



# DX Monitor

Devoted Exclusively to  
Broadcast Band DXing

January 3, 1981

Volume 18, Number 15

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## DX Calendar

- Mon Jan 12 WEYZ-1450, Erie, PA, will test 0000-0030 EST w/big band mx & voice IDs every 10 minutes. Enclose an SASE with your rpt. Send rpts to: J.J. Sanford, PD, WEYZ, P.O. Box 1184, Erie, PA 16512. Arranged by Harley Steward, NRC.
- Mon Jan 12 WGIG-1440, Brunswick, GA, 5kw, ND, will test 0000-0500 EST w/TTs and c/w mx. Phone number: 912-264-9444 (no collect calls). Send reports to Bob Lafore, WGIG, 801 Mansfield St., Brunswick, GA 31523. Arranged by Bob Lafore, IRCA.
- Mon Jan 12 WCSM-1350, Celina, OH, will test 0030-0215 EST. Will use 145 w. PSA pwr 0130-0200, 500 w. rest of the time. Test will include TP, band, and contemporary mx. IDs will be given every 2 minutes. Phone: 419-586-5134 (no collect calls). Station's pattern is N-S. Include SASE with your report. Address: Brad Lovett, WCSM, Box 492, Celina, OH 45822.
- Mon Jan 12 WDMP-810, Dodgeville, WI, 250 w, will test 0100-0130 EST. Send rpts to Richard Carroll, WDMP, Box 116, Dodgeville, WI 53533. Arranged by Mike Knitter, NRC.
- Mon Jan 26 WENN-1320, Birmingham, AL, 5000 w, ND, will test 0100-0200 EST. This station also tests every Tuesday AM. Send rpts to WENN Radio, P.O. Box 697, Birmingham, AL 35201. Arranged by Mike Knitter.

## Odds & Ends

Looks like there's a good assortment of CPC tests for 1/12. I might even be able to hear a couple of them if conditions hold out.

Old radio freaks out there might be interested in Radio Equipment and Supplies, a 160 page catalog originally issued in 1922 by the Robinson-Cataract Company of Buffalo, NY. It contains 30 pages of receivers, 74 pages of accessories, and 30 pages of transmitting equipment. It includes hundreds of photographs and drawings, not to mention 1922 prices. It costs \$12.50 and can be ordered from The Vestal Press, Ltd., Box 97, Vestal, NY 13850. Enclose 75¢ for shipping. Or check your local bookstore.

Pending board approval, Father Jack has made the following appointments: Verification signers editor - Don Moore, Box 157 R.D. #7, Bellefonte, PA 16823; Sports Networks editor - Dav Yocis, 190 E. McDonel, E. Lansing, MI 48825; Conditions of Frequencies list editor - Steven Miller. The Courtesy Programs Committee chairmanship is still up for grabs. I'm sure there's someone out there in IRCAland who is willing and able to handle it. If interested, contact FJP at the address listed on the back cover.

It's hard to believe that 1980 has come and gone. Here's to a happy and productive (DX- and otherwise) New Year to all of you. As a New Year's resolution, why not plan to report to DX Monitor more often? 73, bp.

# EASTERN DX ROUNDUP

Bob Lazar  
3837 Milan Dr., Apt. 1  
Alexandria, VA 22305

- 570 WAAX AL Gadsden, 11/10 0200 fair w/ OM giving ID & ment of Gadsden. (JS)  
640 KFI CA Los Angeles, 10/26 0640 poor w/ a WYNA image causing slight QRM. Hrd OM w/ ment of "in Los Angeles", then mx. (JS-NC)
- 730 CHYR7 ON Leamington, 11/18 1855-1902 good w/ religious pgm ending at 1900. At 1900 OM w/ what sounded like "7-CHIR". (JS-NC)  
(Their power is 500 watts. Also please note their correct call letters; they haven't been CHIR for several years--ed)
- 750 WPDX WV Clarksburg, 11/19 1631-1634 good w/ WSB nullled. Local nx at 1631, OM w/ ID at 1632. Then 3 chimes to remember hostages. SID & C&W mx. (JS-NC)
- 810 WYRE MD Annapolis, 10/26 0644 very good. OM w/ "The best music, WYRE", then R&R mx. (JS-NC)
- 820 WAIT IL Chicago, 11/19 1756 poor u/ WOSU. OM w/ ID & some spots. (JS)  
860 KONO TX San Antonio, fair-good on fade-ups w/ ID's & T40 mx 0315 12/11. (KAZ-RI)
- 910 WBRJ OH Marietta, 11/22 1615-1620 good o/u WLAS w/ finish of the Purdue Indiana game. ID by OM at 1617. (JS-NC)  
CKLY ON Lindsay, 11/17 1813-1815 good-very good w/ weekend area hockey scores being read by OM, then wx reports for area. (JS-NC)
- 940 WMIX IL Mt. Vernon, 11/24 1858-1903 good-very good w/ spot for Christian Science Monitor before the hour, then OM w/ ID & Village People's "Macho Man." (JS-NC)
- 950 WWJ MI Detroit, 11/17 1823-1826 poor-fair u/ WKAZ. Hrd OM w/ ID & temp. (34°). Then CBS business report. (JS-NC)
- 980 WKOR MS Starkville, 11/22 1759-1801 fair u/ WRC. S/off by OM w/ lots of SID's. #400. (JS-NC)
- 1000 WKBQ NC Garner, fair at 1700 s/off 12/14. (KAZ-RI)  
WKYB SC Hemingway, very good w/ ID & T40 mx 1707 12/14. (KAZ-RI)
- 1060 WMCL IL McLeansboro, 10/30 1815 good w/ spot for "The Warehouse" (a night club) & s/off by OM which lasted only about 10 sec. No SSB. (JS-NC)  
WNPC TN Newport, 11/27 1729 good-very good o/ KYW. OM w/ s/off buried at the end by WKNG & KYW. (JS-NC)
- 1080 WCII KY Louisville, 10/30 0600 good w/ OM giving a "Country 11" ID, then nx read by OM w/ ment of WCII. 1st-time noted w/ new call. (JS-NC)  
WWDR TN Murfreesboro, 11/27 0700 fair u/ WEWO. Hrd ID in middle of s/on. (JS-NC)
- 1090 WSLG LA Gonzales, 11/11 1805 good w/ OM w/ wx, ID & mx. (JS-NC)  
WKSP SC Kingstree, poor u/ WBAL w/ ID & SC mention. Mixing w/ unid 1705 12/14. (KAZ-RI)
- 1050 CFYN ON Sault Ste. Marie, in w/ CHUM during WHN SP 0140 12/15. (KAZ-RI)
- 1100 WLBB GA Carrollton, 11/15 1705 very good. OM w/ ID, TC & C&W mx. (JS)  
WHLI NY Hempstead, 11/11 0706 very good o/ WWWE w/ some WBT slop. OM w/ "The music of your life on 1100 - WHLI." (JS-NC)
- 1070\*WFLI\*TN\* Lookout Mountain, very good testing w/ mx & ment. of 50kw day power 0305 12/11. (KAZ-RI) (oops! Out of order here--ed)
- 1120 WUST DC Washington, 11/16 1700 poor u/ KMOX & QRN. Hrd mx, then OM w/ ID. (JS-NC)
- 1130 WCXI MI Detroit, equal to WNEW this early 1600 12/13. (KAZ-RI)
- 1150 CKOC ON Hamilton, 11/22 1804-1809 good o/u WDEL. OM w/ nx and "This is CKOC news." (JS-NC)
- 1260 WCRT AL Birmingham, every Monday, Wednesday & Friday has "The Runner's Report" w/ Herc Levine 0618 and 0748. (From Running Times, Dec. 1980) (JS-NC)  
WIBV IL Belleville, 1030 1934 good w/ spot for hair stylist & then "Torn Between Two Lovers." (JS-NC)
- 1380 WYNK LA Baton Rouge, 11/13 1815 good w/ full s/off hrd & SSB. (JS-NC)
- 1390 CHOO ON Ajax, 11/21 2339 fair-good w/ a few spots & OM w/ wx, then C&W mx. (JS-NC)
- 1480 WDAS PA Philadelphia, 12/16 1225 T40 mx, ID by OM. Fair while nulling WTOP splash. (WPT-MD)
- 1510 WITS MA Boston, 11/22 1553 poor u/ mess & slop from WTOP & WKBW. OM w/ college football scores. Finally caught this before WLAC faded in. (JS-NC)

1510 WJIC NJ Salem, in w/ ID w/ WITS 1640 12/13. (KAZ-RI)  
 WAHT PA Annville, 12/16 1227 MoR mx, no ID. Fair u/ WTOP splash. (WPT)  
 1520 KOMA OK Oklahoma City, barely audible thru WKBW OC w/ two ID's 0413  
 12/12. First time in five years. (KAZ-RI)  
 WCHE PA West Chester, in w/ ad for WCHE Giant Santa Claus w/ WKBW &  
 others 1637 12/13. (KAZ-RI)  
 1530 WCTR MD Chestertown, in w/ local ads & ID 1632 12/13. (KAZ-RI)  
 1540 WZAL GA Jackson, (Tentative) likely w/ 2500 watts mentioned at 1730  
 s/off on 12/14. (KAZ-RI) (Note the "Z" in calls, Neil--ed)  
 WQCC NC Charlotte, way o/ WPTR w/ s/off after REL 1715 12/14. (KAZ-RI)  
 WKIE VA Richmond, way o/ WPTR w/ ID 1648 12/13. (KAZ-RI)  
 CHIN ON Toronto, clobbering WPTR at 1625 12/13 w/ ethnic pgm. (KAZ-RI)  
 1550 WLUX LA Baton Rouge, (Tentative) suspected w/ 1759 s/off giving studio  
 & xmtr location which were too weak to copy. Cx heavily favor-  
 ed the deep south tonight 12/14 & my SSS maps show WLUX as the  
 only 1800 s/off possibility on 1550. (KAZ-RI)  
 WORL TN Oak Ridge, fair-good w/ ID o/ CBE & WRHC which soon took over  
 the channel 1722 12/14. (KAZ-RI)  
 1560 unid ?? C&W mx & ad for Riley's Supermarket 1628 12/13. (KAZ-RI)  
 1580 WJIK NC Camp Lejeune, good w/ s/off after REL pgm 1658 12/13. (KAZ-RI)  
 1590\*WSWW\*WI\*Platteville, noted w/ WAWA ET & unusually weak WAKR. Testing  
 & mentioning modulation problems. 0213-0216 when off w/ ID.  
 ID & phone # given @ 0213 12/15. (KAZ-RI)

#### DX TESTS

540 WYNN SC Florence, 11/10 0100-0200 not hrd, only WGTO & WDAK there. (JS)  
 1590 WAWA WI West Allis, DX test in well from 0121 to 0255 w/ many ID's, TT  
 & disco mx. Xlnt & so strong at times as to even slop 1580  
 lightly w/ disco mx!!!! 12/15. (KAZ-RI)

#### EASTERN DXERS

KAZ - Neil Kazaross, 30 King Phillip Rd., Pawtucket, RI 02681  
 (Modified TRF, SM-2)  
 JS - John Sullivan, 5007 Tall Pines Ct., Raleigh, NC 27609  
 (Panasonic RF-2200)  
 WPT - Bill Townshend, DXing at work in Marlow Heights, Maryland  
 (Realistic TRF)

Too bad I was too lazy to try for the WAWA test; it would have been nice to  
 hear another Wisconsin station here. Speaking of Wisconsin, I'll have spent  
 an almost two week Christmas vacation there by the time you read this.  
 This column is being typed a few days early and there will be no EDXR next  
 week since I won't be here. See you in two weeks. 73.



