

DX News

Serving DXers since 1933



Volume 70, No. 13 - January 6, 2003 (ISSN 0737-1659)

Inside ...

2 .. AM Switch
3 .. DDXD
20 .. IDXD

23 .. Newfoundland XI DXpedition
36 .. SPECIAL NRC Catalog 2003 Insert
46 .. Musings of the Members
47 .. Geomagnetic Indices

CPC Test Calendar					
WBMJ	PR	1190	Feb. 1/2	2300-0100	
WIVV	PR	1370	Feb. 1/2	2300-0100	

WBMJ-1190, WIVV-1370 - P. O. Box 367000 - San Juan - Puerto Rico 00936-7000 will conduct a DX Test Saturday/Sunday, February 1/2 from 11:00pm-1 am ELT, simultaneously on both stations. At 10:59 pm, the stations will come out of a youth program - "Life on the Edge" - and then run a minute of DX information, including Morse code IDs. Then the stations will return to their regular programming from the Moody Broadcasting Network. The same procedure will be repeated at 11:59 am and 12:59 am. WBMJ will be broadcasting at 5 kW; WIVV at 1 kW. Reception reports (with return U. S. postage) may be sent to Bert Johnson, Operations Manager; <bjohnson@cem-wbmj.org>. Arranged for the IRCA CPC.

From the Publisher ... Thanks to all who sent holiday greeting cards; they are appreciated.

In this "lucky 13" issue, you'll find about 52 pages worth of good stuff packed into 48, including the long-awaited 2003 NRC Publications Catalog so you can splurge on those long-delayed publications because of long-hoped-for Christmas money, hi.

CPC ... Ron Musco has volunteered to take over the CPC chairmanship from Blaine Thompson, who was unable to continue. Thanks to Blaine for his years of service, and to Ron who now wears about three or more hats for the club. Send your suggestions for CPC tests, and any donations you'd care to make for stamps to be affixed to letters going out to target stations, to the address on the back cover.

Special QSL from CHWO ... from Brian Smith: "On January 8, 2003, radio station CHWO AM 740 - Prime Time Radio will be celebrating its second anniversary. Originally on 1250 kHz from 1956, it moved to 740 kHz in 2001 when the CBC left for the FM dial. To commemorate this birthday, the station and the Ontario DX Association will be issuing a special QSL for reports made on January 8, 2003 only. To receive the special 2nd Anniversary CHWO AM 740 QSL card:

- Station must be heard on January 8, 2003 from 0000 to 2359 (EST)
- Time you heard the transmission (local or UTC);
- Program Material (at least 10 minutes of specific program material heard: i.e., name of announcer, commercials heard, news items etc.);
- Signal/Sound Report, (a general overview of how well you heard the signal at your location and the sound quality of the program).
- Mention of the type of equipment and antenna you were using to hear the signal is helpful information as well.

All reception reports and comments for the station may be sent to Brian Smith - Box 161, Willowdale Stn A - Toronto, Ontario - Canada M2N 5S8, or to <<am740@rogers.com >>."

DXN Publishing Schedule, Volume 70

Iss.	Deadline	Pub. Date	Iss.	Deadline	Pub. Date
14.	Jan. 3	Jan. 13	23.	Mar. 21	Mar 31
15.	Jan. 10	Jan. 20	24.	April 4	April 14
16.	Jan. 17	Jan. 27	25.	April 18	April 28
17.	Jan. 24	Feb. 3	26.	May 9	May 19
18.	Jan. 31	Feb. 10	27.	June 6	June 16
19.	Feb. 7	Feb. 17	28.	July 4	July 14
20.	Feb. 14	Feb. 24	29.	Aug. 1	Aug. 11
21.	Feb. 21	Mar. 3	30.	Sept. 5	Sept. 15
22.	Feb. 28	Mar. 10			

DX Time Machine

From the pages of DX News:

50 years ago ... from the December 27, 1952 DXN: John Hoogerheide, Madison, WI reported logging two Brazilian stations on the morning of 12-15; PRE8-980 and PRE7-1410 for his first reception from South America ... from the January 3, 1953 DXN: Hal Williams, Seymour, CT reported hearing a special test on 12-17 from CMCY-590 playing Cuban music with English announcements, asking for USA reports and offering a special Christmas present for all who wrote, giving the correct title of the last number played at 0123.

25 years ago ... from the January 9, 1978 DXN: 53 News of eleven CPC tests filled the front page of this DXN.

10 years ago ... from the December 28, 1992 DXN: CPC chairman Jeff Tynan noted that 160 test requests as of 12-1 had netted only three positive replies.

AM Switch

Jerry Starr w8jv@yahoo.com
161 Fox St.
Hubbard, OH 44425-2122

Status changes in AM stations, supplied by the FCC and listeners

CALL LETTER CHANGES

Old call	New call
1070 *New MN Verndale	KVKK
1210 KBSG WA Auburn	KNWX*
1300 WCOZ WV St. Albans	WJYP
1340 KAVC CA Mojave	KTPI
1420 WCLV OH Cleveland	WRMR
1490 WDWZ GA West Point	WRLA
1570 KHPN CO Loveland	KSXT

Journal Broadcast Group
SPRINGFIELD, OH 45502

KTTS-FM • KTFM-AM • KSPW-FM
P.O. Box 2180
Springfield, MO 65801

ADDRESS SERVICE REQUESTED

*Note: No word yet of what call will replace KNWX on 770 kHz in Seattle

APPLICATIONS FOR NEW STATIONS

540	WY	Pine Bluffs: 900/700 U4
850	BC	Abbotsford: 10000/10000 U4 (replaces the defunct CFSR facility and will relay 92.3 FM from Vancouver)
880	FL	Florida City: 1000/1000 U4
1160	MO	Cleveland: 215/215 (215 CH) U7

GRANTS FOR NEW STATIONS

880	TX	Midland: 2000/500 U4
960	FL	Golden Gate: 500/500 U4
1490	TN	Lebanon: 1000/1000 U1
1640	MS	Biloxi: 10000/1000 U1

APPLICATIONS FROM EXISTING FACILITIES

980	WPGA	GA	Perry: 2600/8 U1
1020	WNTK	NH	Newport: to 1010 kHz with 10000/37 (10000 CH) U1
1060	WIXC	FL	Titusville: 50000 (17000 CH) D4 (reapplication)
1220	CFVM	PQ	Amqui: to 99.9 FM
1260	CBRU	BC	Squamish: to 1270 kHz with 400/200 U1
1360	KHNC	CO	Johnstown: 10000/450 U2
1370	KJL	WY	Cheyenne: 1000/8 U1
1390	WEED	NC	Rocky Mount: 5000/30 U1
1400	KIGO	ID	St. Anthony: to 1420 kHz with 50000/16 U1
1400	WWNZ	ME	Veazie: 1000/810 U1 (while there is no night interference protection between Class IV US stations, facilities near the Canadian border are still required to observe the International Treaty; thus the night power reduction)
1570	WSCO	WI	Appleton: 490/246 U1

GRANTS TO EXISTING FACILITIES

620	CJCI	BC	Prince George: to 97.3 FM
740	WGSM	NY	Huntington: 20000/50 U4
970	CBZ	NB	Frederickton: to 99.5 FM
1080	CKSA	AB	Lloydminster: to 95.9 FM
1230	CKTK	BC	Kitimat: to 97.7 FM
1260	KSML	TX	Diboll: 4500/72 U1
1270	WYXC	GA	Cartersville: 2000/187 U1
1340	CJLS	NS	Yarmouth: to 95.5 FM
1360	WFLW	KY	Monticello: 1000/20 U1

OTHERNESS

640	CFOB	ON	Fort Francis: now running tape loop sending listeners to 93.1 FM indicating that the 640 operation's days are numbered; they were authorized to run this loop for six months.
660	KSKY	TX	Balch Springs: CP for 20000/2000 U4 from new site is on

790	CFAN	NB	Newcastle: CP for 99.3 FM is on; AM facility may be off by the time this reaches you
890	KLFF	CA	Arroyo Grande: CP for 5000/1000 U2 is on
1050	WRFS	AL	Alexander: application for 1000/48 U1 is DISMISSED
1080	WHOO	FL	Kissimmee: application for 35000 D3 is DISMISSED
1130	WCTM	OH	Eaton: silent station is ON THE AIR
1170	WKLN	FL	St. Augustine Beach: silent station is ON THE AIR
1170	KOWO	MN	Waseca: CP for 1000/60 U1 is on
1210	KKHI	WY	Laramie: SILENT
1240	KLOA	CA	Ridgecrest: CP for 820/820 U1 from new site is on
1290	KBMO	MN	Benson: CP for 330/24 U1 is on
1320	KAWC	AZ	Yuma: silent station is ON THE AIR
1400	WFOR	MS	Hattiesburg: silent station is ON THE AIR
1410	WIQR	AL	Prattville: SILENT
1440	WFNY	NY	Gloversville: new station is ON THE AIR
1480	WISL	PA	Shamokin: silent station is ON THE AIR
1520	KDYS	LA	Lafayette: SILENT
1550	WURP	PA	Braddock: silent station is ON THE AIR (bringing the number of operating stations still shown on the FCC's infrequently updated "Silent AM Stations" list to four)

THANKS: Bill Hale, Ed Krejny, Shawn Axelrod, Dave Schmidt, & John Malicky

73 and Good DX, Jerry Starr & Buffalo K. Foonman

Jimmy & BKF

Domestic DX Digest

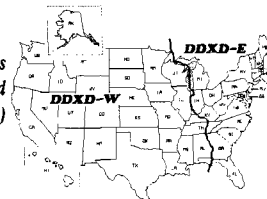
West: Bill Hale w_r_hale@sbcglobal.net

6124 Roaring Springs Drive - North Richland Hills, TX 76180-5552

East: Ginnie Lupi ginnie@nrcdxas.org

PO Box 4014, Clifton Park, New York 12065

(Division line is between East and Central time zones)



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

DDXD-West

MEDIUM WAVE RAMBLINGS

- ❑ Welcome to the "Lucky 13" edition of DDXD-West. The first edition of 'ought three'. We have another dandy turnout of reporters with loggings and tips for you DX enthusiasts. We're back into the weekly grind until Spring, so if you haven't been contributing, it's high time. We're looking for your reports to share with the rest of the readers. I have received TWO e-mail reports over the past couple of weeks from whom I believe are either new members or first-time reporters. However, neither report included a last name. C'mon guys! Help me out here. I welcome all reports, but if I can't confirm that you are a bona-fide member of the National Radio Club or DX Audio Service, I can't print your reports. In both cases, I responded to both reports asking for more information, but neither responded! If you are a new reporter, PLEASE indicate such, and include your full name and location. Optional items include your DX equipment, and e-mail address (if applicable). Best of DX in the New Year!
- ❑ Thanks to **Morris Sorensen** for participating in our DDXD-West Second-state/Province Challenge. His results are on page three of this column. For the next Challenge, 1230 kHz, the deadline is January 10th. For the next week, January 17th, let's hear your DX on one of my favorite frequencies . . . 1460 kHz. Keep those dials a-spinnin', and let's hear from you! Be sure to designate which loggings are for the Challenge. Also needed: ideas for Challenges!!
- ❑ **Art Blair** sends this Internet address for the President's Prayer Teams "American Inspirations" radio station affiliate listing: www.presidentialprayerteam.org/radiolist.htm#ca
- ❑ Comments: "TWO new ones after several days with so-so conditions/luck. I'm at 2041 logged now and had set a goal of 2055 (on 1/1/02) for the year. Don't think I'll hit it, but it HAS been fun trying! Hope everyone had a nice Christmas!" - JJR-WI;

KTAN • K101 • KWCD

REPORTERS

FA-ID Frank Aden Boise FRG-7 with box loop and Drake R8 + 100' N/S long wire <n7sok@aol.com>

RA-CA René Auvray Baker '03 Taurus caradio

RA-NV René Auvray Jean '03 Taurus caradio

SA-MB Shawn M. Axelrod Winnipeg Icom ICR-70/Drake R8/Icom R-7000; 4-foot unamplified box loop/Quantum Loop/Discone/145-foot outdoor wire /100-foot indoor wire/MFJ 102b phasing unit <Saxelrod@mb.sympatico.ca>

GB-FL Gerry Bishop Nicetryville <gerryb4991@cox.net>

BD-WI Bill Dvorak Madison Drake R8B + Quantum QX Pro Loop antenna <dixerak@aol.com>

PG-CO Patrick Griffith Westminster Drake R-8 and Kiwa loop <AM-DXER@webtv.net>

TRH-CA Tim Hall Chula Vista ICF-2010, KIWA Loop <tim_hall_dx@hotmail.com>

WH-CO Wayne Heinen Aurora R-390A and a variety of Loops, wires and boxes <amradiolog@aol.com>

WH-CO1 Wayne Heinen Aurora R-390A, Kiwa Map Unit 10-meter loop N/S orientation

GJ-CA Gary Jackson Sacramento FRG-8800 + Kiwa Loop; telephone

DKK-CA Don Kaskey San Francisco Drake R8A + KIWA Air Loop >kaskeyfamily@yahoo.com>

EL-IL Eric Loy Champaign Drake R8 and Quantum QX <ecloy@netscape.net>

JJR-WI John J. Rieger South Milwaukee Icom IC-R75, Kiwa loop, MFJ-959B tuner/preamp — or— GE SR III, Terk AM1000 loop <johnjrieger@webtv.net>

JTR-OK John Reed Shawnee Sylvania R1414/URR with SE-3, modified KIWA MW loop <jreed@alum.mit.edu>

KR-AZ Kevin Redding Mesa Sony ICF-2010 barefoot or with RS Loop <amfmdx@fastq.com>

RR-IL Richard Ray Downers Grove JRC NRD 545 with a Kiwa loop <Lannyrus@aol.com>

DS-TN Doug Smith, W9WI Pleasant View <http://www.w9wi.com>

MS-MB Morris Sorensen Winnipeg Drake R-8 with Quantum QX Pro loop DX-392 and YB-400 both Barefoot <mosor@shaw.ca>

TT-IL Tim Tomljanovich Byron Yaesu FT-990, Kenwood TS-430S, Hammarlund HQ-145, 160 meter inverted L, K9AY directional loops <k9sb@msn.com>

JW-CO John Wilkins Wheat Ridge Drake R-8 + 4-foot box loop <peakbagger3@juno.com>

Ed.-TX Editor North Richland Hills DX-398 unaided

STATION NEWS & NOTES

640 CFOB ON Fort Frances - 12/20 0545 - Heard running a continuous loop (male voice): *This is AM 640 CFOB in Fort Frances. Please tune to B93 FM 93.1 on your FM dial. This announcement, no doubt, indicates that their permanent move to FM is imminent. (BD-WI)*

640 CFOB ON Fort Frances - 12/20 1832 - Fair, with message loop requesting listeners to tune to B-93, 93.1 on your FM dial. **Presume they will be vacating 640 soon.** Thanks to Bill Dvorak for posting this on NRC's AM tips. (MS-MB)

640 CFOB ON Fort Francis -12/25 0800- Good signal, with continuous loop telling you to tune to 93.1 B FM. Looks like they will be gone soon. Best try for them now if you need them. Loop is about 20 seconds long and repeats constantly with CFOB IDs. At least one Canadian station ID's properly . . . HEE HEE. (SA-MB)

770 KNWX WA Seattle - Is scheduled o move these calls and its format to 1210, now occupied by KBSC. 770 will get new calls and an all- talk format. (100000watts.com)

960 KNDN NM Farmington - 12/1 2252 - 2301 - Navajo Language programming with C&W music. ToH ID: *All Navajo All the Time.* KNDN Farmington followed by Community Calendar, dates and times and some event types in EE. Excellent on peaks. **Per QSL, new schedule is 0800-2400 ELT.** (WH-CO)

1210 KKHI WY Laramie - 12/23 - Reported to be silent. (DX-midAmerica.com)

1380 KSLG MO St. Louis - 1/12 - Changed from southern gospel to sports (mostly from the Sporting News Radio network). (100000watts.com)

1530 KFBK CA Sacramento - 12/16 0410 - Noted briefly off the air. Music noted weakly in the noise. Sounded Spanish. But KFBK was back on at 0412 although it sounded like they had their backup going as QRM still noted beneath them. (DKK-CA)

1550 KYAL OK Tulsa - Changes its format to a simulcast of sports // WWLS-640. (100000watts.com)

1670 KHPY CA Moreno Valley - 12/16 - Talked to owner of station. He said they have only been testing about one hour so far (and Pat Martin heard them!). They are readying to go on the air full time and **should be on right after the first of the new year.** So look for another new X-bander. No testing as of 12/20. (GJ-CA)

UNIDs and UNID HELP

640 UNID ?? - 12/14 1947 - Good, with *Images of Christmas* from Moody Broadcasting. Faded before 1900 ID time to Toronto's MOJO Radio. Tim Hall says that WCRV Collierville, Tennessee has some Moody programs. (MS-MB)

1130 UNID ?? - 12/23 1753 - Poor, in SS, way under local WISN. Listened 15 minutes. WLBA? WMGA? KTRM? I'll never know! (JJR-WI)

1180 UNID ?? - 12/18 0724 - Poor under WHAM, with C&W music by the Judds, temperature of 45 and more music. Forty-five degrees here at the time also. Gave up at :45 after fading and segues w/no calls. (JJR-WI)

1330 UNID ?? - 12/16 0715+ - UNID SS station under nulled KFH. Coming from the east or west. No clue here. [Ed.-TX]

1310 UNID ?? - 12/12 0434-0505+ - SS looped in atop KEIN/KFKA with format of dance music (sambas-rumbas, etc) in SS. Seemed to be a local production not satellite. Did not note any ID throughout, even though the signal was atop most of the time. (DKK-CA)

1440 UNID ?? - 12/16 0735+ - With a repeated CBS Channel 44, followed by a hideous tone. KTNO nulled. [Ed.-TX]

1620 UNID ?? - 12/20 0905 - With pulsing type signal similar to a warble jammer, exactly on 1620.0. Either someone had a transmitter unattended or a jammer is being tested. The signal is N/S from Mesa. Perhaps KBLI is unattended? (KR-AZ)

DX AND EQUIPMENT TESTS

1450 WILM- DE Wilmington -12/15 - I've been through the tapes at least twice, with emphasis further on the promising spots, and I got nothing. Great they tried, had hoped for better. Fully Murphy'd at 0100 and 0200; not one discernable ID at either ToH. (GB-FL)

1450 WILM- DE Wilmington - 12/15 0100-0230 - Nothing heard on either receiver's tape recordings. (FA-ID)

TIS & OTHER STUFF

1610 WPSG912 CA Mountain Pass - 12/4 1835 - Mentioning traffic volume on holidays and weekends; broadcasts to be updated. Signal gaining strength from I-15/Nevada Highway 161. (RA-NV)

1610 WPSG912 CA Mountain Pass - 12/19 - Giving weather conditions. Station must get out well for being in the mountains. Heard at well over 200 miles in Hanford. CalTrans is a good verifier, as got one from here back in less than a week. Two other TIS stations in Fresno are giving info on fog conditions. (GJ-CA)

SECOND-ADJACENT STATE/PROVINCE CHALLENGE

Second Adjacent State Challenge (AB, QU, SD, MT, IA, WI eligible. All but QU heard. Some obvious stuff like KXEL, WHO, KSOO, etc. omitted - MS-MB;

660 CFFR AB Calgary - 12/14 2159 - Fair, with ad for Sleep Country Mattresses, various Calgary ads including Calgary Diamond Exchange and Red Lobster. ID as *Calgary's home for great oldies*, CFR. (MS-MB)

770 CJQR AB Calgary - 12/13 1756 - Fair with local ads, ad for Helix-treated Canola Seed, promo for traffic report, mention of Corus Radio Network, and mention of . . . *seven degrees in downtown Calgary*, and into news. (MS-MB)

910 WSUI IA Iowa City - 12/13 1742 - Fair with NPR special of a press conference concerning a U.S. senator. (MS-MB)

960 CFAC AB Calgary - 12/13 1824 - Good with ad for a Calgary GM Dealer and ID as *Calgary's Sports Radio-The Fan 960*. (MS-MB)

1000 KXRB SD Sioux Falls - 12/17 1658 - Good, with weather for Black Hills and other South Dakota locations. (MS-MB)

1070 WTSO WI Madison 12/14 2155 - Good with Madison ads, then . . . *back to Milwaukee*

Bucks Basketball on ESPN Radio-1070. (MS-MB)

1170	WFDL	WI	Waupun - 12/14 1825 - Good with sports, Wisconsin ads and several WFDL IDs. Previously logged as WMRH. (MS-MB)
1180	KOFI	MT	Kalispell - 12/13 1818 - Good with <i>Felice Navidad</i> and ID as <i>News Talk Oldies KOFI</i> . Talk about a <i>George W. Bush talking doll</i> . (MS-MB)
1210	KOKK	SD	Huron - 12/13 1939 - Good with ad for <i>Lonestar Casino</i> and PSA for Christmas Charity drop-off at KOKK studios at 1835 Dakota Ave. in Huron. (MS-MB)
1300	KGLO	IA	Mason City - 12/13 2150 - Good with <i>Iowa Hawkeyes vs. Iowa State Cyclones</i> basketball, and Iowa ads. (MS-MB)
1310	WIBA	WI	Madison - 12/13 1658 - Fair, with local ads and program announcements. ID as <i>1310 WIBA</i> . (MS-MB)
1320	KELO	SD	Sioux Falls - 12/14 2300 - Good, with ID by male as <i>KELO Sioux Falls</i> followed by AP Network News. (MS-MB)
1350	KRNT	IA	Des Moines - 12/15 1958 - Good, with American standards, KRNT ID sung out. (MS-MB)
1370	KDTH	IA	Dubuque - 12/13 1932 - Good with <i>Iowa Hawkeyes vs. Iowa State Cyclones</i> pre-game show on Hawkeyes Radio Network. (MS-MB)
1380	KOTA	SD	Rapid City - 12/18 0657 - Good, with info on 511 number for SD road conditions, ads for <i>Littletons Jewelers</i> in Rushmore Mall and <i>Pearl Vision</i> . (MS-MB)
1470	KWSL	IA	Sioux City - 12/18 0700 - Good, with anti-child abuse PSA and mention of 24 hr. sports on <i>Fox Sports KWSL Sioux City</i> . (MS-MB)
1480	KSDR	SD	Watertown - 12/14 1758 - Poor, with ID by female <i>Right here on KSDR Watertown</i> . NEW! (MS-MB)
1600	KCRG	IA	Cedar Rapids 12/17 1751 - Fair, with sports trivia contest, announcer said <i>You're on KCRG</i> . (MS-MB)

REGULAR DX LOGGINGS (times in ELT)

550	KFYR	ND	Bismark - 12/14 0307 - Good, with ID into music. (TT-IL)
560	KSFO	CA	San Francisco - 12/20 0915 - Talking about why MSNBC and CNN News are losing listeners and viewers to FOX, into weather. (KR-AZ)
560	KLVI	TX	Beaumont - 12/23 0705 - Call ID and news from Beaumont. Good signal. (JTR-OK)
570	CKGL	ON	Kitchener - 12/12 2000 - Fair, despite CKY-580 splatter, with <i>Kitchener Rangers vs. Windsor Spitfires</i> hockey. Ad for <i>Nickleson's Realty</i> . NEW! (MS-MB)
580	WGAC	GA	Augusta - 12/27 0653 - Poor, though alone, with <i>News Talk 580 WGAC</i> and news. (JJR-WI)
580	WIBW	KS	Topeka - 12/23 0738 - Poor, with several local ads, calls and weather atop frequency. (JJR-WI)
600	WREC	TN	Memphis - 12/27 0806 - Fair, in WMT null, with traffic/weather, and calls. Not common. (JJR-WI)
610	WAGG	AL	Birmingham - 12/27 0650 - Fair - way over anything, with <i>Heaven 610 WAGG</i> . Rare! (JJR-WI)
610	CHNC	QU	Carlisle - 12/26 0549 - Good @ 40/9, with FF talk, Quebec insert with calls, FF chatter on sports. Dominating. (JJR-WI)
640	WWLS	OK	Norman - 12/18 0714 - Fair-to-good, with sports talk, mentions of WWLS and <i>The Sports Animal</i> . (MS-MB)
640	WWLS	OK	Moore - 12/22 0748 - Poor, with 640, 105.3 and now 1550! WWLS... ESPN through WMFN's OC which had been running at least two hours! (JJR-WI)
640	WCRV	TN	Collierville - 12/16 0717 - Fair, with legal ID and promos. Usually never in. (JJR-WI)
650	CKOM	SK	Saskatoon - 12/14 0335 - Good, with ID, sports talk from ESPN. WSM nulled. (TT-IL)
660	KGDP	CA	Orcutt - 12/26 0600 - ToH ID and Pastor <i>Larry Burkett</i> with an ad telling people to donate money to non-commercial Christian stations. (KR-AZ)
670	WSCR	IL	Chicago - 12/22 0045 - Running a Fox Sports Radio program and <i>Bruce Jacobs</i> . Jacobs has the type of voice that cuts through anything. Under K1.TT. New. (KR-AZ)
710	WTPR	TN	Paris - 12/16 0712 - Poor-to-fair and alone with calls into ads. (JJR-WI)

