

DX News

Serving DXers since 1933



Volume 72, No. 22 - March 7, 2005 (ISSN 0737-1659)

Inside . . .

2 .. AM Switch
6 .. DDxD
12 .. IDxD

17 .. Newfoundland DXpedition, #14
26 .. GYDXA-1240
32 .. Target DX
35 .. Musings of the Members

From the Publisher . . . Bill Hale sent word that long-time NRC member Burney B. McClurkan, Irving, TX died recently. Our sincerest condolences to his family.

My apologies to Bill Hale for re-running the #17 AM Switch in #20; the missing entries are in this issue. When it rains, it pours . . . but I think I'm past having to deal with computer problems for awhile. I hope.

Note that this issue is the last weekly DXN for this season; we start skipping weeks now and go monthly again from April through September.

Professional Sports Networks . . . From Barry S. Finkel: "With the start of spring training, it is time to send me the Major League Baseball flag-ship and network information. With the start of non-weekly *DX News*, the sooner I have the information, the sooner I can get it in my column. Does anyone have any more NBA information?"

CPC Report . . . From Fred Vobbe: "Your NRC CPC has been working on tests which we hope will pan out. Plans are to send a large stack of letters out to broadcasters. The stations I'm contacting include those suggested in a list poll several months ago, suggestions from folks who contributed stamps and suggestions, and a few letters were sent via a list member to the engineers he knows who have said they would ask their management.

"At this time I would like to acknowledge some of the CPC Good Citizens. These folks helped out by sending stamps: Bill Dvorak, Ken Lyon, Harold Richards, and Terry Jones. Thanks, guys! Your donation will be put to good use.

"CPC is about setting up tests for the hobby, but it includes other things. Some contacts have been made with big stations (to some of us we call them pests), and I have asked them to try to let us know when they would be down for maintenance. Knowing that some of the big guns are off can be a help in being on the channel to see if something will rise up out of the ether. If we have enough time, I may try contacting some odd station for a test. For me, if WLW, WOWO, and a few others were off for an impedance measurement, I would die to know what resides under these powerful signals. I've also tried to educate the radio engineer, as well as station management, that DXers

can, and do, help broadcasters at times. Just this week several DXers in Ohio assisted a station in tracing some interference. This kind of P.R. helps all of us. We'll find that stations will be more likely to work with us rather than showing us the door.

"Now for something real bizarre. I've talked to several stations about tests, and they say they just don't have the time, or people to do a full blown test. However, with the help of another DXer, we came up with an idea. A few stations are willing to sell us a spot at a dirt cheap rate. On one station we were told it would be only \$4.00! I would be interested to know if any of you would try for a station which would send CW for a full minute just prior to the top of the hour at 2 to 5 in the morning. As was the case with the WFIL test, the only thing I heard was tones. If we can't get a station to do a full-blown test (which they are not obligated to do), perhaps a 60- or 30-second mini-test may work.

"Hopefully some of the contacts will pan out and we'll add some tests. And if you hear a test that the NRC CPC schedules, please don't thank me, thank the folks above that contributed to make it happen."

DXN Publishing Schedule, Volume 72

Iss.	Deadline	Pub. Date	Iss.	Deadline	Pub. Date
23.	Mar. 11	Mar. 21	27.	June 3	June 13
24.	Mar. 25	April 4	28.	July 1	July 11
25.	April 8	April 18	29.	Aug. 5	Aug. 15
26.	May 6	May 16	30.	Sept. 9	Sept. 19

DX Time Machine

From the pages of DX News:

50 years ago . . . from the March 5, 1955 DXN: Bob Seifert, Glendale, OH told of his efforts in producing the tape for the NRC DX program from WKRC-550 on 2/20, finishing the editing just 6 hours before the broadcast.

25 years ago . . . from the March 3, 1980 DXN: After hearing Belize-834 mention repeaters on 910, 930, and 940, IDXD Editor Chuck Hutton, Decatur, GA was elated to be able to bag the 910 station.

10 years ago . . . from the March 6, 1995 DXN: Ray Moore's article "The Full-size, Full-performance loop was a complete rundown on the various types of loops used for DX'ing.

