

DX News

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Volume 62, No. 17 - January 30, 1995 (ISSN 0737-1659)



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CPC Test Calendar

CFRY	920	Jan. 30, 1995	0100-0130
WAMR	1320	Jan. 30, 1995	0130-0200
KIYU	910	Feb. 6, 1995	0500-0530
WWOL	780	Feb. 11, 1995	0200-0400
KNZZ	1100	Feb. 12, 1995	0300-0330
KGYN	1210	Feb. 13, 1995	0200-0230
WREN	1250	Feb. 14, 1995	0100-0200
KERR	750	Feb. 20, 1995	0200-0230

WWOL-780 - 1263 West Main - Forest City, NC 28043 will conduct a DX test on Monday, Feb. 6, between 2:00 and 4:00 am EST. The test will include voice ID's, Morse code ID's, and march music at 10 kW with a non-directional antenna. Reception reports may be sent to Mr. Julius Blanton, Engineer. Arranged by J. D. Stephens for the IRCA CPC.

KNZZ-1100 - 1360 E. Sherwood Drive - Grand Junction, CO 81501 will conduct a DX test on Saturday, Feb. 11 between 3:00 and 3:30 am EST. The test will include Morse code ID's at 10 kW with the daytime antenna pattern. Reception reports may be sent to Mr. Dwight Morgan, CE. Arranged by J. D. Stephens for the IRCA CPC.

KGYN-1210 - P. O. Box 130 - Guyton, OK 73942 will conduct a DX test on Monday, Feb. 13, between 2:00 and 2:30 am EST. The test will include voice and Morse code ID's at 10 kW. Reception reports may be sent to Mr. Bill Weldon, PD. Arranged by J. D. Stephens for the IRCA CPC.

From the publisher ... Musings from the Members must be somewhere in the mail, and AM Switch is absent due to the federal holiday on January 16, Martin Luther King Day.

Thanks to Mike Sanburn, John Wilkens, and Olle Alm, who've recently sent station logos and more than tripled the stock on hand.

We welcome Bill Swiger to the crew of NRC volunteers. The volume of reprints has tripled in the past two years, to more than 1,500 pages being sent out each month from the Publications Center, and Bill will be helping Ken Chatterton out. Orders still should go to Mannsville, NY, however.

This issue happens to mark the 200th DXN assembled at Topeka, and although it does take some time to crank out DXN's to you from the heart of the U. S., I'd like to thank all those editors and other

volunteers, some who've been contributing their efforts for many more years than I, for their help, advice, encouragement, and cooperation during the last 6+ years.

On a sadder note, we've learned that the Association of DX Reporters will publish its last issue in February. After the Newark News Radio Club folded, ADXR, headed by Reuben Dagold, re-grouped and continued publishing. However, Dagold cited dropping membership and rising costs as the reasons for ADXR's demise. We regret the loss of ADXR, as the loss of any radio club diminishes us all.

Bill Hardy notes that CompuServe's HamNet forum has added a new section devoted to AM-FM-TV DXing. CompuServe members can "Go HamNet" and browse Section 21, Broadcast/DX. Bill has been posting up-to-date DX tests each weekend on CompuServe and Prodigy (jump "Hobbies bb," topic "More Radio Hobbies"). IRCA's Lynn Hollerman has been posting DX tests on America Online (keyword "Ham Radio," message center, to Short Wave Radio, to AM-FM Radio DX'ing) and on FidoNet.

Welcome to these new members ... Matthew C. Sittel, Asheville, NC; Lynn Simons, Birmingham, AL; Victor Garcia-Rivera, Fairfield, OH; Al Buckalew, San Francisco, CA (rejoins); and Richard W. Turner, N. Dartmouth, MA (rejoins).

DX Time Machine

From the pages of *DX News*:

50 years ago ... from the Jan. 27, 1945 DXN: Members Stan Morris and Phil Nichols reported that the studios of WAGM-1450 were burned in a \$500,000 fire that swept through the biggest business building in Presque Isle. The fate of the reports on their recent DX program was unknown, but listeners were advised to keep their reception notes if duplicate reports were needed.

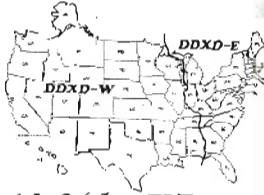
25 years ago ... from the Jan. 24, 1970 DXN: Glenn Hauser sent in a lengthy report of DX heard from Korat, Thailand ... Dave Fischer's article on direct-coupled loops also appeared.

10 years ago ... from the Jan. 28, 1985 DXN: Don Erickson's DDXA, this month by total verified, showed Hank Holbrook with 2049; Robert Kramer with 2038; Frank Wheeler with 1654; Peter Clarus at 1449; Karl Jeter, 1193; Ron Musco, 1083; Wayne Heinen, 998; Ray Arruda, 900; Niel Wolfish, 537, and Dennis Pimper, 400.

Domestic DX Digest

West: Bill Hale MTFH12A@Prodigy.com
495 Creekvlew Drive - Meridian, ID 83642-3241

(Division line is
between East and
Central time zones)



East: Dave Braun 73520,657@compuserve.com

11 Mill Bend Acres - Wyoming, DE 19934-9523

DX Catches in the U. S. and Canada, with 24-hr. FLT

DDXD-West

MEDIUM WAVE RAMBLINGS

- Two more new voices are heard this week in DDXD-W. We welcome Mike Riordan of Salt Lake City, who checks in with a couple of doggone decent loggings. Will be looking for more DX reports from the Wasatch Front, Mike!! And Rich Hachett of Palo Alto, California gets a tip of the DDXD-W hat for his fine initial report. "ELT" is Eastern Listening Time, Rich.
- Deadlines are "just Saturday" until the end of February, when we get into the non-weekly schedule again. So, get your loggings and tips here on time, to be of greatest benefit to other DXers.

REPORTERS

- TS-MI Tom Sanders Davison heard via tapes from California
JW-OR Jack Woods Waldport Lowe HF 225E, ALN-1 untuned loop, Palomar Loop amplifier w/homebrew box loop
MR-UT Mike Riordan Salt Lake City RF-2200 barefoot
KGS-BC Gray Scrimgeour Victoria Sony ICF-2010 with unamplified loop
JEL-MO J.E. Lewis Kansas City Sangean 803A with Select-A-Tenna
NAP-AL Neal Perdue Madison ICF-SW30, McCintock Black Box Loop
AM-WA Atsushi Masamune Seattle JRC-NRD-525 w/KIWA air core loop
RH-CA Rich Hachett Palo Alto ICF-2010 + KIWA Loop
JJR-WI John Rieger South Milwaukee ICOM IC-R70, Kenwood R-1000 with Kowalski Loops; Drake SW8 awaiting KIWA Loop; RF2200, RF2900 with Radio West loop; Superadio & Realistic DX-380. Whew! [Whew! is wright - Ed.]
BR-CA Bruce Reynolds San Jose GE Superadio II
JE-MN Jon Ellis Maple Grove
TR-IL Thomas Reiser Chicago ICF-2003
TR-IL2 Thomas Reiser Manteno ICF-SW7600
Ed-ID Editor Meridian Delco AMS/FMS ETR or *ICF-2010



SPECIAL

- 920 KQLO? NV Reno - This one has been noted since 1/8 simulcasting KWNZ 97.3. No legal ID heard, so don't know if the AM call has changed. (BR-CA)
1060 WRHL IL Rochelle - Carries USA news at the bottom of the hour and USA sports at :45. Almost non-stop music for the first half of the hour. (JE-MN)
1200 WOAI TX San Antonio - Heard signing on 1/15 0559. Are they not NSP? (NAP-AL)
1260 WBND KY Florence - Format is now all sports, new calls will come. (JE-MN)
1400 KLBB MN St. Paul - Now carries CNN News on the hour. Does not carry either of the networks listed in the log. Same applies to WLOL-1470. (JE-MN)
1410 KRML CA Carmel - KLON-FM Long Beach, has, for the past several months, been giving station breaks and legal IDs for KRML during Saturday and Sunday afternoon *Nothin' But The Blues* shows, and uses the slogan *Jazz and Blues from Big Sur to Santa Cruz* when IDing KRML. Do they simulcast KLON-FM fulltime? NBTB is the only show I hear, via tape. (TS-MD) [Well, c'mon, Bay Area members. What's the scoop on KRML? - Ed.]
1470 WLOL MN Brooklyn Park - See 1400.
1480 KRXR ID Gooding - Now OLD from Jones Satellite Network. 24 hours, NSP. Heard while in Mountain Home 1/10, and called 1/11 to verify. Slogan: *Good times and great oldies*. Other Log data remains correct. [Ed-ID]
1570 CKEG BC Nanaimo - 1/14 1930 - Just noticed that CHUB has vacated 1570; CKEG is now there with C&W, IDing as C-Keg 1570. They are running // 1350. Fuller IDs say C-Keg Radio broadcasting on 1570 and 1350. At this time of day, 1570 is slightly stronger. (KGS-BC)

DX AND EQUIPMENT TESTS

- 910 WSUI+ IA Iowa City - 1/9 0119+ - Well heard, with song about Iowa City, zany songs and commentary, Dixieland, BBD, code, and 2 legal IDs. We are conducting this test for (NRC). New. (NAP-AL)
WSUI+ IA Iowa City - 1/9 0100 - Fair, with voice and code IDs, some mentioning IRCA. OLD and current station IDs. (TR-IL)
930 KIUP+ CO Durango - 1/7 0715-0745 - One full, and several partial voice IDs, Morse code and march music heard thru KKHJ/KSEI. (BR-CA)
970 WWSW- PA Pittsburgh - 1/2 0000 - Not heard. (TR-IL2)
1090 KTNS- CA Oakhurst - 1/8 - DX Test was not heard. Needed here. (BR-CA)
1450 CHEF- PQ Granby - 1/2 0000 - Not heard. (TR-IL2)



TIS & OTHER STUFF

- 1610 WNX470 CA San Francisco - 12/22 0808 - Good with call sign and traffic and parking information for San Francisco International Airport. (JW-OR)

MIDNIGHT TO 0800 HOURS ELT

- 530 CKHL AB High Level - 12/31 0315-0346 - First time to get clear audio over a strong local KOD773. *Country Music Radio* program but local ads and IDs for 610-CKYL and 530-CKHL. I'd heard CKYL an hour earlier. (KGS-BC)
560 KLVI TX Beaumont - 1/5 0500 - Full ID (CLs, city, state), news by Fred Lowery. (NAP-AL) [Fred Lowery does NBC News, so that's an add/change to the Log - Ed.]
640 WCRV TN Collierville - 1/8 late night - CLs into news with a REL slant. No Cuba tonight and too early for KFI. Last heard as WMSO. (NAP-AL)
720 KSAH TX Universal City - 1/2 0717 - Poor, presumed to be them, with SS vocal music, SS talk. Looped NW-SE. During KDWN SP. Faded by 0725 when WGN came in. (JW-OR)
840 WHAS KY Louisville - 1/6 0250 - I know they're 50 kw, but this is my distance record (2440 miles) to date. Program was oldies, with an ad for *WHAS Explorer Tour to Ireland*. (RH-CA)
950 KOZE ID Lewiston - 1/13 0758-0801 - Poor, with OLD, KOZE Lewiston ID, SNN News. Thanks to late KKIC sign-on. [Ed-ID*]
1010 KSYG AL Little Rock - 1/5 0300 - CLs, . . . *the Arkansas Signal*. Ex: KBJB and KLRA. (NAP-AL)
CFRB ON Toronto - 1/5 0330 - Talk and CLs. (NAP-AL)
1030 KMAS WA Shelton - 1/4 0206 - Was giving KTWO a battle and sometimes winning. First time heard at night here, so I wonder if they were on day power or pattern? (BR-CA)
1070 CHOK ON Toronto - 1/8 0055 - Promo for station (a sponsored trip to Alaska), CLs. (NAP-AL)
1150 KIMM SD Rapid City - 1/9 0119 - In alone & weak, though clear, with *News-Talk* promos. Into satellite talk. (JJR-WI)
1190 KBCO CO Boulder - 1/9 0045 - Good signal, with AOR and 97.3 KBCO IDs. New. (JJR-WI)
1210 KGYN OK Guymon - 1/8 0110 - CLs, . . . *the Information Station for the five-state area* (or region). (NAP-AL)
KLDI WY Laramie - 12/28 0400 - With IRN and ID at :00 followed by C&W music. (RH-CA)
1300 WMTM GA Moultrie - 1/8 0559 - Sign-on one minute early, with legal AM/FM ID, mentioning both are stereo. (NAP-AL)
WJSH IN Terre Haute - 1/8 0600 - Thanks to early sign-on of WMTM, IDed them, nulled them and found this one. With sign-on and legal ID. 500 watts. New. (NAP-AL)
1360 KKMO WA Tacoma - 12/29 0030-0100 - *Island Radio* ID, followed by call-in request show for Philippine pop music. (RH-CA)
1410 WDOV DE Dover - 1/0 0200 - Very weak and alone on rare appearance, with *News-Talk* 1410 slogans. Out of talk and into CNN News. (JJR-WI)
1420 WVJS KY Owensboro - 1/5 0435 - Signing ID after oldie. (NAP-AL)