#### SOME EUROPEAN MW BEACONS

by Charles Molloy

In DX Monitor, Vol. 18, No. 5, page 17, there is a list of radio beacons heard by  
 Pete Taylor during a recent visit to Europe.

It is very difficult in the UK to get information about beacons or other non-  
 broadcasting stations, but I have managed to identify the following:

545 kHz	LIC	Lichfield, England	900 kHz	HE	Herl (Moscow area)
625	FC	Svir Bylorussia (near Vilnius)	930	SW	Vohma, Estonia
652	RR	Ventspils, Latvia	975	RD	Rokiskis, Lithuania
732	W	Riga, Latvia	985	FK	Gagarin (Moscow area)
830	SW	Shepetovka, Ukraine			

Hope this list will be of interest. There are a number of beacons on medium waves  
 in Europe and it would be useful if one could find out where they are.

(Typist's note: Also on Pete Taylor's list is LAM-633. I heard this in the UK and was  
 told by a DXer there that it was in Lambourne, England and licenced to 633.5 kHz. I  
 believe that there has been no success hearing European MW beacons in North America,  
 though some of the experienced EC DXers in the 60's apparently tried. --NHP)

# CENTRAL DX ROUNDUP

Robert Kramer  
4639 N. Albany  
Chicago, IL 60625

UnIDed, Special, Changes, et. al.

- 1590 HAWA WI WEST ALLIS, 12/15 on DX test U/WSW W/several IDs & I believe soul mx. Hard to pick out programming in QRM from WSWW, KYOK & WAKR. New Here. 0130-0145. NZ-NE
- All da Rest
- 600 WICC CT BRIDGEPORT, 11/30 0430 fair W/CMW/WREC W/rock mx, ID, wx. KDF-IL  
 WAIV FL JACKSONVILLE, 11/28 0652 fair U/WREC W/lcl anmts., sports. KDF-IL  
 610 WRJS KY RUSSELLVILLE, 11/25 0706 fair in WDAF null W/market rpts, C&W mx. KDF-IL  
 CKTB ON ST. CATHERINES, 11/22 0200 W/Nx, ID, spot & into C&W mx. Way O/usual usual dominant KDAL. PAL-MN
- 730 WLIL TN LENOIR CITY, 12/4 0704 fair w/spot, TN mx. KDF-IL  
 800 CJAD QH MONTREAL, 11/24 2050 good W/MoR mx, ID, SID, EE O/much QRM, inc. SS. PAL  
 880 WRFD OH WORTHINGTON, 11/19 0758 excellent, alone on freq. W/wx for Columbus, traffic rpt, slogan-Columbus 880 Radio. PAL-MN
- 900 WFRO OH FREMONT, 11/19 0800 fair W/Fremont spots, ID, lcl nx. PAL-MN  
 960 WERC AL BIRMINGHAM, 12/8 0134 poor W/ID as "96 WERC", wx, "He's so shy". RG-IL  
 WRFQ GA ATHENS, 12/15 fair/good on ET 0243-0307 W/TT, OC & ID. First time since 12/77 here. NZ-NE  
 WFIR VA ROANOKE, 12/15 a suprise W/MoR mx, promo ID for Larry King Show, & CBS nx on the hour. 0255-0305. New here. NZ-NE
- 980 CKWS ON KINGSTON, 12/15 W/MoR mx, Wx & IDs 0245-0255, fair sig. Rare here. NZ-NE  
 KCIJ LA SHREVEPORT, 11/30 1815 weak W/S/Off. KDF-IL  
 WFHG VA BRISTOL, 12/8 0248-0317 good, on ET W/TTs, ID jingle & mx. RG-IL  
 1080 KOAK IA RED OAK, 12/14 loud on ET 0335-0407 W/TT, OC & ID. Daytime reg. here. NZ-NE  
 1130 KWKH LA SHREVEPORT, 11/29 1740 blasting in W/spots for Shreveport & Bossier City & a promo for Southfork Land Grab (win a piece of J.R.'s Ranch). Completely wiping out WDCY, WESN, WCXI & the rest of the usual 1130 mess. PAL-MN
- 1170 WGOV AL MONTGOMERY, 12/15 2200 W/Hatian W/ID & NBC Nx. A big suprise & very much wanted. RK-IL  
 KUAD CO WINDSOR, 11/27 0800 caught S/On W/PSA 500 watts. Stay tuned for Colorado Gold-KUAD Windsor. U/KVOO & others. PAL-MN
- 1260 WWDG DC WASHINGTON, 12/22 0157 unbelievable sig W/Nx, Wx, sports & ID. RK-IL  
 1270 KWEB MN ROCHESTER, 12/22 0500 caught me completely by suprise W/end portion of S/On promo & rock mx. RK-IL
- 1280 WDTN TN DAYTON, 12/1 0600 fair W/S/On. KDF-IL  
 WNAM MI NEENAH, 11/22 1350 fair W/spots for potato chips, jeans & rock mx. Blue-128 slogans. Regular here at SFS. PAL-MN
- 1320 WIIS MI LANSING, 11/22 0900-0906 ID, into CBS nx, then MI nx W/female ancr. PAL-MN  
 1330 WKKR IN EVANSVILLE, 12/14 noted first time W/new call. C&W mx, female DJ, "Call Santa Claus" promo. 0312-0330 during KFH SP. NZ-NE
- KMIL TX CAMERON, 11/26 0700 good W/S/On, Mutual Nx. KDF-IL  
 1340 KROS IA GLINTON, 11/22 0930 ID information Radio slogan & female W/nx. PAL-MN  
 1390 WFBL NY SYRACUSE, 12/15 O/WVON 0220-0230 W/Music of Your Life MoR & IDs. Fair. NZ  
 1400 WCCY MI HOUGHTON, 11/22 1330 fair W/Nx & Wx. lcl spots. Copper Country Radio. PAL  
 1440 KITA AR LITTLE ROCK, 11/30 1800 good W/S/Off. KDF-IL  
 1460 WIXN IL DIXON, 11/19 0840 fair W/phone # to win trip to the Inagination, then Female W/nx. PAL-MN
- 1550 WWWN GA VIENNA, 12/4 0603 on top W/wx, C&W mx, IDs as "3W-N", new stn. KDF-IL, 12/20 0601½ good W/end of S/On. RK-IL  
 1600 WKWF FL KEY WEST, 12/21 2158½ fair W/talk & full ID during brief fade-up on an evening W/strange Cx (seemed Auroral, but no high A-index). RK-IL
- Freak Check
- 940 KVSH NE VALENTINE, 12/8 0120-0129 good O/pest X&B W/TT. RG-IL  
 990 WTCB AL PIONATON, 12/8 0240-0245 fair O/weak Latin W/TTs. RG-IL (Rob did you ID this one ? They stopped this R/C quite a while ago. Hopefully they're back W/it again, they refused to verify my old rept. W/F/Up because the stn burned down-would you believe it less than a month after I originally hrd them, ed.)

BAAAAAAAAAAAAA !!!!!

- KDF... Karl Forth 2714 N. LeClaire Chicago, IL 60639  
 (HQ-160, loop)  
 RG.... Rob Gerardi 1418 N. Lincoln Apt. D Benton, IL 62812  
 (TRF, IRCA loop)  
 RK.... Ethel the Frog 4639 N. Albany Chicago, IL 60625  
 (HQ-129X, HQ-100C, 2 spiral loops, LW)



Nancy Hardy  
2301 Pacific Avenue  
Aberdeen, WA 98520

# WESTERN DX ROUNDUP

All times are  
Eastern Local

Phone for hot WDXR tips: (206)532-6827 till 10:30pm(PLT)--no collect calls

DEADLINES: Thursdays 1/8, 1/15, 1/22, 1/29, 2/5, Wed. 2/11, Thurs. 2/19

REPORTERS FOR THIS ISSUE:

- (BB) Bill Block-9307 S.E. Clay-Portland, OR 97216  
R-390 A, Radio West loop  
(NHP) Nick Hall-Patch-1538 Amphion St.-Victoria, BC V8R 4Z6  
Homebrew solid-state rcvr, 3' box loop, HRO  
(MTL) Mark Lewis-333 N. Rengstorff #11-Mtn. View, CA 94043  
GE Superadio, homemade 3' loop  
(RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118

\*\*\*\*\*  
OF SPECIAL INTEREST:

- 750 KXL OR, Portland is now 24 hours. First hrd 11/17 2145 w/info on  
now 24 hours news & talk radio. (BB-OR)  
\*\*\*\*\*  
560 KSFO CA, San Francisco fair at 1253 12/10 w/ID & ads. Poorer at 1320  
w/tele-talk & singing ID. KPQ nulled. Most unexpected at this  
time. (NHP-BC)  
610 (KFRC) CA, San Francisco 12/14 1400-1410 off RS w/OC during Lennon  
tribute. (RW-CA)  
660 KCRO NE, Omaha s/on ID 0700 11/24. Poor u/unID carrier which had  
been switched on at 0657. (NHP-BC)  
760 (KFMB) CA, San Diego noted off 12/15 0530. Back on at 0700. (MTL-CA)  
860 KTRB CA, Modesto poor to good 12/10 1312 w/country mx, ads for  
Modesto businesses & ID at 1312. Good opening, as this more  
than 2 hours past sunrise. (NHP-BC)  
960 CFAC AB, Calgary noted w/nx, wx & ID 1440 12/4. Fair at peaks, but  
to nothing w/frequent deep fades. KJR-950 splatter nulled. Huge  
sig. 12/5 1655, but slowly fading, w/"Cash Call" contest. (NHP-BC)  
1030 KTW0 WY, Casper 12/4 1631 poor & fairly steady w/man talking. Picked  
out a ment. of KTW0 & a MST TC. (NHP-BC)  
1040 \*WHO\* IA, Des Moines 12/14 0338 noted off RS & testing, only a KNBR-  
680 spur underneath. (MTL-CA)  
1060 CFCN AB, Calgary poor sig. at 1700 12/5 w/TC, temperature & ID  
Followed by nx by man. CFAX-1070 splatter nulled. (NHP-BC)  
1140 CKXL AB, Calgary fair sig. 12/10 1330 o/heavy CKWX-1130 splatter w/ID,  
and ment. of Xmas contest by man. (NHP-BC)  
1240 KBMY MT, Billings 12/15 0635 on top for 3 min. w/YL anncr. reading wx  
for Billings & vicinity. (MTL-CA)  
1260 CFRN AB, Edmonton poor to fair o/u CKDA-1220 splash 12/10 1424 w/rock  
mx & ID by man. (NHP-BC)  
1340 KLOO OR, Corvallis 12/9 0419 noted AN w/tail end of Monday Night Foot-  
ball delayed broadcast. Nice ID, all QRM nulled, completely  
alone. New. (RW-CA)  
1360 ?KXOL? TX, Ft. Worth 12/1 0356 presumed the one w/"Country radio in  
Ft. Worth" ment. by man. Briefly fair. (NHP-BC)  
1440 KVON CA, Napa 12/15 0324 apparently AN now. Noted MM u/KUHL! (RW-CA)  
1460 CJMH AB, Medicine Hat 12/10 1434 man talking about livestock prices  
//CBR-1010. Sig. nil to fair w/KGAA nulled. (NHP-BC)  
1580 KNIX AZ, Tempe-Phoenix 12/15 0641 fair w/C&W mx, OM anncr. ment. AZ  
Boys Ranch, TC at 0643, ID w/ment. of FM 102. (MTL-CA)  
KMCE CA, Merced 12/14 1401 call change finally hrd, ex-KWIP. MOR mx.  
Poor-fair but steady w/KLIV-1590 OC nulled. (RW-CA)  
1590 (KLIV) CA, San Jose 12/14 1400-1410 noted off w/OC during prayer period  
requested by Yoko Ono. Back on at 1410 w/Lennon song. (RW-CA)  
1600 KGST CA, Fresno 12/14 1403 1st day reception ever, o/u KUBA w/SS.  
KLIV-1590 OC nulled. (RW-CA)  
KBBX UT, Centerville 12/7 1900 fair-good sig. w/SS programming, then  
s/off annct. in EE, and no SSB. Dominant on channel. (NHP-BC)

UNID's:

- 1470 12/15 0321 unID C&W looping SE in KXOA null u/CJVB/XECU. (RW-CA)  
1490 12/15 0310 unID w/s/off in mess using distinctive "America the Beauti-  
ful," also a fairly late s/off time, all quite distinctive. KTOB  
already off. (RW-CA)

Happy New Year, everyone! ♥

**DX****Worldwide**Neil Kazaross  
Eastern EditorAll times UTC  
Deadline Tuesdays

UNION COLLEGE BOX 1024 SCHENECTADY, NY 12308 518-370-6835 1200-0030 EIT

Since I'll be back in school in January, please send all reports to the above address.

TRANS ATLANTIC DX ROUNDUP

- 612 MOROCCO Sebaa-Aioun loud w/man in AA, annihilating WGIR, 2148, Dec.13  
657 UNID probably Morocco- potent het, but too much WNBC to pull audio out of the car rx,,2238, Dec.12. (Connelly-MA-last two)
- 702 MOROCCO Sebaa-AIGUN poor w/AA moaning in bad WRKO slop 2120 Dec.13.  
711 UNID ripping het rendering WOR useless 2255 Dec.11. Man talking; it sounded more like AA than FF - maybe Morocco instead of France, 2119, Dec.13, (Connelly-MA)(last two)
- 711 FRANCE Rennes in w/huge signal, sometimes reducing WOR to a het 2227 Dec.15: FF talk by m&w. (Connelly-MA)
- 720 PORTUGAL Norte-Azurara fair (alone on channel) w/ light Alpine-style instr. mx 2122 Dec.13. Good w/fado (plaintive PP vocal mx) 2149 Dec.13. Somebody on 719 noted as a weak het. (Connelly-MA)
- 756 PORTUGAL Lisboa xlt w/cl.mx, then PP talk, 2254 Dec.11.(Connelly)  
756 WEST GERMANY Braunschweig good w/Latin Xmas hymn "Gaudete" by Steeleye Span,then pop-rock, 2223 Dec.15. (Connelly-MA)
- 765 SENEGAL Dakar loud w/FF talk 2227 Dec.9. AA style violins, then FF talk by woman 2208 Dec.13. (Connelly-MA)
- 774 SPAIN synchros- good w/SS talk, potent het on WABC 2230 Dec.9. SS talk loud o/usual fast SAH 2225 Dec.12. (Connelly-MA)
- 819 MOROCCO Rabat loud & alone on channel w/male group AA chanting.2150 Dec.13.(Connelly-MA)
- 837 UNID AA mx poor in severe WHDH buckshot, 2253 Dec.11.(Connelly-MA)  
882 GREAT BRITAIN Washford BBC xlt w/Xmas mx, often equalling WCBS in strength 2220 Dec.15. (Connelly-MA)
- 891 ALGERIA Algiers at local level w/slow AA discussion by woman mentioning Beatles, apparently a report on the murder of John Lennon, 2235 Dec.9. rattling the car rx speaker w/female AA singing 2252, Dec.11. Smashing in w/AA singing & banjo-like accompaniment,2125, Dec.13. (Connelly-MA) Barely thru het w/YL singing 2127 Dec.17. Maybe I should move to MA.(kaz-RI)
- 945 FRANCE Toulouse poor w/woman in FF 2152 Dec.13. (Connelly-MA)  
999 UNID het often noted here during North-African-dominated cx, but always too much CRLF/Ckbw/LA- 1000 QRM for audio: het particularly strong during African-only cx at 2140 on Dec.10. (Connelly-MA)
- 1062 PORTUGAL Notre-Azurara loud w/cl mx overwhelming CJKP 2126 Dec.13. New England DXers should bag this one before WTR goes full time.(Con)
- 1116 UNID sounded more like SS talk than expected AA from Morocco or II from the Italian, poor O/a cluster of SAH's 2250 Dec.11.(Connelly-MA)
- 1169 UNID het, someone still on this old plan channel 2250 Dec.11. (Connelly-MA) Is Chad here?:-ed.
- 1197a MOROCCO(tentative) FF talk, rock mx fair 2249, Dec.11. To good peaks w/"Message in a Bottle" by the Police, then FF talk incl. phone calls from listeners - format similar to that of 1044 2145 Dec.13. Receptions were from car rx so I'm not sure if on 1196 od 1197. This should be easy for east coast DXers between 2100 & 2200 GMT: 1200 is pretty much vacant at the time & slop from CHTN/WLIB 1190(before W0W0 fade-in) is the only possible problem. (Connelly-MA) Definitely Morocco.They're often //1044 & play better rock mx than any domestics that I know of -ed.
- 1206 FRANCE Bordeaux loud w/FF talk 2143 Dec.13.(Connelly-MA)  
1215 UNID North-African area- strong het against WCAU prestant at sunset on car rx at coastal sites during Africa-only openings(e.g. 1349 & 1404 loud but France 1206 non-existent) N.Atlantic, Las Palmas, Canary Islands (formerly on 1097 & widely heard) is the prime candidate. Typical reception at 2145 on Dec.10: who'll be the first to pull an ID on this one? (Connelly-MA)
- 1395 ALBANIA Lushnje potent w/ m&w in SS on car rx at beach 2312Dec.11(Con)  
1521 SAUDI ARABIA Muba pr w/AA talk thru het 2118 Dec.17.(kaz-RI)  
1530t VATICAN CITY suspected w/piano mx o/u WCKY looping NE/SW during brief high band TA opening 2235 Dec.19.(kaz-RI)

- 1539 WEST GERMANY Mainflingen DLF strong w/ GG female vocal, orchestral backing- thru bad WPTR/KALL slop 0458 Dec.15.(Connelly-MA) Poor w/GG talk thru biig het w/ WPTR 2232 Dec.19.(Kaz-RI)
- 1557 FRANCE Nice xInt w/male AA chanting & violins 0501 Dec.15. (Connelly-MA) Fair w/FF OM 2230 Dec.19.(Kaz-RI)
- 1566 TUNISIA Sfax fair w/AA. Big carrier,lousy audio 2205 Dec.19. (Kaz-RI)
- 1593 WEST GERMANY Langenberg extramely loud, 20 db, better than 1590 jumble: GG nx by man 0508 Dec.15.(Connelly-MA)