AM Switch

Bill Hale w_r_hale@sbcglobal.net
6124 Roaring Springs Drive
North Richland Hills, TX 76180-5552

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

(Publisher's note: This edition of "AM Switch" includes the missing AMS V. 72 #20. Through my error, #17 was published in its place -pls.)

CALL LETTER CHANGES

Old Call	New Call
540 KMEQ	CA Carmel Valley
880 NEW	TX Midland
1150 KXTA	CA Los Angeles
1230 WNTR	MD Cumberland
1230 KPLY	NV Reno
1230 KPPT	OR Toledo
1250 KQYN	CA Twentynine Palms
1340 KTLK	CA Santa Barbara
1380 KJL	WY Cheyenne
1410 KMYR	KS Wichita
1530 WRTP	NC Chapel Hill
1630 KKWY	WY Fox Farm



P.O. BOX 1478
715 HARRISON
TOPEKA, KANSAS 66601

CPs ON THE AIR

930 WLLL	VA Lynchburg - CP for U1 9000/42 is on the air.
980 WRNE	FL Gulf Breeze - Program Test Authority granted for U2 4000/1000.
1060 WXNC	NC Monroe - CP to increase daytime power and add CH operation is on the air as D1 4000/0 CH 2400 from a new tower at N34-59-16 W80-31-05.
1160 WMLB	GA East Point - Program Test Authority granted for U5 50000/160. Station still has a pending Application to change the City-of-License (CoL) to Vinings, Georgia and increase their nighttime power from a new 3-tower site at N33-49-54 W84-28-40 for night operation only. If granted, they would become U4 50000/450 from two sites.
1230 WWGA	GA Waycross - New station is now on the air with U1 1000/1000 with a news/talk format.
1250 WMTR	NJ Morristown - CP for U4 5000/7000 is on the air. [Correction to item in Issue 21]
1330 KSNA	CA Shasta Lake City - CP for U3 1000/1000 is on the air. Although the FCC classifies KSNA as "DA-2", the day and night antenna parameters are identical. The AM Log lists it as U3, and we'll go along with that.
1490 WAFZ	FL Immokalee - CP for U1 560/700 at a new, taller tower located at N26-24-34 W81-25-48 is on the air.
1500 WAKE	IN Valparaiso - CP to add night operation as U4 1000/25 is on the air. [The station manager is 'delighted' with the response... they use an MoYL format... and the night signal gets out about 10 miles with a clean signal.]
1560 KZQQ	TX Abilene - CP to add nighttime service as U1 500/45 is on the air.

GRANTS TO EXISTING FACILITIES

1280 KDOX	NV Henderson - CP granted to move to the tower of, and di-plex with, KSHP-1400 at N36-12-39 W115-09-47. KDOX remains U1 5000/28.
1310 WGSP	NC Charlotte - CP granted to increase daytime power. When built, WGSP will become U1 5000/44.
1400 KWLA	LA Many - Coordinate adjustment to N31-34-30 W93-29-47.

APPLICATIONS FROM EXISTING FACILITIES

550 KTRS	MO St. Louis - Coordinate correction to N38-39-45 W90-07-42.
570 WAAX	AL Gadsden - Applies to change the city-of-license (CoL) to Mountain Brook, Alabama, increase day and night power levels, and relocate to a new 4-tower site. If granted and built, WAAX will become U4 10000/3000.
1060 WCGB	PR Juana Diaz - Coordinate correction to N17-59-28 W66-28-32.

1150 KAGO	OR Klamath Falls - Coordinate adjustment to N42-12-56 W121-47-51.
1220 WKMT	NC Kings Mountain - Application is to increase day power to become U1 10000/106 from the adjusted coordinates of N35-15-48 W81-19-29.
1300 KAZN	CA Pasadena - Application is to increase day and night power levels to become U4 17000/4200 and to relocate their transmitter site to that of KMRB-1430 at N 34-07-08 W118-04-54 (see later item). Two additional towers would have to be added for the KAZN patterns. [Re-application]
1340 KSGT	WY Jackson - Applies to relocate their transmitter site to a new, 186' tower at N43-27-45 W110-47-37. This happens to be a common location with that of a proposed new 1490 facility in Jackson.
1460 KDWA	MN Hastings - Applies to move to a new transmitter site at N44-44-14 W92-49-42.
1510 KSPA	CA Ontario - Applies to increase day power and add Critical Hours operation. If granted, KSPA will become U7 50000/1000 CH 10000.
1700 KTBK	TX Sherman - Licensed for U1 10000/700 from two antenna sites, this application requests U1 10000/1000, with a relocation of the nighttime tower to N33-25-23 W96-39-45 and CoL change to Richardson, TX. The owners are attempting to fill in coverage voids of their 1310 facility to the northeast suburbs of Dallas.