0800 TO 1600 HOURS ELT

- 540 KVIP CA Redding - 12/26 1508 - Very loud for an hour; first midday reception. KFBK-1530 was S7 at the time. (KGS-BC)

- 550 KOY AZ Phoenix - 1/10 0902-0906 - Out of unknown network news at 0903, It's 7:03 at KOY and weather, state news. Maricopa County mention. [Ed-ID]
 850 KSWB OR Seaside - 1/8 0958 - In the clear in KOA null. A new one here. (BR-CA)
 1030 KMAS WA Shelton - 12/26 1547 - Vocal music (AC); ID and weather at 1552. First daytime reception. (KGS-BC)
 1180 KLAY WA Lakewood - 12/26 1540-1638 - Several IDs, phone show, and slogan #1 for talk, KLAY. (KGS-BC)
 1290 KHSL CA Chico - 1/8 0832 - Sign-on SSB after MM silent period. (BR-CA)

1600 TO 2400 HOURS ELT

- 540 KVIP CA Redding - 1/8 1940-2000 - Fair, over CBK, with special (7th year???) anniversary program hosted by Mr. Thomas, then USA Net News. (AM-WA)
 KNMX NM Las Vegas - 1/8 1916 - Sign-off in EE, mentioning 5 kw and studio-transmitter link. Fair, above weak QRM from several unIDs. Then C&W, probably KWMT-LA, after carrier off. Log says U3. My second NM heard (KOB first) from this location, or former shack in Tulsa. Anyone know their pattern contour? (JEL-MO) [Yup. They have a small lobe protecting XEWA. Put a dime just to the north of Las Vegas and that's about it. As far as signing off at 1916, that looks like their LSS time for that day. But some stations sign off early on Sundays for various reasons, so...? - Ed.]
 660 KTNN AZ Window Rock - 1/4 2300 - Another 50 kw'er, but where else can you hear a Phoenix Suns vs Philadelphia 76ers basketball game in EE and Navajo! (RH-CA)
 750 KERR MT Polson - 1/8 1845-1910 - Fighting with KXL, with C&W music. ID as The Home of Country Legends, 750 KERR, Polson, Montana into ABC News. MT #4. (AM-WA) [These are correct CLs - Ed.]
 840 CJGX AB Grande Prairie - 12/29 2017 - Unneeded CJGX with c&w, local ads, and (cold) weather report. Over or equal to KVEG. KSWB after 1923. (KGS-BC)
 980 KMBZ MO Kansas City - 1/1 2105 - With a real good null on local KEGE, heard ABC/1 news followed by ID 24 hours a day, the newswatch never stops on News Radio 980 KMBZ into local news. (JE-MN)
 1160 WODY VA Fieldale - 1/9 1900 - Good, in WJJD null, IDing as PIR-FM over and over. Contemporary Christian format. New. (JJR-WI)
 1250 KTMS CA Santa Barbara - 12/31 - With station ID at 1915, and at 1942 an ad for a car dealership. Disappeared after LSS, Southern California time. (MR-UT)
 1280 KDUK OR Eugene - 12/29 1835 - One-on-One sports talk show, over KDYL's EZL mx. (KGS-BC)
 KTOL WA Lacey - 12/23 1858 - Traffic for Pierce County, then Country Gold Network (C&W). KIT fades in about 1915 most days. An UnID SS fades in and out a bit later. This frequency is almost like a graveyard from 1830-2000. (KGS-BC)
 1310 WTIK NC Durham - 1/9 1851 - Poor, over. Finally caught 1310 WTIK slogan after seven C&W songs without talk! Talk about continuous country, hu. New. (JJR-WI)
 1430 KBRC WA Mount Vernon - 12/20 1808 - Fair, with report on flooded roads in area. Promo for Christmas program. (JW-OR)
 1460 KKCS CO Colorado Springs - 12/27 2100 - C&W music, in null of KENO. (RH-CA)
 WXOK LA Baton Rouge - 1/7 2230 - Grambling University basketball under a gospel preacher from a Los Angeles-area station [Musta been KTYM - Ed.]. (RH-CA)
 1490 KCID ID Caldwell - 12/20 1837 - Fair-to-good with Idaho sports news, ID: You're sports station, KCID. (JW-OR)
 1520 KMFG CA Hollister - 1/8 1955 - The SS with music faded up and KFXX down at ID time on the hour for a change, so I logged new to me KMFG. The slogan sounds like Radio Borita. A second SS station there (presumably KTRO) is still to be IDed. KOMA faded in by 2021. (KGS-BC)
 KTRO CA Fort Hueneme - 1/5 - Noted on day power/pattern all night long. Signal level was a little weaker than KOMA's here. (MR-UT)
 KMPL MO Sikeston - 1/1 2054 - Good with EZL over/under KOMA. Mention of 50 years of Easy Listening and SNN news. (JE-MN)
 1570 KCVR CA Lodi - 12/20 1900 - Good, with SS music, ID in EE, into CNN News in SS. (JW-OR)
 1600 KUBA CA Yuba City - 1/8 2005 - Fair, over KGST, with weather forecast and C&W music. ID as AM 1600 KUBA. (AM-WA)

ABBREVIATIONS USED IN DDXD

//:parallel to :00: on the hour AC:Adult contemporary AP:Associated Press BBD:big band
 BRN:Business Radio Net C&W:country & western CCR:contemporary Christian radio
 CHR:contemporary hit radio CID:code ID CL:call letter EZL:easy listening EE:English
 FF:French GOS:gospel IRN:Interstate Radio Net LSR:local sunrise LSS:local sunset
 NBA:National Basketball Assn NFL:National Football League NPR:National Public Radio
 OC:open carrier POL:political PRI:Public Radio International PSRA:pre-sunrise
 authority PSSA:post-sunset authority QRM:man-made interference QRN:natural
 interference QTH:location PRI:Public Radio International REL:religious ROK:rock 'n' roll
 RS:regular schedule \$:stereo SID:singing ID SRS:sunrise skip SS:Spanish SSB:Star
 Spangled Banner SSS:sunset skip TC:time check TT:test tones UC:urban contemporary
 UPI:United Press International

DDXD-East

NEWS AND VIEWS

KFKA *am 131*
 GROWING WITH COLORADO

Let us know what you're hearing, and you can see your name alongside all of these fine DXers in this column! If it's more convenient for you, send your logs via E-mail to DPHT10A@prodigy.com or 73520,657@compuserve.com.

SPECIAL

- 1150 WMET MD Gaithersburg - Has been signing-off at midnight at least twice during the week of 1/9-1/13. This is probably connected with the conversion of //WPGC's format from business to music programming that takes place on Friday, 1/13. WMET indicates that it will continue on its own with the business format. Continuation of midnight sign-offs would not surprise me due to the marginal viability of this station over most of its history. This would open up this frequency for additional DX. (RC-MD) (but that comedy format was fun, wasn't it? - db)
 1240 WBAX PA Wilkes-Barre - 1/2 2200+ - **Noted off the air**, learned later from the local paper that it was a defective resistor and was repaired by the CE by using a bottle! (HJH-PA)
 1340 WBRK MA Pittsfield - 1/8 0058 - Noted with end of sign-off announcement "...WBRK radio leaves the air...", SSB. **No longer 24 hours**. First time heard here. (DB-DE)
 1390 CHOO ON Ajax - Scheduled to go silent with move to FM, but **still on** as of 1/3, when noted with FM simulcast, CW format, ID only as "KX 96". New FM is CJKX-95.9. (MB-ON)
 1450 WLEC OH Sandusky - 1/2 0201 - Surfaced through graveyard junk while looking for CHEF test with ID as "You're listening to WCPZ FM and WLEC AM Sandusky". (MB-ON)

DX TESTS

- 910 WSUI IA Iowa City - 1/9 0100-0130 - Maybe the one under WNEZ with very weak TT at 0107 and again around 0111, but I doubt it. (RA-MA) ...Good, on top of channel, with many voice IDs and possibly some varying tones. IA #3 here. (DB-DE)
 970 WWSW PA Pittsburgh - 1/2 0000-0030 - Fair mixing with WWDJ with TT, code IDs, march music and technical info on both AM and FM operations, a good DX test. (RA-MA) ...Heard 1 kHz TT for about the first three minutes, again at 0008. Code IDs at 0005 and 0017. Extremely faint under WAVG and others. (JL-OH)
 1300 WNQM TN Nashville - 12/26 0400-0430 - Poor and buried under WOOD and WERE with one code ID noted transmitted three times, followed by location in code. (MB-ON)
 1450 CHEF PQ Granby - 1/2 0000-0600 - Not heard on several checks up to 0230 in jumble. (RA-MA) ...Tried for but not heard, mainly because of nasty spur from CJCL-1430. (MB-ON) ...No go as the graveyard soup was too thick. (JL-OH)

UNID AND UNID HELP

- 1190 UNID 1/12 2045-2200 - Bruce Williams talk show mixing about evenly with the music of the usually dominant WOWO. Indicated, at 2058, that the (???) sports team is carried. Sounded like WH(?)YL legal ID at 2159. Note - I am still using an old NRC Log and noticed that the very infrequently heard station in PI (CHTN, I believe) is no longer listed under 1190. (RC-MD) (Richard, this is WHYS, Bluefield, WV,

which is now //WHIS-1440. CHTN is now on 720. - db)

0000 to 0800 ELT

- 540 **WGTO FL Pine Hills - 12/11 0004** - CNN News, sports, mention of Orlando. "All new WGT", not sure I heard the "O"...CJSB must finally have gone to 106.9 FM, leaving more opportunities on 540. (RH-NJ) (These guys regularly use "WGT" as their slogan - db)
- WWCS PA Canonsburg - 12/11 0001** - "Station of the nation - WWCS Canonsburg", classical music, also carries BBC World News. (RH-NJ)
- 550 **WICE RI Providence - 12/11 0110** - "AM 550 WICE", oldies, *Miracle Ear* ad. (RH-NJ)
- 580 **CFRA ON Ottawa - 12/22 0728** - Sports news, ID. (RH-NJ)
- 610 **CHNC QC New Carlisle - 12/9 0024** - French talk, first time this year, over/under WIP. (RH-NJ)
- 720 **CHTN PI Charlottetown - 12/3 0124** - Turtles' *Happy Together*, another GTO oldies station over/under WGN. (RH-NJ)
- 740 **WRPQ WI Baraboo - 12/27 0200** - Fair with oldies and legal ID by woman "24 hours a day, 7 days a week, this is WRPQ Baraboo" into *USA Radio News* (one of the few non-religious stations on the network). This is semi-regular, over assorted Latin Americans, after CBL sign-off. Are they really only 250 watts? (MB-ON)
- 840 **WHAS KY Louisville - 1/8 0130** - Noted with OC, nothing heard under it well enough to get any IDs. (DB-DE)
- 850 **WYLF NY Penn Yan - 12/20 0644** - NOS music, "It sounds so good, AM 850 WYLF". (RH-NJ)
- WRMR OH Cleveland - 1/1 0145** - "AM 850 WRMR", NOS music. (RH-NJ)
- 920 **WHJJ RI Providence - 12/3 0200** - Multiple IDs, news, talk, spots, "Talk Radio 920 AM WHJJ". (RH-NJ)
- 940 **WCPC MS Houston - 12/24 0146** - Talk show, mention of Houston and Tupelo, long time no hear, only 250 watts at this time? (RH-NJ)
- 1070 **WNCT NC Greenville - 12/6 0735** - "News Talk 1070" ID. (RH-NJ)
- 1150 **CKOC ON Hamilton - 1/1 0140** - New Year's show, nationwide, with oldies. (RH-NJ) (Ringing in the New Year with oldies? - db)
- CJRC QC Gatineau - 1/3 0058** - FF talk, mention of happenings in Montreal. (RH-NJ)
- 1160 **WCCS PA Homer City - 1/3 0056** - ID, NOS music. (RH-NJ)
- 1250 **WGL IN Fort Wayne - 12/4 0155** - Sports and news, also WTAE and WMTR. (RH-NJ)
- WARE MA Ware - 12/26 0240** - Oldies, ID, Bee Gees, Marvin Gaye tunes. (RH-NJ)
- 1300 **WPNH NH Plymouth - 12/28 0630** - "Good morning, here's your latest New Hampshire news." (RH-NJ)
- 1310 **WDOD TN Chattanooga - 1/3 0730** - Fair with traffic report and local news. Many news items from northwest Georgia towns, e.g. Dalton, Chickamauga, etc., including Dalton's first homicide of '95. (MB-ON)
- 1330 **WADJ PA Somerset - 12/30 0742** - Fair over pest WFLP with local weather, message from *Pennsylvania Securities Commission* warning against holiday season investment scams. (MB-ON)
- 1370 **WCCN WI Neillsville - 1/8 0530** - Good-fair with ID as "1370 WCCN, Neillsville", NOS music. Some WSPD QRM. (MB-IN)
- 1460 **CKRB QC St. George de Beauce - 1/2 0103** - Fair over UNID *Radio Aahs* station with NTR news (the FF version of *Broadcast News*), local weather and sports, leading off with news of *World Junior Hockey Championship*. (MB-ON) (I would guess *Radio Aahs* was WKDV-VA - db)
- 1540 **KXEL IA Waterloo - 1/1 0115-0130** - Jazz, "Depend on us for music and weather, the all new KXEL", lady DJ. *Road Gang*, which used to be carried by KXEL was underneath, possibly WPTP? (RH-NJ)
- 1560 **WPAD KY Paducah - 12/26 0218** - NOS Christmas music, simulcast with WSAI, last heard in Orlando in 8/92. (RH-NJ)
- 1590 **WAKR OH Akron - 12/10 0210** - Local news over UNID religious music station. Again 1/3 0107 with weather. (RH-NJ)