PAN AMERICAN DX ROUNDUP

- 075 COSTA RICA San Jose Sonora gd. at 0945 Dec .7. w/upbeat mx. Is supposed to s/on at 1100-- now AN?(Thomas-FL) I assume so as I've heard them quite late at night-ed.
- 750 VENEZUELA Caracas YVKS good w/ syrupy '30's style instr mx, Caracas ID Then SS vocal 0050 Dec .11. Cx slightly AU at the time.(Connelly) Sounds like a format change from the usual disco mx-ed.
- 780 BRITISH VIRGIN ISLANDS Roadtown ZVBI v.gd. w/nx in Caribbean EE 2225 Dec.9. XInt, totally atop channel (bothered only by Portugal-782 het & the mytsey low side LA on about 779.8):ID "ZBVI Tortola" then fast instr. reggae mx 2330 Dec.11.(Connelly-MA)
- 810 COLOMBIA Bogota HCJY dominant w/tropical mx/steel drum band, then SS talk giving QTH as Bogota; CJVA/wGY AUed out 0043 Dec.11.(Connelly)
- 815 ECUADOR ON past-usual 0500 s/off Dec.14(this a local sat) w/festive mx & severely undermodulated male.(Thomas-FL)
- 830 DOMINICAN REPUBLIC Santo Domingo loud atop YVAT w/SS pop vocal mx, H-I-J-B ID 0030 Dec.11.(Connelly-MA)
- 834 BELIZE Belize City. Superb at 1210 Dec.7. (sun) s/on w/info in EE & SS. (Thomas-FL)
- 885 MONTERRAT Plymouth ZJB fair w/light mx strongly hetted by BBC 882 2251 Dec.11.(Connelly-MA)
- 914 SURINAM Nieuw Nickerie RANI fair at 1002 Dec. 7 w/weird mx.(Thomas)
- 1075 COSTA RICA San Jose Faro del Caribe in & out 1100-1115 Dec.7 w/SS male. (Thomas-FL)
- 1080 COLOMBIA (tentative) SS LA way w/WTIC: it seemed to ment.CAROCAL network 0042 Dec.12. (Connelly-MA)
- 1089 COLOMBIA Cucuta HJBC thru WBAL OC o/BBC-1089 het: "El Reporter CAROCAL" was yelled out several times in the style of a newsboy yelling"read all about it" 0524 Dec.15. (Connelly-MA)
- 1175 UNID Fair w/ moderate LA mx & long SS male monologue, Dec.7. NBC-like chimes at unreadable TC at 1014. One partially readable ID at 1030 which sd/lk"K/Villa LV de bah-TEE-yah Nacional"??? Gone for good at 1040. (Thomas-FL) If you'll permit me to add my two cents worth I must say that the TODELAR network of Colombia uses NBC-like chimes-ed.
- 1210 VENEZUELA Coro YVMN v. gd. w/"La Hora de Coro" TC way o/WCAU null 0852 Dec.20.(Kaz-RI)
- 1483.2 COLOMBIA Pacho HJHQ Had to drag my caboose out of bad at 3 a.m. to finally ID this guy. 'Tis R.Fuuturama w/ID AT 1020 Dec.7. & male singingi otherwise. (Thomas-FL)
- 1500 MEXICO Mexico City AEMH pr-fr w/ mishmash of other stations: La R-H, Grande, & Musica Tropical were ment. 0515 Dec.15. All stations on the channel were weak & WTOP was off at the time. (Connelly-MA)
- 1536 UNID Fair carrier noted here 1058 Dec.7.(Thomas-FL)
- 1550t TURKS & CAICOS IS. VsI suspected in again w/ Xmas carol then British Carb. accented EE YL anc. 2205 Dec.16. Soon buried by WRHC fade-up. w/a quite weak CBE looped.(Kaz-RI)

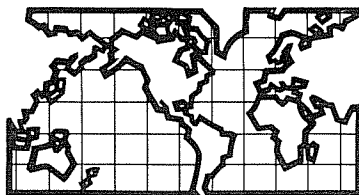
Lonesome Threesome:

- Mark CONNELLY 30 William RD. Billerica MA 01821 HQ 180A SM 2, Car rx,whip.
- Gerry THOMAS POB 2036 Pensacola. FL 32503 Mod-frog, Mod-spur-4/lw, 90m dipole., loops, etc.
- Neil KAZAROSS 30 King Philip Rd. Pawtucket,RI 02861 R390A, Sanserino Loop, LW, Mod-TRF SM 2, Eight 7 ounce mini-beverages.

Matt Stuterheim & Mark Connolly have phoned in & told me that a Cuban //640 has been noted on 625 & 622.9 respectively. My guess is that the 630 outlet is drifting lower. As I'm six miles from WPRO's tx I've heard nothing.

73's & best wishes for a happy & successful New Year - KAZ





## DX WORLDWIDE - WEST

Pat Martin - Editor

P.O. Box 843, Seaside, Oregon 97138

(503) 738-3198 - deadline Tuesday

DX continues to be on the poor side around here. I presume the same is true in other places, as few reports have come in. Infact only one other besides myself this week, from Bill Harms in Utah, where he managed to pull in a Philippines station in November. That's really great DX at that distance off the coast. Also R. Fiji is using a new frequency, see 774 KHZ.

### TRANS-PACIFIC DX ROUNDUP

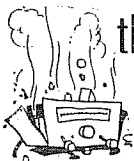
- 531 AUSTRALIA, Kempsey-2KM holding its own o/UNID rr station (N.Z.?) at 0944 on 12/17. Caught quick wx report at 0947. (FM-Or)
- 590 HAWAII, Honolulu-KSSK, hrd. w/call change from KGMB at 0645 on 12/20, still w/Pop mx, calling themselves "R.59", K-59, and KSSK(KISSK). (Pm-Or)
- 620 HAWAII, Hilo-KIPA-hrd well o/KGW several evenings in a row, w/Pop and Jazz, noted on 12/15 at 0650 like a local. Normally hear this one, but not that strong. (FM-Or)
- 720 HAWAII, Eleele-KUAI, hrd. exc., well o/KDWN w/Talk show at 0810 on 12/16. Normally wouldn't list this one as it is a regular, but not normally way o/KDWN. (FM-Or)
- 774 AUSTRALIA, Townsville-4T0 hrd. w/rr mx and TC at 1431 on 12/16, way o/3LO. (FM-Or)
- \*\*\* FLI, Location unknown-new Fiji 2 frequency, hrd. firstly on evening on 12/20 w/EE programming until 0800, into Hindi, // to 891, 927, 1467, etc. Almost equal w/891 most of the time, but different fades, so presume different transmitter site. (FM-Or)
- 837 PHILIPPINES, Manila-DXRV-R. Veritas Asia hrd. on 11/20 at 1350, OM in Tagalog and ID as "R.Veritas-Asia" at 1359-Good signal, new country 28 (WJH-Ut) (Excellent-PM)
- 846 JAPAN, NHK 2-Synchros, a comedy show, // to 837, hrd. on 11/20, from 1320-1333, good but w/DXRV QRM. This is one of my best TP catches w/3KW power. (WJH-Ut)
- 864 AUSTRALIA, Toowoomba-4GR, noted again w/Pop mx and ID at 0934 on 12/16, o/UNID rr, presumed 7HO and/or N.Z. (FM-Or)
- 945 SOLOMON ISLANDS, Gizo, hrd. again w/Pidgin and EE programming at 0746 on 12/16, // to 1035, their new freq. (FM-Or)
- 970 HAWAII, Hilo-KPUA-hrd. w/rr mx o/KYTE at 0645 on 12/17, soon mixing tho. (FM-Or)
- 1017 AUSTRALIA/TONGA-2KY way o/A3Z w/Pop mx and Sports report at 0917 on 12/16. (FM-Or)
- 1026 AUSTRALIA, Mackay/Melbourne-4MK/3DB mixing w/rr mx at 0934 on 12/16, w/UNID rr, presumed N.Z. (FM-Or)
- 1035 SOLOMON ISLANDS, Honiara-presume this is going to be a regular from now on, out of the last 7 nights (12/17-12/23), was hrd. every night, and morning, after 0700 or so, still much weaker than Fiji, Tonga, Kiribati, etc., but in the clear since moving to a less crowded freq. (FM-Or)
- 1080 HAWAII, Honolulu-KIOE, hrd. w/o KWJ w/talk show at 0735 On 12/15. Hrd. most Hawaiians that A.M. (FM-Or)
- 1125 t VANUATU, Port Vila-presumed the one w/Drum mx and OM yelling, then Island mx at 0815 on 12/16, soon lost to slop. (FM-Or)
- 1386 UNID, at 0825 on 12/8-faded up for a moment w/lite mx, carrier lost completely by 0830. Is WXLE still on the air? (Nope, transmitter was taken off island the Fall (WJH) of 1979, per Global Associates. Possibly may be 2EA, as they have moved to 1386 in recent months, programming-ethnic, but have hrd. w/some soft mx. PM)
- 1476 UNID, at 1255 on 11/20-good signal w/Inst. version of Michelle by Beatles, Signal lost to KONI s/on at 1300. (WJH-Ut) (Poss. CC or RR, not LIA as they are rr. PM)
- 1566 AUSTRALIA, Wangaratta-3NE hrd. w/commercial and TC at 0943 on 12/17. Poor. (FM-Or)
- 1575 AUSTRALIA, Wollongong-2CO, and UNID at 0930 on 12/17, UNID maybe NZ. (FM-Or)
- 1593 NEW ZEALAND, Manakau-1XP, hrd w/ R. Pacific ment, during talk show at 1009-12/20. (FM)

### VERIES

- 1250 ALASKA, Homer-KBBI-sent friendly verie letter in three weeks, along w/Prog. guide. an NPR station. Verie signer: Ed Gatzke-Engineer-Address: Box 1085-Homer, Ak. 99603. (FM)

### THANKS to:

WJH-Bill Harms-University Station-P.o. Box 7428-Provo, Ut. 84602-Mod. FRG-7-3 ft. Wedge loop  
PM- Yer Editor- E.H. Scott-230 foot LW-4 Foot Loop-Ground system-Audio Filter-Booster.



# the irca technical column

Editor: Nick Hall-Patch  
1538 Amphlon St.  
Victoria, B.C. V8R 4Z6  
Canada

## Radio Shack's New TRF

by Gerry Thomas

As we all know by now, the revered Radio Shack TRF Model #12-655 is no more. In its place Radio Shack is offering the 12-656, a radio which shares the same aim as the old TRF, namely reception of distant MW stations, but at an increased price of \$34.95. What's the story on the new TRF and how does it compare with the old? Read on:

**Appearance:** The cabinet of the new TRF was cast from the same mold as the old so their sizes and overall configurations are identical with the exception of color. Whereas the old TRF was grey, the new model sports a black front half and a greyish beige back half. On the later model the dial markings are a little "finer" and the pointer significantly narrower which should result in improved stock frequency resolution. Also, gone is the slide pot which continuously varied tonal quality on the earlier model, it being replaced by a two-position, horizontal-throw toggle switch. The rears of both cabinets are identical with the earphone jack and external antenna/ground terminals similarly located.