730	KWRE	MO	Warrenton - 12/23 0830 - Fair, with calls, news, weather, and local ads. Alone. (JJR-WI)
770	WAIS	OH	Buchtel - 12/24 0738 - Poor, with calls and C&W music. No WABC. (JJR-WI)
790	KXXX	KS	Colby - 12/22 0744 - With Christmas music and <i>Bing Crosby</i> and the <i>Andrews Sisters</i> singing <i>Santa Claus is Coming to Town</i> and IDing at the end as <i>K-Triple X</i> . (KR-AZ)
790	WXXA	KY	Louisville - 12/13 0724 - Poor, with weather and <i>Extra Sports 790</i> non-ID. Chased for three days! Fox Sports. Rare! (JJR-WI)
800	CKDR	ON	Dryden - 12/13 0722 - Fair, though faded to poor. Calls and morning chatter after song. No CKLW. (JJR-WI)
830	KPLS	CA	Orange - 12/18 0245-0255 - Fair-to-nothing, in WCCO null, with talk show. Clear call IDs at :45 and :55. VERY occasionally equal to WCCO, with some SS interference. New, and thanks to KAZ for the tip! (EL-IL)
880	CKLQ	MB	Brandon - 12/13 0712 - Poor - steady with long news cast. Finally a jingle and C&W. WCBS nulled. (JJR-WI)
900	CKBI	SK	Prince Albert - 12/13 0742 - Poor - calls, detailed regional weather over others. (JJR-WI)
910	KLCN	AR	Blytheville - 12/12 2300 - Excellent, with <i>At work, at home, or in your sleigh - holiday music throughout the day</i> , KLCN 910 AM. (DS-TN)
910	KLCN	AR	Blytheville - 12/13 0703 - Fair, alone with calls and Christmas song. (JJR-WI)
910	KLCN	AR	Blytheville - 12/27 0801 - Poor, with legal ID. In with unID SS. (JJR-WI)
910	WFVR	GA	Valdosta - 12/12 1800 - Fair, with <i>910 AM Traveler Information Radio</i> and... <i>right here in Georgia</i> . (DS-TN)
910	WAKO	IL	Lawrenceville - 12/13 0600 - Poor, with ID mentioning <i>103.1 FM</i> . (DS-TN)
910	WABI	ME	Bangor - 12/26 0519 - Poor, though clear. Alone with ads, weather, PSA, <i>AM 910 WABI</i> and <i>Westwood One's NOS</i> format. Maine #2. NEW! (JJR-WI)
910	KVIS	OK	Miami - 12/13 2200 - Quick calls - probably a complete legal ID but channel too messy to copy. (DS-TN)
910	KSDN	SD	Aberdeen - 12/11 2259 - Fair, with sports talk and ID as <i>Clear Channel KSDN, Aberdeen</i> . (MS-MB)
930	WEOL	OH	Elyria - 12/18 0703 - Poor, with calls, local news. I with two-three others. (JJR-WI)
930	CJCA	AB	Edmonton - 12/16 0345-0400 - With Christian Contemporary music + Christmas Carols. ID at 0400. Was dominant with KSEI way under. (DKK-CA)
950	KJR	WA	Seattle - 12/16 0340+ - With sports, over/under XEKAM. KAH1 was apparently knocked off the air by the storm. KJR has become rare here. (DKK-CA)
960	KMA	IA	Shenandoah - 12/27 0744 - Poor, in WSPT null. Calls and TC. Rare! (JJR-WI)
970	KNEA	AR	Jonesboro - 12/27 0705 - Poor with station promo, calls, and an ad. (JJR-WI)
980	KUPI	ID	Ammon - 12/26 0650 - With slogan ID: <i>Cupie 98, Idaho Falls</i> . Playing <i>Paul Simon Slip Slidin' Away</i> and into <i>Sammy Davis Jr</i> , singing <i>What Kind of Fool Am I?</i> New. (KR-AZ)
1020	KOKP	OK	Perry - 12/26 0604 - Poor in KDKA null, with... <i>the forecast for Northern Oklahoma on Double Talk Radio</i> . NEW! (JJR-WI)
1030	WWGB	MD	Indian Head - 12/22 0719 - Poor, with WBZ, with <i>Power 1030</i> & urban gospel. (JJR-WI)
1040	WHO	IA	Des Moines - 12/16 0335 - Popped in with decent signal in CKST's null, carrying <i>Truckin' Bozo</i> . After moving the antenna, I couldn't find them again? (DKK-CA)
1070	KFTI	KS	Wichita - 12/16 0019 - C&W oldies and promo for the <i>KWCH-TV Storm Team Weather</i> . AM 10-70, <i>The Ranch</i> logo between every song. Good, in null of KNX. (PG-CO)
1080	KSLI	UT	Price - 12/15 0659 - IDs during the hour as <i>KASL</i> and playing classic country format: <i>George Jones</i> with <i>She Thinks I Still Care</i> . ToH ID as <i>KASL - KSLI Price, UT, United States of America</i> . New, for call change. (KR-AZ)
1110	WBCA	AL	Bay Minette - 12/22 0700 - Call ID, C&W music and news. New here. (JTR-OK)
1130	KWKH	LA	Shreveport - 12/16 0744 - Poor, though steady in local WISN null, with Fox Sports Network and <i>AM 1130 The Fan</i> non-IDs. Legal ID @ ToH. (JJR-WI)
1140	KCLE	TX	Cleburne - 12/15 2107 - Call ID with oldies. Over/under SS stations. (JTR-

1140 CHRB AB OK
High River - 12/26 0700 - With C&W and ID as *Southern Alberta's Community Station* and into more C&W before being overtaken by an XE. Second Canadian station of the season. (KR-AZ)

1150 WJBO LA **Baton Rouge - 12/16 0718** - Call ID, traffic reports and weather. New here. (JTR-OK)

1150 KAGO OR **Klamath Falls - 12/26 0705** - With news and into ad for Dr. Laura with calls given in the ad. Semi-local KCKY running OC this morning. New. (KR-AZ)

1150 CJRC QU **Gatineau - 12/26 0600** - Very good, with FF chatter and no CKOC at all. (JJR-WI)

1160 WYLL IL **Chicago - 12/16 2030** - Faded up briefly over WKCM with call ID and health ads. Last heard as WSCR in 1998. (JTR-OK)

1160 WKCM KY **Hawesville - 12/16 2020** - Call ID, C&W music, weak in loop null of KSL. (JTR-OK)

1180 WXLA MI **Dimondale - 12/26 0737** - Poor in WHAM null, with *Mix 1180 WXLA*, TC, and chatter. (JJR-WI)

1210 WPHT PA **Philadelphia - 12/17 0655** - Call ID, *Imus in the Morning* talk. Fair signal. (JTR-OK)

1230 KQIK OR **Lakeview - 12/18 0306** - Briefly atop, with ID after ads and PSA. (DKK-CA)

1250 KHIL AZ **Willcox - 12/4 1903-1908** - AP Network News, then announcement that donations may be dropped off at station, into a C&W song. (RA-CA)

1260 KTRC NM **Santa Fe - 12/14 2355-0000** - *Carl Angeloff* talk program, ToH *KTRC Santa Fe* ID and CNN News. Last logged as KVSF. (WH-CO1)

1270 WXGO IN **Madison - 12/17 2055** - Heard briefly with call ID and oldies (Chuck Berry). Soon lost in QRM. New here. (JTR-OK)

1270 WMKT MI **Charlevoix - 12/24 0058** - Poor, over WKBF, with calls after Jim Bohannon show. (JJR-WI)

1290 KUMA OR **Pendleton - 12/13 1820-1831** - Very strong signal, atop KPAY/KAZA with *Lars Larson Show* (out of Portland). At 1831 they gave an ad for Hermiston Radio Shack when it suddenly disappeared. Their December sunset antenna/power change isn't until 1915. Weird! (DKK-CA)

1300 KPTL NV **Carson City - 12/12 0432** - Solid, atop with Oldies. KMKY off. (DKK-CA)

1300 WIBR LA **Baton Rouge - 12/18 0725** - Talk on Salvation Army in Baton Rouge. (JTR-OK)

1300 KMMO MO **Marshall - 12/18 0720** - Briefly heard with ag news from Missouri. (JTR-OK)

1300 KAPL OR **Phoenix - 12/12 0434** - Boomed atop, with Christian talk show. (DKK-CA)

1310 KFKA CO **Greeley - 12/12 0430** - Briefly atop, with ESPN Sports talk. KMKY off. (DKK-CA)

1310 WTTL KY **Madisonville - 12/18 0730** - Very weak in QRM with partial ID. New here. (JTR-OK)

1310 KEIN MT **Great Falls - 12/12 0422** - Atop, with Christmas songs and ID. Local KMKY was off at the time. (DKK-CA)

1320 KYHN AR **Fort Smith - 12/25 0300** - Fair, out of ads, with ID // 1650 KWHN. Many Oklahoma mentions. (JJR-WI)

1320 KOZY MN **Grand Rapids - 12/27 0700** - Poor but alone, with legal ID and ABC News. QSL'ed years ago. One of 13, hi! Rare! (JJR-WI)

1320 WJAS PA **Pittsburg - 12/11 1734** - Fair, with local ads, ID, music toyland [??-Ed.]. (TT-IL)

1330 KWLO IA **Waterloo - 12/10 1831** - Nice ID: *Stars 1330, KWLO Waterloo* with ad for *Mailbag*. Not a regular here. Boomin' in though!! (RR-IL)

1330 KFH KS **Wichita - 12/26 0633** - Fair, with Jay Leno skit, weather with calls and *Coast-to-Coast AM*. (JJR-WI)

1340 KATA CA **Arcata - 12/17 0400** - ID: *Home of the Oakland Raiders, KATA Arcata-Eureka*. (DKK-CA)

1340 KEWE CA **Oroville - 12/15 0525** - Poor-to-fair, with NOS. Fighting six other stations (KXEQ, KRLV, KIST, KCBL, another NOS station and a classic country station). Faded up for ID. New, for California #306 and breaks my old GYDX record from 2000 train trip. (TRH-CA)

1340 KGLW CA **San Luis Obispo - 12/19 0206** - ID after news and ads. (DKK-CA)

1340 KTMM CO **Grand Junction - 12/16 0800** - ToH ID after piece by *The Rutherford Institute*. Uses slogan *The Ticket* and has Fox Sports. Ad for sports betting with Troy

1350 KGHF CO **Pueblo - 12/22 2045** - Ads for Pueblo area, then into a football game. Weak and fading. (JTR-OK)

1370 KWRT MO **Boonville - 12/17 0232** - Poor, in and out of mix, with ID into music. (TT-IL)

1370 WWCB PA **Corry - 12/9 2011** - Mentions of surrounding cities Warren and Union City, *Power 1370* and 814 area code. New here. (RR-IL)

1370 KSOP UT **South Salt Lake City - 12/18 0330** - Atop (local KZSF off) with ads and ID. Then C&W music. *Gold Country-AM 1370*. Sometimes adding KSOP at the end. (DKK-CA)

1370 KJLL WY **Cheyenne - 12/14 2052-2300** - NOS and seasonal music. ToH ID: *Cheyenne's Jewel, KJLL 1370* and CNN News. Never noted at night before. (WH-CO1)

1380 WWMI FL **St. Petersburg - 12/14 1755** - Radio Disney... *AM 1380 WWMI St. Petersburg, Tampa* by young girl. Had to listen to recording on minidisc to verify, but no question of ID. New here!!! (RR-IL)

1380 KLIZ MN **Brainerd - 12/12 1758** - *We're the one to turn to for news, information and entertainment. We're 1380 KLIZ Brainerd, Baxter. The national news is next.* Strong for 10 minutes. New here. (RR-IL)

1380 KSRV OR **Ontario - 12/16 0822** - With ID and morning news program about agricultural issues. Under an unID REL station. Hard to pull out, but in a reverse Murphy every time they gave the ID it was clear. I love it when a plan comes together. New. (KR-AZ)

1380 KHEY TX **El Paso - 12/14 2005-2015** - *El Paso Hockey on KHEY 1380* and play by play through fade out. (WH-CO1)

1390 KRRZ ND **Minot - 12/13 0143** - Fair, in the mix, with ID: *KZZR Good Time Rock and Roll*. (TT-IL)

1400 KDRG MT **Deer Lodge - 12/12 1834** - Poor, with what sounded like a review of the week in sports. Clearly heard... *on KDRG. NEW!* (MS-MB)

1420 KMOG AZ **Payson - 12/18 0320** - Popping in and out with C&W music. (DKK-CA)

1420 WVJS KY **Owensboro - 12/13 0330** - Good, with ID into Christmas music. (TT-IL)

1440 WJLL NY **Niagara Falls - 12/22 0649** - Poor, out of ad, with calls and oldie. (JJR-WI)

1450 CHUC ON **Cobourg - 12/17 1653** - Fair, with Port Hope ad then ID as *Classic Hits*... **1450 CHUC. Has been granted move to 1580.** (MS-MB) [Yes, so if you haven't logged CHUC here, you'd better hurry! - Ed.]

1480 KSDR SD **Watertown - 12/11 1755-1811** - Weak in the mix, with hockey talk, ABC News, *Arbys* ad, local news, and ID. (TT-IL)

1490 KSYC CA **Yreka - 12/17 0334** - Call ID in hash. (DKK-CA)

1490 WZOE IL **Princeton - 12/25 1923** - Fair, with two local ads on fade in/out. (JJR-WI)

1490 WIGM WI **Medford - 12/12 1805** - Fair, in fade up, with calls, and weather after ABC News. Rare! (JJR-WI)

1520 KVTA CA **Ventura - 12/20 0823** - In a little sliver of a KOMA's null with *Daybreak USA*, then ad for *On the House* giving the call for KVTA and program times. (KR-AZ)

1540 KMPC CA **Los Angeles - 12/20 0900** - Sporting News Radio, NO ToH ID, then into *Sporting News Flash*, talking about Los Angeles Kings hockey. (KR-AZ)

1550 KUAT AZ **Tucson - 12/4 1830** - Talk about being part of National Public Radio and simulcasting on KIAZ-FM, then weather for Tucson. UnIDs in background. (RA-NV)

1560 KLNG IA **Council Bluffs - 12/17 0925** - End of REL program sponsored by John Higgins Ministry, then ID by guy: *You're listening to Christian Radio KLNG 1560 AM Council Bluffs - Omaha*; SRN News followed. Briefly fair, mixing with KKAA. Also heard that same afternoon, much better with KKAA having powered down, at 1745 EST with REL music and SRN features up to 1759:53 ID: *Singing to the Lord a new song, this is the Word and Praise on 1560 KLNG Council Bluffs* with no mention of Omaha this time. Good until power cut at 1800:30. New catch, for Iowa #42. (JW-CO)

1560 WPAD KY **Paducah - 12/17 0143** - Good, with ID and Christmas music. (TT-IL)

1570 KVTK SD **Vermillion - 12/4 1950-2000** - ESPN programming with a brief *KVTK Vermillion. The Ticket* ID at :58. Finally able to ID this ESPN regular! (WH-CO)

1570 KVTK SD **Vermillion - 12/17 0825** - *Local Sports Center* with local high school basketball and gymnastics results, sponsored by First Dakota National Bank. ID as *ESPN Radio 1570*. Fair signal. (JW-CO)

1590 KLFE WA Seattle - 12/14 0856 - With a Christmas carol, then a legal ID at 0859:54: K-Light, Light at 1590, KLFE Seattle and into a REL program. Fair in partial KVGB null. (JW-CO)

GRAVEYARD DX UPDATE

* indicates a record held by a DXer from North America (excluding Alaska)

1340 kHz:

KEWE	CA	Oroville	Tim Hall	Chula Vista, CA	Miles *538
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Remember all the GY DX records are on line at: www.angelfire.com/tx2/phantom2/index.html

DDXD-E

Herb Newberry of Newborn, GA writes that Robert Pote's UNID in Issue 11 (December 16) is WFVR in Valdosta, GA. He states: "they always ID on the hour, sometimes at the BOH. Format similar to WTIR-1680-WinterGarden, but 910 is more "Florida" oriented, while WTIR is more "Orlando-Disney World" oriented."

The Frequency Challenge continues to generate a lot of discussion and loggings! Reporters netted 18 different stations and one UNID for the 790 challenge, which spanned a two-week period. *The intent of the challenge is to have everyone listening to the same frequency during the same period of time, so please try not to "jump ahead".* Those of you who submit loggings via surface mail should probably listen for the first few days of the challenge and then mail your logs so they arrive on time for publication.

REPORTERS

MKB-ON Mike Brooker, Toronto - Panasonic RF-2200; RFB-45.
SC-IN Steve Chappell, McCordsville - Bearcat DX-1000; 3 terminated loops.
SC-ON Saul Chernos, Burnt River - Sangean ATS909 and Realistic TRF655 portables and RadioShack loop and two longwires (1000 feet NE-SW, 400 feet N-S).
BC-NH Bruce Conti, Nashua - R8B, MWDX-5, 50/75/50-ft east/west Double-Ewe antenna.
PC-VA Perry Crabill, Winchester - Drake R8, Kiwa Loop, 100' wire.
RJE-PA Russ Edmunds, Blue Bell - Hammarlund HQ-150 w/ 4' amplified air core loop.
RJE*PA Russ Edmunds, Blue Bell - Car radio & whip.
JF-ON Jeff Falconer, Clinton - AOR AR7030+, pair of 130' EWE antennas, MFJ-1026 phase box, etc.
SF-NY Scott Fybush, Rochester - Drake R8A, McKay Dymek DA5 amplified ferrite rod.
SF*NY Scott Fybush, on NY Thruway at exit 49, Cheektowaga (near Buffalo) - Factory Delco radio in 1996 Saturn.
PG-MA Phil Greenspan, Marshfield - Superadio III with Select-A-Tenna.
HJH-PA Harry Hayes, Wilkes-Barre - HQ-180, Kiwa Pocket Loop, Superadio II.
MH-MA Mic Healey, Swansea - GE SuperRadio.
MH-FL Mic Healey, Orlando - Sony Walkman SRF-M35
MH*FL Mic Healey, Venice - Sony Walkman SRF-M35
RWK-CT Rick Kenneally, Wilton - Drake R8B, Sony 2010, Quantum Phaser & QX Loop, lots of wire.
DL-MD Dave Larrabee, Columbia - Icom 8500 on random wire or loop.
DL*MD Dave Larrabee, Columbia - TenTec RX340 on a long wire operating unattended gathering 4 minute audio samples at the top of the hour.
GM-FL Greg Myers, Clearwater - Sony ICF-2010, Kiwa "pocket loop" w/PRM.
HN-GA Herbert Newberry, Newborn - Kenwood R-5000, Quantum Loop, 600' longwire.
JR-NY Jim Renfrew, Byron - Drake R8, 1000' west, 1000' northwest, Quantum Phaser.
RR-NC Rick Robinson, Hendersonville - Sony 7600GR and Radio Plus Q-Stick, National NC-183D and 500' E-W long wire.
JJR-PA Joe Rocchino, Cuddy - Realistic DX-370 and Optimus SuperRadio Clone, RS Loop Antenna.
AR-ON Andy Rugg, Ontario Route 401, east of Cornwall - car radio.
DS-NY Dave Schmidt, on I-90 east of Utica - Ford Escort car radio.
JV-NY John Vervoort, Brooklyn - Yacht Boy 400PE.
PEW*SC Powell E. Way, West Columbia - Hammarlund HQ-180C.

DDXD-E

Frequency Challenge

Deadline Frequency

January 8	930
January 15	1330
January 22	1600
January 29	570
February 5	1280
February 12	910

PEW*SC Powell E. Way, West Columbia - DX-398.
PEW+SC Powell E. Way, West Columbia - Cutlass car radio.
NJW*ON Niel Wolfish, Burnt River - AOR-7030+ with Quantum Loop antenna and Saul Chernos' longwire antenna.
NJW-ON Niel Wolfish, Toronto - SONY ICF-2010 and Quantum Loop antenna.
GAW-MA Garrett Wollman, Framingham - Sony 2010 barefoot.
LW-NY Leslie Wood, East Meadow - Sony 2010, Radio Shack loop.

STATION NEWS

530 CJFT ON Fort Erie - 12/12 2225 - Heard my semi-local simulcasting 88.5 CKDX Newmarket, ON with "Foxy 88.5" and nostalgia music. Later reverted to normal multilingual. They are co-owned and this may occur occasionally. (SC-ON)

DX TEST

1450 WILM DE Wilmington - 15/12 0106 - Very faint morse code in mess of stations. A relog but thanks for the test! (SC-ON)

FREQUENCY CHALLENGE - 790 kHz

790 WTSK AL Tuscaloosa - 12/11 2138 - "Bring your church bulletins to WTSK" "WTSK 7-90 The Truth" ID. (RR-NC)
WAXY FL S. Miami - 12/12 0020 - Interview show in progress regarding a small computer repair specialist company called "Dial a Nerd". (MH*FL)
 + 12/12 2100 - Excellent signal, way on top, with promo for upcoming show "...every Thursday at 11:00 right here on Waxy 7-90" then ID, song ID, and talk show "Business of Show Business". New. (RWK-CT)
 + 12/23 0640 - Talk show on newborn babies with discussion of Florida child seat laws. "Back to South Florida Today on WAX-Y 790." (RR-NC)
WQXI GA Atlanta - 12/14 0935 - Home improvement show on "Atlanta's sports leader, 790 The Zone." (RR-NC)
 + 12/15 1645 - Fair with GA Tech Basketball coverage. ID as "The Zone". Fair signal and alone. (HJH-PA)
WGRA GA Cairo - 12/23 0650 - "Christmas music starting Christmas Eve here on News Talk 7-90 WGRA 'Cay-ro.'" (RR-NC)
WXXA KY Louisville - 12/11 1943 - U of Kentucky football call-in show" on "Extra 7-90 Louisville." (RR-NC)
 + 12/23 0706 - Ad for Louisville Help Wanted, ID as "Your home for Fox Sports radio ... 790." New. (SC-ON)
WSGW MI Saginaw - 12/14 1800 - Nice surprise in mix with "Newsradio 7-90 WSGW" and CBS News. Heard even better two nights later. New. (RWK-CT)
WTNY NY Watertown - 12/17 1900 - Break in talk show, mention "This is Westwood One", then "Northern New York's newstalk.... WTNY, Watertown" into CBS News. Better at 2000. (RWK-CT)
 + 12/18 0800 - winning dogfight over CIGM with ID as "hour number 4 of Watertown's morning news is coming up next, on 790 WTNY" into CBS World News Roundup. (MKB-ON)
WLSV NY Wellsville - 12/11 2100 - Almost buried in WLAD-800 slop with "Your home for Real Country, WLSV Wellsville." New. (RWK-CT)
 + 12/24 0833 - ID as "AM 790 WLSV news time is 8:33" into news on the Allegheny County legislature's meeting for the final time in 2002, then lost to WTNY. (MKB-ON)
WAEB PA Allentown - 12/11 1630 - Under WSKO with announcer: "Local news & traffic & weather together on Newsradio WAEB" and into commercials. (RWK-CT)
 + 12/15 0806 - over CIGM with "News radio AM 790 WAEB" ID, "WAEB" jingle, local weather read by woman. (MKB-ON)
WPIC PA Sharon - 12/11 1630 - Strong and briefly alone on frequency with Clark Howard, ad for Club South fitness center, then "The station that's in touch with you, 7-90 WPIC", then local news. New. (RWK-CT)
 + 12/11 2055 - "Newstalk 790 WPIC," phone number ending in "-W-P-I-C," female talk host, mostly under CFAN, presumed CIGM with hockey and

790WTNY
 THE NEWS AND MORE AT THE STATION

several UNIDs. (SF-NY)

+ 12/17 1700 – caught top of hour ID in graveyard-like jumble: “Serving the Chenango Valley and the Mahoning Valley, this is 790 WPIC”. (MKB-ON)

WSKO RI Providence - 12/11 1758 - Good; local sports talk, “790 WSKO AM Providence, and 99.7 FM WSKO-FM Wakefield-Peacedale, The Score AM and FM, sports and talk that rock!” into *ESPN SportsCenter*. + 12/21 1230 - Noted with *The Bill Parcells Football Show* on *Sporting News Radio*. (BC-NH)

+ 12/12 1725 - Local ads for Pawtucket, RI college sports talk (RJE-PA)

+ 12/13 1800 - Good with usual ESPN programming, full AM & FM ID and “The Score AM & FM. Sports and talk that rock.” (RWK-CT)

WRIX SC Bamberg - 12/17 1500 - ID and female announcer with black gospel music. (PEW*SC)

WQSV TN Ashland City – 12/21 1833 – ID, ads for Gallatin and Ashland, weather (52 F) and central time. New. (SC-ON)

WETB TN Johnson City – 12/14 0929 – “Blessed Way Baptist Church on WETB” “WETB Johnson City, Bristol, Kingsport” ID. (RR-NC)