0800 to 1600 ELT

- 690 **WZAP VA Bristol - 12/8 0818** - Religious program with pastor of local church. (RH-NJ)

- 730 **KWRE MO Warrenton - 1/5 1430** - Good in WFMW null, ID as "73 Country KWRE", weather forecast, CW music. (MB-IN)
- 1040 **WJTB OH North Ridgeville - 12/8 0815** - Black Gospel songs. (RH-NJ)
- 1110 **WJML MI Petoskey - 12/28 0815** - Good, killing CKTY with ID as "Talk in the north, AM 1110 WJML", talk on recycling Christmas trees, local weather sponsored by *Tauberg Chevrolet-Oldsmobile*. (MB-ON)
- 1210 **WILY IL Centralia - 1/7 1345** - Good with ID, weather forecast, ad for *Casey Funeral Home*. (MB-IN)
- 1350 **WJBD IL Salem - 1/7 1233** - Good with ID, weather forecast, AC music. (MB-IN)
- 1390 **WLCM MI Charlotte - 0900** - Fair with *USA Radio News*, 0904 long rundown of obituaries sponsored by *Gray's Funeral Home* in Charlotte, ID as "Southern Gospel 1390 WLCM". QSLd as WNLF in 1988. (MB-ON) (No date given - db)
- WHOT OH Youngstown - 12/24 0815** - Fair-good with ad for *Omega Doors* (phone number 393-DOOR) and *Lazy-Boy Furniture Galleries* in Niles, promo for *Youngstown State University* basketball. This will likely be the dominant station here with CHOO gone. QSLd as WFMJ in 1978. I also have a 1981 verie from WHOT on 1330 signed by *AM Switch* editor Jerry Starr. When did they swap frequencies? Or did WFMJ go silent and WHOT move to 1390? (MB-ON) (It was a few years ago, I believe - db)
- 1410 **WLSH PA Lansford - 12/27 0904** - Fair over CJCL slop with local sports (mostly about high school basketball), ID announcement "That's the latest news, weather and sports from AM 1410.WLSH, we're serving you 24 hours a day, 7 days a week". (MB-ON)
- 1560 **WSHY IL Shelbyville - 1/7 1245** - Good with ID, *Auto Answers* phone-in program. (MB-IN)



1600 TO 2400 ELT

- 580 **CKAP ON Kapuskasing - 12/5 2314** - *Dire Straits Sultans of Swing*, ID "AM 58, Northern Ontario". (RH-NJ)
- CHLC QC Baie Comeau - 12/8 2230** - FF songs, selective fading, others. (RH-NJ)
- 590 **CKRS QC Jonquiere - 12/8 2233** - FF talk show. (RH-NJ)
- 640 **WGST GA Atlanta - 1/3 1650** - News, sports, ID. (RH-NJ)
- 740 **WJIG TN Tullahoma - 1/4 1925** - Fair-poor with GOS music, ID as "WJIG, Tullahoma, Tennessee". KRMG absent. Log says 250 watts days, 11 at night. Nice. (MB-IN)
- 820 **WIQT NY Horseheads - 12/5 2303** - ID and news surfaced above jumble. (RH-NJ)
- 950 **WCTN MD Potomac - 12/30 1645** - Fair over WWJ and WXGI with promo thanking listeners for supporting WCTN's Gospel programs in '94. "AM 950 WCTN" jingle into *USA Radio Sports*. (MB-ON)
- WGTA GA Summerville - 12/30 1801** - Topping frequency briefly then disappeared under WWJ with ID as "Serving Summerville, Trion...950 AM, we're WGTA Summerville". (MB-ON)
- 960 **WAAK NC Dallas - 12/5 2253** - Religious music, ID over/under WFIR with 703 area code. First timer. (RH-NJ)
- 970 **WFUN OH Ashtabula - 1/2 1650** - Commercial for *John Deere* farm equipment, and for *Geneva Ford*, beginning of *Cotton Bowl* play-by-play, way over WWDJ! (TF-CT)
- 1000 **WMUF TN Paris - 12/27 1700** - Fair over/under WMVP with ad for *Lake Associates*, ID as "This is WMUF, Paris", local news. (MB-IN)
- 1030 **WYSL NY Avon - 1/8 1645-1700** - *Moneytalk*, ID for "News Talk 1030, WYSL", full data sign-off at 1700 including SSB, way over WBZ. (TF-CT)
- 1070 **CBA NB Moncton - 12/5 2323** - Classical flute music, very relaxing, //CBE-1550 and CBM-940, over CHOK with GTO. This one was supposed to go off the air at least 10 years ago, glad it's still around. (RH-NJ)
- 1140 **CBI NS Sydney - 1/2 1610** - Folk music, time at 1615, Canadian sports, weak signal, never heard here before. Finally something new! (TF-CT)
- 1200 **CFGO ON Ottawa - 12/7 2150** - "Energy 1200" heavy metal, many others around. (RH-NJ)
- 1230 **WERI RI Westerly - 1/2 2259** - Ad for *China Villa Restaurant* on Canal Street in Westerly, with many others while WBAX was off. (HJH-PA) (China Villa? A blend of two cultures? - db)

- 1240 WSKI VT Montpelier - 1/2 2230 - Ending song *Stand By Me* and ID "Tell your friends...WSKI", WBAX off. (HJH-PA)
- 1260 WCHV VA Charlottesville - 1/4 2205 - Loud and dominant with *Dave's Diner* syndicated oldies, CNN News on the hour. (HJH-PA)
- 1270 WDLA NY Walton - 12/5 2335 - CW over CFGT, ID "This is AM 1270 - WDLA". Competes with WLBR at marginal levels daytime. (RH-NJ)
- WDLA NY Walton - 1/4 1645 - CW music, promo for *Through the Bible*, must air religion, too. (TF-CT)
- WLIK TN Newport - 1/4 1742 - Good with CW music, ID by woman. (HJH-PA)
- CFGF QC Alma - 12/5 2331 - FF music, CW, lite rock, some of the nicest songs you can hear anywhere. (RH-NJ) (Sounds like AC to me - db)
- 1310 WSLW WV White Sulphur Springs - 1/2 1719 - Fair with birthday greetings to listeners, many mentions of White Sulphur Springs as well as Alleghany County, VA, ad for *Gold Lounge Restaurant* in White Sulphur Springs, local weather, CW music. Faded out by 1730 with no ID heard, but enough mentions of White Sulphur Springs to convince me. (MB-ON)
- 1320 WKRR NC Murphy - 1/4 1817 - Very loud with weather then CW music on a decidedly Southern night. (HJH-PA)
- 1330 WBTM VA Danville - 1/4 1730 - Promo for *Bruce Williams* sponsored by *Danville Medical Center* then *Paul Harvey's Rest of the Story*. (HJH-PA)
- 1340 WNBH MA New Bedford - 1/2 2023 - Up good with weather and teletalk show by woman. (HJH-PA)
- WBRK MA Pittsfield - 1/3 2115 - The dominant one on this channel tonight. Had good sounding locally originating AC format. College basketball report and mention of sports coverage on 101.7. (HJH-PA)
- WENT NY Gloversville - 1/5 2223 - ID as "WENT, your weather station" then promo for *Talk of the Town* on Saturday mornings. (HJH-PA)
- 1350 WOYK PA York - 12/27 2350 - *Every Which Way But Loose* by Eddie Rabbitt, "Classic Country WOYK". (RH-NJ)
- WOYK PA York - 1/4 2005 - Fair with weather forecast, call letters, CW music. (MB-IN)
- 1370 WGOH KY Grayson - 1/2 1728 - Heard with many others with events bulletin board with mention of Grayson. (HJH-PA)
- WTAB NC Tabor City - 1/2 1732 - Sign-off strong at this time with mention of transmitter on Highway 701 and Equal Opportunity Employment message. (HJH-PA)
- 1380 WTOB NC Winston-Salem - 1/2 1745 - Promo for environmental awareness show "on Newsradio 1380 WTOB" then into CNN News. (HJH-PA)
- 1390 WDCW NY Syracuse - 12/27 1705 - Good with end of *USA Radio News*, ID as "It's 5:05 on Praise Country WDCW Syracuse" into contemporary Gospel music. Heard often as WFBL, this will be another dominant pest with CHCO silent. (MB-ON)
- 1410 WING OH Dayton - 12/27 1651 - Fair with ad for *US Savings Bonds*, ID as "CNN 1410 WING" into *CNN Headline Sports*. Another station that canned their expensive PM drive live announcers for a cheap CNN feed off the satellite! (MB-ON)
- 1470 CHOW ON Welland - 12/5 2345 - CW with John Michael Montgomery, ad for brain injury treatment. (RH-NJ)
- 1490 WACM MA West Springfield - 1/2 - SS, commercials for Springfield businesses, way atop WGCH (TF-CT) (No time given - db)
- WCSS NY Amsterdam - 1/5 2259 - Full ID heard way down in mud. (HJH-PA)
- WIKE VT Newport - 1/4 2233 - Up loud briefly with ID "Keep it right here on your favorite country - WIKE". (HJH-PA)
- 1550 WNTN MA Newton - 1/2 1625 - Nice full data sign-off at 1630 with SSB. (TF-CT)
- 1590 WARV RI Warwick - 12/28 2302 - "Life changing radio - WARV", religious programming. (RH-NJ)
- WPTH VA Richmond - 12/26 1620 - Gospel music, promo for *Explosion '95*, a Gospel show, way atop frequency for 10 minutes. (TF-CT)

REPORTERS

RA-MA Ray Arruda, Acushnet, MA: SX-122, HQ-180A, Loops
 MB-ON Mike Brooker, Toronto, ON: Panasonic RF-2200, Panasonic RFB-45



- MB-IN Mark Burns, Terre Haute, IN: Drake R-8, Quantum Loop, 80' longwire
- RC-MD Richard Clark, Rockville, MD: Alpine 7510 car radio
- TF-CT Tony Fitzherbert, Fairfield, CT: Sangean ATS 803A on a Lazy Susan for instant nulling of locals which are numerous!
- RH-NJ Rich Harrison, Hewitt, NJ: Grundig Satellit 3400, SM-2, Select-a-tenna *Rich*
- HJH-PA Harry J. Hayes, Wilkes-Barre, PA: Superadio II, Superloop
- JL-OH Jeffrey Less, Toledo, OH: Panasonic RF-5000A
- DB-DE Dave Braun, Wyoming, DE: R-5000, Quantum Loop



Geomagnetic Summary

Phil Bytheway bytheway@ATK.com
 9705 Mary NW
 Seattle, WA 98117-2334

High "A" values indicate possible auroral conditions

Geomagnetic Summary December 10 1994 through January 6 1995

GEO - Geomagnetic activity
 maf - major flare
 mas - major storm
 mis - minor storm

pca - polar cap absorption
 SA - Solar Activity
 spe - satellite proton event
 ss - severe storm

Date	FLUX	A	K	SA	GEO	OTHER
12/10	86	6	0	very low	quiet	-
11	95	5	3	low	quiet-unsettled	-
12	-	-	-	-	-	-
13	97	11	1	moderate	quiet-active	-
14	95	4	2	very low	quiet	-
15	93	20	3	very low	quiet-active	-
16	93	12	1	low	quiet-active	-
17	92	6	3	low	quiet-unsettled	-
18	87	4	3	low	quiet-unsettled	-
19	85	7	1	very low	quiet-unsettled	-
20	82	5	1	very low	quiet	-
21	82	5	2	very low	quiet-unsettled	-
22	82	2	1	very low	quiet-unsettled	-
23	80	6	3	very low	quiet-unsettled	-
24	80	22	3	very low	quiet-active	-
25	81	14	4	very low	quiet-active	-
26	80	11	1	very low	quiet-unsettled	-
27	76	7	2	very low	quiet-unsettled	-
28	79	7	3	very low	quiet-unsettled	-
29	80	10	3	very low	quiet-unsettled	swa
30	77	6	1	very low	quiet	swa
12/31	77	2	0	very low	quiet	swa
1/1	75	3	1	very low	quiet-unsettled	swa
2	77	13	4	very low	quiet-active	swa
3	77	18	4	very low	quiet-active	swa
4	77	16	2	low	quiet-active	swa
5	76	16	3	very low	quiet-active	swa
1/6	74	15	1	very low	quiet-unsettled	swa

What a Time-saver - the County Cross Reference

A complete list of counties, parishes, and similar political divisions in the U.S. and Canada. Two lists are included: **alphabycounty**, and **bystate**. Compiled by Bill Hale and designed and produced by Wayne and Joan Helmen. \$4.95 for members, \$8.95, non-member. Order Item CCR from the NRC Publications center; NY residents, please include sales tax.