From a purely visual standpoint, I personally find the new TRF a little more appealing, but there was certainly nothing distasteful about the older version.

**Circuitry:** Although both models are single-conversion superheterodyne designs and employ tuned RF stages, the circuitry beyond the mixer differs in several important ways. The older TRF used two IF stages and depended upon a ceramic bandpass filter resident in the first IF transformer to provide above average selectivity. The current model has done away with the filter and instead has added a third IF transformer to handle the selectivity parameter. (Like the older version, the new TRF uses discrete transistors to provide IF amplification.) In the audio section, the new TRF has replaced discrete components with an integrated circuit.

Another noteworthy difference between the two TRF's is the ferrite rod antenna. The antenna in the previous model measured 6 1/2" x 3/8", whereas the current model's antenna has decreased in size to 5 9/16" x 3/8". Assuming that both ferrite materials are of similar permeability values and that the primary and secondary windings are comparable, we can expect somewhat lower signal levels being fed to the RF stage of the newer TRF.

**Performance:** Okay, now that we've finished the visual once-over, how does the new TRF stack up as a DX machine? To answer this question, brand new, right-out-of-the-box, TRF's were compared. The older 12-655 and the current 12-656 were equipped with fresh C-cells and a midday test sequence begun. This sequence (which was conducted at my new location, several miles distant from my previous RF-jungle QTH) encompasses both selectivity and pure sensitivity tests and provided the following results.

**600 kHz** (next to local masterblaster WHYM-610)--On the old TRF, CMW was in at a fair-plus level and was experiencing minor slop from WHYM; under the Cuban was audible (but at weak level) WVOG, New Orleans. On the new TRF, CMW was judged to be at a fair level, but was being severely troubled by intelligible splatter from WHYM; there was no sign of WVOG.

**750 kHz** (test of pure sensitivity)--WSB, Atlanta was weak but audible on the old TRF, but not a trace of WSB on the new model.

**970 kHz** (local WBOP on 980) On the old TRF, WIIA, Tampa was at a good level with only impulse slop from 980 audible. WFLA also at a good level on the new TRF, but the slop from 980 was steady and intelligible.

**1220 kHz** (next to local WNVY-1230)--CMGY was very weak but readable on the old TRF, despite heavy, but unintelligible, QRM from the local. Only the local spilling over to 1220 was audible; no sign of the Cuban on the new TRF.

**1380 kHz** (5 kw local WCOA on 1370)--The old TRF provided WLCY, St. Petersburg at a fair-good level with significant but unintelligible slop from WCOA. On the new TRF, WLCY was nowhere to be found.

After obtaining the preceding results, the new TRF was carefully "tweaked" (i.e. RF and IF stages aligned) and the sequence re-run.

**600 kHz**--CMW at fair level; slop still moderate but now unintelligible; WVOG now audible under the Cuban but very weak.

**750 kHz**--WSB now audible, but weak.

970 kHz--WFLA still good but WBOP QRM remains intelligible, though slightly less heavy.

1220 kHz--still no sign of the Cuban

1380 kHz--Not a trace of WLCY.

As you can see, tweaking resulted in an improvement in the new TRF's performance, especially on the low end of the band, but it still didn't match that of the earlier model. (Incidentally, the GE Superadio was also put through this domestic test sequence, and provided reception equal to or better than the old TRF under all conditions.)

One advantage which the newer TRF did have was in the area of current consumption. At "normal" listening levels the earlier TRF consumed about 35 mA of current whereas the present model requires only about 18 mA; therefore, batteries should last longer. Finally, the two-position audio filtering of the new TRF seemed to be as effective as the old model's variable filter in most situations.

Final thoughts: Well, on the basis of this one-sample evaluation, it looks as though we've taken a step backwards. The new TRF, while it is undoubtedly better than most portable or table-top "AM" radios, does not match the model it replaced in either overall sensitivity or selectivity.

It is highly likely, however, that modifying the IF's with "transfilters" or even a high quality bandpass ceramic filter and adding a Radio West "Shotgun" antenna booster would make this a very serviceable DX device. Besides, other than the leviathan GE Superadio, we MW who require a portable, under-\$100, DX rig have little other choice nowadays. 73's---GT

(ed. note: Since writing this, Gerry and I have heard about the new Sony ICF-S5W from Armand di Filippo, which shows promise as a MW DX portable, and much lighter than the Superadio. Gerry is sending a descriptive review to HQ; you may have already seen it. A spec sheet is available from: Sony Corp., Consumer Relations, Attn: Joan Bardong, 47-47 Van Dam Street, Long Island City, NY 11101. Hopefully, a full review will soon be available.)

\* \* \* \* \*

Recently, there have been a couple of questions in WDXF concerning electronics parts availability. Herewith, a list of suppliers from A UXer's Technical Guide: (you mean that you haven't got your copy yet? Only \$4.50 from the IRCA Goodie Factory)

- a) Adva Electronics, Box 4181 A, Woodside, CA 94062. Sells mainly solid state devices in small bulk lots (3 for \$1 etc.). A couple of power supply kits as well. Pretty good selection and not as heavy on digital IC's as some outfits. Pamphlet for the asking.
- b) Allied Electronics, 401 East 8th St., Ft. Worth, TX 76102. (also stores in various cities) This outfit carries a wide range of parts, many minutely specified. Prices are reasonably high, but you know what you're getting. Some hardware comes in rather large amounts. Catalog costs \$1 and there is a \$1.50 handling charge for orders under \$15.
- c) Ambient International, 200 North Service Road, Brentwood, Essex CM14 4SG, England. Their catalog is an ongoing affair; first 3 volumes cost £1.75 (about \$4 US), but goes into some detail on applications of various of their lines. Seems to favor linear ICs, but carries a number of other parts and has a good selection of shielded miniature coils and IF filters, a number of which might be useful to the BCB experimenter. Importing parts into the U.S. may require some customs duty however.
- d) Amidon Associates, 12033 Otsego St., North Hollywood, CA 91607. Deals in ferrite rods, pot cores, toroid cores etc. Iron powder toroids and coil forms also. Some interesting coil winding and other data comes with their free pamphlet.
- e) Circuit Specialists, Box 3407, Scottsdale, AZ 85257. These people carry general parts with a good selection of solid state devices, capacitors, resistors, hardware and J.W. Miller parts. Free catalog.
- f) Digi Key Corporation, P.O. Box 677, Thief River Falls, MN 56701. Some transistors; mostly digital ICs, capacitors, books, some PC and breadboard material. Free catalog.
- g) Dominion Radio, 535 Yonge St., Toronto, Ontario M4Y 1Y5, Canada. Some transistors, general parts, test equipment and hardware. Sometimes these people have good prices on parts, particularly potentiometers, but you can't predict what form these "bargains" will take: a pot might have a 3/16" shaft or no shaft at all. Free catalog, but a minimum order of \$10.
- h) International Crystals, 10 North Lee, Oklahoma City, OK 73102. Crystals cut to specified frequency, preassembled oscillator boards and kits, the BAX-1 amplifier kit and others.

- i) J & J Electronics, P.O. Box 1437, Winnipeg, Manitoba R2C 2Z4, Canada. A general parts company of interest to Canadians. Free catalog.
- j) Jan Crystals, 2400 Crystal Drive, Fort Myers, FL 33907. Crystals, some cut to your specified frequency. Free pamphlet.
- k) J. W. Miller, P.O. Box 5825, Compton, CA 90224. The famous coils and cores. Get in touch with this company directly if you can't get their product elsewhere.
- l) C.M. Peterson Co., 220 Adelaide St. North, London, Ontario N6E 3H4, Canada. These people are of most interest to Canadians. They carry "Armaco" products, a fairly complete line of inexpensive hardware, switches, knobs etc. Free flyer.
- m) Radiokit, P.O. Box 429, Hollis, NH 03049. This company has recently purchased G.R. Whitehouse and Co. and have a stock of J. W. Miller coils. \$2 shipping and handling per order.

\* \* \* \* \*

Best wishes to all in 1981, especially to those who have contributed to the column in 1980...namely Brian Aase, Phil Bytheway, Mark Connelly, Armand di Filippo, Perry Ferrell, E.H. Grossman, Patrick Martin, Bruce Portzer, Ed Satterthwaite, Gerry Thomas, and Randy Tomer. Your efforts are greatly appreciated, and I hope to hear from you and others in 1981. 73... *Nick*

From Mike Hardester:

# KXL AM750 • FM95

Dear Mike,

As of December 16, 1980, KXL AM has been granted full time authority, to operate with a night time power of 1000 watts with the current directional antenna. We also have in the hopper an application for 10,000 watts night time with a modified antenna pattern.

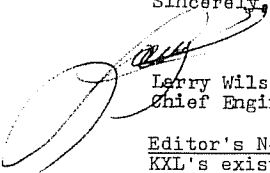
The 1000 watts was a direct result of the clear channel break down procedures of the FCC. We applied and were granted an STA for the night time operation.

Please see that this information is published in the DX MONITOR to alert DX'er so they might receive us before a proliferation of new stations on 750 or co-channels.

The best of luck to you and good DX'ing.

Address replies to me.

Sincerely,

  
Larry Wilson  
Chief Engineer.

Editor's Note

KXL's existing daytime pattern, which I assume is also used at night, has a deep null to the east of Portland and beams lots of power to the north, south, and east. It's roughly a cardioid shape.

# Seasonal Variations in Medium Wave Reception

by Bruce Portzer

It's a well-known fact that medium wave reception varies considerably throughout the year. This fact is even more noticeable in foreign DX than domestic DX. A number of guidelines and rules-of-thumb exist as to when stations in certain parts of the world are best heard in North America. However, there is something to be said for a quantitative measure of the degree of success achievable at a given time of the year.

The best method I've been able to come up with is to count the number of loggings in each of the IRCA foreign logs. While it was a rather time-consuming task, it produced some interesting results, as shown in the graphs in this article. The plots were made for Transpacific (Asian) stations, Transatlantic stations, South Americans south of the equator, and Down Under stations. Subequatorial Africans were not included due to a near lack of loggings. Colombia, Venezuela, the Caribbean, and Central America/Mexico weren't included either, due to their proximity to the U.S. (How many DXers in Florida really want to know when Cuba comes in best?).