+ 12/15 1703 – ID by man heard under WNIS and CIGM. May have been also had a gospel preacher a few minutes earlier at 1653. (NJW*ON)

+ 12/20 0759 - Weak: Out of Voice of Prophecy program, “here on Sonshine-79 WETB.” (SC-IN)

+ 12/21 1645 - Nice, down-home gospel song “Stranger Things Have Happened”, then Southern-sounding DJ with “AM 7-90 WETB” ID. The usuals on 790 were missing for about 30 minutes. Nice end to a good frequency challenge. (RWK-CT)

WNIS VA Norfolk – 12/12 1735 - News, ID in mud under WAEB. First time heard with this call. (RJE-PA)

+ 12/12 2022 - Advertising special Alaskan cruise for WNIS listeners “News Radio 7-90 WNIS” ID. (RR-NC)

+ 12/13 2200 - female with ID and then into CBS News at TOH. (PEW-SC)

+ 12/14 0106 – out of CBS news, back to “Coast to Coast” on “newstalk 790, WNIS.” (HN-GA)

+ 12/15 1707 – ID in mix of stations. New. (SC-ON)

+ 12/23 1932 – presumed under CIGM with promo for Virginia Tech vs. Air Force in the inaugural San Francisco Bowl, Dec. 31 on “the Hokies network”. (MKB-ON)

WAYY WI Eau Claire – 12/17 0851 – in CIGM null with drunk driving PSA into “exclusive accu-weather only on WAYY”. (MKB-ON)

CFAN NB Miramichi (Newcastle) – 12/11 1713 - Fair with Paula Abdul “Opposites Attract”, DJ with “7-90 CFAN” ID, and chatter about upcoming songs. After never hearing this previously, it has recently become a regular. (RWK-CT)

+ 12/11 2015 – Presumed with slow-talking man announcing bingo numbers, “O-74, the next number is O-74.” Faded before they announced the phone number to call. Then at 2050 with modern-sounding pop music, calls and mention of upcoming move to FM. New here; suspect they’re leaving day pattern on all night long since they’ll be off AM soon anyway. (SF-NY)

+ 12/11 1728 - Good; “Today’s hits, yesterday’s favorites, 790 CFAN, soon to be found on the FM dial at 99.3” and pop music, with WSKO nulled out. (BC-NH)

+ 12/12 1704 - Various local ads, IDs, pop music and promo for Royal Canadian Legion bingo. Using day equipment because of night-time equipment malfunction. Moving to FM very soon. (SC-ON)

+ 12/12 1730 - Female folk vocal, promo for Miramichi Thunder, per BC-NH tip, under WAEB. New! (RJE-PA)

+ 12/13 0048 – through partially nulled CIGM and ESPN sports talker (likely WSKO) with promo slogan “when news happens you’ll hear it first on 790 CFAN”. (MKB-ON)

+ 12/13 1814 - “The Way You Love Me” by Faith Hill. At 1819, male voice gave ID. “CFAN Satellite Weather, sponsored by Miramichi Tire, 622-0234.” Under WSKO. Clear and strong. (PG-MA)

+ 12/14 1653 – On top of CIGM with spots for Vision Communications, The Squirrel’s Nest and Roussel Toyota; music by Our Lady Peace. Also a promo

for ‘Radio Bingo’, which airs on Wednesday night at 7:30 p.m. (NJW*ON)

+ 12/14 2251 - Very strong at this time and mostly alone. Ad for Subway Subs, “...with 5 locations in The Miramichi”. Music is what I’ll describe as mostly regional folk. Heard previous two days also but weaker. New. (HJH-PA)

CIGM ON Sudbury - 12/11 1600 - End of song “Take Me as I Am”, then Canadian national news at top of hour, sports (which consisted solely of hockey scores) and CIGM weather. Excellent signal over WSKO-RI. (RWK-CT)

+ 12/13 1604 - Good; “CIGM three-day forecast,” then “Today’s country CIGM” jingle, and “Thirty minutes of continuous country start now, Sudbury’s number one station for today’s country, AM 790 CIGM,” over WSKO. (BC-NH)

UNID — _____ - 12/15 1635 – Foreign language sounds like Greek but not sure. This a real SSS mystery! (SC-ON)

UNID OR PRESUMED

570 UNID — _____ - 12/15 2312 – Matt Drudge show heard faintly in local WMCA null, then signal quickly lost. Does anyone have any ideas? I desperately need a new log on 570; however, it’s going to be a rough ride unless WMCA goes silent. (JV-NY) (*Ginnie’s note: this may be WSYR, Syracuse, NY, which carries Drudge’s show.*)

660 KKTYP TX Balch Springs – 16/12 0145 – Uninterrupted bluegrass-country-gospel music with no talk. Listened through 0115 but no talk. Seemed south-southwest. Suspect KKTYP testing new daytime rig. Nice signal beating up on WFAN-NY. (SC-ON)

850 UNID — _____ - 12/20 1825 - heard ending of “The Turning Point” show, then into instrumental Christmas music, and then into CNN news. If there was a local ID, I didn’t hear it. Might be the same station heard on 12/16 either ending or beginning “Love Worth Finding” show at 1700. The latter show lists WYDE-Birmingham on its website (not recognizing new calls). The former shows nothing on 850. If WDJC, previously heard under two prior calls. (RJE-PA)

860 WACBp NC Taylorsville - 12/23 1700 - Presumed with oldies. About even with WOAY, lost also to power cut at 1701, leaving only WAMO/CJBC. (RJE-PA)

930 WGINp NH Rochester - 12/20 0104 - brief mention of Manchester, then into Art Bell. (GAW-MA)

1120 WPRXp CT Bristol - 12/20 0129 - SS tropical music under C&W on nulled local WBNW. New. (GAW-MA)

UNID — _____ - 12/20 2012 – someone chewing up nulled KMOX with C&W music, “Real Country” slogan. WYNO Nelsonville, OH is a possibility if they’re not silent. (MKB-ON)

1170 WFDLp WI Waupun – 12/14 1811 – Under WWVA with Fond Du Lac-Waupun vs. Arrowhead girls hockey. Never heard any ID – last time I heard these guys they were WMRH, but now are listed as WFDL. (NJW-BR)

1300 WRDZp IL LaGrange - 12/16 0104 - probably this one, the only Disney station listed on frequency. Heard several nights in the QRM soup, weakly // 1560. (JR-NY)

1340 UNID — _____ - 12/15 1611 – Somebody on top of WLVL with Latin American music. WALL? (NJW*ON)

1350 UNID — _____ - 12/20 0156 - graveyard-like pileup, with at least four stations running CNN Radio news at the top. One went into local news, another to Sporting News Radio. One unintelligible ID “13-50 W??Y”; perhaps WINY-CT? WOYK-PA has been heard here before and was probably in the mix as well. (GAW-MA)

1570 UNID — _____ - 12/22 1625 – Sports station with ad for the Charred Rib sports bar. (SC-ON)

1580 UNID — _____ - 12/20 2144 – “Nobody does it like the Light, America’s gospel music.” (SC-ON)

1600 UNID — _____ 12/21 1600 – “The Ohio Valley’s leader in sports, ESPN Radio 1600.” Twice did not use calls at the top of the hour. (SC-ON)

STATION LOGGINGS

540 WLIE NY Islip - 12/15 1800 - Very weak with Mike Gallagher Show. Disclaimer that opinions are not those of WLIE. (HJH-PA)

WFLF FL Pine Hills - 12/17 0635 - Ad for window/door contractor with 407 area code

560 **KLVI TX** given 3 times, mixing with WWCS/WLIE. First time with this call. (RJE*PA)
Beaumont - 12/10 0135 - "Listen to Paul Harvey here on newstalk 560, KLVI."
 On top of slop on loop. New. (HN-GA)
WFRB MD **Frostburg** - 12/15 1740 - Good with Steelers Network coverage. WTBO ID.
 (HJH-PA)
 + 12/15 - 1906 - Upsurged with Christmas music. Heard parts of ID's at 1906
 and 1910. Ad cluster at 1914 for sponsors in area code 301. Did not hear
 WFRB call letters but at 1910 heard joint ID mentioning 560 and 1450 WTBO,
 "Cumberland's most listened-to station". Last heard in Montreal on NRC
 TEST back on 1/27/64. (AR-ON)
 570 **KLIF TX** **Dallas** - 12/14 0053 - "Back to the Clark Howard Show here on Talkradio
 570, KLIF." (HN-GA)
 600 **WSOM OH** **Salem** - 12/15 1648 - Announcer Jim Bain with ID as "WSOM AM 600" into
 a Paul McCartney song. No sign of CKAT (for a change). (NJW*ON)
CKAT ON **North Bay** - 12/20 0035 - C&W music, then "Rippin' the rivets off your Wrang-
 lers, Today's Country, AM 600, CKAT". Weak but alone, under local buzz.
 New. (GAW-MA)
 610 **CHNC QC** **New Carlisle** - 12/14 2215 - Very strong and alone with French vocals mixed
 with Christmas things like David Seville's Chipmunks and Elvis's "Blue
 Christmas". Call ID and location at 2230. Location sounds phonetically like
 "New Caroline". (HJH-PA)
 620 **WWNR WV** **Beckley** - 12/22 1905 - Sports program with discussion of West Virginia ath-
 letics and their sponsorship. Program breaks with ads for West Virginia busi-
 nesses. At 2000, "Metro News Network"; also, "On 6-20, WWNR, Beckley;
 and now, CBS covers the world", followed by news. (PC-VA)
 630 **WMFD NC** **Wilmington** - 12/12 0640 - Local high school sports wrap up, local ads.
 (RJE*PA)
CFCY PEI **Charlottetown** - 12/12 1850 - Female vocal, weather, ID atop WMAL.
 (RJE*PA)
 + 12/12 2004 - "630 CFCY," weather, country. (SC-ON)
 640 **KTIB LA** **Thibodaux** - 12/2 0126 - "the best oldies anywhere, here on KTIB" inserted
 into WW1 satellite-fed oldies. WGST absent and no Cubans. Rare catch, first
 time this season. (HN-GA)
WFNC NC **Fayetteville** - 12/15 1835 - Ad for MJ Ladies Apparel. Back into Tom Martino
 "Troubleshooter" program. Good to weak signal. (HJH-PA)
 650 **WNMT MN** **Nashauk** - 12/14 2014 - Minnesota Timberwolves basketball in WSM null.
 (NJW*ON)
 680 **CJOB MB** **Winnipeg** - 12/12 1650 - faded up with ad for Big Iron(?) in Winnipeg. WPTF
 soon took over. (JF-ON)
 690 **WTIX LA** **New Orleans** - 12/20 0605 - Local ads for indoor air pollution, florist and
 limo service. Station ID as "The mighty 6-90, WTIX, New Orleans." New,
 and no sign of usual CINF Montreal. (JJR-PA)
KGGF KS **Coffeyville** - 12/23 0721 - "690 KGGF Coffeyville" in station promo. Strong
 but in very briefly. New. (SC-ON)
 720 **WWII PA** **Shiremanstown** - 12/15 1726 - Very strong w/ad for Honda dealership in
 Harrisburg. Mention that they serve 16 counties, then abruptly off at 1730.
 (HJH-PA)
 730 **WACE MA** **Chicopee** - 12/18 1530 - faded up over CKAC/WPIT with ID "WACE,
 Chicopee". (JF-ON)
WOHS NC **Shelby** - 12/22 2353 - "730 WOHS" ID with that of a partner station. Men-
 tion of NC. New. (SC-ON)
 760 **WMEN TN** **Knoxville** - 12/22 1725 - Knoxville Realty ad (947-9000). New. (SC-ON)
 770 **WLWL NC** **Rockingham** - 12/15 1748 - under WABC with a gospel version of "Silent
 Night". Sign off at 1759 with mention of "Big Wave 77" slogan. (NJW*ON)
 780 **WTME ME** **Rumford** - 12/15 1456 - 1456 with CNN Headline News. ID'd several times
 as "AM-1240 WCNM". Top of the hour ID mentions 780. (NJW*ON)
WWOL NC **Forest City** - 12/15 1708 - in WBBM null with country gospel tunes and
 male announcer introducing the songs. Sign off at 1715 after local weather
 forecast given. (NJW*ON)
WPTN TN **Cookeville** - 12/21 1730 - Sign off with calls and studio address (698 S. Wil-
 low Ave.). New. (SC-ON)

800 **CJAD PQ** **Montreal** - 12/15 0809 - in Canadian ménage à trois (along with CKLW and
 CJBQ), with news promo: "Montreal's news-talk leader CJAD...when you
 see news happening, it's a free call on Bell Cellular". (MKB-ON)
 810 **CJVA NB** **Caraquet** - 12/21 1800 - Good; "FM 92.9 AM 810, la... station" ID in French,
 and French pop music, well over WGY. (BC-NH)
 820 **CHAM ON** **Hamilton** - 12/13 2210 - CW music w/female announcer "Here on 8-20
 CHAM." New. (RR-NC)
 830 **WCRN MA** **Worcester** - 12/9 2149 - mention of Woonsocket, then "AM-eight-thirty
 WCRN" singing ID. Plenty of vocal music, then at 2244 "your station to sing
 along with, AM-830 WCRN" by a male. Over/under WEEU pest with some
 WNYC splatter. New! (JV-NY)
WEEU PA **Reading** - 12/13 1916 - good over CHAM-820 slop with local "three day
 accu-weather", slogan "Voice of Berks County, AM 830 WEEU", into high
 school basketball pre-game show. (MKB-ON)
 840 **WVPO PA** **Stroudsburg** - 12/15 1609 - oldie "Blame It On the Bossa Nova" and ID:
 "One great song after another, 840 and 960 WVPO". Mixing with WHAS and
 WRYM. (NJW*ON)
 860 **WOAY WV** **Oak Hill** - 12/23 1700 - ID just before lost to power cut. Rare. (RJE-PA)
 870 **WPWT TN** **Colonial Heights** - 12/12 1645 - Local ads for businesses in Kingsport.
 (RJE*PA)
 880 **WCBS NY** **New York** - 12/09 2240 "... 26 degrees downtown WCBS..." Lots of fading
 but giggling as I listen while enjoying a 62 degree evening around lake Eola
 ...downtown Orlando. (MH-FL)
 900 **CKDH NS** **Amherst** - 12/12 1723 - "Light rock 900 CKDH, today's hits, yesterday's
 favourites." (SC-ON)
 + 12/14 1754 - Plug for CKDH's website, pop music by (Canadian artist) Snow
 and also N' Sync. Spot for Amherst Pharmasave. Over top of CHML.
 (NJW*ON)
WKDW VA **Staunton** - 12/15 2010 - came across by accident which searching for an
 interesting talk show. Playing C & W, then at 2011 very faint "WKDW" ID
 under dominant CHML. 120 watts? New! (JV-NY)
WJLG GA **Savannah** - 12/21 1938 - "AM 900 The Light" and "WJL 900 The Light" and
 ads for gospel event at Augusta Civic Center Arena and in Atlanta. Strong
 o/ CHML-ON (Leafs NHL hockey). New. (SC-ON)
 910 **WEPG TN** **South Pittsburg** - 12/14 0137 - WW1 C & W/Christmas music. No ads or
 IDs. Previous contact with the station identifies this as WEPG. (HN-GA)
WJCW TN **Johnson City** - 12/15 1701 - "WJCW Johnson City." (SC-ON)
WABI ME **Bangor** - 12/18 0600 - In the clear! "This is WABI BANGOR, 24 hours of
 memories every day on AM nine ten." (DL*MD)
 + 12/20 1530 - poor mixing with WAVL with NOS music, quick ID "WABI, AM
 910", Olivia Newton John song. (JF-ON)
WNHV VT **White River Junction** - 12/20 0048 - sports talk // UNID 920; 0100 - ID "AM
 9-10 WNHV White River Junction", simulcast ID "A Vox Radio Group sta-
 tion", "ESPN Radio, The Score". New. (GAW-MA)
WTMZ SC **Dorchester Terrace** - 12/21 2053 - Calls, Xmas music. New. (SC-ON)
WBRJ OH **Marietta** - 12/22 1900 - "Sports 910 WBRJ," northeast Ohio ad, and Clevel-
 and Browns football. New. (SC-ON)
 920 **CJCH NS** **Halifax** - 12/14 1708 - "Happy Holidays from all of us at AM-920 CJCH"
 followed by Christmas music; fair with CKNX. (NJW*ON)
 + 12/12 1825 - "AM 920 CJCH," and easy Christmas music. (SC-ON)
 930 **WFXJ FL** **Jacksonville** - 12/10 0148 - PSA for Jacksonville ASPCA shelter, then Fox
 sports jingle, back to sports talk. New this season. (HN-GA)
WDLX NC **Washington** - 12/13 0600 - Weak: "You are listening to News Talk 930 WDLX
 Washington, serving Eastern North Carolina since 1942." (SC-IN)
CFBC NB **St. John** - 12/14 1718 - "Oldies 93 CFBC" on top of WBEN with oldies such
 as the quintessential Cancon staple (from 1972) "Daytime Nighttime" by Keith
 Hampshire. (NJW*ON)
 + 12/14 2314 - Mostly by itself w/good peaks. ID as "Good Time Oldies 93".
 (HJH-PA)
WHON IN **Centerville** - 12/24 0200 - TOH ID, "...Talk Radio 9-30, WHON, Centerville-
 Richmond...it's 2:00". Into CNN news. Poor with WBEN Buffalo mix. (JJR-

		PA)	
	WTAD	IL Quincy - 12/24 0500 - Station ID "Talk Radio 9-30, WTAD, Quincy." CBS News at top of the hour. Fair signal strength. (JJR-PA)	
	WLLL	VA Lynchburg - 12/24 0600 - Poor signal in with a mix of many stations. Sign-on statement was read by a male announcer giving station ID, names of station owners, station address and technical information. (JJR-PA)	
940	WMAC	GA Macon - 12/14 1805 - "Your exclusive News Talk 9-40 WMAC Accu-Weather Report." New. (RR-NC)	
	WMIX	IL Mt. Vernon - 12/14 1807 - News "here on WMIX." New. (RR-NC)	
950	CKNB	NB Campbellton - 12/14 1659 - ID: "We Are A Better Variety - 95 CKNB", into a Christmas tune. Mixing with WROC. (NJW*ON), (SC-ON)	
	WROL	MA Boston - 12/20 1541 - noted in passing with ID "WROL, AM 950, Boston's information source" into The Ray Flynn Show. (JF-ON)	
960	WRNS	NC Kinston - 12/13 1721 - Very weak: "95.1 WRNS." // with the FM side. (SC-IN)	
1010	WSPC	NC Albemarle - 12/15 2227 - Under UNID station: "Log on to 1010wspc.com for the latest forecast - News Talk 1010 WSPC." (SC-IN)	
	WFGW	NC Black Mountain - 12/20 1330 - Giving local weather and call letters and back into a religious talk program. Not normal reception, must be very high angle rare daytime skywave conditions, fading noted. (PEW+SC)	
1030	WCTS	MN Maplewood - 12/17 2011 - "Listen to Reverend... every week... on AM-ten-thirty WCTS, the ministry station." Then religious music. I doubt very much they were running on the listed 1 kw night power; sounded more like the full 50 kw. WBZ was blown away! New! (JV-NY)	
1040	CJMS	QC St. Constant - 12/20 0122 - FF-C & W, then FF version of "Here Comes Santa Claus", way over presumed WHO, with lots of WBZ splat. No ID, but there's no other FF station on 1040. New. (GAW-MA)	
1050	WDZ	IL Decatur - 12/15 1815 - Fair: Gospel Traxx program with Walt Babylove but no CLs or local references. Email from Gospel Traxx stated that only 1050 affiliate in Midwest is WDZ. (SC-IN)	
	WLIP	WI Kenosha - 12/15 1820 - Weak: "Hurry to ? Furniture, Highway 50 and now WLIP Kenosha Radar Weather." (SC-IN)	
1070	CHOK	ON Sarnia - 12/16 0800 - "Wednesday join CHOK while we broadcast live from..." "Ten Seventy CHOK..." "It's eight o'clock, time for CHOK's morning magazine, Monday December 16th edition..." Heavy co-channel. (DL*MD)	
	WINA	VA Charlottesville - 12/16 2111 - over CBA with University of Virginia vs. Furman women's basketball, promo for upcoming Cavaliers' women's hoops games on WINA. (MKB-ON)	
1080	WKGX	NC Lenoir - 12/13 0600 - Announcement signing on for the day, broadcasting at 5000 watts. Country format, playing "Rhinstone Cowboy". Announcement concerning the telephones not operating due to the recent ice storm in the Carolinas. Completely overpowered the usual WTIC Hartford. (JJR-PA)	
1110	WCEC	NH Salem - 12/20 1600 - strong with two men carrying on a heated discussion in SS, ID at top of hour in EE "WCEC, 1110 AM, Salem-Morisson(?)", into an ad in SS. Ex-WWNW for me. (JF-ON)	
	WUHN	MA Pittsfield - 12/23 0807 - in dogfight over WBT with local weather, "WUHN" jingle and slogan "some stations play country music some of the time, but WUHN plays country music all of the time" into C&W song. (MKB-ON)	
1150	WHUN	PA Huntington - 12/12 1643 - "AP network news every hour on the hour on AM-eleven-fifty WHUN", then into country tune. No sign of CKOC. (JV-NY)	
1160	WMVI	NY Mechanicville - 12/20 0133 - "...your latest weather forecast from AM 11-60 and AM 900, Moon Radio, the songs you remember". WVNJ nulled. New. (GAW-MA)	
	WVNJ	NJ Oakland - 12/20 0135 - "...on 11-60 WVNJ, the station of the stars". With WMVI and possible third standards signal. (GAW-MA)	
1200	WOAI	TX San Antonio - 12/11 0130 - fair to good, with "Newsradio 1200, WOAI" ID. Brief news and weather, then into "Coast to Coast" with George Norris, followed by Art Bell at 0200. (LW-NY)	
	WTLA	NY N. Syracuse - 12/16 1730 - Commercial for Mohawk Carpet of Syracuse.	

			Then NOS music, on "WTLA 1200 and WSGO, 1440." (LW-NY)
1230	WHIR	KY Danville - 12/26 0600 - poor with quick "WHIR, Danville" into UNID network news. (JF-ON)	
1240	WVKZ	NY Schenectady - 12/15 1222 - ID, Spot for Saratoga Chrysler Jeep. (NJW*ON)	
	WRTA	PA Altoona - 12/15 1222 - "News-talk 12-40 WRTA" ID, mixing with WVKZ. (NJW*ON)	
1250	WARE	MA Ware - 12/15 1600 - several carted IDs with reverb, into Billy Idol's "Eyes Without A Face". Mixing with WMTR. No sign of CJYE. (NJW*ON)	
	WMTR	NJ Morristown - 12/15 1600 - top-of-the-hour ID which also mentioned WWTR (1170) after Beach Boys' "Little Saint Nick". Nostalgia music followed the ID; mixing with WARE. (NJW*ON)	
1260	CKHJ	NB Fredericton - 12/20 0141 - "This is Shania Twain, wishing you a merry Christmas from KHJ". Local WMKI nulled. New for me, although commonly heard here by others. (GAW-MA)	
1270	WXYT	MI Detroit - 12/11 0040 - fair, with mention of NBA scores. Sports talk, on "Sporting News Radio". Phone number 1-800-777-2907 given. (LW-NY)	
	WXGO	IN Madison - 12/11 0110 - in weakly with oldies music. Server WXGO, Oldies 1270" IDs. New. (LW-NY)	
	WTSN	NH Dover - 12/19 0817 - alone on east wire with NH/MA Lottery results, "it's 8:17 on the WTSN Morning Information Center". (JF-ON)	
1280	WGBF	IN Evansville - 12/14 0205 - Local ad for police officer vacancies in Evansville PD; legal ID "Newstalk 1280, WGBF, Evansville"; singing jingle "voice of the tri-state area, WGBF." (HN-GA)	
1310	WDOC	KY Prestonburg - 12/16 0100 - Very weak: "This is Hot Country 1310 WDOC AM Prestonburg Kentucky." (SC-IN)	
	WIBA	WI Madison - 12/16 0206 - Very weak: "On News Radio 1310 WIBA." (SC-IN)	
	WORC	MA Worcester - 12/16 1503 - good at times mixing with CIWW with end of news, into weather "on Worcester's weather station, WORC". New! (JF-ON)	
	WDOD	TN Chattanooga - 12/16 0606 - Weak: "This is AM 1310 WDOD Chattanooga at 6:06." (SC-IN)	
	WSLW	WV White Sulphur Springs - 12/21 0600 - Female announced top of hour ID "WSLW AM 1310 White Sulphur Springs-Lewisburg, West Virginia, playing the best music". ABC Radio News. (JJR-PA)	
	WTLC	IN Indianapolis - 12/27 0916 - "Wear your seatbelt" public service announcement from Mercedes Benz, ID "Indy's inspiration station, WTLC, 'The Light'" into GOS music. (JF-ON)	
1320	WVNZ	VA Richmond - 12/11 1640 - briefly on top with promo for a play at a Williamsburg theater. (JF-ON)	
	WARL	MA Attleboro - 12/18 1800 - "...we've got it, you want it, music your way; Pa Pa POW-ER 1320, 1320 WARL Attleboro, Providence..." in big deep Barry White type voice. Although somewhat local, this is interesting, as this Black/Soul format seems to have NO live DJ or commercial ads all day or night! Hmmmm. Also, off the air at times. May investigate here and report... (MH-MA)	
	WDER	NH Derry - 12/19 1536 - poor with ad for Christian bookstore in Derry. (JF-ON)	
	CKEC	NS New Glasgow - 12/22 1800 - end of "Sleigh Ride" song followed by "and good Sunday evening from 1320 CKEC..." then weather: brrrr cold and windy! Super-SSS-Signal with my local WARL (Attleboro, MA) in null. (MH-MA)	
	WJAS	PA Pittsburgh - 12/22 2200 - "... you're listening to the original hits of the 40s, 50s, and 60s on 1320 WJAS, Pittsburgh; it's ten o'clock..." Heard under CKEC with local WARL in null. (MH-MA)	
1330	WYRD	GA Madison - 12/6 2345 - "Accuweather here on newsradio 950 and 1330, WORD." WORD // to WYRD. Up and down in slop on loop. New this season. (HN-GA)	
	WMLT	GA Dublin - 12/11 1513 - UC:GOS music. Slogan "The Light" (Sheridan Gospel Network). On loop. (HN-GA)	
	WESR	VA Onley - 12/19 0606 - Very weak: "Real Country 1330 WESR" and song "For The Good Times". (SC-IN)	
		+ 12/16 0839 - "1330 WESR" and Christmas music. New. (SC-ON)	
	WYPC	OH Wellston - 12/19 0500 - Very weak. "You're listening to 1330 WYPC Wellston/Jackson" into CNN. (SC-IN)	

International DX Digest

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

Congratulations to Saul Chernos and Bogdan Chiochiu for their new transatlantic logs, proving that all is not lost in this third peak of solar cycle 23. Not to be outdone, John Callarman and Kevin Redding catch some nuevo signals crossing the border from México. Two for this week's Ginnie Lupi frequency challenge too, on 790. Next it's 560, followed by 930 (*R.Reloj* of course), 1330, 1600, 570 (super power *R.Reloj*), 1280, and 910. And I suspect that there will be more transatlantic action reported in next week's edition, based upon initial reports posted on the am@nrcdxas.org e-mail list.