International DX Digest

Foreign DX Catches. Times are UTC; for ELT, subtract 5 hrs.

Jim Renfrew JimRenfrew@AOL.com
61 Wilcox Street
Rochester, NY 14607-3832

Only one logging from me this week, but it's a good one. Connelly, Conti and I logged the US Virgin Islands with the WVWI DX Test. I hope you got it too, this is a hard one!

PAN-AMERICAN DX

- 531.98 TURKS & CAICOS, JAN 1 0635 - huge signal with emotional SS religious vocal. [Connelly-MA]
- 535 GRENADA GBC, St. George's, JAN 10 0150 - Soul and reggae music, BBC news at 0200, good with RVC-South Caicos off-frequency at 531.9 kHz. [Conti-NH]
- 540 MEXICO XEWA Monterrey, JAN 12 0326 - Looping SW atop frequency with man in SS describing a sports event with mentions of Mexico. When XEWA was in San Luis Potosí, and almost alone on this frequency, this was my first Mexican verie. [Dangerfield-PA]
- 600 CUBA R.Rebelde, Urbano Noris, JAN 10 0310 - Excellent, end of baseball followed by boxing from Bayamo, // 5025. [Conti-NH]
- 640 GUADELOUPE RFO, Pointe a Pitre, JAN 9 0440 - Fair, talk in French, // St.Pierre-1375, over/under Union Radio 1090-Venezuela. [Conti-NH]
- 655 EL SALVADOR YSS San Salvador, JAN 10 0225 - Good with soft instrumental music and SS announcements by a man. [Dangerfield-PA]
- 690 ANGUILLA, JAN 15 0640 - EE preacher gave several phone numbers, then played blues-influenced music. Signal was under CBF. [Connelly*H-MA]
- 720 VENEZUELA, YVQE Portamar, JAN 15 0122 - SS folk vocal o/ CHTN. Only the big-gun Latin Americans were in, so I spent little time on them. [Connelly*H-MA]
- 730 MEXICO, XEX Mexico City, JAN 1 0610 - "Equis Eh Equis" ID, SS talk about Mexico; good with CKAC phased. [Connelly-MA]
- 750 VENEZUELA, YVKS Caracas, JAN 1 0612 - shouts of "Venezuela Libre", fanfare, wild partying sounds, "RCR" and "Radio Caracas Radio" IDs; excellent. [Connelly-MA]
- 760 CUBA, JAN 1 0614 - R. Reloj "RR" beeps, SS talk; over WJR. [Connelly-MA]
- 830 ST. KITTS & NEVIS Basseterre, JAN 11 0506 - EE preaching // 7510; good, atop WCRN/CFJR. [Connelly-MA]
- 860 DOMINICAN REPUBLIC R.Clarín, Sto Domingo, JAN 7 0320 - Good, many mentions of Puerto Rico and Santo Domingo, Radio Clarín jingle, merengue music. [Conti-NH]
- 860 VENEZUELA R.Enlace 860, Valle de la Pascua, JAN 5 0240 - Heard "de la Valle de la Pascua" in a commercial, ID at 0300 "Desde Valle de la Pascua... Enlace Ocho-Sesenta...", weak in CJBC null mixing with R.Clarín. [Conti-NH]
- 860 MEXICO XECCN Cancun, JAN 12 0225-0300 - Very strong and on top when looped SW with man and woman in SS reading bulletins with frequent mentions of Cancun, Yucatan, and Quintana Roo. Commercials were read by a man at 0257, and at 0300, a man and woman with what sounded like a ghost story. [Dangerfield-PA]
- 895 ST. KITTS & NEVIS VON, Charlestown, JAN 8 0150 - Fair, reggae music, s/off at 0200 with anthem. [Conti-NH]
- 940 MEXICO XEQ, Mexico, JAN 2 0645 - Good, "La frecuencia de amor" ID and romantic music, over R.Relej-Cuba. [Conti-NH]
- 961a unID, JAN 15 0449 - SS talk briefly good, then lost to CHNS-960 slop. [Connelly*H-MA]
- 970 VENEZUELA R.Mundial, Barcelona, JAN 2 0530 - Good, ID as "Radio Mundial... nueve setenta, el primer lugar" and salsa music, over WWDJ. [Conti-NH]
- 1000 US VIRGIN ISLANDS WVWI, Charlotte Amalie, DX TEST JAN 16 0700 - Poor, DX test, only code and tones heard through RCN-Colombia and CFLP-Canada. [Conti-NH] JAN 16 0715-0800 - I heard three code groups very weak during this time period at 0715, 0750 and 0757. After the second one, I called the station and Rick Ricardo, Director of Operations, confirmed that I had just heard them. No other aspect of the broadcast could be heard through strong signals from RCN, Radio Mil and CFLP. Country #49! Now I'm not so sad for missing H/CB! But I decided not to stick around for the Hawaii test at 5:30 AM EST. [Renfrew-NY] JAN 16 0738 - two WVWI code ID's were heard weakly beneath a CFLP (HF talk) / CKBW (C&W music) tug-of-war. Bits of code were noted also at 0700, 0710, 0749, and 0756. At most times there was a 1 kHz steady background tone resulting from Spain - 999 hetting the channel. [Connelly-MA]

- 1000 MEXICO XEOY R.Mil, Mexico, JAN 16 0730 - Faded in nice with Radio Mil IDs and "XEOY transmitimos 24 horas", Mexican vocals, over RCN-Colombia. [Conti-NH]
- 1060 CUBA CMDX, Baracoa, JAN 9 0240 - Good, Discoteca Dominical program, a mix of salsa, merengue, and US disco hits (Madonna, Kool & the Gang), UTC-5 time checks, CMKS relay with mentions of Guantanamo, in KYW null. [Conti-NH]
- 1060 COLOMBIA R.Delfín, Riohacha, JAN 12 0200 - Fair, canned ID with theme music, mention of tarjeta de credito MasterCard, and Latin American vocals, over Cuba and KYW. [Conti-NH]
- 1070 VENEZUELA, YVMA Maracaibo, JAN 1 0620 - Mundial Zulia ID; good with CHOK phased. [Connelly-MA]
- 1090 VENEZUELA Union R.1090, Caracas, JAN 9 0430 - Good, deportes report, Mil Noventa IDs, Venezuelan vocals, // 640, in WBAL null. [Conti-NH]
- 1160 BERMUDA, VSB Hamilton, JAN 1 0627 - BBC news about US politics, // 6195. [Connelly-MA]
- 1170 COLOMBIA CARACOL, Cartagena, JAN 9 0318 - Fair, ID as "Mil ciento setenta kilohertz, Caracol Cartagena", over/under WKPE in WVVA null. [Conti-NH]
- 1610 ANGUILLA The Valley, JAN 1 0647 - EE preacher; good. [Connelly-MA]

TRANS-ATLANTIC DX

- 531 ALGERIA Ain El Beida, JAN 15 0019 - AA vocal, over Spain; fair with Turks & Caicos (532) nullified. [Connelly*H-MA]
- 549 ALGERIA Les Trembles, JAN 15 0017 - AA male vocal & drums; excellent, better than CFNB-550. [Connelly*H-MA]
- 558 SPAIN, JAN 15 0117 - bits of SS talk in WGAN slop. [Connelly*H-MA]
- 567 IRELAND Tullamore, JAN 14 2341 - '40s / '50s - era female jazz vocal, EE talk by man, then more nostalgic music; very good. JAN 15 0632 - EE news by man; good. This station's signal seems to have improved lately. [Connelly*H-MA]
- 585 SPAIN Madrid, JAN 14 2208 - SS news by man & woman; loud. [Connelly*H-MA]
- 594 UNID, JAN 10 0230 - Urban/pop music, too much slop from local WBNW-590 to identify talk between songs, faded away by 0250, wouldn't expect this from the Portugal religious station, maybe Germany's Nachtexpress? [Conti-NH]
- 594 PORTUGAL Muge, JAN 3 0150 - Fair with men in PP. [Dangerfield-PA] JAN 15 0415 - mellow vocal, PP-sounding talk; over several others. Slopped badly at times by VOXM-590; WBNW was nullified. [Connelly*H-MA]
- 603 SPAIN Sevilla / Palencia, JAN 14 2205 - fair with woman in SS. [Connelly*H-MA]
- 612 MOROCCO Sebaa-Aioun, JAN 15 0115 - AA talk by man, then AA female vocal & guitar-like instrument; to good peaks. [Connelly*H-MA]
- 612 IRELAND Athlone, JAN 15 0635 - female pop-rock vocal, then British-accented EE "morning man" DJ with typical fast-paced delivery style. Good signal, dominating the channel. [Connelly*H-MA]
- 621 CANARY I. & SPAIN synch., DEC 28 0105 - Very good with woman giving the news in SS. Next week I will be in the back yard of one of these synchronized stations, Palma de Majorca. [Dangerfield-PA]
- 621 CANARY ISLANDS Cruz de Tenerife, JAN 15 0402 - SS talk over others. [Connelly*H-MA]
- 639 SPAIN La Coruna et al., JAN 15 0401 - SS news by man; to good peak. [Connelly*H-MA]
- 648 SPAIN, JAN 15 0432 - SS teletalk // 684, others; poor [Connelly*H-MA]
- 657 SPAIN Madrid, JAN 15 0434 - SS teletalk; fair through WFAN slop. [Connelly*H-MA]
- 666 PORTUGAL Lisbon, JAN 1 2230 - Very strong with girl singing The Man I Love in EE, and JAN 12 0450 - good again with man in PP. [Dangerfield-PA] JAN 15 0259 - PP talk over others. [Connelly*H-MA]
- 675 NETHERLANDS Lopik, JAN 12 0450 - Good with pop songs and comments in Dutch by a man. [Dangerfield-PA] JAN 15 0302 - "My Lady Davanil" by Cat Stevens, then EE talk w/ slogan containing the word "Gold"; over others with WRKO slop nullified. [Connelly*H-MA]
- 684 SPAIN Sevilla, JAN 15 0258 - SS talk by 2 men; excellent. [Connelly*H-MA]
- 693 ENGLAND Droitwich etc., JAN 12 0338 - Good with men in a sports discussion and // to 909. [Dangerfield-PA] JAN 15 0437 - BBC atop the channel with an interview show. [Connelly*H-MA]
- 693 AZORES / ENGLAND, JAN 15 0100 - news broadcasts in PP & EE at even strength. [Connelly*H-MA]
- 738 SPAIN Barcelona, JAN 15 0047 - SS talk; fair over slop. [Connelly*H-MA] JAN 6 0005 & 0205 - Fair with the news by a woman and man. This will be a semi-local for me next week in Majorca. [Dangerfield-PA]