For the purpose of this article, a logging is defined as a station being heard at least once on a particular day by at least one DXer. If it was reported on the same day by five DXers, it counts as one logging. But if it was heard by one DXer on five days, it counts as five loggings. I counted up the total number of loggings from IRCA Foreign Logs 1 through 7 on a month-by-month basis. For example, a total of about 550 loggings were made of Transpacific stations during October of those 7 years, or about 80 during each October. I considered making the resolution on these charts a bit finer (like weekly or daily) but it was enough of a grindout as it was and I kinda wanted to maintain my sanity.....

## TRANSPACIFIC

Reception of transpacific stations is shown in Figure 1. The results pretty well agree with the subjective impressions of most TP DXers. Reception is almost nil during the late spring and early summer, is best by far in the fall, drops off in January and February, and makes a brief resurgence in March. This figure shows only loggings made before the Nine Kilohertz spacing went into effect in the far east; most of the stations over there operated on the same frequencies as domestics and a few were on splits. I wouldn't expect any major differences in the pattern for "nine kilohertz era" loggings.

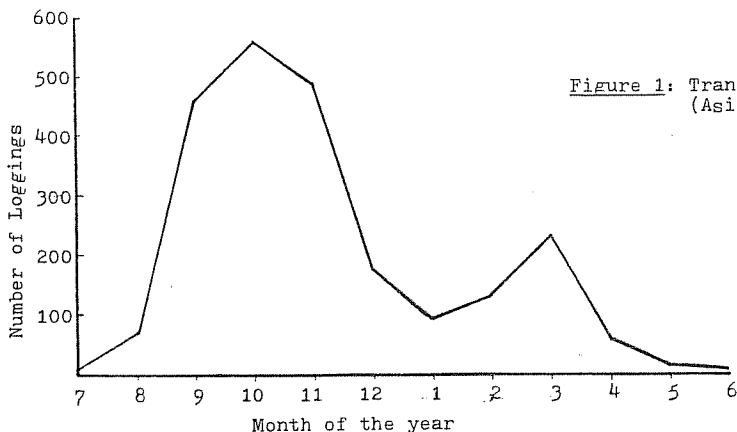


Figure 1: Transpacific  
(Asia and Alaska)

## TRANSATLANTIC

The results here are a little different from the Transpacifics. As shown on Figure 2, reception is very poor during the summer, rises to a peak in October, and then gradually tapers off during the rest of the DX season. The slight dip in November is apparently a statistical anomaly: only ten TAs were reported to DX Worldwide in November 1975, even though a hundred or so are normally reported in November. If 100 loggings were added to November's total, the curve would be a bit smoother and probably more realistic.

There is no mid-winter dip in this curve, like the one in the Transpacific curve. There are any number of explanations for this result. One might center around the reporting habits of eastern versus western DXers. Another is that the distance from Asia to the west coast is greater than from Europe to the east coast --- which suggests that TP signals might fade below an oblivion threshold while TAs are still audible. The best explanation, however, is that the most reliable TA signals are from Iberians and North Africans, which reach a maximum latitude of less than 50 degrees on their way to eastern North America. Asians and North European signals, on the other hand, reach a maximum latitude somewhere between 50 and 60 degrees and are more likely to be attenuated by auroral disturbances than the lower latitude TA signals. Anyone care to do a study of high-latitude versus low-latitude TA paths?

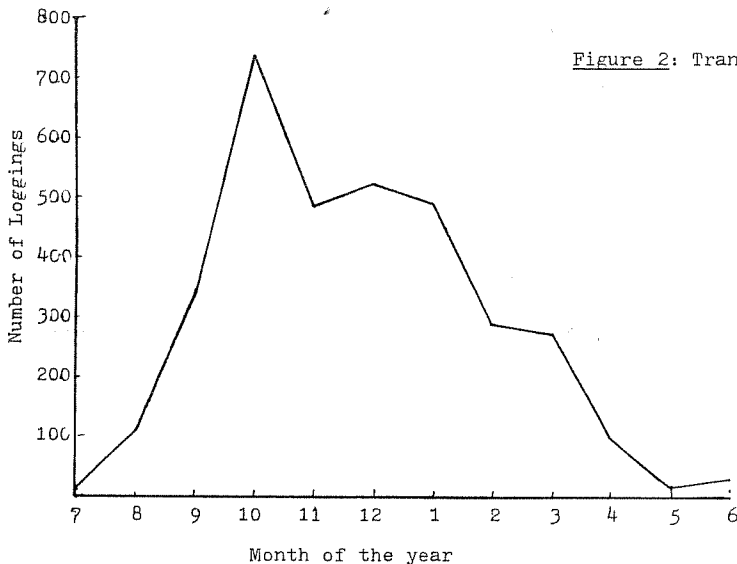


Figure 2: Transatlantic

## SOUTHERN SOUTH AMERICA

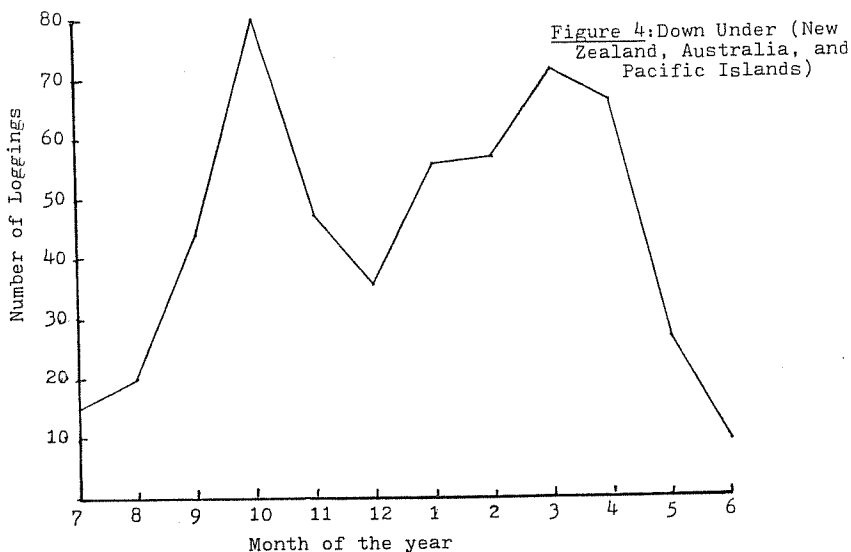
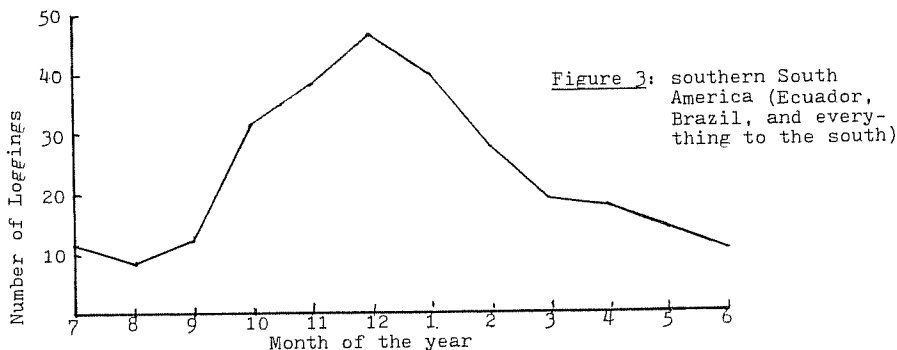
Figure three shows the reception pattern for stations in Ecuador, Peru, Brazil, Argentina, and other southern South Americans. Since these paths generally cross the equator, one would first expect reception to be best at the spring and autumn equinoxes. In reality, it's a relatively symmetric pattern which peaks in December. The reason is probably that this category is dominated by Ecuadorians, Peruvians, and Brazilians, for whom the path midpoints are far north of the Equator. Of the more southerly countries, Bolivia, Uruguay, and Paraguay are extremely rare, Chile was reported about a dozen times during those seven years, and Argentina only slightly more often. It's worth mentioning that most of the Chilean loggings occurred in Western North America between May and August.

## DOWN UNDERS

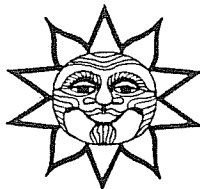
Figure 4 shows the seasonal variation in receptions of South Pacific stations. Unlike the South Americans, the path midpoints are near the equator (I didn't include Hawaii in these totals). The results show very sharp peaks near the autumn and spring equinoxes. Summer reception was a little more frequent than for the other three categories examined.

It would probably be interesting to compare the results in figure 4 with the loggings which have been made since the nine kilohertz plan went into effect down there. Reception from this part of the world has increased more than any other since the plan went into effect. For example, during a July, 1979, DXpedition to Jordan River, B.C., Nick Hall-Patch and I heard several dozen DU signals --- a bit more than the combined 15 loggings made between 1971 and 1978!

I would also find it interesting to examine reception patterns of Pacific Island stations (Tonga, Fiji, etc.) versus Australian and New Zealand stations. It's been my experience that reception of one does not ensure reception of the other.



# MIDDAY D X RECORDS



## the 50's

Gerry Thomas

P.O. Box 2036

Pensacola, FL 32503

Before beginning, I'd like to extend my sincerest condolences to the friends and family of Mort Meehan and dedicate this column to his memory.

I apologize for the delay in getting this "50's" column into print but the computer I use for calculating Great Circle distances was down for almost a month and, somehow, I couldn't convince myself to do the calculations by hand, hi.

We've got lots of loggings from far and wide this time, so.....