Transatlantic DX

- 183 **GERMANY** *Europe 1*, Saarlouis DEC 18 2206 - Very tentative; talk at extremely weak level; peaked when aimed the Phillips transistor radio with it's ferrite bar antenna east-west. Very threshold, way too weak to ID the language, but at least it's something. My first TA reception, if I exclude a weak "high-tone pitch" on the high side of WWKB-1520 heard some weeks ago, thought to be Saudi-1521, using the Sanyo radio! [Chiochiu-QC]
- 783 **MAURITANIA** *R.Mauritanie*, Nouakchott DEC 15 0025 - Weak Middle Eastern string music parallel 4845. New. [Chernos-ON]
- 891 **ALGERIA** *Chaîne 1*, Algiers DEC 15 0041 - Weak Middle Eastern vocal and instrumental music. New. [Chernos-ON]



Pan-American DX

- 530 **TURKS AND CAICOS** *R.Visión Cristiana*, South Caicos DEC 23 0400 - With Navidad top-of-the-hour jingle, then triple ID for WWRV-1330, WVIP-1310 and RVC-530; excellent to very good; barely 10 minutes later back to excellent and the neighbor has shut down their computer, so the reception became really entertainment quality. [Chiochiu-QC]
- 550 **MEXICO** XEPL *La Super Estación*, Ciudad Cuauhtémoc, CHIH DEC 8 0457-0700 - Weak but relatively clear with German sermon by a man at tune-in to 0457. Christmas carol in German to 0500, more German religious programming, full ID in Spanish at 0600 followed by romantic music with announcements in Spanish, word "romantica" used often including "P-L Romantica." Be careful here, with XEKL listed with *Romantica* slogan. First-time log. [Callarman-TX]
- 560 **MEXICO** unID DEC 8 0508-0553 - Three, maybe four, Mexicans in jumble with usual domestics subdued, but could not get enough to ID any of them. Call letters at 0510 sounded like XED? (last letter obliterated) on a station that was primarily a talker. Parts of what appeared to be an ID by one of the music stations burst through at 0515, but only words discernible were "Durango, México." I could not hear anything to link to "Acerera" or "La Z de Zacatecas," stations heard at Boca Chica Beach in October. [Callarman-TX]
- 580 **MEXICO** XEFI Chihuahua, CHIH DEC 15 1302 - XE anthem; canned ID at 1304 with usual data and "Radio Mexicana" slogans. Fair, with XEMU not much of a factor this morning. [Wilkins-CO]
- 600 **CUBA** CMKV *R.Rebelde*, Urbano Noris DEC 23 0353 - Good for 2-3 minutes with an old-fashioned Cuban song, at 0448 with Spanish disco music, parallel 620, good-fair signal with some WICC interference. CKAT North Bay, Ontario occasionally in too (even when nulled), but much weaker. [Chiochiu-QC]
- 600 **MEXICO** XEMN *La Regiomontaña*, Monterrey, NL DEC 8 0523-0702 - Lively music, shouting production, frequent *La Regiomontaña* slogans taped here. First time I've found a loggable Mexican signal on 600. [Callarman-TX]
- 620 **MEXICO** XEBU Chihuahua, CHIH DEC 19 0412 - "La Norteña" slogan with "B-U" and Chihuahua mentions in between norteña selections. [Westfall-NM]
- 620 **MEXICO** XENK *R.Seis-Veinte*, México, DF DEC 8 0540-0640 - Amazed to find just enough null on KMKI to pull this one through. Mostly on-scene talk with several voices, but there were commercial strings and full IDs at 0540 and 0638. First-time log. [Callarman-TX]
- 630 **MEXICO** unID DEC 8 0526-0629 - Sometimes strong signal with romantic music, scant announcements. Time check in CST, so not Cuba, but I did not hear the "La FB" inserts that XEFB uses during the daytime per monitoring in Rio Grande Valley. Carried instrumental version of national anthem at 0600 but continued with segued romantic music. Interference by a religious domestic, probably St. Louis. [Callarman-TX]

- 640 **CUBA** *R.Progreso* NOV 29 0500 - Spanish talk by male, ID; very good. [McGuire-MD] DEC 21 0348 - To good peak with program of old-fashioned Cuban songs and a woman announcer which played a song that sounded almost like "Una noche en Habana" (a song heard last year on the same program I think). Even with Guadeloupe on higher-power, it's still one of the easiest and one of the strongest Cubans at my location. [Chiochiu-QC]
- 640 **GADELOUPE** *R.Guadeloupe*, Pointe-à-Pitre DEC 23 0442 - Briefly very good with *France Info* newscast; with man in French talking about politics; lost to heavy interference from nulled CFM] *Mojo Radio* Toronto barely 30 seconds later. [Chiochiu-QC]
- 640 **MEXICO** XEJUA Cd. Juarez, CHIH DEC 23 0200 - Canned ID by a man, "Esta es XEJUA-AM transmitiendo en 640 kHz banda de amplitud modulada con cinco mil wats de potencia. Estudios y oficinas en Privada Agustin Lara No. 3, Zona 5, teléfono 6-15-18-17 desde Cd. Juarez, Chihuahua, México. Super Estelar, una emisora de Multimedia Estrella de Oro." Two things to note here: they announce 5000 watts, an increase over the 3000 watts listed in the *IRCA Mexican Log*, and the 1000 watts listed in 2002 *WRTH*. Also, the Numero 3 in the address. *WRTH* has listed the same street but Numero 37 in last 2 editions. Might explain why I never received replies to my reports and follow-ups sent to No. 37. Fair signal, on top of the usually dominant XEHII. [Wilkins-CO]
- 640 **VENEZUELA** YVQO *Unión Radio*, Puerto la Cruz DEC 22 0323 - One segment of their continuous newscast ended; then man repeating over 20 times "unionradio.com" (their new web-site) and the slogans "Union Radio, La radio de noticias, 24 hors de information" and simply "Union Radio Noticias," then back to news. At 0343 mention of "mil-noventa AM" which is their Caracas frequency, as well as several FM frequencies - one of them was 90.3 in the Falcón state - back to news again. Good to very good reception; often way atop Guadeloupe/WNNZ interference. [Chiochiu-QC]
- 690 **MEXICO** XECS Manzanillo, Colima DEC 26 1105-1125 - Playing some primo harmonies in romantic ballads, absolutely beautiful music. Gave slogan once as "La Grande de Manzanillo." Primera vez. [Redding-AZ]
- 700 **MEXICO** XEDKR Guadalajara, Jalisco DEC 22 1432 - Playing tropical Cuban music and then local ads with slogan "Estacion punto siete" then into a mariachi song. New. [Redding-AZ]
- 710 **CUBA** *R.Rebelde* DEC 23 0415 - Woman in Spanish, then the Céline Dion remake of an older Mariah Carey song followed by a man with news items. Poor-fair to occasionally good; over/under WOR; fair-good and alone for two minutes at 0416-0418; better on the high-side on 710 to avoid 690 het. This was my first Latin American that got me started in AM DXing back in October 4, 2000 when I heard them at an excellent level instead of WOR, so it's always nice to hear them! [Chiochiu-QC]
- 750 **VENEZUELA** YVKS RCR Caracas DEC 22 0348 - To good peak with *Radio Exterior de España* cultural program. Also had an excellent peak somewhat earlier at 0336! This is by far, the strongest YV in the Montreal area. Didn't get them on the Panasonic portable though, due to the very wide filter which enabled a very huge level of overspills from local CKAC on 730. [Chiochiu-QC]
- 760 **COLOMBIA** HJAJ RCN Barranquilla DEC 14 0224 - To very good peak with "RCN Cadena Básica" ID during a newscast program that featured many correspondences by telephone. + DEC 23 0057 - With canned local ID, "En el Atlantico, HJAJ, 760 kilohertz, RCN Barranquilla," then RCN promo with man saying that this network attracts 75% of the Caracol listenership; a modern version of the "RCN, la radio de Colombia" jingle; followed by "Tiempo de Noticias Banco Popular, Banco Popular - lo ultimo en sucesso," with a report from a narcotrafficant in Cartagena and the "Policía de Bogota." Building signal strength from poor to quite good. [Chiochiu-QC]
- 760 unID *La Estación de la Palabra* DEC 22 2335 - Spanish music, ID, heard over WJR. [McGuire-MD]
- 790 **MEXICO** XERPC Chihuahua, CHIH DEC 19 0403 - Fair, with "Radio Ranchito" slogan. Call sign ID given, then into a really old ballad. [Westfall-NM]
- 790 **MEXICO** XEVA Villahermosa, TAB DEC 10 0348-0351 - Tentative; surged atop jumble of several Mexicans. A woman gave echoed XEVA call letters, man with production announcement, six quick pips and promo for "Radio... para la mujer actual" on XEVA, "siete... amplitud modulada," then strange primitive rhythm stick theme for announcement that appeared to relate to something called "FEMA" (confused me for a moment). Production spot starting with a woman pleading with a kid called Paco. "Radio de la Democracia" mentioned, a man gives XEVA call letters, then light romantic music followed. I did not hear Villahermosa, Tabasco, or *La Emisora del Hogar* slogan, but call letters seemed clear. Someone played national anthem at 0600, leaving XEBI relatively clear with a man and woman giving news with electronic pips between items and full ID at 0630. [Callarman-TX]

- 800 MEXICO XEDD *La Doble D, Super Pezado*, Montemorelos DEC 10 0217-0330 - Dominant over presumed XEZR in an almost complete XEROK null. Quite talkative between musical numbers, and "La Doble D" ID dropped in often, with ringing telephone under phone numbers and electronic sound when (presumably) fax number is given. "La Super Pezado" slogan heard at 0330. I did not hear "Super Pezado" slogan when I monitored this station in Brownsville during daytime in October. [Callarman-TX]
- 810 MEXICO unID DEC 10 0211-0443 - Elusive, talkative male announcer and tropical-type music discernable here, but WBAP slop and WHB made it tough. Call letters dropped in at first tune-in 0211, "XE?W AM, Ochocientos-Diez," but third letter was glossed over so fast I couldn't make "F" or anything else out of it. There was nothing further in the context to pin down call, slogan, or location. Studio announcer had a light, higher voice, did a lot of yipping, and occasionally talked with another man on the telephone. I have identified XEUX and XERI on this frequency but still need something solid from XEFW. [Callarman-TX]
- 860 MEXICO XEMO Tijuana, BCN DEC 13 1345 - Variety of XE music; local ads, "La Poderosa" slogans; XE anthem at 1403, followed by ID, PST time check, and more music. Fair, mixing with others. [Wilkins-CO]
- 890 CUBA *R.Progreso*, Chambas DEC 15 0245 - Spanish music, ID. [McGuire-MD] DEC 23 0054 - Fair with Cuban tropical music, 0107 with a live program with woman speaking; very good, in WLS null, 0452 Spanish music, poor with nulled WLS even weaker underneath, seemed parallel 640 which was barely stronger in the big WNNZ/CFYR/YVQO/Guadeloupe pile-up. [Chiochiu-QC]
- 910 VENEZUELA YVRQ RQ-910 Caracas DEC 22 0354 - Very tentative; bits of woman talk in Spanish noted while RCR-750 was good and *Unión Radio-640* was very good. Still wait for an ID on this one. According to some DXers, they use the "RQ" ID rarely now and more often ID as "AM Center" which is a new network in Venezuela. Haven't heard any ID, unfortunately, as it seems to fade-out always at ID time. I still keep this one up for a positive ID tough. [Chiochiu-QC]
- 950 CUBA *R.Reloj*, La Habana DEC 5 0112 - Spanish talk by male, pips, clock ticks, ID by female. [McGuire-MD]
- 970 MEXICO XEEZ Caborca, Sonora SEP 19 1420 - With ID that came up over dominant KVWM and with slogan, "La Super Zeta," calls and location. [Redding-AZ]
- 1070 MEXICO XEOBS Ciudad Obregón, SON DEC 19 0349 - Fair in null of KNX, with "La Norteña, Mil-Setenta" slogans and call sign ID, playing (you guessed it!) musica norteña. [Westfall-NM]
- 1150 MEXICO XERM Mexicali, BCN DEC 26 1210 - With full ID and into *R.Formula* programming blowing KAGO away. Listenable due to semi-local KCKY running open carrier this morning. Primera vez. [Redding-AZ]
- 1180 CUBA CMBA *R.Rebelde*, Villa Maria DEC 23 0419 - Fair to strong, under/occasionally over or even way on top of WHAM. This was very often strong enough to be heard on a weak Panasonic-RxD14 portable with a very poor ferrite antenna at 0456 with light old-fashioned Cuban music, very good way over WHAM for about 2 minutes. [Chiochiu-QC]
- 1620 US VIRGIN ISLANDS WDHP Frederiksted, St. Croix DEC 23 0406 - Caught three WDHP IDs at a poor, somewhat fair level, then 0407-0409 fair to strong now with a man and woman in accented English. New for me and my first foreign reception in the 1600-1710 extended dial! [Chiochiu-QC]

Kevin speaks: All in all, this Christmas season has been very good to me. I got some E-skip to Guadalajara on Channel 2 on Dec 24th, listened to AM stereo on the 25th and the 26th I got four new stations, two due to a semi-local running open carrier all morning.

Contributors

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73 and Good DX!



Newfoundland DXpedition XI Cappahayden NL, Canada - NOV 1-10, 2002

Participants: Jean Burnell (Halifax NS), Drake R8A, NOV 1-10 [JB]
 John Fisher (Kingston ON), Drake R8, NOV 2-6 [JF]
 Neil Kazaross (Barrington IL), Drake R8A, NOV 3-10 [NK]
 Jim Renfrew (Byron NY), Drake R8, DXP-4 Phasing Unit, NOV 4-10 [JR]

Location: Lawlor's "No Frills DX Inn", Cappahayden NL (Avalon Peninsula)

Antennas: Brazil wire, 1 km, terminated
 Euro wire, 350 meters, terminated
 Africa wire, approximately 100 meters

The report that follows is incomplete in the sense that not every station that was heard is listed. After ten years of DX'ing from this location such information would prove to be repetitive and "eye-glazingly" tedious. The various DX'ers who have been participants in this effort through the years keep a master list of all receptions, which is on hand to assist in the search for stations not previously heard.

Although the focus of the effort is clearly medium wave, our intrepid team also took a close look at the long wave and short wave spectrum. These loggings are included at the end as a Bonus Section.

Special thanks to Herman Boel for producing the European MW Guide, which always proves to be immensely helpful in seeking targets, and identifying unrecognized signals. We used the June edition, which has since been replaced by a new December edition. Also special thanks to Mark Connelly who was listening during the same period of time from his New England location, and who offered several helpful corrections to the loggings shown below.

As a preacher in my "normal life" I learn that the facts only get us so far in life - it's the testimony that makes the difference - so at the end of our report be sure to read the sobering testimonies: how we braved powerful solar winds and geomagnetic forces with little more than hat and gloves, survived Spartan accommodations, underwent nefarious sleep-deprivation experiments, risked life, limb and sanity in transit, chased potentially bloodthirsty pirates, and evaded steely-eyed security personnel at every turn! [Jim Renfrew]

TRANS-ATLANTIC DX

- 531 FAROE IS. Útvarp Føroya, Akraberg, NOV 6, 0759-0804, music "Do You Want To Dance", time pips and talk by a man by impossible to copy. More pop music at 0803. Weak with QRM from Turks. [JF]
- 621 BELGIUM RTBF La Première, Wavre, NOV 05 2155 - Program promos then jazz; SIO 422, made difficult as usual by Spanish interference. [JB]
- 675 NETHERLANDS Radio 10 FM, Lopik, NOV 4, 2316-2322, oldies music by Gladys Knight and Paul Anka, jingle ID and ads. Good. [JF]
- 675 LIBYA Libyan Jamahiriya Broadcasting, NOV 6, 0020, Arabic music / /972. Fair. [JF]
- 729 GREECE ERA, Athens, NOV 05 2225 - Greek music under Spain; SIO 422. [JB]
- 765 SWITZERLAND Option Musique, Sottens, NOV 5, 2241, pop music and jingle ID in Romansche service. Good. [JF]
- 774t EGYPT Middle East Commercial Program, Tanta, NOV 10 0042 - *Tentative*; lots of Arab music, few announcements; SIO 322 under Spain. [JB]
- 810t MACEDONIA Radio Macedonia, Skopje, (Tentative), NOV 4, 2157-2230, Balkan music over Scotland and Spain. Short talk in a Balkan sounding language at 2225. Fair to Good. [JF]
- 845.96v IRELAND R. North, NOV 03 0008 - All back-to-back pop/country music; SIO 333. [JB] NOV 04 0114-0131 - Country music and old pops, no announcements; SIO 332. [JB] NOV 04 2143-2145 - Finally some talking! Ads with local (Irish) addresses and phone numbers, Irish music at 2144; SIO 343. [JB] NOV 4 2142 - with pop music, local ads, and ad sale promo "I saw it on the radio". [JR] NOV 4, 2142-2152, local ads, music was a mix of country and rock and roll oldies. Good [JF] (Note: frequency was varying during the week: JB reports 845.96, JR reports 845.98, and JF reports 846.)
- 846t IRAQ Iraqi R. General Program, Nasiriya, NOV 02 2350-0005* - *Tentatively* this with Arab music, pips and Arab talk at 2359, Koran 0002-0005 when the signal seemed to disappear; SIO 342. [JB] NOV 2, 2348-0006*, Arabic music with short announcements. Time pips at 2358:30. Lost to co-channel Radio North, Ireland. Back up with Call to Prayer at 0002 and seemingly off at 0006*. Fair [JF] NOV 4 2012 - no ID, but widely reported as such. Best on my first night. Missing when checked at other times during the week. [JR]
- 846 SOUTH AFRICA Umhlobo Wenene FM, Komga, NOV 09 2015-2031 - Lots of phone calls in

- English and local language, drumming between calls; SIO 233. [JB]
- 864 ARMENIA R. Free Europe / R. Liberty, NOV 04 0055 – Tape loop “*This is Radio Free Europe, Radio Liberty, Praha*,” SIO 343 over France and Egypt. [JB] NOV 4, 0055-0143, ID loop with “*This is Radio Free Europe, Radio Liberty, Praha*” which kept on going through 0143 tune-out. Was scheduled to go to Uzbek at 0100. Same ID loop was also heard on 4760 however, they stopped playing the loop at 0104 and had just dead air. Good [JF]
- 909 BOTSWANA VOA relay, Selebi-Phikwe, NOV 2, 1948, English interview discussing World Fish Center // 4950. Poor [JF] NOV 02 1945-1955 – English interviews, // 4950; SIO 322. [JB]
- 909 YEMEN Yemen R., Al Hadaydah, NOV 02 1952-1955 – Arab music behind BBC R. Five-Live on the European Beverage, John Fisher found // 9779.68; SIO 222. [JB] NOV 2, 2009-2031, Arabic news // 9780. ID as “*Ida' haat Yemin min al Sanaa*” at 2030 and into pgm of AR mx. Poor with Botswana QRM [JF]
- 918 SLOVENIA Radio Slovenia, Domzale, NOV2, 2139, nice English and German ID's at end of German program (lasting for 5 minutes according to Boel EMWG Guide), EZL pop music until co-channel Spain QRM picked up at 2142. Fair [JF]
- 954t QATAR QBS, Doha (Tentative), NOV 6, 0200-0210, Koran and Arabic music. Poor [JF]
- 990 GERMANY DeutschlandRadio, Berlin, NOV 05 0135 – Show tunes // 177; SIO 222 under CBY and Spaniards. [JB]
- 999 MOLDOVA TWR and Voice of Russia, Maiac, NOV 05 2055-2102 – Russian religion over operatic QRM (Spain?), trumpet fanfare and Russian TWR ID just before 2100, the TWR IS was cut short as the Kremlin Bells IS began, then “*Govorit Moskva*” at 2100 and news; SIO 333 [JB]. NOV 07 1830 – TWR IS, ID and program in Russian; SIO 333. [JB] NOV 7 1830 – TWR IS noted in passing. [JR]
- 999t WESTERN SAHARA RTV Marocaine, Ad-Dakhla (Tentative), NOV 4, 2039, Arabic talk // 1053-Tangier and 207-Azilal. Poor [JF]
- 1008 NETHERLANDS NOS R. 1, Flevo, NOV 02 1959 – Ads, time, ID and news at 2000; SIO 422 with Spanish QRM. [JB]
- 1008 CANARY IS., Onda Cero Radio, Las Palmas, NOV 2, 1959-2004, OM Spanish talk mentioning Canaries. Fair [JF]
- 1026 ENGLAND BBC R. Cambridgeshire, Chesterton Fen, NOV 05 2112 – Telephone caller talking about Guy Faulkes night in Cambridge; SIO 433. [JB]
- 1026 SPAIN R. Asturias, Oviedo, NOV 05 1842-1845 – Two Spanish signals were noted, but this (dominant) one ID'ed at 1845; SIO 333. [JB]
- 1035 SCOTLAND West Sound R., Ayr, NOV 04 2034-2042 – Oldies, jingle and IDs, ad string from 2038; SIO 333. [JB] NOV 8 2011 – ID heard in the mess. [JR]
- 1035 SCOTLAND Northsound 2, Aberdeen, NOV 9 0501 – an ID appears in the mess. [JR]
- 1035 PORTUGAL Radio Nacional, Lisboa, NOV 3, 0052-0105, Pop music, Jingle ID at 0057. Time pips and ID as “*Em uma hora, Radio Nacional*” at 0100 followed by jingle and more pop music. Good. [JF]
- 1044 SPAIN SER San Sebastian, NOV 7 1813 – local ID heard during sports segment on non-network program. [JR]
- 1044p GREECE ERA, Thessaloniki, NOV 10 0014 – Presumed; Greek music; SIO 422 with strong Spanish interference. [JB]
- 1062p ITALY RAI, Cagliari or Squinzano (Presumed), NOV 2, 2224, man with phone interview in Italian. Fair. [JF]
- 1080 SPAIN R. Coruña, La Coruña, NOV 05 1850-1856 – Mess of 3 or 4 Spanish signals, ads and IDs for this one at 1853 and 1855, SER network programming resumed at 1856; SIO 322. [JB]
- 1089 ENGLAND / SCOTLAND TalkSport, NOV 06 2254 – Different programs for England and Scotland, rejoin at 2255 with a jingle ID. [JB]
- 1098 SPAIN RNE R. 5, Lugo, NOV 05 1857-1900 – Two RNE stations, stronger one with regional news for Galicia (thus Lugo), network programming (echoed) at 1900; SIO 322. [JB]
- 1107 SCOTLAND Moray Firth R., Tarbat Ness, NOV 06 2300 – IDs as “*MFR FM...97.4*” just relaying FM channel at this time; SIO 433. [JB]
- 1116 SPAIN R. Pontevedra, Pontevedra, NOV 05 1847-1850 – Local ads, read letter about cruelty to animals. ID at 1850; SIO 444. [JB]
- 1116 HUNGARY Radio Budapest, Kossuth, NOV 5, 2011, Hungarian folk music and announcements // 1350. Very Poor [JF]
- 1125 MADEIRA Centro Radio de RDP, Ponta do Pargo, NOV 4, 2207, Portuguese commentary of a live football match. Fair [JF]
- 1143 GERMANY AFN station(s), NOV 05 2351-0140 – Steadily gaining strength with US-accented talk, lots of music (ID'ed even as “*Oldies Radio*” at 0139), US news (from ABC at 0053), and ads for US forces stuff; SIO 233 at 0139. [JB]
- 1143 RUSSIA VO Russia, NOV 6 2059 – bells, and “*Govorit Moskva*”. [JR]
- 1143 INTERNATIONAL WATERS/ISRAEL Arutz Sheva, NOV 05 2341-0101 – Tentative as I have not been able to discern an ID, but who else would be in Hebrew? Mix of music (sometimes