- 747 NETHERLANDS Flevoland, JAN 15 0042 - jazz, then Dutch talk; huge signal. JAN 15 0443 - woman in Dutch, then a version of the song "Love the One You're With". [Connelly*H-MA]
- 747 CANARY ISLANDS // SPAIN, JAN 15 0257 - uptempo SS group vocal with accordion; very good over Netherlands. [Connelly*H-MA]
- 756 SPAIN Bilbao, JAN 5 0521 - SS talk, music; fair. JAN 11 0513 - SS talk came up over the German. [Connelly-MA] JAN 15 0440 - SS female vocal // 747 Canaries; good during a brief fade of the German. [Connelly*H-MA]
- 756 GERMANY Brunswick, JAN 6 0204 - Very good with woman in GG and news, and JAN 12 0427 - very strong with woman speaking. Maybe the same one. The European women have such soft voices! [Dangerfield-PA]
- 756 GERMANY Braunschweig / Ravensburg, JAN 11 0510 - jazz, then man in GG; over Spain. [Connelly-MA] JAN 15 0321 - classical piano music // 1422. JAN 15 0442 - oldies show w/ "The Lion Sleeps Tonight", "You Light Up My Life", & others; excellent, // 1422; also loud when re-checked at 0537 UTC. [Connelly*H-MA]
- 765 SWITZERLAND Sottens, JAN 5 0515 - FF vocal, FF talk by woman; good to excellent. JAN 11 0516 - woman in FF; in slop. [Connelly-MA] JAN 15 0038 - classical music; good, usually over WABC slop. [Connelly*H-MA]
- 774 SPAIN synchron., JAN 1 0615 - fair with SS pop-rock music. JAN 5, 0518 - man in SS; fair in slop. JAN 9 0510 - SS news by woman; good. [Connelly-MA]
- 774 SPAIN synchron., JAN 15 0036 - SS teletalk // 855; fair through WABC slop. [Connelly*H-MA]
- 783 PORTUGAL (t), JAN 5 0517 - bits of possible PP talk, ripped up by CFDR-780. [Connelly-MA]
- 792 SPAIN Sevilla, JAN 15 0248 - man in SS; audio was compressed / muffled, maybe via telephone. [Connelly*H-MA]
- 837 CANARY ISLANDS // SPAIN, JAN 11 0505 - man in SS; fair. [Connelly-MA]
- 837 AZORES Barossa, JAN 15 0132 - samba-style jazz with female vocal similar to "Girl from Ipanema" song, then man in PP; poor to fair in slop. [Connelly*H-MA]
- 846 ITALY Rome, JAN 15 0133 - II opera; to fair peaks through heavy WEEI-850 slop. [Connelly*H-MA]
- 855 SPAIN Murcia et al., JAN 9 0513 - SS news by man & woman, mentions of Barcelona & Valencia; good, S9+20 peak. [Connelly-MA] JAN 15 0033 - SS teletalk by man & woman; to good peaks, over others. [Connelly*H-MA]
- 882 CANARY ISLANDS La Laguna, JAN 9 0516 - fast SS talk by man; good, way over BBC. [Connelly-MA]
- 882 CANARY ISLANDS / ENGLAND, JAN 15 0246 - SS talk slightly over EE talk; both sloped by WCBS. [Connelly*H-MA]
- 891 ALGERIA Algiers, JAN 1 0630 - woman in AA; good. JAN 9 0518 -AA teletalk; good with WLS phased. [Connelly-MA] JAN 15 0244 - LOCAL-LIKE with female AA vocal with strings & drums. [Connelly*H-MA]
- 909 ENGLAND synch. stations, JAN 12 0440 - Fair signal and // to 693 with men in a discussion of sports. [Dangerfield-PA] JAN 15 0243 - EE talk by man; fair, squeezing by strong CHRL-910. [Connelly*H-MA]
- 945 FRANCE Toulouse, JAN 15 0623 - emotional FF show-tune style vocal; fair. [Connelly*H-MA]
- 954 SPAIN Madrid, JAN 15 0237 - SS male ballad vocal with piano accompaniment; fair over others. JAN 15 0458 - Phil Collins "Another Day in Paradise"; good. [Connelly*H-MA]
- 981 ALGERIA Algiers, JAN 5 0532 - Koranic AA a cappella male vocal; excellent, S9+30, creaming WTRY/WWRC-980. JAN 8 0709 - AA vocal. [Connelly-MA] JAN 15 0500-0502 - sign-on with 5 pips, then a sixth higher-pitched pip, march / anthem, AA talk by woman, then into AA male Koranic vocal. It was a superloud S9+40 knock-your-socks-off signal that totally destroyed the 980 domestics. [Connelly*H-MA]
- 981 PORTUGAL (t), JAN 5 0532 - PP-sounding male talk under Algeria. [Connelly- MA]
- 999 SPAIN Madrid, JAN 8 0708 - man & woman in SS; to good peak. JAN 9 0521 - fast SS talk; fair in CKBW C&W slop. [Connelly-MA] JAN 15 0503 - fast SS news by woman; getting by CKBW. [Connelly*H-MA]
- 1008 CANARY I. Las Palmas, JAN 6 0200 - Very good with time pips, then news in SS by a woman. [Dangerfield-PA]
- 1017 GERMANY (t), JAN 15 0620 - GG-sounding talk mixed with others. [Connelly*H-MA]
- 1026 SPAIN Reus et al., JAN 15 0505 - SER SS news by man; over other. [Connelly*H-MA]
- 1044 SPAIN San Sebastian, JAN 9 0522 - fast SS talk by man; very good over growl. [Connelly-MA] JAN 15 0233 - SS talk by man; fair over others (SAH 3 Hz), some WEVD slop. JAN 15 0645 - SS talk; excellent / dominant. [Connelly*H-MA]

- 1044 MOROCCO Sebaa-Aioun, JAN 15 0507 - AA vocal; good, atop Spain. [Connelly*H-MA]
- 1053 MOROCCO Tanger, JAN 15 0508 - AA a cappella vocal // 1044; over possible SS station. [Connelly*H-MA]
- 1062 DENMARK Kalundborg, JAN 2 0634 - slow rock, then woman in Danish; very good. JAN 8 0707 - Danish talk by man, then music followed by talk. JAN 9 0524 - "fifties modern" jazz, talk by man in Danish, then British punk / garage rock; good. JAN 12 0530 - news in Danish; very good. [Connelly-MA] JAN 15 0509 - US soft-rock; good. JAN 15 0646 - excellent with Danish talk, then Cars song. This one is more consistent than Norway-1314 for me, but I don't see it reported as much. [Connelly*H-MA]
- 1071 SPAIN, JAN 15 0510-0520: woman in SS emerged out of a 3-station pile; the station then played strange music (maybe Basque ?) sounding like a blend of AA, Irish, and American Indian styles; this was followed by man in SS. Very strong at times. [Connelly*H-MA]
- 1107 SPAIN, JAN 15 0615 - man & woman in SS; fair in WBT / WHIM - 1110 slop. [Connelly*H-MA]
- 1143 SPAIN, JAN 15 0344 - fast SS talk over jumble. [Connelly*H-MA]
- 1152 SPAIN, JAN 15 0342 - SS talk over growl; WMEX-1150 looped. [Connelly*H-MA]
- 1206 FRANCE Bordeaux, JAN 15 0557 - FF talk; fair. [Connelly*H-MA]
- 1215 ENGLAND Virgin R., JAN 7 0608 - good to excellent with "Jean Genie" by David Bowie. [Connelly-MA] JAN 15 0523 - excellent with "Bette Davis Eyes" by Kim Carnes. [Connelly*H-MA]
- 1296 UNID, JAN 6 2310 - Very strong carrier, but only for a few minutes. I wonder if this was the BBC station changing directional patterns. [Dangerfield-PA]
- 1296 SUDAN Rebia (t), JAN 15 0339 - bits of AA-sounding vocal, under open carrier of unknown origin. [Connelly*H-MA]
- 1314 NORWAY Kvitsoy, JAN 8 0656 - Norwegian talk. [Connelly-MA] JAN 15 0153 - recent hit "All I Wanna Do is Have Some Fun" by Sheryl Crow; fair. JAN 15 0525 - Norwegian talk; good. [Connelly*H-MA]
- 1323 GERMANY Wachenbrunn, JAN 15 0528 - Voice of Russia relay with light instrumental music // Kaliningrad-1386; to fair peaks, heavily sloped at times by C&W show on CKEC-1320. [Connelly*H-MA]
- 1349 MAURITANIA Nouakchott, JAN 8 0208 - bits of female AA vocal. [Connelly-MA]
- 1377 FRANCE Lille, JAN 7 0540 - FF rap music // 1557; very good. [Connelly-MA]
- 1386 RUSSIA (KALININGRAD) Bolshakovo, JAN 7 0553 - woman in EE, then oldie "It's Just a Matter of Time" by Brook Benton; LOUD! [Connelly-MA] JAN 15 0528 - light music // Germany - 1323; to good peaks. [Connelly*H-MA]
- 1404 FRANCE synchron., JAN 7 0548 - acoustic guitar // 1377, 1494, 1557; poor. [Connelly-MA]
- 1422 GERMANY Heusweiler, JAN 8 0659 - woman in GG; fair. [Connelly-MA] JAN 15 0321 - classical piano music // 756; to good peaks over others. JAN 15 0537 - "Nights in White Satin" by the Moody Blues // 756; excellent. [Connelly*H-MA]
- 1458 unID, JAN 15 0542 - powerhouse het (England or Albania most likely); too much CKRB-1460 to allow audio extraction. [Connelly*H-MA]
- 1494 unID's, JAN 15 0547 - mess with 3 (or more) stations; one may have been // 1386, but I'm not sure. [Connelly*H-MA]
- 1494 FRANCE, JAN 7 0548 - acoustic guitar // 1377, 1404, 1557; poor over others. [Connelly-MA]
- 1512 BELGIUM Wolverson, JAN 5 2230 - Again, a super signal from this one with a man and woman in the Belgian FF service. [Dangerfield-PA] JAN 15 0600 - music-box-like IS, then man in GG or Dutch; to fair peaks through severe WSSH- 1510 slop that was impossible to loop out. [Connelly*H-MA]
- 1521 SAUDI ARABIA Duba, JAN 10 0439 - AA vocal music with flutes, then AA talk by man; excellent. [Connelly-MA]
- 1521 SAUDI ARABIA Duba, JAN 15 0303 - a cappella AA Koranic vocal; excellent. [Connelly*H-MA]
- 1530 VATICAN Vatican Radio, JAN 2 0020 - Fair, usual ID in 3 languages including English, easy listening music, // 5882, over WSAI. [Conti-NH] JAN 2 0617 - EE religious talk about Mary, segments of choral music // weaker 6245. At 0619, an ID "You've been listening to the English program of Vatican Radio", then Vatican IS. Signal was loud, way over WSAI. [Connelly-MA]
- 1530 VATICAN, JAN 15 0308 - speech by the Pope in accented EE before a large crowd; way over WSAI. [Connelly*H-MA]
- 1539 GERMANY Mainflingen, DEC 28 0230 - Very strong with soft music featuring a piano. [Dangerfield-PA]
- 1548 ENGLAND, JAN 8 0650 - C&W music; in slop. [Connelly-MA] JAN 15 0311 - BBC World

- Service (// 5975): EE news by woman with mentions of the IRA and Belfast; fair over others. [Connelly*H-MA]
- 1557 FRANCE / unID, JAN 2 0612 - Nice poor with man in FF, mixing with an apparent open carrier & a low-pitched growl; bits of EE talk showed at times, likely from one of the British locals. [Connelly-MA]
- 1557 FRANCE Nice, JAN 7 0540 - FF rap music // 1377; fair to good. [Connelly- MA] JAN 15 0550 - classical music; badly shredded by WQEW's big-band jazz. [Connelly*H-MA]
- 1566 AZORES Vila do Porto, JAN 6 2155 - man & woman on PP teletalk show; good. [Connelly-MA]
- 1566 TUNISIA Sfax, JAN 6 2313 - Strong, with woman and man in AA, and a minute later, a man singing or chanting. [Dangerfield-PA]
- 1575 SPAIN, JAN 7 0535 - SS news by man & woman // 1584; good to excellent. [Connelly-MA]
- 1584 SPAIN, JAN 7 0536 - SS news by man & woman // 1575; to good peaks. [Connelly-MA] JAN 15 0556 - echoey SS talk by man. [Connelly*H-MA]
- 1602 SPAIN, JAN 7 0538 - SS music, NOT parallel to 1575, 1584; poor in slop. [Connelly-MA] JAN 15 0202 - news by man in SS; poor to fair over others. [Connelly*H-MA]
- 1611 VATICAN, JAN 2 0605 - Slavic talk by woman; good. [Connelly-MA] JAN 15 0312 - talk by woman; loud, sometimes better than Anguilla - 1610. [Connelly*H-MA]