AMENDMENTS TO CONSTRUCTION PERMITS SUBMITTED

760 KCCV	KS Overland Park - Licensed for D3 6000/0, KCCV has a CP (built) to add nighttime service as U4 6000/200. This amendment requests the "addition of augmentations to the night standard pattern to compensate for several sources of re-radiation in the vicinity of the array".
890 KDJQ	ID Meridian - This new, as yet unbuilt station, is now planning to diplex their night site with KTIK-1350, using 250 Watts using 2 towers. The agreement with KGEM-1140 fell through and KDJQ has until April 10,2005 to complete their CP or lose it. Last resort time for them. Their day site is the same, but they did have to move the tower location a bit. Idaho Power is NOT going to abandon their transmission line right-of-way that cuts through the center of the proposed transmitter site. Now that's planning.
950 WPEN	PA Philadelphia - Licensed for U2 5000/5000, WPEN has a CP to relocate the nighttime transmitter site to that of WWDB-860 with two added towers and increase day and night power levels to become U4 50000/50000. Between that action and now, WPEN has amended the CP twice with different configurations. This latest amendment requests U4 50000/5000 using the WWDB site for daytime operation and their original site for nights.
1010 KCPW	UT Tooele - Licensed for U7 50000/13 CH 3100, KCPW has a CP to increase their night and CH power levels to become U8 50000/178 CH 35000 from a new transmitter location at N40-43-15 W112-02-29. Last week we reported they had filed an amendment requesting U8 50000/225 CH 35000 plus change their CoL to Magna, Utah from the new site. Now their at it again: a new amendment asking for U8 50000/151 CH 35000 back at Tooele has been filed. More as it happens...
1330 WEBY	FL Milton - Licensed for U1 5000/79, WEBY has a CP to increase daytime power to become U5 25000/79 at a new 3-tower site at N 30-31-05 W87-04-56. This amendment requests U5 25000/790 from that new site.
1580 WVKO	OH Columbus - Licensed for U4 1000/250, WVKO has a CP for U4 5000/290 at a new 3-tower site at N40-03-20 W82-58-15. This amendment requests U4 2500/290 at that new site.

AMENDMENTS TO APPLICATIONS SUBMITTED

950 KMER	WY Kemmerer - Original application was for U1 240/150 CH 240 with a change in frequency to 940 kHz. This amendment requests to drop the CH designation.
1070 WNCT	NC Greenville - Licensed for U4 10000/10000, WNCT has a pending application for U7 50000/8500 CH 50000. This amendment requests U4 50000/10000.
1430 KMRB	CA San Gabriel - Licensed for U4 5000/5000, KMRB had applied to increase day and night power to become U4 50000/11000 by adding three towers and moving their current three. The moving/adding of towers will also accommodate the addition of KAZN-1300 (see prior item) and KALI-900 at

their site. This amendment requests the same power set-up, but from a total of four towers instead of six. [A re-application]

1450 NEW KY South Shore - Original application was for U1 1000/1000. This amendment requests U1 620/620. 1450 NEW NM Ruidoso - Original application was for U1 250/250 CH 250, then they filed for U1 480/480. This request is for U1 1000/1000.