- a number of tunes back-to-back) and Hebrew talk, possible jingle at 0002; SIO 322-1 with long, deep fades, COPE station often dominant but also significant interference from AFN Germany. [JB]
- 1152 SPAIN RNE5 Zamora, Zamora, NOV 7 1855 – many Zamora references heard during RNE5 local segment. [JR] NOV 07 1851-1900 – “*Zamora*” IDs at 1851 and 1852, regional “*Castilla y León*” ID at 1900; SIO 222. [JB]
- 1152 SCOTLAND Clyde 2, Glasgow, NOV 10 1027 – Scottish-accented DJ introducing U2 song; SIO 353, which is surprising at this late hour ... *daylight between Scotland and Newfoundland!* [JB] NOV 10 1027 – note the very late time we heard this, with the sun in the sky in Newfoundland, and mid-Morning in the UK! Other TA signals were still in from UK (909, 1053, 1089, 1215, 1341), France (1377), Norway (1314), Spain (1107), and Ireland (1278), but this was the one with the lowest power. [JR]
- 1152 SPAIN RNE5 Albacete, Albacete, NOV 07 1850-1900 – Local or regional news, “*Radio Cinco Albacete*” IDs at 1850 and 1854, “*Radio Cinco en Castilla La Mancha*” regional ID at 1900; SIO 322 in a mix of four RNE5 signals. [JB] NOV 7 1855 – “*R Cinco ... Castilla*” ID heard during RNE5 local segment. [JR]
- 1170 ENGLAND Classic Gold, Ipswich, NOV 07 0632 – Oldies, canned ID then lost to a US station; SIO 222. [JB]
- 1170 ENGLAND Magic 1170, Stockton, NOV 09 0000 – Three stations, this one's ID surfaced just before the news; SIO 222. [JB] NOV 09 1815 – ID, weather note, old pop song; SIO 222 with increasing QRM from the Voice of Russia in Arabic. [JB]
- 1170 UK Classic Gold & Magic 1170, NOV 8-9 2321-0034 – slogans from two stations heard in the mess during this time. [JR]
- 1170 SLOVENIA R. Slovenia International, Beli Kriz, NOV 03 0146-0201 – International pop music, fanfare and English ID at 0200; SIO 443. [JB] NOV 9 0057 – heard with ID in EE. [JR]
- 1170 WALES Swansea Sound, Winsh-wen, NOV 09 0601 – News, ID, then song by Blondie; SIO 222. [JB]
- 1188 HUNGARY Radio Free Europe, Szolnok, NOV 3, 1827-1834, end of VOA program and ID “*This is Radio Free Europe, Praha*”. RFE program in Serbo-Croat. Good [JF]
- 1197 GERMANY VOA Relay, Munich, NOV 07 2336 – Serbian talk; SIO 333 over Virgin R. [JB]
- 1197 LESOTHO Family Radio, Lancer's Gap, NOV 4, 2114-2131, Syndicated English religious programs. “*Let's Talk...*” at 2130. Poor [JF]
- 1197 SPAIN Euzkadi Irratia Vitoria, NOV 3, 0135-0141, special program on the music of the 70's group “*America*” and talk in a language that sounded like Basque. // 1161 – San Sebastian and 1071 – Bilbao. Fair [JF]
- 1215 ENGLAND Virgin R. synchros, NOV 10 1058 – Broad daylight and time to bring in the antennas: John Lennon's “*Imagine*” fading away slowly...*last log of the DXpedition*. [JB]
- 1224 BULGARIA Radio Bulgaria, Vidin, NOV 5, 1802-1812, IS and program in listed Greek language. News and pop music at 1810. Fair to Good [JF]
- 1233 CZECH REP. R. Prague synchros, NOV 03 1958 – English program, then Scott Joplin's “*The Entertainer*,” SIO 433. [JB] NOV 09 1939-1946 – “*Inside Central Europe*” program in English; SIO 322. [JB] NOV 3, 1945-2000, English program about a novel called “*October's Past*”. Announcement of end of program at 1957 and theme from “*The Entertainer*”. Good [JF]
- 1242 ENGLAND Virgin R. synchros, NOV 02 2042 – “*Classic Rock Show*,” ID, promo for DJ; SIO 333. [JB] NOV 09 1736 – ID, chat with football player; SIO 243. [JB]
- 1251t LIBYA Voice of Africa, Tripoli (Tentative), NOV 5, 1756-1802, Arabic music with no breaks on the hour. Talks mentioning “*Jamahiriyyah*”. Fair [JF]
- 1251 PORTUGAL Radio Renascença, Porto/Viseu, NOV 5, 1845, Rosary in Portuguese // 891. Poor [JF]
- 1260 ENGLAND Classic Gold 1260, Mangotsfield, NOV 06 0157 – Bank ad, canned ID at 0200 by same woman as Classic Gold Marcher on same frequency; SIO 322. [JB] NOV 07 1907-1918 – Old pops, Classic Gold Cash-call promo, ID at 1917; SIO 333. [JB] NOV 5, 1944-1956, local concert listings, ad for a 1970's concert. Ad for “*Classic Gold Perfect Partner*” service. Oldies music. Ad for Tom Jones Soundalike at the Marriott Hotel in Bristol. Fair with QRM de Spain [JF] NOV 5 2222 – various promos and ads, ID as “*Classic Gold 1260*”. Asian music also heard on channel, perhaps Sabras Sound? [JR]
- 1260p ENGLAND Sabras Sound, Freeman's Common, NOV 02 1915 – Presumed with Indian music under Spain; SIO 322. [JB]
- 1260 WALES Classic Gold Marcher, Farndon, NOV 06, 0200 – “*Classic Gold Marcher*” canned ID before news; SIO 322. [JB] NOV 07 2100 – ID, news and weather; SIO 343. [JB]
- 1278 ENGLAND West Yorkshire's Classic Gold, Bradford, NOV 07 1953 – Occasionally poking through when Ireland's transmitter was off, best at 1953 when the pop song was easily paralleled with other Classic Gold stations; SIO 222-1. [JB] NOV 7 1935 – ID heard while Ireland was experiencing transmitter problems. [JR]
- 1278 IRELAND 2FM, Dublin and Cork, NOV 07 1919-2005 – Pops and chat about recent movies.

- There was a problem with one of these two transmitters. The stronger signal cut out, sometimes for stretches of 10 or more minutes, leaving only a very weak signal, and an opportunity to log stations that are normally blocked (VO Russia and UK stations); stronger transmitter: SIO 333, weaker transmitter when the former was off: SIO 222-1. [JB]
- 1278 UKRAINE VO Russia, Sodruzhestvo, NOV 07 1919-2000* - Russian talks, a few folk songs after 1949, IS and anthem to 2000, // 1143; SIO 222, aided by Ireland's transmitter problems. [JB] NOV 7 1942-1958 - Russian language program (including music), bells, anthem, then off, during Ireland transmitter problems, also with interference from France. EMWG lists Dubovka with 2200 sign-off, but indicates that there are also other sites with unknown schedules (all 50 kW or less in WRTH 2002). According to a VOR via UKR updated schedule report from Alexander Yegorov (UKR) in RUI NOV 20, via Steve Whitt, Sodruzhestvo is in use 1400-2000 // 972. [JR]
- 1287 ISRAEL R. Galei Zahal, NOV 3, 0110, oldies mx from the 60's "All Kinds of Everything Reminds Me of You" // 6973. Poor [JF] NOV 10 0013 - American oldies // 6973 and 1224. [JR]
- 1305 WALES Capital Gold 1305/1359, Christchurch, NOV 05 2246 - Queen's "Bohemian Rhapsody" way under Spain // other Capital Gold stations (best was 1323); SIO 222. [JB]
- 1314 UAE BBC Relay, Al Dhabbaya, NOV 05 1803-1811 - Afghan-type language, all news items, one report mentioned "BBC" at 1806; SIO 233-2 with interference from Spain and the local Loran station. [JB] NOV 5 2043 - BBC with Arabic talk and music // 9915. [JR] NOV 5, 2044-2101, Arabic programming // 9915. BBC Bells and news at 2100. Fair over Norway [JF]
- 1332 NETHERLANDS R. 192, Lopik, NOV 06 2158-2202 - Oldies, ads, weather, sound effects and canned ID at 2201; SIO 322. [JB]
- 1341 NORTHERN IRELAND BBC Ulster, Lisnagarvey, NOV 5, 1748, talk by men with strong Irish accents about the lack of healthy lifestyles for farmers. Fair [JF]
- 1350 ARMENIA TWR, Gavar, NOV 05 2002-2031 - Hebrew religious talks, ID and IS just before 2031; SIO 332. [JB] NOV 5 2007-2030 - with program in Hebrew, "Transworld Radio" ID at 2030, interference from Hungary. [JR] NOV 5, 2005-2032, religious talk in presumed Hebrew. Music bridge at 2029, ID and music. Fair w/QRM de two Hungary stations [JF]
- 1350 HUNGARY Magyar Radio/R. Pecs, Győr and Szolnok, NOV 05 2008-2030 - First noted as QRM to Armenia, then became stronger with obviously unsynchronized signals // 1116 and 1251; mainly talks; SIO 322. [JB] NOV 5 2007 - Very difficult to follow the program due to a pronounced echo. Not sure of the name of the service, although EMWG says it is "Studio Budapest". At two points, I thought I heard the announcer say "Kossuth Radio", but this may be wishful thinking by a non-Magyar! The same program was also heard on 1116 and 1251. [JR] NOV 5, 2011-2032, both stations heard here with echo. Folk music and Hungarian anmts // 1116. Fair. [JF]
- 1359 EGYPT Cultural Program, Batra, NOV 05 2200 - Presumed; under Classic Gold, Arab music through the top-of-hour; SIO 222. [JB]
- 1359 ENGLAND Classic Gold 1359, Shilton, NOV 05 2200 - "On T.A.B. [which is? - JB] Beautiful Radio, this is Classic Gold," news, weather for Coventry and Warwickshire; SIO 322. [JB] NOV 8 1856 - ads for Coventry. Same program as 1260, except for Bristol ad breaks. [JR]
- 1359 ENGLAND Classic Gold Breeze, Chelmsford, NOV 07 1833 - Classic Gold Cash-call promo, ID at 1835; SIO 333. [JB]
- 1368 ISLE OF MAN Manx R., Douglas, NOV 04 2009 - Asking for requests, chat about Harry Potter; SIO 333. [JB] NOV 5, 1831-1852, political meeting discussing coastal erosion with lots of questions to the Chief Minister from the member from Michael. Manx Radio ID's at 1844. Good [JF]
- 1377 ENGLAND Asian Sound R., Ashton Moss, NOV 05 2041 - France was off briefly and Indian film music emerged; SIO 232 with splatter from St. Pierre. [JB] NOV 05 2122 - France gone again, just Indian music... was hoping for hints of Lhasa! [JB] NOV 05 2204 - Local news (mentioning "Manchester") in Hindi (?), Indian music after 2207; SIO 433 at peak. [JB] NOV 5, 2040-2130, South Asian music but tough copy mixing with St.Pierre on 1375 and France on 1377 which would occasionally cut out leaving this one audible. Poor [JF] NOV 5 2305 - With France off, Asian music until top of hour, no ID, then broke into BBC news already in progress. Before returning to music, I note an almost inaudible ID on the tape "Your information station ... Asian Sound". Listed at 80 watts! [JR]
- 1377 TANZANIA R. Free Africa, Mwaza, NOV 05 2252-2305 - France was temporarily off which allowed reception of African telephone talk, sound effects of dog growling (laughter in studio), ID at 2304, but had just switched off tape! SIO 233-2. First time I've heard this since France went to 24 h operation. [JB] NOV 5 2302 - with France having problems over several days on this frequency, we got an ID from RFA during a break between what sounded like hi-life or reggae. [JR] NOV 5, 2252-2301, male announcer at sports event in an unidentified language. Weak ID at 2301. Very Poor with QRM from Asian Sound [JF]
- 1385.93 GUINEA R. Rurale, Labé, NOV 4, 1946, West African music and French announcements.

- Poor to Fair on the African antenna [JF] NOV 03 2108 - News in African-accented French; SIO 232 with splatter from Russia on 1386. [JB]
- 1386 KENYA KBC, Maralal, NOV 05 0216-0226 - Pops, English announcer ID'ed twice and gave KBC Web address, reggae at 0226; SIO 242. [JB] NOV 5 0230 - local time check of 5:30, and ID "You are listening to KBC Nairobi". All alone on channel. Heard other nights, too. [JR] NOV 5, 0214-0233, Music by Crowded House, time check as "18 past 5", web site given as www.kbc.com and news about Kenya and Cote d'Ivoire, more music as signal improved to good quality. ID at 0230 "You are listening to KBC Nairobi". Best that I have ever heard this station. Poor to Good [JF]
- 1386 UNID NOV 9 1858 - An unidentified Interval Signal was heard underneath Russia. It sounded familiar, so probably an Eastern European international broadcaster, or a religious broadcaster. However, I have been searching through archived Interval Signals on the web without success. [JR]
- 1395 NETHERLANDS Business R., Lopik, NOV 07 0729 - ID and traffic report; SIO 332. [JB]
- 1395 UNID NOV 9 1918 - eastern European talk (I think), initially thought this one was Tirana, but then Tirana came on like a sledgehammer at 1930 on 1394.80. No chance to check this the following night, as the DX'pedition was over. I wish I'd taped it, but I thought initially it was Tirana. Perhaps VOA from Armenia? [JR]
- 1395 ARMENIA R. 2, Yerevan, NOV 9 0158 - On a completely empty channel, this one signed on with a choral anthem, then a woman talking. Weak, and suffered from heavy splatter. The next night it was even weaker, with spurious SW signals on the channel to contend with. Spectrum analysis, according to Steve Whitt, shows a station coming on at this time. And some weeks later Jean's match with the anthem on Dave Kernick's Interval Signals Archive web page is confirmed, as I hear the same anthem on my tape. [JR] NOV 10 0157 - Interval signal, very weak nevertheless unequivocally matched with one on Dave Kernick's web-site; programming after 0200 was essentially unusable; SIO 141. [JB]
- 1404 UNID Jammer, NOV 5 1915 - Strong bubble jammer heard all week, perhaps Iraq jamming Iran? Signal could be defeated by shifting to LSB. [JR]
- 1413 ENGLAND BBC R. Gloucestershire, Berkley Heath and Bourton-on-the-Water, NOV 05 1926-1939 - Pop tunes, but mainly call-in programming, weather for Gloucestershire and Wiltshire at 1931; SIO 332. [JB] NOV 07 0628 - Telephone number for the "birthday file," ID and traffic report; SIO 333. [JB] NOV 09 1846 - Program of 50's music produced by "BBC Local Radio, Plymouth;" SIO 444 at peak. [JB]
- 1413 ENGLAND Premier R., Dartford and Heathrow, NOV 05 1937 - Presumed; American syndicated religion coming through BBC; SIO 222. [JB]
- 1413 OMAN BBC Relay, Zakaki, NOV 05 1930 - Weak pips and BBC ID behind Gloucestershire; SIO 222-1. [JB] NOV 5, 2309-2331, "The World Today" // 7105, 5975. Poor to Good with fading [JF]
- 1422 ALGERIA RDA R. Culture, Alger, NOV 03 1825-1835 - Arab music, ID in Arabic then more music; SIO 444. [JB] NOV 3, 2058-2105, French pop music, time pips and check as "22 heures". ID as "L'Information Culture". News. Fair with QRM de Germany [JF]
- 1431 ENGLAND Classic Gold 1431, Reading, NOV 09 1823-1835 - Old pops, Classic Gold Cash Call contest, weather for Thames Valley at 1834; SIO 232. [JB]
- 1431 GERMANY Mega R., Wilsduff, NOV 04 0111 - Hip-hop and rap music // 1575; SIO 333. [JB]
- 1431.03 IRAN IRIB, Esfahan, NOV 06 0111 - Koran // 1503; SIO 332. [JB]
- 1440 LUXEMBOURG China Radio International relay, Marnach, NOV 2, 1931-1943, French program with Chinese language lesson. Into new program of music from different regions of China at 1938. Co-channel Saudi station faded up at 1937. Good [JF]
- 1449 ITALY RAI R. 2 synchros, NOV 03 1845 - Short news reports, echo from poor synchronization; SIO 243. [JB]
- 1449 UNID Jammer, NOV 8 1907. [JR]
- 1458 ENGLAND Capital Gold, Manchester, NOV 09 2002 - News ends, promo and many canned IDs; SIO 333. [JB]
- 1467 PRIDNESTROYE R. Mayak, Grigoriopol, NOV 05 0323-0330 - Mellow pops, possibly ads from 0328, IS, ID and international news; SIO 343. [JB] NOV 5 0327 - ID heard, previously logged as VO Russia. [JR] NOV 5, 0517-0530*, local ads in presumed Moldovan, ID and news report. Another ad at 0528, talk and then off. Good. [JF]
- 1467 FRANCE Vatican Radio, Roumoules, NOV 3, 1922-1940, German program // 4005. Good [JF] NOV 5 1809 - usual programming, via Monte Carlo transmitter in France. [JR]
- 1476 EGYPT Holy Koran Service, El Minya, NOV 04 0057 - ID, the Koran // 864; SIO 333. Site is according to WRTH. [JB] NOV 4, 0058, Koranic recitations // 864. Poor [JF] NOV 5 0329 - Koranic reading, // 1593. [JR]
- 1476 UAE-DUBAI UAE Radio, NOV 3, 0218-0232, IS on stringed instrument, brief Arabic announcement by man at 0226 followed by anthem. Sign-on announcement at 0227. Call To Prayer 0229. Poor to Good [JF]

- 28
1485 SPAIN R. Zamora, Zamora, NOV 07 1808 – Local ID, very weak but it was broad daylight; SIO 132, but it was not the strongest Spanish signal on the frequency. [JB]
- 1494 GREECE ERA2, Rodos, NOV 6, 0041-0100, Greek music and announcements. ID at 0100. Good [JF] NOV 10 0018 – Presumed; Greek music; SIO 433. [JB]
- 1494 UNIDS NOV 6 2154 – three stations on channel, one signs off with “Chariots of Fire” theme music, the other concludes with bells and choral anthem, the third is France. [JR]
- 1502 ANGOLA EP do Benguela, Benguela, NOV 03 1915 – Portuguese news with reports from Angolan R. Nacional; SIO 343-2. [JB]
- 1503 AZORES AFN, Lajes, NOV 3, 1836, PSA on how to tune to AFN, Buffalo vs New England football. Poor to Fair [JF]
- 1503 SPAIN RNE-5, synchros, NOV 2, 2110, Rock music, ID as “Educacion en Radio Cinco”, Good [JF]
- 1512 BELGIUM R. Vlaanderen International, Wolveterm, NOV 07 1800 – “RVI” ID then French news; SIO 243. [JB]
- 1530 ICELAND AFN, Keflavik, NOV 6, 0648-0704, AFN ID and features about constellations, biological agents, Stock Market report from Japan and Hong Kong. AP Network news at 0700. Local news Radio Newline Keflavik at 0702, weather forecast. First time that I have heard this station after numerous tries. Poor [JF]
- 1548 MOLDOVA TWR, Grigoriopol, NOV 8 1757 – TWR interval signal. [JR]
- 1548 KUWAIT R. Sawa, Kabt, NOV 10 0029 – Breathly “Sawa” slogan the music; SIO 433. [JB] NOV 10 0045 – with a punchy ID during Middle Eastern pop music. Interference from one of the two “Magic” stations in Britain. [JR]
- 1566 ENGLAND BBC Somerset Sound, Taunton, NOV 02 2319 – Big band music // BBC R. Bristol on 1548; SIO 232. [JB] NOV 5 2002 – the dominant station on 1566 all week, having recently switched to this channel, which unfortunately blocks India. [JR]
- 1575 CLANDESTINE (KUWAIT) Al Mustaqbal (Presumed), NOV 5, 2204, Arabic music. Poor [JF]
- 1584 SCOTLAND R. Tay, Perth, NOV 09 1743 – Weather, Scottish music program; SIO 354. [JB]
- 1584 SPAIN SER R. Gandia, Gandia, NOV 05 1825-1838 – Over and under RadiOlé’s flamenco music, local ads, news, and local announcements, a clear ID came through at 1828; SIO 332 at best. [JB]
- 1593 IRELAND R. Caroline, Cork, NOV 05 1900-1913 – This 200-watt TA was fighting for the frequency with the VOA, IDs at 1900 and 1912, pop music, car rental ad at 1911; SIO 322. [JB] NOV 5 1910 – pop music, ID’s, although reported as on the high side, this was mostly dead-on the frequency during the week. Not bad with 200 watts. [JR] NOV 5, 1901-1916, ID and then orchestral music. Pop music such as “Layla” and ID’s. This one is a pirate reportedly relaying Radio Caroline off satellite with 200 watts from Cork County, Ireland. Poor [JF]
- 1593 KUWAIT VOA Relay, NOV 05 1904-1920 – Farsi talk about Iraq, SW // 9680 is 1 to 1.5 seconds behind the MW signal; SIO 322. [JB] NOV 5 1918 – Farsi program, nearly two seconds ahead of same program on 9680. At 2000, heard “Injo Washington” ID. NOV 6 2030 – heard “This is the Voice of America” ID. [JR] “This program came to you from VOA, Washington. Welcome to the Voice of America in Farsi” // 9680 with a two second delay. Very poor. [JF]
- 1593 ROMANIA R. Romania Cultura, Ion Korvian, NOV 03 1959 – Mixing with other Romanian(s) and an Arab, ID came through just before the top-of-hour; SIO 222. [JB] NOV 05 1957 – ID and Romanian anthem; SIO 332. [JB] NOV 5 1956 – Romanian anthem (as identified by Jean), heard under VOA. [JR]
- 1593 ROMANIA R. Targu Mures, Miercurea Ciuc, NOV 09 1806 – Two stations here, IDs; SIO 243. [JB] NOV 09 1859 – IS and ID in German “Neumarkter Rundfunk”; SIO 222. [JB]
- 1593 MOLDOVA / ROMANIA NOV 5, 1851-1906, Hard to tell who this was in the mess of QRM here. Klezmer music with announcements in an unidentified language. Possible ID at 1900 and news in Romanian or Moldovan. Fair mixing with BVOA and Radio Caroline – a real mess on this frequency. [JF]
- 1602 SPAIN R. Segovia, NOV 8 1854 – ID noted during break time for local programs. [JR]
- 1611 VATICAN, Radio Vaticana, Vatican City, NOV 3, 1920-1947, brief IS, s/on announcement and program in Bulgarian // 6185. IS and program in Romanian at 1940. Fair [JF]
- 1616.7 UNID PIRATE NOV 4 2220 – man speaking, Greek music and vocals. [JR]
- 1636.05 NETHERLANDS/PIRATE Graaf van Luxembourg, NOV 02 2243-2249, 2306-2309* - Polkas, Dutch talk, IDs and cell-phone number, off at 2309, but perhaps came back briefly at 2326; SIO 253. Thanks to Julius Hermans in the Netherlands for pointing out the ID (via RealDX). [JB]
- 1645 NETHERLANDS/PIRATE R. Barones, NOV 03 2055 – Dutch songs, ID; SIO 343. [JB] NOV 09 2248 – Dutch talk, telephone number, “This is Radio Barones” at 2253; SIO 343. [JB] NOV 3, 2043-2056, eclectic mix of rock music, modern pop music by Paul Simon and Schlager “folk” music. ID’s. Good [JF]
- 1650 FRANCE Cross-sur-Seine?, NOV 3, 2020, French weather broadcast for French cities. Good [JF]
- 1673.3 EUROPIRATE UNID, NOV 3, 2039-2056*, music and talks in an unidentified Eastern European language. Possibly from a location in the Balkans. Fair with deep fades [JF]
- PAN-AMERICAN DX
- 530 TURKS AND CAICOS IS Radio Vision Cristiana, NOV 6, 0705, Spanish ID and address. Good with het from Faroe Islands. [JF]
- 555 ST. KITTS & NEVIS ZIZ Radio, Basseterre, NOV 09 0423-0430 – DJ wanted to know the greatest song of all time. Of course, all telephoned suggestions were recorded since 2000! Some music, ID and ZIZ promo at 0428; SIO 322 with massive slop. [JB]
- 610 BRAZIL R. Itatiaia (ZYL268), Belo Horizonte MG, NOV 08 0308 – ID with call, promo, ads; SIO 443. [JB]
- 610 TRINIDAD NBS Radio, Port of Spain, NOV 6, 0847-0851, steel band music. Sign-on anmt in English with frequencies. Religious message at 0850. Fair. [JF]
- 630 PUERTO RICO NotiUno (WUNO), San Juan, NOV 08 0328 – Announcements, ID; SIO 322. [JB] NOV 08 0403 – ID, long jingle; SIO 333. [JB]
- 630 VENEZUELA R. Nacional (YVKA), Caracas, NOV 09 0531 – Talk on why Guyana belongs to Venezuela; SIO 333. [JB]
- 640 GUADELOUPE NOV 3, 0755-0810 – presumed, with French talk under CBC St. John’s but not // 1375 St. Pierre. Timecheck at 0800 as “neuf heures” and into news. Sports with soccer news at 0805 and newsmagazine show at 0808. Poor [JF] RFO R. Guadeloupe, Pointe-à-Pitre, NOV 07 2216 – Guadeloupe news; SIO 422 way over CBN. [JB]
- 640 VENEZUELA Unión R. (YVQO), Puerto La Cruz, NOV 08 0336 – Station list, promo for BBC news on Unión R; SIO 433, creaming CBN again! [JB]
- 660t MEXICO UNID, NOV 10 1015 – weak accordion music, possibly Mexico, with a steady signal from XERF-1570 noted during this time. [JR]
- 670 BRAZIL R. Cultura de Sergipe (ZYJ921), Aracaju SE, NOV 09 2047-2102 – Sounds like religious programming, parish news and music, ID with call and location at 2100; dominating frequency SIO 343. [JB]
- 670 BRAZIL R. Cultura Jaguarão (ZYK296), Santa Vitória do Palmar RS, NOV 09 2054 – Weak station beneath R. Cultura de Sergipe; it was confusing hearing two “Rádio Cultura” stations at the same time. This one IDed at 2054 and 2058, and the second ID included the location; SIO 222-1. [JB]
- 680 BRAZIL Grande Rio AM (ZYI793), Petrolina PE, NOV 07 2114-2154 – Music station initially under Brazilian religious broadcaster, IDs at 2115, 2125, 2147 and clearest at 2151; SIO 333. [JB] NOV 8 2103 – ID heard after “Ave Maria” segment (same program on 1460 at the time). Others ID’ed this earlier, but I finally heard it myself at this time. [JR]
- 680 PUERTO RICO R. Guapa (WAPA), San Juan, NOV 06 0849 – Local notices, cock crows, ID; SIO 432. [JB]
- 680 VENEZUELA R. Continente (YVQR), Cumaná, NOV 6, 0936-0942, lively LA music, full ID at 0939, ads and anmts of a request line. Good. [JF] NOV 10 0846-0902 – Ridiculously romantic talk and music, program was called “El Paraíso del Amor,” ID at 0902; SIO 454. [JB]
- 699.64 VENEZUELA R. Sur (YVPQ), Puerto Ordaz, NOV 06 0852 – Still off-frequency, Venezuelan harp music, three IDs in 5 minutes; SIO 343. [JB]
- 700 ARGENTINA Cadena Tres (LV3), Córdoba, NOV 06 0851-0900 – News “Radio Informa Tres;” SIO 332 getting clobbered by noise. [JB]
- 700 BRAZIL R. Eldorado AM (ZYK686), São Paulo SP, NOV 10 0808 – No doubt about the identity of this one: a succession of IDs for two minutes; SIO 433. [JB]
- 710 VENEZUELA R. Capital (YVKY), Caracas, NOV 02, 2341-0002 – Horseracing commentaries and results, ads and IDs, news from 0000; SIO 322 under CKVO. [JB]
- 720 GREENLAND Kalallit Nunaata R, Simiutaq, NOV 2, 0812, YL talk in Greenlandic, Good. [JF]
- 730 PARAGUAY Cardinal AM (ZP7), Asunción, NOV 3, 0148-0208, LA guitar music and other EZL music. No break on the hour. Sports ad at 0205 and ID as “Cardinal AM 7-30”. Poor-Fair. [JF] NOV 03 0201-0207 – Talks, “Cardinal AM 7-30” ID at 0205, “Cardinal Deportiva” promo; SIO 443. [JB]
- 730 COLOMBIA Melodía, Bogotá, NOV 10 0917 – ID during music break as “Estaciones Melodias”. [JR]
- 760 BRAZIL R. Uirapuru AM (ZYH588), Fortaleza CE, NOV 07 2316 – Religious programming, ID; SIO 433, but losing fast to Spanish QRM. [JB] NOV 3, 0812, ad for Agua and businesses in Fortaleza. Good. [JF]
- 770 VENEZUELA R. Nacional (YVKK), Valencia, NOV 07 2225 – Government reports/news, commentary about the seriousness of falsifying signatures; SIO 443. [JB]
- 780 BRITISH VIRGIN IS. ZBVI, Roadtown, NOV 07 2320-2324 – Ad for body-building competition, restaurant ads, ZBVI promo, music from 2324; SIO 352. [JB]
- 789.95 BARBADOS Voice of Barbados, Bridgetown, NOV 07 2305 – BBC news, jingle, ID before