STATION NEWS

CLANDESTINE ("CHIAPAS LIBRE" and "MAYAN GUATAMALA": "La Voz de Chiapas Libre / La Voz de Guatemala Mayan, international tropical and AM band outlet, are soon to begin portable operations in either NW Guatemala, NE Chiapas or NC Chiapas. Because these mobile SS language programs will depend on battery power, the maximum hours of operation will be 1200-0300 UTC, due to power limitations and the need to circumvent both nations' monitoring of these propagandists hours will be irregular. In deference to radio hobbyists worldwide, we will attempt some special DX programs that would include an EE cassette prepared by a DX hobbyist. Starting FEB 1, 1995 reception reports are solicited for both "Voz" (propaganda) and SS supply data/voice utility broadcasts as troops in Chiapas and Guatemala are resupplied by Mayan allies. One trusts that not providing frequencies will be understood. Jay Murley of San Diego CA 92143-4106 will handle all QSL reports ..." [Tijuana statement, via Jay Murley]

VENEZUELA: In the face of the economic and financial crisis, many radio stations (around fifty) are in hands of the government. These include stations belonging to Latinoamericana-Progreso Group (Mr. Orlando Castro), the complete Mundial Network, Sistema Super Radio Network, Radio Informativa Network, the ex-La Voz de Venezuela Network stations, Radio Inolvidable on AM, and others in FM like Radiorama network. The Finance Emergency Bureau recently said that these stations will be sold separately, but nobody knows if this will be by networks or by stations. Many stations are reducing power in daytime and more on nights after the increase of the electricity rates on January 1st (Almost 30% in Metropolitan areas and 25% in rural areas). [Manuel Rodriguez Lanza in *Tropical Tuning* #34 (via e-mail)]

VENEZUELA: 660 R. Ananco (ex 1400 kHz), slogan Anaco 6-60. 720 R. Oriente, Porlamar, now 100 kW (ex 50 kW). 1110 R. Carupano is now part of Mundial network. [Manuel Rodriguez Lanza in *Tropical Tuning* #30 (in *Play-DX* #819)]

CONTRIBUTORS

@Mark Connelly WA1ION, Billerica MA; Drake R8, two noise-reduced slopers (approx. 37 m each) with 50 m single-turn horizontal loop used as floating ground for noise reduction; antennas are phased with MWDX-5 phasing unit to MWT-3 regenerative tuner/preamp. Also DXing from Harwich, Cape Cod MA; Drake R8, Quantum Loop. [MarkWA1ION@aol.com]

@Bruce Conti, Nashua, NH; ICF-2010 with Kiwa filter upgrade, MWDX-5, 30-m longwire, 23-m southeast sloper. [bc@lexicon.com]

@Ben Dangerfield, Wallingford PA; HQ-180, KIWA Loop.

@Jim Renfrew, Rochester, NY; HQ-180, Radio West Loop. [JimRenfrew@AOL.com]



The NRC AM Radio Log, 15th Edition, is the standard listing of AM radio stations in the U. S. and Canada. Cross-referenced, 3-hole punched for standard binders. Only \$16.95 to U. S. and Canadian members; \$19.95 to U. S. non-NRC members; \$20.95 Canadian non-NRC members. Airmail: to Latin America, \$21.00; Europe, \$24.00; rest of the world: \$28.00.

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Graveyard Achievements

Bill Hale MTFH12A@Prodigy.com
495 Creekview Drive
Meridian, ID 83642-3241

Distance records for stations logged on graveyard frequencies

1400 kc

Logged Prior to Jan 1, 1960
Date of last update: Dec 8, 1989

WMSL	AL Decatur	Carl Dabelstein	Omaha, NE	670
WXAL	Demopolis	Don Trelford	Scarborough, ON	895
WPPA	Fort Payne	Don Kaskey	Galva, IA	761
WGNH	Gadsden	Don Trelford	Scarborough	756
WGYV	Greenville	Don Kaskey	Omaha	832
WJLD	Homewood	Laurie Boyer	Dunedin, NZ	8395
WJHO	Opelika	Don Trelford	Scarborough	827
WVCQ	AK Kodiak AFS	Roy Millar	Bellevue, WA	1442
KSEW	Sitka	Roy Millar	Bellevue	850
KCLF	AZ Clifton	Laurie Boyer	Dunedin	7387
KONI	Phoenix	Laurie Boyer	Invercargill, NZ	7400
KTUC	Tucson	Laurie Boyer	Dunedin	7278
KYMA	Yuma	Laurie Boyer	Dunedin	7148
KELD	AR El Dorado	Eric McIntosh	Invercargill, NZ	8231
KFPW	Ft. Smith	Don Trelford	Scarborough	979
KCLA	Pine Bluff	Don Kaskey	Galva	592
KRE	CA Berkeley	Eric McIntosh	Invercargill	7232
KCRE	Crescent City	Laurie Boyer	Dunedin	7259
KREO	Indio	Laurie Boyer	Dunedin	7139
KSDA	Redding	Roy Millar	Bellvue	485
KSLY	San Luis Obispo	Don Kaskey	Sacramento, CA	233
KCOY	Santa Maria	Laurie Boyer	Dunedin	7038
KSPA	Santa Paula	Eric McIntosh	Invercargill	7151
KUKI	Ukiah	Roy Millar	Bellevue	586
KONG	Visalia	Eric McIntosh	Invercargill	7263
KRLN	CO Canon City	Roy Millar	Bellevue	1070
KBNZ	La Junta	Roy Millar	Bellevue	1161
WFTL	F L Ft. Lauderdale	Frank Wheeler	Erie	1101
WIRA	Ft. Pierce	Don Kaskey	Galva	1341
WNUE	Ft. Walton Beach	Frank Wheeler	Erie	888
WPCF	Panama City Beach	Don Kaskey	Galva	989
WTRR	Sanford	Frank Wheeler	Erie	925
WCLB	GA Camilla	Frank Wheeler	Erie	527
WSGC	Elberton	Frank Wheeler	Erie	582
WDUN	Gainesville	Roy Millar	Bellevue	2219
WNEX	Macon	Roy Millar	Bellevue	2288
WMGA	Moultrie	Laurie Boyer	Dunedin	8438
WCOH	Newnan	Don Trelford	Scarborough	768
KIFI	ID Idaho Falls	Eric McIntosh	Invercargill	7885
KART	Jerome	Roy Millar	Bellevue	519
KRPL	Moscow	Eric McIntosh	Invercargill	7859
KSPT	Sand Point	Laurie Boyer	Dunedin	7843
WDWS	IL Champaign	Frank Wheeler	Erie	447
WGIL	Galesburg	Don Trelford	Scarborough	590
WEOA	IN Evansville	Don Kaskey	Galva	516
WBAT	Marion	Don Kaskey	Galva	468
KCOG	I A Centerville	Don Kaskey	Galva	139
KVFD	Ft. Dodge	Laurie Boyer	Dunedin	8438
KVOE	KS Emporia	Laurie Boyer	Dunedin	8182
WIEL	KY Elizabethtown	Don Kaskey	Galva	599
KAOK	LA Lake Charles	Laurie Boyer	Dunedin	7959

WRDO	ME	Augusta	Frank Wheeler	Erie	538
WWIN	MD	Baltimore	Eric McIntosh	Invercargill	9202
WALE	MA	Fall River	Don Trelford	Espanola, ON	613
WHYN		Northampton	Don Trelford	Scarborough	352
WKNR	MI	Battle Creek	Frank Wheeler	Erie	261
WJLB		Detroit	Laurie Boyer	Dunedin	8905
WIBM		Jackson	Eric McIntosh	Invercargill	8959
WSAM		Saginaw	Frank Wheeler	Erie	220
WTCM		Traverse City	Don Kaskey	Galva	526
KLIZ	MN	Brainerd	Don Trelford	Scarborough	745
KSVM		Mankato	Don Trelford	Scarborough	723
KMHL		Marshall	Dan Phillips	Clinton, TN	1105
WMIN		St. Paul	Don Trelford	Scarborough	681
WHLB		Virginia	Frank Wheeler	Erie	712
WNAG	MS	Grenada	Frank Wheeler	Erie	768
WFOR		Hattiesburg	Frank Wheeler	Erie	892
WJQS		Jackson	Don Kaskey	Galva	740
KFRU	MO	Columbia	Frank Wheeler	Erie	670
KSIM		Sikeston	Don Kaskey	Galva	492
KTTS		Springfield	Frank Wheeler	Erie	718
KXGN	MT	Glendive	Laurie Boyer	Dunedin	8206
KXLK		Great Falls	Roy Millar	Bellevue	512
KPTL	NV	Carson City	Eric McIntosh	Invercargill	1031
KBMI		Henderson	Roy Millar	Bellevue	913
KENO		Las Vegas	Hank Holbrook	Chevy Chase, MD	2099
KWNA		Winnemucca	Eric McIntosh	Invercargill	7552
WKXL	NH	Concord	Don Trelford	Scarborough	396
WOND	NJ	Pleasantville	Don Kaskey	Galva	1117
KTRC	NM	Santa Fe	Frank Wheeler	Erie	1466
KCRS		Truth or Consequences	Laurie Boyer	Invercargill	7484
KGFL		Roswell	Roy Millar	Bellevue	1361
KTNM		Tucumcari	Eric McIntosh	Invercargill	7834
WABY	NY	Albany	Frank Wheeler	Erie	393
WSLB		Ogdensburg	Frank Wheeler	Erie	287
WHCC	NC	Waynesville	Laurie Boyer	Dunedin	8652
KNOX	ND	Grand Forks	Don Kaskey	Galva	397
KEYZ		Williston	Laurie Boyer	Dunedin	8292
WMAN	OH	Mansfield	Don Kaskey	Galva	682
WPAY		Portsmouth	Don Kaskey	Galva	704
KWON	OK	Bartlesville	Frank Wheeler	Erie	923
WNOR		Norman	Frank Wheeler	Erie	1025
KWIN	OR	Ashland	Don Kaskey	Galva	1388
KOMB		Cottage Grove	Roy Millar	Bellevue	274
KBCH		Oceanlake	Roy Miller	Bellevue	198
WEST	PA	Easton	Frank Wheeler	Erie	256
WJET		Erie	Laurie Boyer	Dunedin	9031
WHUN		Huntingdon	Don Trelford	Scarborough	221
WKBI		St. Marys	Frank Wheeler	Erie	82
WRAX		Williamsport	Don Trelford	Scarborough	208
WBSC	SC	Bennettsville	Don Kaskey	Galva	1015
WCOS		Columbia	Frank Wheeler	Erie	555
WGTV		Georgetown	Don Kaskey	Galva	1082
WJZM	TN	Clarksville	Don Kaskey	Galva	586
WHUB		Cookeville	Don Kaskey	Galva	685
WKPT		Kingsport	Roy Millar	Bellevue	2116
WGAP		Maryville	Roy Millar	Bellevue	2114
WHBQ		Memphis	Don Trelford	Scarborough	817
WHAL		Sheilbyville	Don Kaskey	Galva	680
KRUN	TX	Ballinger	Laune Boyer	Dunedin	7725
KBYG		Big Spring	Roy Millar	Bellevue	1524
KILE		Galveston	Eric McIntosh	Invercargill	7960
KGVL		Greenville	Frank Wheeler	Erie	1079
KIUN		Pecos	Frank Wheeler	Erie	1487

KVOP		Plainview	Roy Millar	Bellevue	1423
KTEM		Temple	Frank Wheeler	Erie	1224
KTES		Texarkana	Frank Wheeler	Erie	953
KCSU	UT	Provo	Laurie Boyer	Dunedin	7634
WLOW	VA	Portsmouth	Dan Kaskey	Galva	1090
WHLF		South Boston	Frank Wheeler	Erie	400
WTON		Staunton	Don Trelford	Scarborough	379
WINC		Winchester	Frank Wheeler	Erie	257
KRKO	WA	Everett	Don Kaskey	Galva	1355
KFDR		Grand Coulee	Don Kaskey	Galva	1220
KWLK		Longview	Roy Miller	Bellevue	104
KRSC		Othello	Frank Wheeler	Erie	1917
KTNT		Tacoma	Roy Millar	Bellevue	32
KYAK		Yakima	Don Kaskey	Galva	1265
WCAW	WV	Charleston	Don Trelford	Scarborough	386
WRON		Ronceverte	Frank Wheeler	Erie	328
WKWK		Wheeling	Frank Wheeler	Erie	185
WBTH		Williamson	Don Kaskey	Galva	775
WATW	WI	Ashland	Frank Wheeler	Erie	615
WBIZ		Eau Claire	Frank Wheeler	Erie	595
WDUZ		Green Bay	Don Trelford	Scarborough	438
WSAU		Wausau	Don Trelford	Scarborough	514
KODI	WY	Cody	Laurie Boyer	Dunedin	7932
CKCL	NS	Truro	Don Trelford	Scarborough	801
CKOB	ON	Renfrew	Frank Wheeler	Erie	277
CKFH		Toronto	Eric McIntosh	Invercargill	9207
CJFP	PQ	Riviere-du-Loup	Don Trelford	Scarborough	551
CKRN		Rouyn	Frank Wheeler	Erie	428
CKSW	SK	Swift Current	Roy Millar	Bellevue	690