STN (QTH)	PATH	DX'ER (QTH)	DATE	DISTANCE	POWER
----- 550 -----					
WGNG (RI).....Sea....C. Taylor (Bermuda).....			Reg.....	755 mi.....	1000w
KFYR (ND).....Land...Alvi (SK).....			Winter.....	457 mi.....	5000w
CFNB (NB).....Sea....Connelly <sup>a</sup> (MA).....			Reg.....	346 mi.....	50000w
CFJC (BC).....Land...Portzer <sup>a</sup> (WA).....			???	230 mi.....	10000w
KFYR (ND).....Merrill <sup>a</sup> (MN).....	[446 mi]	(5kw)	KFYR (ND).....Townshend <sup>b</sup> (MN).....	[383 mi]	(5kw)
KOY (AZ).....Mittman (CA).....	[363 mi]	(5kw)	WGR (NY).....Mount <sup>a</sup> (OH).....	[307 mi]	(5kw)
WGNG (RI).....Connelly <sup>e</sup> (NS).....	[305 mi]	(1kw)	WSVA (VA).....Mount <sup>c</sup> (NJ).....	[280 mi]	(5kw)
KAFY (CA).....Allen (CA).....	[250 mi]	(1kw)	KOY (AZ).....Meehan (CA).....	[233 mi]	(5kw)
WDEV (VT).....Connelly <sup>a</sup> (MA).....	[224 mi]	(5kw)	KOAC (OR).....Portzer <sup>a</sup> (WA).....	[214 mi]	(5kw)
KAFY (CA).....Meehan (CA).....	[189 mi]	(1kw)	KAFY (CA).....Mittman (CA).....	[121 mi]	(1kw)
----- 650 -----					
WSM (TN).....Sea....C. Taylor (Bermuda).....			Reg.....	1290 mi.....	50000w
HIAT (DR).....Sea....C. Taylor (Bermuda).....			Reg.....	1015 mi.....	25000w
KIKK (TX).....Land...Thomas (FL).....			10/1/80.....	479 mi.....	250w
WSM (TN).....P. Taylor <sup>c</sup> (FL).....	[819 mi]	(50kw)	WSM (TN).....Townshend <sup>b</sup> (DC).....	[569 mi]	(50kw)
WSM (TN).....Barfield (FL).....	[397 mi]	(50kw)	WSM (TN).....Thomas (FL).....	[397 mi]	(50kw)
WSM (TN).....Hogan (IL).....	[385 mi]	(50kw)	WSM (TN).....Onyschuk (IL).....	[349 mi]	(50kw)
WSM (TN).....Mount <sup>a</sup> (OH).....	[338 mi]	(50kw)			
----- 750 -----					
WSB (GA).....Sea....C. Taylor (Bermuda).....			Reg.....	1146 mi.....	50000w
WBMD (MD).....Sea....Connelly <sup>b</sup> (MA).....			Reg.....	379 mi.....	1000w
KXL (OR).....Meehan (CA).....	[862 mi]	(50kw)	KXL (OR).....Alvi (SK).....	[854 mi]	(50kw)
WSB (GA).....Hogan (IL).....	[580 mi]	(50kw)	WSB (GA).....Barfield (FL).....	[284 mi]	(50kw)
WSB (GA).....Thomas (FL).....	[284 mi]	(50kw)	WHEB (NH).....Connelly <sup>e</sup> (NS).....	[256 mi]	(1kw)
WHEB (NH).....Connelly <sup>e</sup> (NY).....	[149 mi]	(1kw)	KMMJ (NE).....P. Taylor <sup>d</sup> (KS).....	[143 mi]	(1kw)
KXL (WA).....Portzer <sup>a</sup> (WA).....	[142 mi]	(50kw)			
----- 850 -----					
KOA (CO).....Land...Alvi (SK).....			2/80.....	865 mi.....	50000w
WRAP (VA).....Sea....C. Taylor (Bermuda).....			Reg.....	724 mi.....	5000w
KTAC (WA).....Land...Allen (CA).....			1/8/80.....	630 mi.....	10000w
KILO (HI).....Sea....P. Taylor <sup>e</sup> (HI).....			12/57.....	211 mi.....	1000w
XZEF (BCN).....Land...Mittman (CA).....			Yr Rnd.....	182 mi.....	250w
WHDH (MA).....C. Taylor (Brmd).....	[775 mi]	(50kw)	WHDH (MA).....Connelly <sup>f</sup> (NS).....	[441 mi]	(50kw)
WRAP (VA).....Connelly <sup>c</sup> (MA).....	[458 mi]	(5kw)	WRAP (VA).....Kazaross <sup>b</sup> (RI).....	[414 mi]	(5kw)
WYDE (AL).....Thomas (FL).....	[216 mi]	(10kw)	WMAG (MS).....Thomas (FL).....	[189 mi]	(10kw)
WJW (OH).....Mount <sup>a</sup> (OH).....	[145 mi]	(10kw)	XZEF (BCN).....Meehan (CA).....	[106 mi]	(.25kw)
----- 950 -----					
WROL (MA).....Sea....Connelly <sup>e</sup> (NS).....			8/75.....	280 mi.....	5000w
WLSQ (AL).....Land...Thomas (FL).....			Reg.....	146 mi.....	1000w
XEGM (BCN).....Land...Meehan (CA).....			Reg.....	124 mi.....	10000w
WBKH (MS).....Thomas (FL).....	[137 mi]	(5kw)			
----- 1050 -----					
WHN (NY).....Sea....C. Taylor (Bermuda).....			Reg.....	777 mi.....	50000w
WCMS (VA).....Sea....Kazaross <sup>a</sup> (RI).....			Reg.....	414 mi.....	5000w
WZJ (IL).....Land...Hogan (IL).....			Yr Rnd.....	189 mi.....	1000w
XED (BCN).....Land...Mittman (CA).....			Reg.....	182 mi.....	10000w
KBBV (CA).....Land...Mittman (CA).....			Yr Rnd.....	93 mi.....	250w
WHN (NY).....Connelly <sup>e</sup> (NS).....	[463 mi]	(50kw)	WBNC (NH).....Connelly <sup>a</sup> (MA).....	[170 mi]	(1kw)
CFGP (AB).....Horne (BC).....	[118 mi]	(10kw)	XED (BCN).....Meehan (CA).....	[106 mi]	(10kw)
WLIP (WI).....Hogan (IL).....	[63 mi]	(.25kw)			



STN (QTH)	PATH	DX'ER (QTH)	DATE	DISTANCE	POWER
-----1150-----					
WDEL (DE)	Sea	C. Taylor (Bermuda)	Reg	794 mi	5000w
CKX (MB)	Land	Alvi (SK)	2/80	335 mi	10000w
XERM (CA)	Land	Mittman (CA)	Yr Rnd	182 mi	1000w
WTMP (FL)	Thomas (FL)	[335 mi] (5kw)	CHSJ (NB)	Connelly <sup>a</sup> (MA)	[325 mi] (10kw)
WDEL (DE)	Connelly <sup>b</sup> (MA)	[314 mi] (5kw)	KAGO (OR)	P. Taylor <sup>a</sup> (CA)	[312 mi] (5kw)
WGGH (IL)	Hogan (IL)	[280 mi] (5kw)	WJRD (AL)	Thomas (FL)	[195 mi] (5kw)
KISS (CA)	Meehan (CA)	[126 mi] (5kw)	XERM (BCN)	Meehan (CA)	[106 mi] (1kw)

-----1250-----					
WDAE (FL)	Sea	Thomas (FL)	Yr Rnd	335 mi	5000w
WMTR (NJ)	Mount <sup>b</sup> (NY)	[116 mi] (5kw)	WGUI (ME)	Connelly <sup>a</sup> (MA)	[229 mi] (5kw)
WMTR (NJ)	Connelly <sup>b</sup> (MA)	[234 mi] (5kw)	WDAE (FL)	P. Taylor <sup>c</sup> (FL)	[212 mi] (5kw)

\*The preceding are all out of order...sorry.

-----1350-----					
WNIS (VA)	Sea	Connelly <sup>a</sup> (MA)	Reg	469 mi	5000w
CJDC (BC)	Land	Horne (BC)	Yr Rnd	176 mi	1000w
WNIS (VA)	Kazaross <sup>b</sup> (RI)	[409 mi] (5kw)	KRLC (ID)	Portzer <sup>b</sup> (WA)	[340 mi] (5kw)
WHWH (NJ)	Connelly <sup>a</sup> (MA)	[250 mi] (5kw)	WSMB (LA)	Thomas (FL)	[176 mi] (5kw)
WLNH (NH)	Connelly <sup>a</sup> (MA)	[143 mi] (5kw)	WXCL (IL)	Hogan (IL)	[117 mi] (1kw)
WSLR (OH)	Mount <sup>a</sup> (OH)	[117 mi] (5kw)	KIVM (HI)	Portzer <sup>c</sup> (HI)	[108 mi] (5kw)

-----1450-----					
BED4B (Taiwan)	Sea	P. Taylor <sup>f</sup> (HK)	12/11/79	393 mi	3500w
WIIN (NJ)	Sea	Connelly <sup>a</sup> (MA)	Reg	273 mi	1000w
KLBM (OR)	Portzer <sup>a</sup> (WA)	[256 mi] (1kw)	WRKD (ME)	Connelly <sup>a</sup> (MA)	[177 mi] (1kw)
WIIW (LA)	Thomas (FL)	[176 mi] (1kw)			

-----1550-----					
WVAB (VA)	Sea	C. Taylor (Bermuda)	Reg	710 mi	5000w
KKHI (CA)	Land	Portzer <sup>a</sup> (WA)	???	678 mi	10000w
KUAT (CA)	Land	Meehan (CA)	Reg	322 mi	50000w
WDLR (OH)	Land	Mount <sup>a</sup> (OH)	10/78	74 mi	500w
KQWB (ND)	Alvi (SK)	[575 mi] (5kw)	WNTN (MA)	Merrill <sup>b</sup> (PEI)	[479 mi] (10kw)
WVAB (VA)	Connelly <sup>b</sup> (MA)	[453 mi] (5kw)	WYOU (FL)	Thomas (FL)	[335 mi] (10kw)
WNTN (MA)	Connelly <sup>e</sup> (NS)	[286 mi] (10kw)	WVAB (VA)	Mount <sup>a</sup> (NJ)	[157 mi] (5kw)
KGAR (WA)	Portzer <sup>a</sup> (WA)	[114 mi] (10kw)			

#### Take a bow:

Gene Allen, Vallejo, CA\*\*\*HQ-129X/SM-1, 4' loop  
 Jamil Alvi, Saskatoon, SK\*\*\*DX-160, TRF/1w, loop  
 Charlie Barfield, Pensacola, FL\*\*\*Modified TRF/90' 1w  
 Mark Connelly<sup>a</sup>, from W. Yarmouth, MA\*\*\*R390A, HQ180A/phased 1w's  
 Mark Connelly<sup>b</sup>, from Dennisport, MA\*\*\*Car rx/whip  
 Mark Connelly<sup>c</sup>, from Nantucket, MA\*\*\*Car rx/whip  
 Mark Connelly<sup>d</sup>, from Montauk, NY\*\*\*Car rx/whip  
 Mark Connelly<sup>e</sup>, from Clarke's Harbour, NS\*\*\*Car rx/whip  
 Mark Connelly<sup>f</sup>, from Truro, NS\*\*\*Car rx/whip  
 Michael L Hogan, Burnham, IL\*\*\*???