- 30 church music; SIO 353. [JB]
- 840 BRAZIL R. Excelsior da Bahia (ZYH447), Salvador BA, NOV 02, 2156-2203 – Mainly ads, sung ID including call just before 2200 then more ads; over R. Bandeirantes, SIO 333. [JB]
- 840 HAITI R. 4VEH (4VEF), Cap-Haitien, NOV 03 '0959 – Sign on with chimes, anthem and complete ID; SIO 332. [JB] NOV 3, 1000-1005, anthem, s/on anmt in French w/ID "La Voix Evangelique..." and address. Quickly dropped below co-channel Cuba. Good. [JF]
- 840 ARGENTINA Radio Salta, Salta, NOV 6, 0841, Spanish ID. Fair [JF]
- 850 VENEZUELA R. Fé y Alegría (YVZC), Maracaibo, NOV 02, 2316-2329 – Educational talks, ended program at 2328 with "Fé y Alegría presente...;" SIO 343. [JB]
- 860 BRAZIL Cidade AM, Maracanã CE, NOV 7 2032-2102 – ad for "Auto Mall" in Fortaleza, ID at 2102. [JR]
- 860 URUGUAY Radio Carve, Montevideo, NOV 5, 0346, ID as "Transmitiendo CX16, Radio Carve, Montevideo, Uruguay". Fair. [JF]
- 870 PUERTO RICO R. Voz (WQBS), San Juan, NOV 09 2208 – Long ad string, something was available "en Bayamón," harp music at 2211; SIO 443. [JB]
- 890 BRAZIL R. Planalto (ZYH706), Brasília DF, NOV 04 2234-2236 – Ads, promo for football coverage, ID; SIO 433. [JB]
- 900 MEXICO XEW, Mexico City, NOV 6, 0852, ID as "W Radio" and LA music. Fair. [JF]
- 910 VENEZUELA RQ-910 (YVRQ), Caracas, NOV 2, 0818-0828, LA mx and ads, TC for UTC-4, ID's as "RQ" (Ere-Coo), Good [JF] NOV 02, 2212 – Horseracing results; SIO 333. [JB]
- 930 URUGUAY R. Monte Carlo, Montevideo, NOV 7 0031 – with CJYQ slightly weakened by phasing, a "Monte Carlo ... Uruguay" ID was weakly heard. [JR]
- 940 PUERTO RICO WIPR, San Juan, NOV 07 2154-2204 – Credits for the program that was ending, drums at 2155 but faded out until 2202 when there was an interview with a Puerto Rican professor who had published a paper in *Nature*; SIO 332. [JB]
- 950 ARGENTINA R. Belgrano (LR3), Buenos Aires, NOV 08 0210, 0235 – Fade up over Brazilian with program from the "Centro Cultural del Tango," nicely timed promo and ID at recheck at 0235; SIO 343. [JB] NOV 8 0225 – heard with this slogan for the first time, previously R. Libertad. [JR]
- 950 CUBA R. Reloj, NOV 6 0336 – easily heard through the hash with code Ids. [JR]
- 950 VENEZUELA AM Popular, Caracas, NOV 9 0939 – one of many Venezuelan stations rising up in the morning as Brazil and Argentina fade out. Heard with a "Radio Popular" ID, phone numbers, and a sung ID ending with "... Popular". [JR]
- 970 VENEZUELA Mundial, Barcelona, NOV 02, 2225-2227 – IDs and promo for baseball coverage; SIO 343. [JB] NOV 06 0948 – IDs and promos; SIO 444. [JB] NOV 7 0355 – noted with sign-off announcement and anthem. WRTH lists this as 24 hours. [JR]
- 1000 BRAZIL R. Record (ZYK522), São Paulo SP, NOV 02, 2230-2249 – Brazilian ballads, ID mentioning SW broadcasts as well, religious program; SIO 443. [JB]
- 1000 VENEZUELA Mil AM / La Caribeña (YVNM), Morón, NOV 03, 0145 – Ad for a doctor in Morón; briefly dominating over R. Record, SIO 333. [JB] NOV 6, 0947, LA music and ID. Good. [JF]
- 1010 BRAZIL R. AM de Povo (ZYH625), Fortaleza CE, NOV 08 0300 – Many IDs, lottery numbers (?); SIO 342. [JB]
- 1020.10 PARAGUAY R. Ñanduti (ZP14), Asunción, NOV 08 0302 – News read by man and woman, ID at 0303; SIO 343. [JB]
- 1029.90 HAITI R. Guinen, Port-au-Prince, NOV 10 0911-0945, 1015 – Religious songs back to back (sounded always to be the same group), at 0943 church bells than a man in accent IDed as "Radio Guinen, 92.9 FM et 1050 AM," and he said the R. Guinen broadcast the Mass every day at this time, then a man sang in Creole "Vous caputez la Radio a la Cayo..." The Mass followed. The signal was still apparent with music at 1015; SIO 233 at peak. [JB] NOV 10 0912-1014 – While checking out the pseudo-Chilean on 1030, we spotted a strong signal on the low side, which upon Jean's tape review proved to be this station (not even close to the 1050 channel listed in the 2002 WRTH!). My tape shows the same stuff, but I doubt I could have dredged up its meaning as well as Jean! [JR]
- 1030 ARGENTINA? R. Del Plata, Buenos Aires, NOV 10 0911 – Probably this one with the tantalizing words "Chilena" and "desde Santiago", perhaps a news report from there. [JR]
- 1030 BRAZIL Radio Olinda, Olinda, NOV 2, 2158-2207, pop music with no breaks on the top of the hour. Jingle and full ID at 2206. Fair. [JF]
- 1060 MEXICO Radio Educación, Mexico City, NOV 6, 0832, Latin ballads // 6185. Fair [JF] NOV 6 0947 – noted // 6185 with flute music. [JR]
- 1110 ARGENTINA La Once Diez, Buenos Aires, NOV 9 0805 – mention of Buenos Aires, temperatures, "La 11-10, en la ciudad, y con la gente". [JR]
- 1120 BRAZIL R. Rural (ZYK274), Porto Alegre RS, NOV 04 0151 – "Abraza a todo o Red Rural," accordion music; SIO 333. [JB]
- 1130 VENEZUELA R. Ideal (YVRL), Maiquetía, NOV 03 0936 – Faded up in time for clear ID; SIO 333. [JB]
- 1150 ARGENTINA R. Brigadier López (LT9), Santa Fé, NOV 07 0219-0233 – Telephone chat, "LT9" slogan at 0231, temperatures in Santa Fé, news; SIO peaks at 444. [JB]
- 1160 ANTIGUA Caribbean R. Lighthouse, St. John's, NOV 04 2359-0001 – Spanish religious program ending, ID in English at 0000, relay of BBC news; SIO 333. [JB]
- 1170 ARGENTINA R. América (LR9), Buenos Aires, NOV 03, 0003 – Fading up quickly with ID, and news; SIO 433. [JB]
- 1170.03 BRAZIL R. Difusora (ZYJ598), Mossoró RN, NOV 03, 0154-0200 – Brazilian pops in program "Discoteca da Noite," ad string for stores in Mossoró from 0157, long sung ID at 0200; SIO 443. [JB]
- 1189.97 BRAZIL R. Juazeiro (ZYH459), Juazeiro BA, NOV 02 2053-2110; 2139-2210* – Messy reception due to a number of signals from Brazil on slightly different frequencies: mainly telephone talk initially, may have become religious later – was definitely so by 2142 – decent IDs were caught at 2054, 2142 and 2210, when the station seemed to sign off; peaked at SIO 333. [JB]
- 1190 ARGENTINA R. América (LR9), Buenos Aires, NOV 5, 0202, ID as "Radio America Informacion", news program with man and woman alternating items. Good. [JF] NOV 10 0145 – Erudite discussion of Argentinean affairs; SIO 333. [JB]
- 1230 BRAZIL R. Atual AM (ZYK766), São Paulo SP, NOV 03 2150 – Phone reports, jingle ID; SIO 443. [JB] NOV 09 0504 – Many IDs, accordion music; SIO 333. [JB]
- 1230 PUERTO RICO R. Unica (WNIK), Arecibo, NOV 08 0003 – News, ID; SIO 332 with Brazilian interference. [JB]
- 1250 BRAZIL R. Liberdade, Itarema CE, NOV 04 2150-2154 – Music and ID over "A Voz do Brasil" program; SIO 332. [JB]
- 1250 BRAZIL R. Metropolitana (ZYL367), Vespasiano MG, NOV 05 0308 – Faded above Spanish stations with ID; SIO 333. [JB]
- 1269.94 ARGENTINA R. Provincia de Buenos Aires (LS11), La Plata, NOV 07 0235 – Tangos, ID; SIO 333. [JB] NOV 7 0302 – nice ID heard at this time following an anthem, during a program of tangos. [JR]
- 1280 PUERTO RICO WCMN Arecibo, NOV 9 1000 – Heard several times during the week as "NotiUno", but here was a call letters ID. [JR]
- 1280 BERMUDA VSB, NOV 9 1000 - Bible Broadcasting Network program; not listed on any list of BBN's US affiliates, but their website say they are on in Bermuda, and in response to an e-mail query they say it's them there. [JR]
- 1280 BRAZIL Super Radio Tupi, NOV 4, 0220-0256, Brazilian pop music, DJ with phone calls. Jingle ID at 0255. Good. [JF]
- 1290 US VIRGIN IS. WWRA, Frederiksted, NOV 08 2250 – Talk // 1620; SIO 242-1, impossible to ID without the parallel. [JB] NOV 8 2251 – Neil found this with the same program as WDHP 1620, Dr. Dave call-in program. [JR]
- 1290 VENEZUELA R. Puerto Cabello (YVLF), Puerto Cabello, NOV 10 0933 – Caught ID in passing; SIO 343. [JB]
- 1290 BRAZIL R. Timbira do Maranhão, Sao Luiz MA, NOV 7 2302 – A nice ID heard in the pile-up on this frequency, along with a severe het. [JR]
- 1290.37 BRAZIL R. Metrópole AM (ZYH450), Salvador BA, NOV 03 2210-2300 – Relay of an FM station, "ZYC 286 (or 886), 101.3 Metrópole FM, a radio da cidade" is the ID; SIO 443. Thanks to Rocco Cotroneo in Brazil for elucidating the ID (via RealDX). [JB]
- 1300 VENEZUELA R. 1300, NOV 9 0943 – another quick log, with ID, as I was flushing out morning Venezuelans: "Descubre una nueva forma de sensación, escuchan mil trescientos ...". [JR]
- 1310 BRAZIL R. Mazagão Beija, Mazagão AP, NOV 08 0409-0431 – Brazilian pops, many time checks, simple canned IDs at 0414 and 0430 as "Rádio Mazagão Beija," which is somewhat at variance with WRTH; SIO 352-1 with reception marred by brutal noise. [JB] NOV 8 0440 – program of light music, alternating frequent frequent ID's between a man and a woman "en Mazagão, Beija Flora Radifusão ... con mil wats de potencia", initially ID'ed by Neil, listed as a CP in the 2002 WRTH. [JR]
- 1320 BRAZIL R. Milênio (ZYH243), Maceió AL, NOV 04 2046-2052 – Ads mentioned Maceió, Catholic religious talk, IDs at 2050; SIO 343. [JB]
- 1320 PUERTO RICO Super Kadena, San Juan, NOV 8 2305 – network slogan in passing. [JR]
- 1340 BRAZIL R. São Luiz, São Luiz MA, NOV 6 0810 – noted with time check and mention of Sao Luiz. [JR]
- 1350 PUERTO RICO NOV 7 0148 – baseball play-by-play, mentions of Mayaguez and Caguas. Stong interference from R. Buenos Aires, which was heard ID'ing at 0259. [JR]
- 1370 BRAZIL R. Boa Vontade (ZYK766), São Paulo SP, NOV 04 0252-0307 – Woman with religious talk, "Boa Vontade" ID and "LBV" mentioned at 0300; SIO 322. [JB]
- 1370 BRAZIL R. Independência (ZYJ267), Curitiba PR, NOV 03 0755 – ID emerged over other

34			
326	UNID FXY, NOV 8 0248.	383	ALGERIA TIO, Timimoun, NOV 6 0107.
329	UNID FOF, NOV 8 0248 (I'm guessing Martinique).	392	ICELAND KE, Keflavik, NOV 9 2012.
		396	PORTUGAL AI, Aveiro, NOV 6 0040.
329	AZORES SC, NOV 9 2040.	399	SPAIN MTN, Salamanca, NOV 6 0041.
332	PORTUGAL FAR, Faro, NOV 5 0009.	400	BRAZIL CAX, Rio de Janeiro, NOV 7 0218.
335	MADEIRA PST, Porto Santo, NOV 5 0015.	400	MOROCCO AML, Agadir, NOV 7 2345.
341	AZORES GP, Lajes, NOV 6 0240.	402	FRANCE MQ, Miquelon, NOV 5 2312.
345	BARBADOS BGI, Adams, NOV 6 0743.	404	UNID QSL, NOV 5 2312.
353	VENEZUELA HOT, NOV 7 0742.	409	BRAZIL PEL, Manaus, NOV 6 0727.
359	GREENLAND NA, Nassarssauq, NOV 6 0232.	415	ST. LUCIA SLU, Castries, NOV 7 0240.
		416	SPAIN BLN, Bailen, NOV 5 2326.
360	BRAZIL JAC, Jacareacanga, NOV 7 0739.	420	AZORES PI, Pico, NOV 5 2326.
361	ASCENSION ASN, NOV 8 0150.	421	UNID OE, NOV 5 2331.
361	AZORES HT, NOV 9 2026.	426	FRANCE RY, Royan, NOV 5 2338.
362	GRENADA GND, Pt. Salines, NOV 8 0148.	426	AZORES GC, Graciosa, NOV 5 2338.
		428	SPAIN MNF, Morón de la Frontera, NOV 5 2339.
364	ICELAND OK, Keflavik, NOV 9 2020.		
368.5	LUXEMBOURG ELU, Luxembourg-Berg, NOV 5 0039.	430	FRANCE SN, St. Yan, NOV 6 0005.
		433	SPAIN JRZ, Jerez, NOV 6 0034.
369	ANTIGUA, NOV 6 0728.	433	UNID GHT, NOV 6 0039.
371	AZORES MGL, San Miguel, NOV 5 0044.	518	BRAZIL BHZ, Belo Horizonte, NOV 7 0243.
371	GREENLAND OZN, NOV 5, 0045.	1620	BRAZIL ZZ, Petrobras XIV Platform, NOV 5 0100.
373	UNID CVB, NOV 7 0732.		
375	BRAZIL BRR, Barreiras, NOV 7 0728.	1650	UNID SS53, NOV 4 2212.
380	AZORES FIL, NOV 5 0049.	1650	UNID DOL, NOV 4 2212.
380	PORTUGAL LAR, Lajes, NOV 5 0049.	1672	UNID BCP, NOV 7 2320.
378	GREENLAND CP, Constable Point, NOV 5 0053.	1730	UNID FRA, NOV 7 2322.

TESTIMONY

Jean Burnell speaks:

"This was the first Newfoundland DXpedition at which there was no local participant. I had taken a new position in Halifax during the summer of 2001, so instead of just driving my car to the DX site, I was flying to Newfoundland like every other participant. This led to a new logistical consideration. Weight. I was the guy bringing all the wire, the long coax lead-ins, the splitters, and the pre-amps, and so it was with some trepidation that I checked in at Halifax airport.

"How many bags to check in?" the tiny CanJet agent asked. I indicated two, my suitcase and a very large box. I did not volunteer that together they likely weighed more than she did. Then, ticket in hand, I scurried towards the departure area before I was asked to explain almost 100 lb of luggage. Nevertheless, everything arrived in St. John's without a hitch. Unlike in previous years, I had to use valuable time to pick up a rental car, ground rods at a hardware store, drinking water and some food. Finally, on arrival in Cappahayden I had little daylight left for erecting an antenna, but I managed to deploy 600 m of the "Brazilian" Beverage. DX that evening was plagued by atmospheric noise, a problem that continued throughout the DXpedition. Thunderstorm crashes were so strong and frequent that some parts of the MW band, like the X-band, were often unusable. John Fisher arrived in the middle of the night. He can confirm that the accommodations at the house in Cappahayden had deteriorated considerably over the previous year. There were only two beds and in one bedroom there was no heat. John and Jim ended up sleeping in sleeping bags on the floor.

John and I completed the antenna work in the morning. This time we used only two Beverages, one towards South America and one towards Europe. The European antenna was fortuitously also aimed "off the back" towards the southwest, which led to some unexpected catches. Foremost amongst these was Radio VEA from Guatemala on 1570 kHz. Central Americans are difficult catches from Newfoundland, and this is only the second Guatemalan ever heard from Newfoundland. My own passion for the Brazilians was rewarded with reception of six or seven "new" ones, but reception of southern South America was particularly poor this time. Radio Guinen from Haiti made a surprising appearance on 1029.90 kHz, far from its nominal 1050 kHz, on the last morning. This many have been the only "new" Caribbean station. Conditions to Europe have not been optimal for some years. Nevertheless, we did land some Russians, and I finally got some satisfaction untangling the Romanians on 1593 kHz. Eastern Mediterranean and Middle Eastern reception was definitely poorer than it had been just a few years ago. Previously dominant signals from Greece, Turkey and Syria arrived feeble and interference-ridden. Nevertheless, it is likely that Hebrew programming heard on 1143 kHz was Arutz Sheva, which would represent a new log from Newfoundland.

Once again, the weather ranged from fair to terrible during the week. The European Beverage was damaged by wind and surf action twice. I thought we were very lucky that the weather was reason-

ably good on the last day. Winding in the wires and packing up was easy this time. Once again, the airline had no objection to my ridiculous luggage. This capped off another enjoyable, but possibly last, Newfoundland DXpedition. I can only hope that the parlous condition of our accommodations in Cappahayden does not mean the end of these DXpeditions. I regret to say that I am not optimistic."

John Fisher speaks:

"Although this was my fifth Newfoundland DXpedition, they continue to remain the highlight of my often sporadic DX season. I have come to view these events much like some folks view their annual trips to a hunting camp - a chance to get together with friends once a year to do something that we often have little time to do throughout the rest of the year, swap stories and generally enjoy each others company. And oh yes, the Spartan accommodation conditions that we have are increasingly becoming more like those of a hunting camp.

Having been to Newfoundland for several of these adventures means that it is becoming an increasing challenge to hear new stations (a rather pleasant challenge I must say), but there is always something new to try for depending upon where signals are propagating from. During the first couple of times that I was here, it was like being a kid in the candy store; there were just so many new things to hear. Now we find that we tend to pass by the "easy stations" (only from Newfoundland would I say that these are easy!) such as Belgium, Azores, Italy and focus on fewer but harder targets. The logs reflect this focus, I think.

On the whole we found medium wave reception probably a little poorer than normal. For the first few days, the usual reception of low powered British regional stations was almost non-existent, however, not much else was popping up on their normal channels either to take their place. But by Nov 5 they were starting to make their appearance with loggings of the 200 watt Irish relay of Radio Caroline on 1593 and the 80 watt Asian Sound Radio on 1377 thanks to France having transmitter problems. Other highlights for me were finally getting a solid clear log of Kenya on 1386 and hearing the AFN station in Keflavik, Iceland on 1530.

As I was there over a Sunday morning UTC, I made it a point to try for some European pirates in the 48 meter shortwave band and boy were they audible! I heard many new stations and had several other unidentified stations that I am still trying to ID from the tapes.