1400 kHz

Logged from Jan 1, 1960 to Present

Date of Last Update: December 2, 1994
* indicates North American record-holder

WMSL	AL	Decatur	Joe Fela	Newark, NJ	819
WXAL		Demopolis	Robert Kramer	Chicago, IL	655
WJLD		Fairfield	Steve Francis	Alcoa, TN	245
WFPA		Ft. Payne	Russ Edmunds	Parsippany, NJ	769
WJHO		Opelika	Charles Reh	Leamington, ON	667
KSEW	AK	Sitka	Pete Taylor	San Francisco, CA	1457
AFRN		Tok	Esa Hänninen	Lemmenjoki, Finland	3291
KJKJ	AZ	Flagstaff	Pete Taylor	San Francisco	627
KXIV		Phoenix	Ernie Wesolowski	Omaha, NE	1037
KRVZ		Springerville	Jim Boehm	San Antonio, TX	712
KTUC		Tucson	Jim Boehm	San Antonio	762
KEZC		Yuma	Esa Hänninen	Lemmenjoki	5148
KVOY			Pete Taylor	San Francisco	*561
KELD	AR	El Dorado	Charles Reh	Leamington	932
KCLA		Pine Bluff	Robert Kramer	Chicago	785
KWYN		Wynne	Bill Dvorak	Madison, WI	543
KRE	CA	Berkeley	Eric McIntosh	Invercargill, NZ	7232
KPAT			Roy Millar	Marysville, WA	*665
KUNA		Indio	Bruce Reynolds	San Jose, CA	402
KQMS		Redding	Esa Hänninen	Lemmenjoki	4709
			Jack Woods	Waldport, OR	*282
KSPA		Santa Paula	Pete Taylor	San Francisco	305
KHOE		Truckee	Roy Millar	Marysville	581
KUKI		Ukiah	Frank Merrill	Nenana, AK	2035
KEYX		Visalia	Esa Hänninen	Lemmenjoki	4959
			Bruce Reynolds	San Jose	*159
KRLN	CO	Canon City	Shawn Axelrod	Winnipeg, MB	863

KDTA	Delta	Shawn Axelrod	Winnipeg	938
KFTM	Ft. Morgan	Olle Alm	Abisko, Sweden	4374
		Jeff Tynan	Parker, CO	*70
KBZZ	La Junta	Roy Millar	Marysville	1161
KPAG	Pagosa Springs	Carl Dabelstein	Overland Park, KS	662
WSTC	CT Stamford	Mike Jeziorski	Crescent Beach, FL	885
WILI	Williamantic	Jeff Falconer	Clinton, ON	487
WFTL	F L Ft. Lauderdale	Marc DeLorenzo	Hyannis, MA	1209
WIRA	Ft. Pierce	UK DXPedition & Steve Francis	Sheigra, Scotland	4093
		Charles Reh	Alcoa	*614
WNUE	Ft. Walton Beach	Robert Kramer	Leamington	833
WERD	Jacksonville	Steve Francis	Chicago	875
WVNF	GA Alpharetta	Karl Jeter	Alcoa	120
WCLB	Camilla	Steve Francis	Stone Mountain, GA	182
WSGC	Elberton	Karl Jeter	Alcoa	129
WNEX	Macon	Rich Eddie	Stone Mountain	73
WMGA	Moultrie	Karl Jeter	St. Louis, MO	660
WSFB	Quitman	Rick Dau	Stone Mountain	221
WSGA	Savannah	Esa Hänninen	Oakland, IA	1240
KART	I D Jerome	Wayne Heinen	Lemmenjoki	4471
		Esa Hänninen	Colorado Springs, CO	*574
KRPL	Moscow	John Wilkins	Lemmenjoki	4233
		Shawn Axelrod	Winnipeg	*766
KIGO	St. Anthony	Olle Alm	Abisko	801
KSPT	Sandpoint	Ernie Wesolowski	Omaha	4055
		Joe Fela	Newark	1120*
WDWS	IL Champaign	Esa Hänninen	Lemmenjoki	741
WGIL	Galesburg	Steve Francis	Alcoa	4196
		Roy Millar	Marysville	*497
WEOA	IN Evansville	Esa Hänninen	Lemmenjoki	1884
WBAT	Marion	Russ Edmunds	Kinnelon, NJ	4128
		Shawn Axelrod	Winnipeg	*588
KCOG	I A Centerville	Shawn Axelrod	Winnipeg	614
KADR	Elkader	Shawn Axelrod	Winnipeg	545
KVFD	Ft. Dodge	Shawn Axelrod	Winnipeg	544
KVOE	KS Emporia	Niel Wolfish	Winnipeg, MB	807
		Shawn Axelrod	Winnipeg	(Tie) 807
KAYS	Hays	Olle Alm	Karesuando, Sweden	4443
		John Wilkins	Wheat Ridge, CO	*314
WCYN	KY Cynthiana	Carl Dabelstein	Lincoln, NE	650
WIEL	Elizabethtown	Charles Reh	Leamington	348
WFTG	London	Ernie Wesolowski	Omaha	695
WFPR	LA Hammond	Roy Millar	Marysville	2080
KAOK	Lake Charles	Carl Dabelstein	Lincoln	761
		Bob McCoy	Lincoln, NE	(Tie) 761
KWLA	Many	Robert Kramer	Chicago	795
WMME	ME Augusta	Carl Dabelstein	Omaha, NE	1333
WIDE	Biddeford	Marc DeLorenzo	Hyannis	156
WMCS	Machias	Jerry Starr	Youngstown, OH	740
WWIN	MD Baltimore	Steve Francis	Alcoa	469
WALE	MA Fall River	Tim Kerfoot	Toronto, ON	450
WLLH	Lowell	Tim Kerfoot	Toronto	410
WHMP	Northampton	Jeff Falconer	Clinton	459
WKNR	MI Battle Creek	Steve Francis	Alcoa	455
WQBH	Detroit	Shawn Axelrod	Winnipeg	887
WCCY	Houghton	Shawn Axelrod	Winnipeg	473
WGON	Munising	Olle Alm	Abisko	3642
		Charles Reh	Leamington	*363
WSAM	Saginaw	Shawn Axelrod	Winnipeg	757
WSJM	St. Joseph	Morris Sorensen	Minton, ON	343
WKNW	Sault Ste. Marie	MB DXPedition & Rick Dau	Valhalla Beach, MB	645
KEYL	MN Long Prairie		Iowa City, IA	345

KMHL	Marshall	Roy Millar	Marysville	1291
KEYE	St. Paul	Frank Merrill	Toledo, OH	521
WHLB	Virginia	Esa Hänninen	Lemmenjoki	3817
WBIP	MS Booneville	Ernie Wesolowski	Omaha	608
WFOR	Hattiesburg	Steve Francis	Alcoa	455
WJQS	Jackson	Frank Merrill	Milan, MI	750
KFRU	MO Columbia	Pete Taylor	San Francisco, CA	1623
KJCF	Festus	Frank Merrill	Holland, OH	424
KSIM	Sikeston	Dave Whatmough	Hamilton, ON	679
KGBX	Springfield	Shawn Axelrod	Winnipeg	892
KDRG	MT Deer Lodge	Esa Hänninen	Lemmenjoki	4203
		Ernie Wesolowski	Omaha	*909
KXGN	Glendive	Morris Sorensen	Leaf Rapids, MB	570
KARR	Great Falls	Pete Taylor	San Francisco	872
KJJR	Whitefish	Roy Millar	Marysville	381
KBRB	NE Ainsworth	Morris Sorensen	God's Narrows, MB	935
KCOW	Alliance	Esa Hänninen	Lemmenjoki	4530
		James Dale	Rosemount, MN	*528
KLIN	Lincoln	Esa Hänninen	Lemmenjoki	4321
		John Wilkins	Wheat Ridge	*452
KBMI	NV Henderson	Mike Knitter	Rapid City, SD	835
KWNA	Winnemucca	Olle Alm	Abisko, Sweden	4556
		Ernie Wesolowski	Omaha	*1134
WBRL	NH Berlin	Don Voorhies	Oswego, NY	275
		Russ Edmunds	Parsippany	225
WTSL	NH Hanover	Karl Jeter	Stone Mountain	660
WOND	NJ Pleasantville	Tim Hall	San Diego, CA	552
KMIN	NM Grants	Rick Dau	Oakland	854
KTRC	Santa Fe	John Wilkins	Wheat Ridge, CO	473
KCHS	Truth or Consequences	Jerry Starr	Hubbard, OH	1300
KTNM	Tucumcari	UK DXPedition & Charles Reh	Sheigra	3048
WABY	NY Albany	Shawn Axelrod	Leamington	*449
		Bruce Reynolds	Warrensburg, MO	827
WYSL	Buffalo	Jeff Falconer	Clinton, ON	210
WDNY	Dansville	Charles Reh	Leamington	401
WSLB	Ogdensburg	Joe Kureth	Southern Pines, NC	160
WBMA	NC Beaufort	John Wilkins	West Des Moines, IA	832
WGBC	Greensboro	Joe Kureth	Southern Pines	17
WSHB	Raeford	Russ Edmunds	Kinnelon	495
WSIC	Statesville	Joe Kureth	Southern Pines	85
WLSE	Wallace	Joe Kureth	Upperville	428
WHCC	Waynesville	Charles Reh	Leamington	860
KEYJ	ND Jamestown	Bob McCoy	Lincoln	742
WMAN	OH Mansfield	Don Lynch	Lynn, MA	679
WPAY	Portsmouth	Shawn Axelrod	Winnipeg	910
KWON	OK Bartlesville	John Wilkins	Wheat Ridge	613
KTMC	McAlester	Olle Alm	Karesuando	4644
KNOR	Norman	Shawn Axelrod	Winnipeg	*998
		Pete Taylor	San Francisco	304
KWIN	OR Ashland	Esa Hänninen	Lemmenjoki	4613
KIVR	Cave Junction	Roy Millar	Marysville	*373
KBGG		Esa Hänninen	Lemmenjoki	4499
KNND	Cottage Grove	Roy Millar	Marysville	*259
		Olle Alm	Abisko, Sweden	4344
KJDY	John Day	Jack Woods	Waldport	*255
KJDY		Charles Reh	Leamington	392
WEST	PA Easton	Eric McIntosh	Invercargill	9141
WJET	Erie	Ernie Wesolowski	Omaha	*819
		Andy Rugg	Montreal, PQ	390
WFEC	Harrisburg	Joe Fela	Newark	250
WJAC	Johnstown	Steve Francis	Alcoa	434
WAMQ	Loretto	Carl Dabelstein	Omaha	900
WKBI	St. Marys	Frank Merrill	Milan	408
WICK	Scranton			