Ken Horne, Fort St. John, BC\*\*\*Trio 95-4J/15' 1w  
 Neil Kazaross<sup>a</sup>, Pawtucket, RI\*\*\*R390A/Sanserino loop, Beverages  
 Neil Kazaross<sup>b</sup>, from Narragansett, RI\*\*\*Modified TRF/1300', 197° Beverage  
 Mort Meehan, 29 Palms, CA\*\*\*NC-173/Sanserino loop; RF-2600/150' inverted-L  
 Frank Merrilla, from Rochester, MN\*\*\*Car radio/whip  
 Frank Merrill<sup>b</sup>, from Tryon, PEI\*\*\*Car radio/whip  
 Steve Mittman, San Pedro, CA\*\*\*TRF, FRG-7/3' Wedge  
 Paul Mount<sup>a</sup>, from Nelsonville, OH\*\*\*TRF  
 Paul Mount<sup>b</sup>, from Shelter Island, NY\*\*\*TRF  
 Paul Mount<sup>c</sup>, from Wildwood Crest, NJ\*\*\*TRF  
 Ken Onyschuk, from Peoria, IL\*\*\*TRF, GE Superadio  
 Bruce Portzer<sup>a</sup>, Seattle, WA\*\*\*HQ-180A, FRG-7, NC-120, SX96/loops & 1w's  
 Bruce Portzer<sup>b</sup>, from Westport, WA\*\*\*HQ-180A/1000' E-W Beverage  
 Bruce Portzer<sup>c</sup>, from Waikiki, HI\*\*\*Sanyo portable  
 Charles Taylor, St. Davids, Bermuda\*\*\*R390A/100' 1w; SPR-4/SM-2  
 Pete Taylor<sup>a</sup>, San Francisco, CA\*\*\*HQ-160/50' 1w  
 Pete Taylor<sup>b</sup>, from Boston, MA\*\*\*R390  
 Pete Taylor<sup>c</sup>, from Miami, FL\*\*\*Motorola portable  
 Pete Taylor<sup>d</sup>, from Russell, KS\*\*\*Car radio (?)

Pete Taylor<sup>e</sup>, from Hilo, HI\*\*\*HQ-180  
 Pete Taylor<sup>f</sup>, from Hong Kong\*\*\*ICF-6700W  
 Gerry Thomas, Pensacola, FL\*\*\*SPR-4, FRG-7, Superadio/600' 1w, 90m dipole, loops  
 Bill Townshend<sup>a</sup>, Washington, DC\*\*\*TRF  
 Bill Townshend<sup>b</sup>, from Minneapolis, MN\*\*\*TRF

A special welcome to newcomer Michael Hogan! Since I've gone over my two-page limit anyway, let me take a little more space to explain the guidelines for reporting to this column. First of all, it isn't necessary for you to calculate Great Circle distances as I have access to a computer (that usually is reliable) and will be happy to calculate them for you. You can make my job much easier, however, by following the general format above and by including the location (i.e., city and state) of the station as well as its listed power. Much of the 16 to 18 hours I spend getting a column camera-ready is devoted to looking up station locations, power listings, and the geo-coordinates of towns, hamlets, and bends in the road. Any assistance in either or all of these areas when submitting a report will be appreciated. Loggings that qualify for inclusion in this column are those made during the daylight hours between two hours after your local sunrise and two hours before your local sunset---roughly a broad "midday" definition. The best (i.e., most distant) loggings for each power category are printed with full information, while those of merit but of lesser distances are recorded in abbreviated form. I usually edit loggings of under 100 miles unless they are the best of a power category.

So turn on your radio the next time you're home from school or work during the day and check conditions. This is the season of low atmospheric noise and midday ionospheric skip, don't miss it.

I know I've been threatening to print a "Midday DX Totals" column for the past several months; well, next time it happens. If you haven't sent in your midday totals (i.e., total stations heard, total states heard, total countries, provinces, etc.), send them in before the next deadline. The "60's" and "totals" are due here three weeks after the masthead date of this DX Monitor.  
 73's---GT



## Western DX Forum

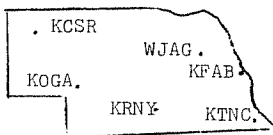
★★★★

IRCA—Serving the Broadcast Band DX'er Since 1964

Editor: Ric Heald • 814B Ohio Street • Vallejo, California 94590 USA

1980/1 Deadlines—Every **Wednesday** 10 Days Prior to Publication Date through 18 March 1981

(Note: **Tuesday** Deadlines Prior to U.S. Holidays and 3-Day Weekends!)



STEVE MITTMAN, 2248 W. 37th ST., SAN PEDRO, CA 90732 - 14 December 1980

Yoko Ono, John Lennon's wife, asked for ten minutes of silent meditation in John's honor on Sunday, 14 December, starting at 2 PM ELT. The following stations were noted with OC during the vigil: 1190 KEZY Anaheim; 1110 KRLA Pasadena; 960 KAVR Apple Valley (five minutes only).

Additionally, the program director for KACY 1520 Port Hueneme said that originally they had planned to sign off for those ten minutes, but instead he'd like to present "a little something" he put together to help inspire.

During the vigil the following stations were noted with Beatles/Lennon music as part of the so called "Love Network." People were asked to lower their windows and turn up the volume on their radios in order to flood the entire country with his music: 1550 XEBG Tijuana; 1520 KACY Port Hueneme; 1480 KWIZ Santa Ana; 1440 KUHL Santa Maria; 1340 KIST Santa Barbara; 1190 KEZY Anaheim (after open carrier); 1000 KMLO Vista; 960 KAVL Apple Valley (after open carrier); 850 KGOE Thousand Oaks; 760 KFMB San Diego; 640 KFI Los Angeles; 600 KOGO San Diego; 550 KAFY Bakersfield.

Ten minutes wasn't much time to do midday DX, though in KEZY's open carrier null I did manage to hear very faint Spanish, which almost certainly had to be XEMBC Mexicali, BCN; a station I've long wanted to hear. I don't normally count stations without IDs, but I might take an exception in this case. I haven't decided yet. Also noted during this time was a 960 KNEZ Lompoc (Lahm-poke) format changed to Spanish. 73 and happy new decade, to all!

GARY LARSON, 2806 LINCOLN, BURBANK, CA 91504 - 17 December 1980

Not much to say except I hope all IRCA members had a fantastic Christmas and a great and prosperous 1981.

Was good to talk to Rth a few days ago. He filled me in on KNBA and reception conditions in Vallejo as opposed to San Francisco. Good luck at 1190 KNBA, Rth, in 1981. (Thanks Gary-Rth.) And to the Seattle Publishing Committee, thanks for a great 1980; looking forward to 1981. 73.

BILL HARMS, UNIVERSITY STATION, P.O. BOX 7428, PROVO, UT 84602 - Part I

I haven't disappeared; I've been buried in my books for the last month or so. Now that it's Christmas break, I'll be bale to DX a bit more and I'll try to catch up with my overdue correspondence.

Sunset DX has netted some new catches, such as: KOFY 1050, KWSO 1050 (still no KBBV; what's their antenna pattern?) (Non-directional-Rth.) Also have logged KIRV 1510, KTIM 1510 and KELY 1230.

Has KIRV changed power? They have become a sunset skip pest lately. Another sunset skip pest is KIBS 1230. They roll in here nearly every evening with information for tourists and hunters.

On the foreign DX front. . .846 has really come to life. 846 R. Veritas Asia (DWRV) bombed in a couple of weeks ago with an excellent ID and a man talking in Tagalog. Also, half-an-hour later the 846 NHK sychros were bombing in with a comedy show of some sort. A report is off to them.

Other than that, TP, DU DX has been anything but good when I try. I hope everyone had a good holiday season. 73 de WJH.

RIC HEALD, 814B OHIO ST., VALLEJO, CA 94590 Tele-Forum: (707) Midway 4-0700 to 2200 PLT and prepaid - 23 December 1980

A belated New Year's greeting to all. I hope that this year will be the best yet for everyone.

Noise level around Vallejo continues to be abnormally high. We've had another rainstorm, but that didn't seem to help. So I DX (which is very infrequently with all the noise) I have to hold the SM-2 in one spot to eliminate the noise.

Only "new" DX has been KBRJ 950 Boise. I say "new" because they haven't been heard in several years. From San Francisco, looping toward Boise was also looping toward KABL's transmitter. Here, I null KABL with the loop aimed at Boise.

Mr. Portzer, our CE was duly impressed with your reception of KNBA from the Seattle area. Duly impressed, that is, until he learned you were using a Beverage, hi. He says Beverages were commonplace in the Pacific during World War II. As for your remark regarding a sign off two minutes after scheduled sign off time; daytimers, you know, have a two minute grace period in which to sign off. Furthermore, our clock is not set to WWV, unfortunately, but to Mutual so that we may cue in the news at the top of the hour. So if Mutual is off, so are we.

By the way (sit down Phil, hi), KNBA is now making a concerted effort to go fulltime. I know most of the details, but unfortunately, no comment from me yet. And those that know me know what a hard time I'm having trying to keep my yap shut, hi.

A small column this week. Usually happens around the Holidays. Remember, you can never send me too much work, so why not drop a forum, regardless of length, into the mail today?

By the time this hits print, New Year's will have come and gone, and yours truly drew the Noon to 5.15 PM sign off shift for that day. So in 1981, may all your DX be what you've always wanted to hear. 73 de Rth. .



THE INTERNATIONAL RADIO CLUB OF AMERICA

A non-profit organization devoted to the hobby of listening to distant radio stations on the AM broadcast band (510 to 1630 kHz). IRCA is a member of ANARC, the Association of North American Radio Clubs.

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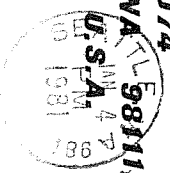
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**IRCA**

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**First Class**

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PLEASE RENEW EARLY.