Unfortunately I had to leave one day earlier than originally planned due to an upcoming business trip and that was an adventure of its own. I had to layover for the night in Halifax and managed to have this coincide with Halifax's first snowstorm of the season. I am not sure which was the best part - packing my clothes at 4 am in darkness since half the city had been hit with a power failure, walking down 15 flights of stairs with all my radio luggage because the elevators weren't working, the 2.5 hour bus ride to the airport, having the bus go off the icy road into the ditch or finally reaching the airport and finding out that all flights had been cancelled anyways! Fortunately I did get home - only several hours delayed.

This year our host Jean Burnell deserves an especially big thank you. Organizing a trip like this from Halifax and not being able to drive down ahead of time with all of our gear made it a logistical challenge, but we did manage to get all of our radio equipment, food and bedding to Cappahayden with only minimal difficulty thanks in large part to Jean's organization."

Jim Renfrew speaks:

"My airline did not go bankrupt the day before my journey began (as it did last year!), so from the start this was a much better experience. Who could have imagined that I would be in Newfoundland DX'ing in my fifth year since 1995? However my status as a Newfoundland veteran appear to have weathered my youthful features, as the cashier at Zeller's asked to see my "senior" card for a discount! I'm only 48, so let's not rush things, please. Other than the lack of bed to sleep in, the rest of the week followed the usual Cappahayden routine: up all night, sleep at dawn, go out for lunch, and then back to the dials as the first TA signals begin to roll in around 2:30 PM with the sun still high in the sky.

Crossing the border back into the US at Lewiston NY resulted in a trunk search (my first), and a brief conversation about radio equipment. I probably told the border agents more than they wanted to hear about my reasons for visiting Canada. Then they asked me why I hadn't registered the equipment with US Customs before crossing over to Canada. I explained that I had never heard of such a thing, and that seemed to satisfy them. So it looks like that's what I'll do next time. But after thinking about it, I wonder if they mistakenly concluded that I was an amateur operator.

As far as DX'ing, it's not as easy to find new ones, now that we have picked off all the easy targets through the years. So as is the case at home, DX'ing takes a lot of digging (looking for that weakest of the three programs on a channel), patience (hoping for the fade-in to occur at the top of the hour), and luck (such as French and Irish stations going off the air with transmitter problems). Enhancing our chances, of course, is the teamwork that gets multiple ears working on an elusive signal, along with the rich repository of DX knowledge in the room.

During quiet moments, I did some longwave beacon DX'ing, and the TA, Caribbean and South American stations heard were very encouraging. The highlight was ASN from Ascension Island, also heard by the group in Miscou NB in September.

Many thanks to Jean for setting this up. Accommodations were not as accommodating as previous years, and it's hard to trouble-shoot such things from a distance. But even under more difficult conditions, it's a fantastic experience, well worth the time and money.

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'Bob Flick' Loop Antenna Coupler

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Alternative Methods of Air Core Loop Amplification

Antenna Reference Manual Volume 2 - Order Item **ARM2 Revised and updated in 1996**

This manual is a compilation of numerous articles on the subject of antennas for medium wave DX'ers. Originally published between 1974 and 1981 in *DX News*. Some articles were formerly available as reprints. Includes articles on air-core and ferrite core loops, antenna tuners for longwire and beverage antennas and phasing units for use with beverages and longwires. 8 1/2" X 11" bound book format. **ARM2** Contents:

A Good Loop is Easy and Cheap to Make

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ANTENNAS

Many articles formerly in this section are in the Loop and Beverage Manuals.

A2 A ZERO SHARPENING DEVICE FOR A BCB LOOP. T. Holmes. If you're having trouble obtaining sharp nulls with a standard loop, this simple device may help. (1)

A3 A VERSATILE LONGWIRE ANTENNA COUPLER. R. Foxworth. How to get the maximum amount of signal from your longwire. (3)

A9 DOWN TO EARTH GROUNDS. G.P. Nelson. How to make low resistance ground connections for terminating a Beverage (2)

A10 A CALIFORNIA BEVERAGE. Fr. Jack Pejza. Results obtained at this Beverage site. (2)

A12 THE VERTICAL PICKUP PATTERN OF THE MW LOOP ANTENNA. G.P. Nelson. Information for those doing horizon blockage experiments with a loop antenna. (4)

A13 USING TWO ANTENNAS TO GENERATE ASYMMETRICAL RECEIVING PATTERN. M. Levintow. Shows a simple way to skew your loop's pattern to effect a null that will permit reception of a station impossible to receive on a figure-8 loop antenna by itself. Reprints A5 and A6 are a requirement for understanding this technique. (3)

A14A NEW MEDICAL BREAKTHROUGH FOR LONGWAVE TA'S. C. Clayton. Instructions on how to build an inexpensive loop antenna for LW. (1)

A15 REVIEW OF THE DYMEK DA-3 ANTENNA. Pete Taylor, with notes by R. J. Edmunds. Evaluation of this MW antenna. (4)

A16 MORE ON BEVERAGE ANTENNAS. Wes Boyd. Beverage antenna theory and application. (2)

A17 MORE FERRITE LOOP ANTENNA INFO. Dallas Lankford. Inconsistencies in ferrite-core loop antenna theory. (3)

A19 NEBE: THE NEBRASKA BEVERAGE. D. Fischer, C. Dabelstein, R. Mitchell. Results at the Nebraska Beverage site. (7)

A20 THE LSCA-1. Ron Schatz. Construction plans for the Loop Sense Cardioid Array. Should yield a uni-directional receiving pattern when operated properly. (10)

A25 A NOVEL APPROACH TO BUILDING YOUR OWN BCB LOOP. M. Maloney. Ideas for improvements in operation and sturdiness of loop antennas. (4)

A27 SEVEN PASSIVE TUNERS. Mark Connelly. This article will introduce you to many different tuner designs and how they are used (10)

A29 REMOTELY-CONTROLLED ANTENNA TUNER RT-1. Mark Connelly. An introduction to the design of remote tuning for loop or wire antennas from distances of 50 feet or more. Use w/ A43 (7)

A30 REMOTELY TUNED DIRECTIONAL LOOP ANTENNA. E.L. Cummins.

Loops ideas for building where interior mounted loops will not work. (11)

A31 SIMPLE CHEAP AND EFFECTIVE PRESELECTOR LONGWIRE TUNER-AMPLIFIER. B. Sherwood. Schematic and brief instructions are given. (3)

A33 ANTENNAS FOR AM BROADCASTING. Steve Kennedy. A brief history of early and current station antenna systems. (4)

A34 SOME ANTENNA EXPERIMENTS - PART 1. W.R. McIntosh. Ever heard of a Helical longwire? This article deals with compact antennas for use where space is limited. (3)

A35 THE PHASE ONE - A Delay Line Phasing Unit. Gerry Thomas. Description of an improved phasing unit design that can be built or is available in kit form. (3)

A36 LOOP-LONGWIRE COMBINED ANTENNA. P. Swain. "Sensing" antennas for DXing and direction finding. (3)

A38 EXTREMELY LINEAR ELECTRICALLY TUNABLE ACTIVE RECEIVING ANTENNA. Hopf and Lindenmeier. Technical discussion of an antenna system that is the optimum solution towards allowing undisturbed reception near transmitters. (5)

A39 SIMPLE PASSIVE LONGWIRE TUNER. Mark Connelly. A basic tuner that can eliminate mixing spurs caused by strong locals. (2)

A40 AMPLIFIED PHASED SHORTWIRES. Mark Connelly. Construction article. Utilizing an SM-2, phasing unit and short wire antenna. (8)

A41 THE KOWALSKI LOOP. Neal Perdue with comments from Paul Kowalski. A first-hand account of this ferrite core loop antenna. A non-technical review, with comparisons to the SM-2. (2)

A42 THE MWT-1 FAMILY OF ANTENNA TUNERS. Mark Connelly. Construction plans for the MWT-1, Mini MWT-1A, 1B and 1C antenna tuners (28)

A43 RT-1 REMOTELY-TUNED ANTENNA TUNER. Mark Connelly. Description and construction plans. (10)

A44 THE MINI MWDX-3. A simple, Effective Phasing Unit. Mark Connelly. Construction plans for a one-box phasing unit. Order also A55. (21)

A45 THE MWDX-4 FAMILY OF PHASING UNITS. Mark Connelly. Construction and use of two similar series of phasing units. (25)

A46 WIND A COMPLETE-COVERAGE COIL FOR THE RADIO WEST LOOP. Fritz Mellberg. Eliminate the need to change coils during tuning of the entire MW band on this antenna. (1)

A47 TEST OF THE MITCHELL LEE LOOP AMPLIFIER. Mark Connelly. A new low imped-ance input, 3-transistor amplifier used with series tuned loops is detailed, along with improvement ideas. (6)

A48 YAD ANTENNA GIZMO Jerry Starr. A simple-to-build antenna switching device. Will ground the antenna not in use while using the other; designed for 2 antennas and 1 receiver. (1)

A52 COMPUTER-AIDED ANTENNA TUNER

DESIGN. Mark Connelly. This BASIC computer program determines which component values are used in your antenna tuner. Tuner schematics included. (7)

A53 IMPORTANT LOOP, TUNER AND PHASER DESIGN CONSIDERATIONS ("Q" DEMYSTIFIED) Mark Connelly. Technical article. The importance of "Q" and a BASIC program to find antenna tuner component values in light of the "Q" (7)

A54 THE MITCHELL LEE AMPLIFIER: TWO TUNER IMPLEMENTATIONS. Mark Connelly. Technical article. Tuner circuits using this amplifier. Reference also A47. (5)

A55 HOTRODDING THE MINI-MWDX-3 PHASING UNIT. Mark Connelly. Technical article. More on the Mini-MWDX-3. Requires reprint A44. (3)

A57 MICRO-MWDX-4A LOOP VS WIRE PHASER. Mark Connelly. Connelly. Technical Construction Article. (11)

A59 LIL-L. Dallas Lankford. Construction plans for a new circuit for combining a loop and inverted L antenna to generate a cardioid pattern. (3)

A60 MEDIUM WAVE, A PRACTICAL APPROACH. Graham Maynard. This is a consolidation of articles that were first published by the Medium Wave Circle of England. It outlines the authors construction of his MW DX receiving set-up. (12)

A61 MWDX-5 PHASING UNIT. Mark Connelly. The latest series of Phasing Units. Construction article. (11)

A62 MINI-MWDX-5. A SIMPLE PHASING UNIT. Mark Connelly. Construction article. Similar to the MWDX-5 but simpler. A61 recommended (3)

A63 RIBBON CABLE LOOPS. Mark Connelly. A new loop concept. (5)

A64 QUANTUM LOOP Gerry Thomas & Mark Connelly. A new ferrite core loop. Reviewed and modified. (9)

A66 SUPER BOOSTER BAR. Gerry Thomas. For portable receivers. (2)

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A70 REMOTELY TUNED LOOP RTL-1 & RTL-1A. Mark Connelly. Also Contains the latest BBA-C1 Amplifier Card. (20)

A73 THE MWT-2 REGENERATIVE TUNER. Mark Connelly (21)

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A77 The RTU-1. Mark Connelly. A remote tuning unit for active antennas. (11)

A78 Coupler & Upgrades for the Quantum Loop. G. Thomas (2)

A79 SUPER MWDX-5 PHASING UNIT. M. Connelly. Upgrade of Reprint A61 (16)

A80 ANOTHER LOOK AT NOISE REDUCING ANTENNAS by Mark Connelly (3)

A81 ONE CHIP ACTIVE ANTENNAS by Mark Connelly (3)

A83 THE RTL-2 REMOTELY TUNED LOOP by Mark Connelly (24)

A84 THE DCP-1 DUAL CONTROLLED PHASER FOR REMOTELY TUNED ACTIVE ANTENNAS by Mark Connelly (12)

A85 DL-1 DELAY-LINE PHASE UNIT by Mark Connelly (9)

A86 THE MWT-3 REGENERATIVE TUNER CONTROLLER by Mark Connelly A passive and Active broadband amplification control of remotely tuned loops and whips. (21)

A87 ULTRALINEAR 2N5109 AND 2N3053 AMPLIFIERS. D. Lankford. Technical article with instructions/schematics. (15)

A88 ULTRALINEAR AMPLIFIED ONE METER WHIP ANTENNAS. Dallas Lankford. 1994 complete instructions & diagrams for 2 one meter antennas. (19)

A89 THE FULL-SIZE, FULL-PERFORMANCE I.OOP. R. Moore. A history & explanation of Loops & the author's current design. (10)

A90 ANTENNA EXPERIMENTS - summer 1994. Mark Connelly. Tests to help you choose for your needs. (5)

A91 KIWA/QUANTUM LOOP COMPARISON by Elliot Straus. (1)

A92 PHASED NOISE REDUCING ANTENNAS by Russell Scotka (7)

A93 THE QUANTUM (OR Q-STICK). A PASSIVE ANTENNA BOOSTER PLUS ADVANCED Q-STICK DXING TECHNIQUES by Jerry Thomas (8)

A94 THE MWDX-6 PHASING UNIT by Mark Connelly (24)

A95 DL-2 DELAY LINE PHASING UNIT by Mark Connelly (10)

A96 TWO REMOTE ACTIVE ANTENNAS - RL-1 REMOTELY TUNED LOOP AND RW1 REMOTELY TUNED WHIP by Mark Connelly (15)

A97 INVESTIGATION OF REGENERATIVE TUNER DESIGN THE MWT-3S by Bruce Conti - edited by Mark Connelly (6)

A98 TEST REPORT - THE JPS ANC-4 ANTENNA NOISE CANCELLER by Mark Connelly (3)

A99 LOOP SHOWDOWN KIWA VS RSM-105 by Mark Connelly (4)

A100 BBL-1 BROADBAND LOOP ANTENNA & BA-1 AMPLIFIER. Mark Connelly Construction Details and use. (11)

A101 PENNANT ANTENNA WITH REMOTE TERMINATOR By Mark Connelly Construction Details and use. (9)

A102 DXP-1 DXPEDITION PHASING UNIT Mark Connelly Construction Details and use. (9)

A103 EXPERIMENTS WITH REMOTE ANTENNA TERMINATION Mark Connelly Construction Details and use. (2)

A104 DCP-2 DUAL CONTROLLER PHASER Mark Connelly Construction Details and use. (11)

A105 THE KIWA POCKET LOOP ANTENNA by Guy Adkins Review of this portable antenna (1)

A106 The Wellbrook K9AY Antenna: A User's Review by John Bryant. A review of this general use antenna. (5)

A107 DXP-3 DX'pedition phasing unit by Mark Connelly. Complete with schematics and parts list. (6)

A108 Coupling an external loop antenna to the DX-390 receiver by Hans K. Schellenberg (1)

A109 Is your coaxial lead-in actually an antenna? by John H. Bryant with Bill Bowers. (5)

A110A Beverage on the Beach: by Rick Cenncally (3)

A111 Testing Two (KAZ) Squashed Delta Antennas: by John Bryant A comparison of the (KAZ), the (Super KAZ), and the (K9AY) Antennas. (5)

A112 Pennant and KAZ Antennas Tests by Mark Connelly More comparative testing. (4)

A113 Pennant Antenna Review and Impressions by Ken Alexander An independent test from Ontario. (3)

A114 Fabricating Impedance Transformers for Receiving Antennas by John Bryant (4)

A115 DXP-2 DXpedition Phasing Unit by Mark Connelly (7)

A116 DXP-3 DXpedition Phasing Unit by Mark

Connelly (7)

A117 3 Loop Antenna array w/electrically-rotated nulling by Mark Connelly (4)

DOMESTIC DX

D2 IT TAKES TWO TO VERIFY, PLUS HELPFUL HINTS. J. Murley and R. Schiller respectively. Article on the station's attitude toward reception reports and veteran DX'er Schiller's tips on increasing your returns. (4)

D3 THE DX TEST FROM A STATION'S VIEWPOINT. Bill Croghan. Hints from a broadcaster arranging DX tests and obtaining more verifications. (1)

D4 WHAT IS A PRE-SUNRISE AUTHORIZATION ? R. J. Edmunds. An Explanation of psra's. (3)

D5 LONG DISTANCE RECEPTION OF DX TESTS. F. Dailey. Proven techniques. (1)

D6 MAKING THE BEST OUT OF PREPARED-CARD VERIES. Kelly Andrews. The verie collector's last resort, with numerous samples. (3)

D9 THE NSP SITUATION. J. Starr. A look at this problem from the broadcaster's side of the fence. (2)

D10 DX FROM THE TWILIGHT ZONE. P. Sullivan. Sunrise and Sunset Skip explained (4)

D11 GRAVEYARD DX. R. Foxworth, with additions by M. Levintow. DX'ing the local channels with results. (15)

D12 CANADIAN FAMILY LIFE...IT'S TWINS. J. Oldfield. Explains station "families" in Canada. List of Station groupings as of 1980 (3)

D13 THE POST-SUNSET AUTHORITY, A DAYTIMER'S DILEMMA Jerry Starr. A discussion on "PSSA's". (4)

D16 SUNRISE SKIP. R. Kramer. Practical how to info. includes pre-sunrise authorities (psra), station allocations on clear channels and auroral effects. (7)

D17 THE WORLDS HIGHEST-POWERED STATIONS. Mike Burden. From Radio Luxembourg's 1933 150KW transmitter to the mega-watters of today, includes WLW, Doc Brinkley, and more. (3)

D18 QSL'ING THE LOCALS. Skip Arey. Extracting veries from your local stations. (1)

D19 HOW TO "UP" YOUR TOTALS! John J. Rieger. An antidote to "DX burnout" and proof that there is DX after the first 1000 catches! (3)

D20 WHO'S ON FIRST? Bruce Conti. Who was the first broadcasting station in history...? (4)

D21 WHAT MAKES FOR A DX TEST? Wayne Heinen. A look at what happens at a radio station during a DX test (1)

D22 FORMAT FUTURES. Chris Cuomo. What radio formats may look like in the 1990s. (2)

D23 SATELLITE PROGRAMMING. Ed Ryan. A look at how it works. (2)

D25 A SEVENTEEN-POINT PLAN FOR AN IMPROVEMENT. Doug Smith. A fix to the AM broadcasting service as we know it? (3)

D26 ONCE UPON A TIME. Ben Dangerfield. What hap-pened years ago in DX, the NRC, and the world! 1963 was an amazing year. (3)

D27 THE STEVENSON LOG. Gene Martin. The Broadcast Band in February 1926. (1)

D28 SUNSET DXING FROM THE WEST COAST. Guy Kudlemyer. Becoming a pro at catching stations at sunset. (6)

D29 DXing Tips Using Satellite Services. D. Schmidt (2)

D30 TRAVELERS INFORMATION STATIONS. Rules and Regulations governing these numerous low-power broadcasters. (2)

D32 U. S. A. DIGITAL RADIO (IN-BAND, ON-CHANNEL). Official descriptions. (6)

D33 BAD WEATHER! USE IT TO YOUR AD-

VANTAGE. by Dave Schmidt. (2)

D34 PIRACY ON THE MEDIUM OR HIGH FREQUEN-SEAS (AND NOT WALK THE PLANK) by John D. Bowker. (5)

FOREIGN DX

F1 DXING CENTRAL, SOUTH AMERICA AND THE CARIBBEAN. Mark Connelly. Listings, by frequency, of the best bets from these areas, along with the original Connelly, DeLorenzo, Kazaross article DXing Latin America and the Caribbean. (9)

F2 TA TIPS FOR BEGINNER. Dave Yocis. Your first Trans-Atlantic receptions! (2)

F3 PORTUGUESE FOR DX'ERS. R. Schatz. Describes the important features of this language. (2)

F4 TA DX'ERS GUIDE TO SUNRISE-SUNSET TIMES. Mark Connelly. Reference to SRS-SSS times with extensive tables for many locations. (4)

F5 HUNTING LATIN BY MUSIC. R. Schatz. Describes types of LA music from various countries and how to ID stations using this information. (5)

F6 ZONAL-ANALYSIS APPROACH TO TA DX. Mark Connelly. A systematic method of grouping TA countries to help the DX'er recognize different types of openings and improve TA reception. (4)

F7 ZONAL-ANALYSIS APPROACH TO PAN-AMERICAN DX. Mark Connelly. Similar to F6, with the emphasis on the Eastern U.S. loggings of LA and South American stations. (5)

F8 STATION IDENTIFICATION. Tips on how to ID stations in nearly 50 languages! (2)

F9 SOME EASY TA'S. Dallas Lankford. (2)

F10 ID'ING JAPANESE BROADCAST STATIONS. Charles Taylor. Hints to help, without actually knowing the language! (2)

F12 COMMON SENSE TA DX STRATEGY. Mark Connelly. Practical hints are given for hearing Trans-Atlantic stations. (2)

F13 THE ODDS ONEVEN TA'S. Mark Connelly. The possibility of hearing TA's on channels shared with domestic stations. (10)

F14 YOUR FIRST 30 COUNTRIES IN ENGLISH. Mark Connelly. Listed by country. (3)

F15 CARIBBEAN MW DX GUIDE. Mark Connelly. Listed by country. (4)

HOBBY REFERENCE LISTS

Some reprints formerly in this section are found in *Station Location Mapbook* (SLM)

HRL1 National Radio Club Common Abbreviations List (6)

HRL2 Cuban Medium-Wave Broadcast Stations (This list recently revised) (4)

HRL3 U.S. Postal Service 3 digit ZIP codes (2)

HRL4 North American Time Zones to UTC Conversion Chart. (1)

HRL5 Frequency and Power Relationship Chart. Shows average coverage radius for various powers at BCB frequencies. (1)

HRL8 NRC Countries List edited by Al Merriman (2)

MISCELLANEOUS ARTICLES

M1 LOCAL SIDEBAND SPLASH: HOW MUCH IS TOO MUCH? G.P. Nelson. This article describes FCC regulations on sideband radiation on the Medium Wave band and types of station-originated spurious radiation. (1)

M2 MODULATION ARCING J. Starr. Describes a frequent but rarely discussed cause of medium wave interference originating at the station. (1)

M3 SUNRISE-SUNSET TABLES. G.P. Nelson.

