions quite well at 9v @ 10-15 ma, well below the 300+ ma a 9v battery puts out.

Using alligator clips (Radio Shack 270-378) attached to the SM-2's battery clip, this worked for a while until a lead in the battery clip broke. We set about to make the a.c. hookup a bit more permanent.

A miniature DPDT toggle switch (Radio Shack #75-1546) was installed between the SM-2 on-off switch and the battery holder. Two 5-way binding posts, one red and one black (Radio Shack 274-661), were mounted to the right of the battery holder, at the bottom on the same plane as the battery holder screws.

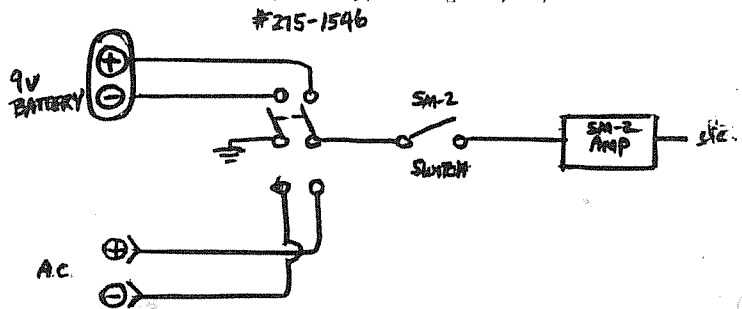
12

One side of the DPDT switch was wired to the binding posts, and the second side to the battery clip for the 9v battery. The center pair of lugs on the DPDT went to the on-off switch (positive lead) and the ground lug (negative lead). Watch the polarity in wiring the switch, i.e., keep the positive wiring on one side of the switch.

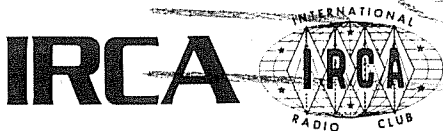
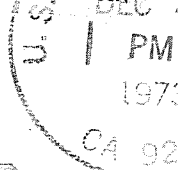
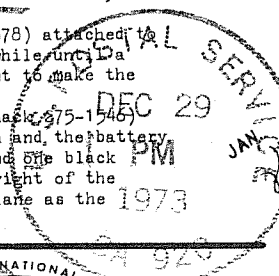
I could have replaced the SM-2's original SPST switch with a DPDT and have one switch serve both purposes, i.e., when switched to a.c. the battery would be cut off, and vice versa. I opted for the method described because I frequently turned off the SM-2 without turning off the IP-18 for purposes of clearing the receiver/Heath Sb-620 panadaptor screen to punch up 10 kHz markers to calibrate the SB-620's baseline. I believe there is less damage to associated parts to minimize the "surge" of current within the IP-18; as stated before, the SM-2 seems to require voltage and only a very minimum of current.

At least with this power supply I do not seem to have any a.c. hum pickup, but I suppose the purist would be able to detect some. In any case, I dressed the leads around the switch and binding posts close to the outer aluminum shell inside the SM-2. In weak signal conditions I can easily switch to the battery and remove the trailing IP-18 power supply leads, but to my untrained eye there seems to be no material differences in the SM-2's performance with the modifications described. As an aside, however, I would imagine an unfiltered power supply would cause problems, but the IP-18 seems to be quiet and also provides me with voltage and current for other projects around here.

- Thomas R. Sundstrom, Box 205, Willingboro, NJ, 08046



International Radio Club of America  
12536 Arabian Way, Poway, CA 92064  
ADDRESS CORRECTION REQUESTED



THE INTERNATIONAL RADIO CLUB OF AMERICA-- A NON-PROFIT CLUB DEVOTED TO LISTENING TO DISTANT RADIO STATIONS ON THE BROADCAST BAND (540-1600 KHZ). IRCA IS A MEMBER OF ANARC, THE ASSOCIATION OF NORTH AMERICAN RADIO CLUBS, DEDICATED TO PROMOTING COOPERATION BETWEEN THE RADIC CLUBS IN NORTH AMERICA.

IRCA OFFICERS: PRESIDENT: RICHARD C. EVANS, Bpx 2048, GARY, IN 46409 (219-981-2121); SECRETARY-TREASURER: CARL LABELSTEIN, 3300 NORTH 56TH ST., LINCOLN, NE 68507. BOARD OF DIRECTORS: CHAIRMAN-FATHER JACK PEJZA; BOB FOXWORTH; NANCY GANTZER; PERCY KESTEVEN, ED KREJNY, BILL NITTLER, JOHN ZONDLO.

MEMBERSHIP DUES IN IRCA: \$2 PER YEAR.

IRCA PUBLISHES THE IRCA FOREIGN LOGS, LISTING OVER 1500 FOREIGN STATIONS HEARD ON THE BROADCAST BAND. VOL. 1, \$2.25; VOL. 2, \$3. COMBINATION OFFER, \$5.00.

IRCA HAS AN EXTENSIVE LISTING OF REPRINTS OF ARTICLES AND FEATURES WHICH APPEARED IN DX MONITOR IN PAST YEARS. SEND A SASE FOR A COPY OF THE LIST.

PERMISSION IS GRANTED TO PUBLISH, BROADCAST, OR REPRODUCE ANY OF THE MATERIAL IN DX MONITOR (EXCEPT THOSE ITEMS WHICH ACKNOWLEDGE THAT THEY APPEAR BY PERMISSION FROM OTHER SOURCES), PROVIDING CREDIT IS GIVEN TO DX MONITOR AND THE AUTHOR OR CONTRIBUTOR, WHERE LISTED.

DX MONITOR IS PRINTED BY SAN DIEGO PRINTERS, SAN DIEGO, CA.

EXP 4/6/74 V12N28 1  
MICHAEL G. WORST  
3608 PHINNEY NORTH  
SEATTLE, WA 98103

FIRST CLASS