WRAK		Williamsport	Frank Merrill	Milan	353
WCOS	SC	Columbia	Roy Millar	Marysville	2354
WGTN		Georgetown	Ron Musco	Windsor, CT	700
WKDY		Spartanburg	Robert Kramer	Chicago	580
KBJM	SD	Lemmon	Bruce Reynolds	Warrensburg	655
WJZM	TN	Clarksville	Dave Schmidt	New Castle, DE	680
WHUB		Cookeville	Ron Musco	Windsor	795
WLSB		Copperhill	Roy Millar	Marysville	2151
WKPT		Kingsport	Russ Edmunds	Parsippany	597
WGAP		Maryville	Shawn Axelrod	Winnipeg	1198
WHAL		Shelbyville	Karl Jeter	Stone Mountain	173
KBYG	TX	Big Spring	Bruce Reynolds	Warrensburg	626
KUNO		Corpus Christi	Roy Millar	Marysville	1941
KILE		Galveston	Wayne Heinen	Colorado Springs	872
KGVL		Greenville	Shawn Axelrod	Winnipeg	1141
KIUN		Pecos	Roy Millar	Marysville	1552
KEYE		Perryton	Shawn Axelrod	Winnipeg	947
KVOP		Plainview	Niel Wolfish	Winnipeg	1109
			Shawn Axelrod	Winnipeg	(Tie) 1109
KDWT		Stamford	Roy Millar	Marysville	1558
KTEM		Temple	Roy Millar	Marysville	1751
KTFS		Texarkana	Steve Ponder	Bossier City, LA	65
KVOU		Uvalde	Ernie Wesolowski	Omaha	864
KSRR	UT	Provo	Olle Alm	Abisko	4513
			Bruce Reynolds	San Jose	*585
			Tim Kerfoot	Toronto	310
WDOT	VT	Burlington	John Wilkins	West Des Moines	844
WINA	VA	Charlottesville	Russ Edmunds	Blue Bell, PA	341
WHHV		Hillsville	Andy Rugg	Montreal	615
WHIH		Portsmouth	Roy Millar	Marysville	2346
WHLF		South Boston	John Wilkins	West Des Moines	827
WINC		Winchester	Olle Alm	Abisko	4277
KLCK	WA	Goldendale	Esa Hänninen	Lemmenjoki	4343
KEDO		Longview	Pete Taylor	San Francisco	*574
			Esa Hänninen	Lemmenjoki	4253
KRSC		Othello	Pete Taylor	San Francisco	*646
			Olle Alm	Abisko	4175
KITZ		Silverdale	Charles Reh	Leamington	233
WBOY	WV	Clarksburg	Tim Kerfoot	Toronto	420
WRON		Ronceverte	Andy Rugg	Waterloo, ON	325
WSPZ		Spencer	Esa Hänninen	Lemmenjoki	4054
WKWK		Wheeling	Steve Francis	Alcoa	*344
			Jeff Falconer	Clinton	416
WBTH		Williamson	Roy Millar	Marysville	1480
WATW	WI	Ashland	Pete Taylor	San Francisco	1662
WBIZ		Eau Claire	Morris Sorensen	God's Narrows	1035
WDUZ		Green Bay	James Dale	Rosemount	295
WRJN		Racine	Niel Wolfish	Winnipeg	589
WRDB		Reedsburg	Shawn Axelrod	Winnipeg	(Tie) 589
			Frank Merrill	Toledo, OH	374
WRIG		Wausau	Roy Millar	Marysville	840
KATI	WY	Casper	Mike Hardester	Modesto, CA	(Tie) 840
			Esa Hänninen	Lemmenjoki	4279
KODI		Cody	Ernie Wesolowski	Omaha	*703
			Esa Hänninen	Lemmenjoki	3811
CKSQ	AB	Stettler	Roy Millar	Marysville	494
CFLD	BC	Burns Lake	Roy Millar	Marysville	303
CHNL1		Clearwater	Roy Millar	Marysville	351
CKGR		Golden	Esa Hänninen	Lemmenjoki	4090
CKRP		Princeton	Roy Millar	Marysville	*159
CINL					
CJEK		Sparwood	Tim Hall	Banff	107

CBWG	MB	Gillam	Morris Sorensen	God's Narrows	200
CBG	NF	Gander	Esa Hänninen	Ristiina, Finland	3116
CKCB	ON	Collingwood	Shawn Axelrod	Winnipeg	925
CBLY		Haliburton	Morris Sorensen	Head Lake, ON	58
CBOD		Maynooth	Tim Hall	Madawaska, ON	30
CKOB		Renfrew	Joe Kureth	Uniontown	437
CBEE		Sturgeon Falls	Morris Sorensen	Emsdale, ON	74
CKFL	PQ	Lac Megantic	Charles Reh	Leamington	632
CJFP		Rivière du Loup	Esa Hänninen	Espoo, Finland	3583
			Charles Reh	Leamington	*747
CKRN		Rouyn	MB DXPedition &	Arnes	822
CKSJ		St. Jovite	Tim Kerfoot	Toronto, ON	280
XEPF	BCN	Ensenada	Tim Hall	Chula Vista, CA	52
XESH	COAH	Cd Sabinas Hidalgo		Jim Boehm	San
Antonio	641				
XEI	MICH	Morelia	Tim Hall	50mi W of Santiago Ixcuintla, NAY	335
XELH	NAY	Acaponeta	Jim Boehm	San Antonio	290
XEEX	SIN	Culiacan	Pete Taylor	Cabo San Lucas, BCS	206
XEFS	TAMS	Matamoros	Jim Boehm	San Antonio	263
PJB2	ATN	Bonaire	UK DXPedition £	Sheigra	4548
PRH6	BRZ	Belo Horizonte	Pete Taylor	Rio de Janeiro, Brazil	211
PRD5		Rio de Janeiro	Pete Taylor	Rio de Janeiro	5
2PK	NSW	Parkes	Roy Millar	Marysville	7832
JOQL	JPN	Kushiro	Pete Taylor	San Francisco	4652
BEV98	Taiwan	Kaohsiung	Pete Taylor	Hong Kong	391

£ = UK DXPedition [Steve Whitt, Mark Hattam, Clive Rooms]

& = Manitoba DXPedition [Shawn Axelrod, Wayne McRae]

TIS Rules . . . from anonymous Fidonet posting, via Bill Hale

s. 90.242 Travelers Information Stations.

(a) The frequencies 530 through 1700 kHz in 10 kHz increments may be assigned in the Local Government Radio Service for the operation of Travelers Information Stations subject to the following conditions and limitations:

(1) For Travelers Information Station applications only, eligibility requirements as set forth in s. 90.17(a) are extended to include park districts and authorities.

(2) Each application for a station or system shall be accompanied by:

(i) A statement certifying that the transmitting site of the Travelers Information Station will be located at least 15 km (9.3 miles) measured orthogonally, outside the measured 0.5 mV/m daytime contour (0.1 mV/m for Class A stations) of any AM broadcast station operating on a first adjacent channel or at least 130 km (80.6 miles) outside the measured 0.5 mV/m daytime contour (0.1 mV/m for Class A stations) of any AM broadcast station operating on the same channel, or, if nighttime operation is proposed, outside the theoretical 0.5 mV/m-50% nighttime skywave contour of a U.S. Class A station. If the measured contour is not available, then the calculated 0.5 mV/m field strength contour shall be acceptable. These contours are available for inspection at the concerned AM broadcast station and FCC offices in Washington, D.C.

(ii) In consideration of possible cross-modulation and intermodulation interference effects which may result from the operation of a Travelers Information Station in the vicinity of an AM broadcast station on the second or third adjacent channel, the applicant shall certify that he has considered these possible interference effects and, to the best of his knowledge, does not foresee harmful interference occurring to broadcast stations operating on second or third adjacent channels.

(iii) A map showing the geographical location of each transmitter site and an estimate of the signal strength at the contour of the desired coverage area. For a cable system, the contour to be shown is the estimated field strength at 60 meters (197 feet) from any point on the cable. For a conventional radiating antenna, the estimated field strength contour at 1.5 km (0.93 mile) shall be shown. A contour map comprised of actual on-the-air measurements shall be submitted to the Commission within 60 days after station authorization or completion of station construction, whichever occurs later. A sufficient number of points shall be chosen at the specified distances (extrapolated measurements are

acceptable) to adequately show compliance with the field strength limits.

(iv) For each transmitter site, the transmitter's output power, the type of antenna utilized, its length (for a cable system), its height above ground, distance from transmitter to the antenna, and the elevation above sea level at the transmitting site.

- (3) Travelers Information Stations will be authorized on a secondary basis to stations authorized on a primary basis in the bands 510-535 and 1605-1715 kHz.
- (4) A Travelers Information Station authorization may be suspended, modified, or withdrawn by the Commission without prior notice of right to hearing if necessary to resolve interference conflicts, to implement agreements with foreign governments, or in other circumstances warranting such action.
- (5) The transmitting site of each Travelers Information Station shall be restricted to the immediate vicinity of the following specified areas: air, train, and bus transportation terminals, public parks and historical sites, bridges, tunnels, and any intersection of a Federal Interstate Highway with any other Interstate, Federal, State, or local highway.
- (6) A Travelers Information Station shall normally be authorized to use a single transmitter. However, a system of stations, with each station in the system employing a separate transmitter may be authorized for a specified area provided sufficient need is demonstrated by the applicant.
- (7) Travelers Information Stations shall transmit only noncommercial voice information pertaining to traffic and road conditions, traffic hazard and travel advisories, directions, availability of lodging, rest stops and service stations, and descriptions of local points of interest. It is not permissible to identify the commercial name of any business establishment whose service may be available within or outside the coverage area of a Travelers Information Station. However, to facilitate announcements concerning departures/arrivals and parking areas at air, train, and bus terminals, the trade name identification of carriers is permitted.

(b) Technical standards.

- (1) The use of 6K00A3E emission will be authorized, however N0N- emission may be used for purposes of receiver quieting, but only for a system of stations employing "leaky" cable antennas.
- (2) A frequency tolerance of 100 Hz shall be maintained.
- (3) For a station employing a cable antenna, the following restrictions apply:
- The length of the cable antenna shall not exceed 3.0 km (1.9 miles).
 - Transmitter RF output power shall not exceed 50 watts and shall be adjustable downward to enable the user to comply with the specified field strength limit.
 - The field strength of the emission on the operating frequency shall not exceed 2 mV/m when measured with a standard field strength meter at a distance of 60 meters (197 feet) from any part of the station.
- (4) For a station employing a conventional radiating antenna(s) (ex. vertical monopole, directional array) the following restrictions apply:
- The antenna height above ground level shall not exceed 15.0 meters (49.2 feet).
 - Only vertical polarization of antennas shall be permitted.
 - Transmitter RF output power shall not exceed 10 watts to enable the user to comply with the specified field strength limit.
 - The field strength of the emission on the operating frequency shall not exceed 2 mV/m when measured with a standard field strength meter at a distance of 1.50 km (0.93 miles) from the transmitting antenna system.
- (5) For co-channel stations operating under different licenses, the following minimum separation distances shall apply:
- 0.50 km (0.31 miles) for the case when both stations are using cable antennas.
 - 7.50 km (4.66 miles) for the case when one station is using a conventional antenna and the other is using a cable antenna.
 - 15.0 km (9.3 miles) for the case when both stations are using conventional antennas.
- (6) For a system of co-channel transmitters operating under a single authorization utilizing either cable or conventional antennas, or both, no minimum separation distance is required.
- (7) An applicant desiring to locate a station that does not comply with the separation requirements of this section shall coordinate with the affected station.
- (8) Each transmitter in a Travelers Information Station shall be equipped with an audio low-pass filter. Such filter shall be installed between the modulation limiter and the modulated stage. At audio frequencies between 3 kHz and 20 kHz this filter shall have an attenuation greater than the attenuation at 1 kHz by at least: $60 \log_{10}(f/3)$ decibels where "f" is the audio frequency in kHz. At audio frequencies above 20 kHz, the attenuation shall be at least 50 decibels greater than the attenuation at 1 kHz.



Winter SWL Festival

March 16-18, 1995

Holiday Inn

Sunnyside Pike

Kulpsville, Pennsylvania

We will officially open the Eighth Annual Winter SWL Festival Forums on Friday morning and continue all day Saturday. As usual, there will be door prizes, station freebies, (please bring items to be donated for the silent auction), and a banquet on Saturday night. New this year, bring items for sale or swap for an equipment swap meet on Friday afternoon. Also new, bring your receivers and have their specs checked by two experts. Ben Hester and Joe Buch will report their findings and compare receiver specs in a forum.

The Forums will include:

- QSLing
- DX Accessories
- Intro to Scanning
- Pirate Broadcasts
- Intro to Utilities
- Interpreting Receiver Specs

And More To Be Announced...

Registration Options-

FULL	— Includes forums, hospitality room, lunch and banquet	— 35
PARTIAL	— Includes forums, hospitality room but NO meals	— 17
SPOUSE	— Includes hospitality room and meals	— 19

GRAND PRIZE To be announced

SPECIAL Register early and win a SW portable! Your registration received by midnight February 11, 1995 will allow you one **FREE** entry towards this early bird registration door prize.

Please bring items for the Silent Auction. Proceeds are donated to charity.

Checks should be made payable to **WINTER SWL FEST**. Registration for hotel rooms should be made directly to the Holiday Inn at (215) 368-3800 **As soon as possible!** Special rates - ~~59~~ single, ~~64~~ double. Our function code with the hotel is **WINTER SWL FEST**. Please refer to this to get the special room rates. Listen to the ANARC SWL NET on 7.240 LSB at 10 AM Sundays for up to the minute info.

The Holiday Inn is located at EXIT 31 of the PA Turnpike Northeast Extension-Lansdale Interchange. Improved access from the south with the Blue Route—ask for details. Limo service is available from Phila. Intl Airport directly to the Holiday Inn.

Please submit the following form with your registration amount or send for more information to:

Winter SWL Festival
PO Box 591
Colmar, PA 18915

Name _____

Address _____

City _____

Circle: FULL PARTIAL SPOUSE (Spouse Name: _____)

Banquet - Check: Roast Beef ___ Chicken ___ Registration Fee Enclosed: \$ _____

I wish to purchase ___ raffle tickets Tickets Fee Enclosed: \$ _____

(\$1 ea. / 6 for \$5 / Special 13 for \$10) Total check/money order enclosed: \$ _____

Registration cancellations after 2/28/95 cannot be refunded; however, we will refund raffle ticket money if you have to cancel.