These charts allow determination of accurate time of sunset and sunrise at any point in the world on any date. (9)

M4 RF INTERFERENCE AND THE HOME COMPUTER. Bill Krause, ANARC. Home computers will cause interference on your DX rig unless precautions are taken; solutions are discussed. (2)

M5 UNRESTRICTED RADIATION. G.P. Nelson. Discussion of carrier current stations and how to hear them. (3)

M6 RF POLLUTION. G. Hauser. General discussion of the radio interference problem and steps necessary to control it. (2)

M7 PATTERNS, PARTS I, IIA, IIB. P. Hart. These articles explain in detail what patterns mean and understanding their relationship to DX'ing! (34)

M9 MORE ON HOW DIRECTIONAL ANTENNA PATTERNS ARE PRODUCED. Wes Boyd. Supplementary information to the articles contained in the 1980 edition of the *NRC Night Pattern Book*. (1)

M10 SUPERMODULATION AND EFFECTS ON DX'ING. Steve Kennedy. Discussion on the problem and its affect on DX'ing. (3)

M11 TERRAIN CHARTS FOR PROPAGATION PREDICTIONS. M. Connelly. This article details how to prepare a chart of a DX'ers surrounding terrain which can help enhance or diminish reception. (3)

M12 NOISE LEVELS AND USABLE RECEIVER SENSITIVITY. C. Hutton. Technical discussion of the effect of noise on receiver sensitivity. (5)

M13 GREAT CIRCLE CALCULATIONS REVISITED. Mike Tuggle, with an addendum by R.N. Allen. An explanation, how to figure distance and direction of stations mathematically, with a computer program to figure the Great Circle paths. (4)

M17 SOME THOUGHTS ON INTERFERENCE. Skip Arey. A simple modification to eliminate noise from light dimmers. (1)

M18 MANMADE INTERFERENCE ON THE BCB. Dallas Lankford. A systematic approach for evaluating a current or future DXing location in terms of man-made noise levels. (3)

M20 THE LOG BOOK. John J. Rieger. Organizing your log book. (3)

M23 WBBM RADIO: YESTERDAY AND TODAY. Chuck Schaden. A book review (1)

M25 MUSIC IN THE AIR, by Philip K. Eberly. Reviewed by Armand DiFilippo. (1)

M30 THE GOLDEN AGE OF DX'ING. John Clements. Were the years 1969 thru 1975 the Golden Age of DX'ing? You decide. (4)

M31 ALL ABOUT WAVELENGTH. John D. Bowker. Wavelength versus frequency. An explanation. (2)

M32 STANDARDS TIME AND FREQUENCY. via Pete Kemp. Time and frequency stations located on longwave. List by frequency. (3)

M33 AM RADIO IN HIGH FIDELITY. John D. Bowker. Find out the reason why AM sounds so bad and what can be done to fix it. (1)

M34 MYSTIQUE OF THE THREE-LETTER CALL. Thomas White, via CompuServe, via Pete Kemp. The Historic Roll Call and Current Status. (12)

M37 NOISE Some Causes and Some Cures. Wayne Heinen (4)

M39 FOUR SOFTWARE PIECES FOR MW DX'ERS G. Kudlemeyer. Review of programs for Macintosh Computer Owners. (6)

M40 PIONEER BROADCASTING STATIONS IN THE U.S. Thomas White A comprehensive history of U. S. Radio including the oldest 127 stations still in operation with starting dates. (12)

M41 RFI FROM HOUSEHOLD ELECTRONICS by Perry Crabill, Jr (2)

M42 AN INTRODUCTION TO LONGWAVE DXING by Shawn Axelrod (3)

M43 HOBBY AUDIO RECORDING IN THE 21ST CENTURY by R. Charles Rippel Discussion of modern recording methods (3)

M44 A useful little timer for DX'ing by Rick Kenneally (1)

M45 An Audio Switching network by John Bryant (1)

PROPAGATION

P1 MEDIUM WAVE SIGNAL PATHS, PARTS I, II, III, AND IV. G. P. Nelson. Discusses Great Circle paths, seasonal absorption patterns, auroral effects and the Mid-Winter Anomaly. (29)

P2 SOLAR CONTROL OF DAWN E-BLANKETING ON THE MW BCB. G. P. Nelson. Explains how the position of the sun controls the fadeout time of TA's and TP's. (3)

P3 EAST-WEST SYMMETRY AND THE FADE-IN PROBLEM. G. P. Nelson. Explains how the sun controls the fade-in times for MW stations. (2)

P4 SUMMER RECEPTION ON THE BROADCAST BAND. G. P. Nelson. First article describing the seasonal patterns in solar terminator location which makes summer MW reception from deep South America and Africa possible. (3)

P5 METEOROLOGICAL EFFECTS ON MW GROUNDWAVE RECEPTION. R. J. Edmunds. Short term variations in groundwave propagation at MW frequencies and their relationship to weather conditions. (7)

P6 AURORAL EFFECTS AND THE 1969 TRANS-ATLANTIC LISTENING TEST. G. P. Nelson. A description of how the geomagnetic and auroral phenomena control TA reception from various stations. An introduction to auroral effects. (5)

P7 THE AURORA OF NOVEMBER 6-9, 1970. G. P. Nelson. Traces a classic auroral attack from its origin on the sun to its effect on MW reception. (3)

P8 COMPARATIVE MEASUREMENTS OF GEOMAGNETIC INDICES. R. J. Edmunds. A three month comparison of A-index measurements as reported by several major observatories as they relate to each other. (3)

P9 SKYWAVE OR GROUNDWAVE RECEPTION? G. P. Nelson. How to tell whether the signal from a station is arriving via ground wave, skywave, or both. (3)

P10 A BEGINNER'S GUIDE TO THE IONOSPHERE. Fr. Jack Pejza. This article explains the phenomenon which change the ionosphere and the effects of these changes on radio wave propagation. (10)

P11 THE LIMITS OF MIDDAY MW DX. G. P. Nelson. Comprehensive article describing the factors which influence radio wave propagation and reception during the late morning and early afternoon hours. (16)

P12 LIMITATION ON THE USE OF THE A-INDEX. G. P. Nelson. An explanation of the A-index as a DX'er's tool. (3)

P13 BCB RECEPTION DURING PERIODS OF HIGH AURORAL ACTIVITY. G. P. Nelson. Describes research into the effects of the aurora on MW propagation. (4)

P14 SKYLINE BLOCKAGE Fr. Jack Pejza. Mathematical derivation of the formulas needed to calculate the effect which terrain has on signals. (10)

P15 SKYLINE BLOCKAGE, SOURCES OF UNCERTAINTY. G. P. Nelson. Takes into account the possibility of signal propagation by some less common modes which are subject to blocking by

the horizon. (9)

P16 HORIZON BLOCKAGE: CAN FRESNEL DIFFRACTION BE IGNORED? G. P. Nelson. This article shows how signals that should be blocked by the horizon can sometimes be heard. (10)

P17 TRANSPOLAR DX RECEPTION. R. J. Edmunds. This technical article relates to the trans-polar reception of central and eastern Asiatic stations at sunset in North America. (27)

P18 OBSERVATIONS OF TRANS-ATLANTIC MW RADIO SIGNALS. C. W. Bailey. The results of a lengthy survey of TA receptions made over a one-year period. (3)

P19 PROPAGATION AT MW FREQUENCIES. P. Sullivan. Discusses some aspects of the factors which control signal reception on the BCB. (6)

P20 FACTORS OF MW PROPAGATION. F. Dinning. Discussion of the nature of MW propagation. (6)

P21 DOMESTIC PROPAGATION-ANSWERS TO FREQUENTLY ASKED QUESTIONS. R. J. Edmunds. A discussion on some of the propagational factors that affect domestic reception. (1)

P22 REVIEW OF SOLAR ACTIVITY FOR THE MW DX'ER. R. J. Edmunds.

An explanation of the Fredericksburg A-index as well as its use in the hobby. (2)

P23 MEDIUM WAVE IONOSPHERIC PROPAGATION PLUS THE SEQUEL TO R. Schatz. These articles take a different approach to propagation and presents new terms and theory. (11)

P24 TERMINATOR TRANSIT MECHANIX. R. Schatz. Parts I, II, III, IV AND IV-A of a series which the author states features practical techniques to hear new stations; techniques never before available. (33)

P25 SUNSPOT CYCLE 21 - THE PEAK - HOW MUCH AND WHEN. O. Oklehen, H. R. REPORT. This article, through careful predictions,

shows how the next peak in solar activity will be one of the most severe in recent history: Includes additional comments by R. J. Edmunds. (3)

P26 ATMOSPHERIC AND GALACTIC NOISE ON THE BCB. Dallas Lankford. A discussion on the amounts of various types of noise, Compared to receiver sensitivity (3)

P27 ON THE NATURE OF SCIENCE AND THEORIES OF BCB PROPAGATION. Dallas Lankford. Discussion of several theories, concentrating on the controversy concerning the degree of the arrival angle of signals propagated over long distances. (3)

P28 DXING THE 1984 SOLAR ECLIPSE. Gerry Thomas. One DX'er's experiences during this rare DXing opportunity. (3)

P29 ON OBLIQUE PROPAGATION. Dallas Lankford. Very technical discussion on the theory of oblique incidence nighttime ionosphere at BCB frequencies. (12)

P30 MEDIUM-WAVE OBLIQUE PROPAGATION - ANOTHER VIEW. Randall J. Seaver. Some different interpretations are presented on this subject, as well as examples of MW propagation analysis using the Knight Wave-Hop method. (9)

P32 RELATIONSHIPS BETWEEN SOLAR ACTIVITY, THE EARTH'S MAGNETIC FIELD, AND MW DXING. Randy Seaver. General characteristics of geophysical phenomena are addressed, in order to understand relationships between the sun, the geomagnetic field, and high-latitude DX. (15)

P33 SEA GAIN. Randy Seaver A discussion of the propagation phenomena. (11)

P36 M.F. PROPAGATION: A WAVE-HOP

42. METHOD FOR IONOSPHERIC FIELD STRENGTH PREDICTION. P. Knight. A method for calculating the strength of medium-wave frequency sky-wave signals at night. (9)

P37 BEAMAC-A-DELUXE+ GREAT CIRCLE BEARING DISTANCE COMPUTER PROGRAM. Mark Connelly. A "basic" computer program. (6)

P38 THE EFFECTS OF WEATHER ON THE IONOSPHERE. Jack Woods. A discussion on weather and MW propagation. (2)

P39 GROUND WAVE, SKY WAVE. John D. Bowker. A simple explanation of these terms. (1)

P40 TRACKING THE 1994 SOLAR ECLIPSE BY RADIO by Ken Chatterton (3)

RECEIVING EQUIPMENT AND TECHNIQUES

Some articles previously in this section are available in "The Challenging Crystal Set"

R1 SPURIOUS SIGNALS & SPURIOUS SIGNALS REVISITED. R. J. Edmunds and G. P. Nelson. Many DX'ers hear stations on frequencies where they don't belong. Article describes causes and cures of spurious MW signals. (10)

R2 SINGLE SIDEBAND RECEPTION ON THE BCB WITH MECHANICAL FILTERS. G. P. Nelson. Few commercial receivers covering the MW band have adequate selectivity to cope with MW interference—particularly in the presence of powerful local stations. Explains how to add mechanical filters to an existing receiver for the ultimate in adjacent channel rejection. (21)

R3 SUBAUDIBLE HETERODYNES ON THE MW BCB. G. P. Nelson. Details on a technique to permit the MW DX'er to detect and characterize signals too weak to hear at the time; allows the DX'er to count the number of stations on a channel—even if no programming is audible and permits direction-finding on channels with several stations present. (6)

R5 THE TRACKING PROBLEM AND HOW TO CURE IT. G. P. Nelson and T. Holmes. Many excellent receivers are poorly designed for MW DX operation. This article describes one of the most common design faults and how to cure it. (4)

R6 ELECTRONIC VERNIER TUNING. R. Moore. Detailed instructions on how to fit a varactor to a MW receiver to provide fine bandwidth. (4)

R9 RECEIVER/ ACCESSORY INTERFACES MADE SIMPLE AND CHEAP. R. J. Edmunds. A discussion of methods of interconnecting DX equipment. (7)

R10 UP THE CARRIER. W. Bailey. Dig the weak DX out of the mud with this form of exalted carrier reception. (1)

R11 PRECISION FREQUENCY MEASUREMENT. R. Schatz. How to use the frequency counter. (3)

R13 SINGLE SIDEBAND RECEIVING ADAPTERS. T. Sundstrom. How to sharpen your receiver's IF bandpass using a B&W 370 receiving adapter. (2)

R14 REVIEW OF THE AUTEK Q-BOX. T. Sundstrom. Describes the uses of this noise filtering device and its applications in MWDX. (3)

R17 BUILD YOUR OWN AUDIO FILTERS. P. Sullivan. A technical theory and construction article on inexpensive homebrew audio filters. (7)

R19 A BRIEF REVIEW OF THE AUTEK QF-1 AUDIO FILTER. C. Hutton. A non-technical review of this noise and interference filter. (2)

R20 A FREQUENCY COUNTER FOR RECEIVER TUNING. R. Foxworth. A very thorough paper on digital readouts and what to look for in various models. Discusses technical theory and provides

circuitry to enable the Experimenter to build a counter for use as a "digital dial". (13)

R22 THE LYNODYNE CRYSTAL WIRELESS RECEIVER. R. W. Tuggle. The concepts of vintage crystal radio are incorporated in these construction plans for a simple receiver, offered as a sporting alternative to modern receivers; yet it has the potential for real DX. (4)

R23 DIVERSITY RECEPTION. C. Hutton. Using more than one antenna and receiver in an effort to reduce fading and interference on one frequency. (1)

R24 TIPS ON REMOTE TAPING. R. J. Edmunds. This article explains several methods you can use to turn your receiver and recorder on while you are otherwise occupied. (2)

R25 STRONG SIGNAL HANDLING. C. Hutton. This technical article explains that sensitivity and selectivity are not the only, nor the most important, considerations in a receiver. (6)

R26 RECORDING JACKS FOR RECEIVERS. Dave Arbogast. A simple step-by-step procedure is outlined for adding a tape jack to almost any receiver. (1)

R27 TAPE RECORDING HINTS. Mark Connelly. A complete method of radio-to-tape interfacing for portable radios is detailed, complete with schematics and parts lists for construction. (4)

R28 CONVERTING THE R-390A POWER SUPPLY TO SOLID STATE. Charles Taylor. A conversion process to change the older high voltage tubes to solid state diodes is described step-by-step. (7)

R29 R-390A ALIGNMENT CHART. Charles Taylor. A step-by-step procedure for aligning the R-390A. (5)

R30 MCKAY-DYMEK DP-40 PRESELECTOR. R. Foxworth. A non-technical description of this useful filter accessory plus some modifications to improve its performance. (2)

R31 THE SUPER HQ-180. Dallas Lankford. Add a Collins mechanical filter to your "180". While not a "how-to" article, problems and results are discussed. (4)

R32 HQ-180A ALIGNMENT WITHOUT A 60 KHZ SOURCE. Dallas Lankford. Although most RF signal generators do not tune below 100 KHz., the HQ-180A's 60 KHz IF can be aligned with a 455 KHz RF source. (4)

R33 R-390A/URR PTO ALIGNMENT. Dallas Lankford. The alignment procedure to achieve exact end-point alignment in the R-390A PTO tuning is detailed. See R34. (3)

R34 INSIDE THE R390A PTO. Dallas Lankford. An in-depth article that explores the PTO tuning in the R-390A and shows how to improve its performance up to specifications. See R33. (4)

R35 THE R-390A ON LONGWAVE. Craig Healy. A simple and inexpensive method to modify the R-390A effective amplifier for loops to tune below 500 KHz. (2)

R36 THE BBA-1 BROADCAST AMPLIFIER. Mark Connelly. A simple and other antenna. Complete construction details. (11)

R37 THE GENERIC HQ-180 IF ALIGNMENT. William Marvin. A non-technical procedure that requires no test equipment. (4)

R38 VARACTOR DIODE APPLICATIONS FOR DX'ERS. Mark Connelly. Discussion of the Advantages and disadvantages of substituting the varactor diode for the variable capacitor in various DX projects. (10)

R39 A "KNOCK-YOUR-SOCKS-OFF" REGENERATIVE PREAMP. Ray Cole. A simple-to-build preamp that promises to nearly double your receiver's ability to dig weak signals out of the noise. (1)

R41 THE DX TIME-MACHINE. Craig Healy. Use your VHS VCR to record all or part of the AM Band for later listening! It may have started as an April Fool's joke, but with the modifications described, it really does work!! (3)

R42 NOISE AND SIGNAL LEVELS ON THE BCB. Marc Bergman. How much sensitivity does a receiver need? A practical view of signal level vs. BCB noise levels. (15)

R43 CERAMIC FILTERS. Marc Bergman. A listing and description of the most commonly available ceramic filters, with data from tests. (9)

R44 THE HQ-180 SERIES RECEIVERS SENSITIVITY TEST. Dallas Lankford. A simple diagnostic test. (2)

R46 SURPLUS MECHANICAL FILTERS. Marc Bergman. Test results of several reasonably-priced and available mechanical filters. (3)

R47 ADD A TUNING METER TO YOUR RECEIVER. Ray Cole. Shows how to add a meter to your radio for accurate tuning. (1)

R50 R71A SPEAKER MODIFICATION. Herman Plew. Throw that sound in the right direction with this modification. No technical knowledge needed! (1)

R51 SELECTIVITY VS. FIDELITY FOR THE DOMESTIC BCB DX'ER. Neal A. Perdue. What is selectivity? What is fidelity? Why do you need both? (1)

R52 YET ANOTHER USE FOR THE AUTEK RESEARCH QF-1A ACTIVE AUDIO FILTER. Neal A. Perdue. Clean up your DX catch tapes, even old records with these techniques. (1)

R53 THE RBL AND THE R-392/URR, A SYMBIOTIC RELATIONSHIP OR NEW USES FOR TEST POINT E203. John H. Rose III. Technical article using these receivers in a series of experiments. (3)

R54 COLLINS 51J4 REVIEW. Dallas Lankford. A detailed review. (3)

R55 COLLINS 51J4 TECHNICAL NOTES. Dallas Lankford. A comprehensive technical review. (10)

R56 MORE COLLINS 51J4 TECHNICAL NOTES. Dallas Lankford. A continuation of Reprints R 54 and R 55 (4)

R57 COLLINS R390A, THE WORLD'S BEST RECEIVER? G. S. Maynard. This review gets into the details of another fine DX receiver. Technical. (6)

R58 A SIMPLE HIGH-PASS AF FILTER. Gerry Thomas. Hear those "in-the-mud" stations better on that speaker. (1)

R59 R-5000 MODIFICATIONS. Eric Roskos via Peter Kemp. (3)

R60 COMMENTS ON G. MAYNARD'S SYNCHRONOUS DETECT. Wayne Heinen. This reprint should be used in conjunction with reprint R-57. (1)

R61 ADD A Q-MULTIPLIER & A SB-620 TO THE R390A. Wayne Heinen. (1)

R62 PHASING UNIT DESIGNS: SIMPLE TO COMPLEX. Mark Connelly. (5)

R63 HQ-180 AGC MOD. Dallas Lankford. AGC overshoot on the HQ-180 can be cured. (1)

R64 51J/R-388 BAND 1 MOD AND AGC MOD. Dallas Lankford. Increases MW sensitivity. (1)

R66 R390A AGC/BFO MODS. Dallas Lankford. Technical article. (4)

R67 R390A KHZ FILTERS FOR THE HQ-180. Dallas Lankford. How to use Collins DB filters in your HQ-180 receiver. (2)

R68 R-390A AUDIO OUTPUT IMPEDANCE MATCHING. Dallas Lankford. Improve the audio quality of your R-390A. (2)

R69 COLLINS R390A - THE ORIGINAL "WORLD'S BEST". Graham Maynard. More tips and

modifications. (7)

R70 NRD-525 AGC Mod. & AGC Mod 2 Dallas Lankford (6)

R71 DRAKE R-8 MW ATTENUATOR MOD. Dallas Lankford. (1)

R72 MODIFICATIONS FOR THE NRD-525. John R. Tow (5)

R73 HOTRODDING THE RADIO SHACK 12-625. Ray Cole (1)

R74 COLLINS TORSION MECHANICAL FILTER FOR THE R-390A. D. Lankford (7)

R75 DRAKE R-8 TYPE B SPURS ELIMINATION. D. Lankford (3)

R76 DRAKE R-8 INCREASED DYNAMIC RANGE. D. Lankford (4)

R77 MODIFICATIONS FOR THE SANGEAN ATS-803A. G. Maynard (3)

R78 IMPROVEMENTS TO REGENERATIVE RECEIVER DESIGN by Mark Connelly (2)

R79 R-390A WON'T TURN OFF AGAIN (?) by Dallas Lankford (2)

R80 NRD-525 FILTER MODS by Dallas Lankford (7)

R81 DRAKE R-8: ENCODER SHAFT STATIC ELIMINATION. by Dallas Lankford (1)

R82 DRAKE R-8: LOW HEADPHONE VOLUME & BROKEN FEET by Dallas Lankford. Cures for Same! (1)

R83 RACAL RA6790GM NOISE BLANKER NOTES by Dallas Lankford. (6)

R84 DRAKE R8 MORE ON IMPROVING IMAGE REJECTION by Dallas Lankford (5)

R85 R-390A FILTER MOD #3 by Dallas Lankford (3)

R86 Drake R8: More on improving image rejection by Dallas Lankford (3)

R87 Adding an AM FET Frontend to your low-priced portable by Jeff Sparks (4)

RECEIVER REVIEWS

RR1 RECEIVER COMPARISONS - WHAT DO THEY MEAN? R. J. Edmunds. Certain problems arise when comparing product summaries and receiver reviews. The author explores these comparisons with an emphasis on MW DX. (2)

RR2 QUALITATIVE REVIEW OF THE YAESU FRG-7 RECEIVER. G. Hauser. A non-technical review (3)

RR3 DRAKE R7-A REVISITED. Craig Healy. Reviewed and compared to the R-390A. (2)

RR5 BARLOW-WADLEY XCR-30. M. Hardester. (2)

RR8 MCKAY-DYMEK DR-22 J. Clements. A non-technical pre-production review. (3)

RR9 ICOM IC-R70 COMMUNICATIONS RECEIVER. Vincent Pinto. An in-depth, technical review. (9)

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Musings

of the Members

Thoughts from NRC members ... the opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.

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Times are local per Muse; submit double-spaced only.

Gordon Anderson (N8CCC) - 7429 Treon Place - Huber Heights, OH 45424 (Part 1 of 2 parts)

The recent letter from CESAR OBJIO in the 11/4 *DX News* asked a thought provoking question: "Is AM (Broadcast band) DXing Dying?". Talk of a dying hobby has covered the whole spectrum of the radio hobby and into other hobbies as well. Many radio clubs have discussed this topic and wondered why their membership is dwindling. As enthusiasts, maybe we should take a look back at how we became interested in the hobby, with the hopes that we might find an answer to today's problem. Most of us probably started when we were in our preteen or early teenage years. Now for some of us, this may be in the order of 20 or more years ago. Years ago radios were on prominent display. Many department and electronic stores carried one or several brands of radios, even multiband receivers including short wave. In many of these stores you could even try out the receiver. During this age these electronic devices on display caught the eye of many of us, much like the latest computer or games catch the younger eyes of today. Where are those radio displays today? Only a few electronics stores carry radios of this type, usually on a back shelf, almost out of view. Years ago we could use the AM Broadcast band to find detailed, up-to-the-minute news in other areas of the country. Many stations played popular music and had interesting shows. This made tuning around for new stations more pleasurable. Even in the early 1990's, multiband receivers flew off the store shelves when big events like the Gulf war occurred. The use of short wave gave a different source of information than what was available locally. Where would we get news today if the web or cable failed? The factor of the 24-hour broadcasters and more stations on the air has taken some of the magic out of the distant reception possible on the AM Band. The band is inundated with satellite talk shows, making stations hard to identify and where much of the subject matter is unfit for young ears. There are only a few stations with programming that would present a pleasure to listen and search for on today's AM dial. Even short wave broadcasting is not what it use to be, and that does not help the listening hobby. I have had an interest in radio for over 35 years, have been an AM band DXer for over 30 years and an amateur radio operator for over 20 years. Thinking back on my early years, I became more interested in AM DXing from articles in electronics magazines that I found in my high school library. These articles not only covered the DX'ing hobby, but also stated that some of the AM stations would QSL like the shortwave stations. As I progressed in the hobby, I shared some of my adventures with my friends, who shared with their friends (so I found out many years later). As I experimented in the radio hobby, like with building antennas and other devices, young people like paper boys and girls, neighbor kids and other passing kids would stop by with the curiosity of the project I was working. The box loop antenna always proved to be an attention getter, having the youngsters marvel on how it worked. Even into my college years and later, some of these kids would still make a periodic visit and ask about the new stations I have heard and to see my radio equipment. But times have changed. For me, its a recent job change and move to a new location. I am still setting up my shack and antennas for my radio hobby. This has presented an unfortunate situation where I have been unable to show the radio hobby to the few young people that have happened to pass my way and stop to chat. We as adults lead a more busy life and work schedule. This makes its difficult to find ways to volunteer that could promote the hobby. We have less leisure time to visit with our neighbors, visit with our relatives and to spend on our hobbies. Children have changed, where it seems to me that they are more fearful to say hi, stop by to visit and ask what you are doing, or even to trust you if they are in need of help. I would be curious if others have made similar observations. (We'll pick up this next week-DWS)

Ray Arruda - 47 Burt Street - Acushnet, MA 02743

Our Thanksgiving was a white one this year with about three inches of snow. Hope every one had a peaceful and enjoyable one with family and friends. My hat is off to the many people who make each issue of DXN the high quality publication that it is. Not much DXing done lately with MW and Amateur Radio time pretty much split 50/50. The WDFB-1170 and WLCR-1470 Tests were tried for at their scheduled times, but not heard. WWVA is very strong here at night so not much chance for anything to sneak in under them. On the local scene, we do have a Visitor's Information Station here in New Bedford on 1610...KCA-712. Typical format is a continuous tape loop inviting visitors to see local attractions, most notably The New Bedford Whaling Museum. The station, when on does ID quite

frequently, about every 2-3 minutes, but I currently do not have an address. We had two very nice GTGs in the month of November. On the 9th, Mark Connelly hosted an excellent luncheon/DXpedition in the Plymouth area. Two weeks later on the 23rd we had our annual Thanksgiving GTG in "The Lower Deck." This was our 25th consecutive year and it certainly doesn't seem like that much time has passed since the first one back in 1978! Both meetings were quite enjoyable and gave me the opportunity to meet some NRC members for the first time, most notably Nick Hall-Patch and new member Chris Black. All DXers are welcome to stop in if your travels bring you to this area...we do have limited space for overnight accommodations. Arlene & I wish all of our many friends in radio a very Merry Christmas and a Happy, Peaceful and Prosperous New Year.

Geomagnetic Summary

Phil Bytheway phil-bytheway@teknologic.net
9705 Mary NW
Seattle, WA 98117-2334

High "A" values indicate possible auroral conditions

Geomagnetic Summary December 3 2002 through December 15 2002

SWF - Space Weather Forecast
maf - major flare
mas - major storm
mis - minor storm
pca - polar cap absorption
SWT - Space Weather today
spe - satellite proton event
ss - severe storm

Tabulated from email status daily.

Date	Flux	A	K	Space Wx Today	Space Wx Forecast	Etc.
12/3	149	10	3	no storms	no storms	7
4	149	11	3	minor	minor	5
5	149	8	1	no storms	minor	3
6	148	7	2	no storms	no storms	8
7	151	15	3	no storms	no storms	8
8	154	10	2	no storms	no storms	5
9	156	5	2	no storms	no storms	4
10	161	7	3	minor	no storms	5
11	152	6	1	no storms	no storms	6
12	153	6	2	no storms	no storms	2
13	167	4	1	no storms	no storms	5
14	186	10	3	no storms	no storms	7
12/15	203	6	2	no storms	no storms	5

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