1530 WRPM MS Poplarville - Licensed for D1 10000/0 CH 1000, WRPM applied to move to 1170 kHz with D4 10000/0 CH 5000. When the FCC dismissed that application due to overlap with a proposed new station on 1160 kHz in Saraland, Alabama, they sent in this amendment to reduce the daytime power level to 5 kW. Plus, when WVMJ-570 turned in their license after their expanded band station WTNI-1640 came on, WRPM applied for U5 1000/3 on 570. [Correction to item in Issue 21]

APPLICATIONS FOR NEW STATIONS

740 NEW WA Redmond - Applies for U2 50000/4500.

APPLICATIONS FROM EXISTING FACILITIES DISMISSED

1000 WDJL AL Huntsville - Application for D1 1100/0 is dismissed. WDJL remains D3 10000/0.

1190 WSDE NY Cobleskill - Application to add 20 nighttime Watts has been dismissed. WSDE remains D1 1000/0.

1200 WGDJ PR Lares - Application for U1 1000/1000 (filed in 1990!!) has been dismissed.

1550 WXOL OH Delaware - CP to move to Westerville, Ohio with U7 4000/190 CH 2300 has been dropped. WXOL remains U4 500/29.

AMENDMENTS TO CPs FOR PENDING STATIONS

1560 NEW WA Burbank - This new facility has a CP for U8 50000/1400 CH 15000 at N 46-10-27 W119-04-00. This amendment requests U4 10000/1600 at N46-10-11 W119-01-32.

PETITIONS FOR RECONSIDERATION

610 WVBE VA Roanoke - Licensed for U4 5000/1000, WVBE applied for U4 5000/2500 along with the di-plexing of WFIR-960s tower site with theirs, which was initially dismissed by the FCC. They requested, and have been granted, reinstatement.

960 WFIR VA Roanoke - Licensed for U2 5000/5000, WFIR applied for U4 10000/4650 and a relocation of their transmitter site to that of WVBE-610, which was initially dismissed by the FCC. They requested, and have been granted, reinstatement.

APPLICATIONS FOR RENEWAL REINSTATED

1450 KVCK MT Wolf Point (was a "Red Light Dismissal")

CPs DISMISSED

1400 WTJJ NH Roxbury - New station, not yet on the air, was granted U1 630/630 back in 1989 and in 1995 applied to move the station to a new transmitter site. That amendment has been dismissed. Station still has the original CP.

RECONSIDERATION PETITIONS FOR DISMISSED APPLICATIONS

1550 NEW FL Bunnell - Application is for U2 9300/200.

LICENSE CANCELLATION AND CALL LETTERS DELETED

1470 WBIT GA Adel

APPLICATIONS DISMISSED

800 NEW NC Trent Woods - Application was for U1 250/250 CH 250. (Auction 84)

1320 NEW PA Dickson City - Application was for U4 3500/400. (Auction 84)

1410 KWYO WY Sheridan - Application was to move the tower site to that of co-owned KROE-930 and reduce nighttime power (due to the KROE tower being taller) to become U1 5000/440.

1430 KMRB CA San Gabriel - Application was to increase day and night power to become U4 50000/11000 and a reconfiguration of their towers to accommodate adding KAZN-1300 and KALI-900 at their site. KMRB remains U4 5000/5000. I imagine this also affects the applications of KAZN and KALI for their facility

moves, but the FCC hasn't acted on those. There still may be requests for reconsideration if more changes can be made to the proposal.

LICENSE RENEWALS GRANTED

540 KWMT IA Fort Dodge	1240 KICD IA Spencer	1450 WTHU MD Thurmont
550 KTRS MO St. Louis	1300 KGLO IA Mason City	1460 KXNO IA Des Moines
600 WMT IA Cedar Rapids	1310 KOKX IA Keokuk	1470 KWSL IA Sioux City
620 KMNS IA Sioux City	1320 KNIA IA Knoxville	1470 KFMZ MO Brookfield
800 KXIC IA Iowa City	1330 KWLO IA Waterloo	1490 KBUR IA Burlington
1040 WHO IA Des Moines	1360 KBKB IA Fort Madison	1490 WGEZ WI Beloit
1050 KMIS MO Portageville	1380 KCH IA Washington	1540 KXEL IA Waterloo
1130 KILJ IA Mount Pleasant	1380 WHEW TN Franklin	1540 KBOA MO Kennett
1140 KCXL MO Liberty	1400 KGMV MO Springfield	1560 KLNG IA Council Bluffs
1150 KCPS IA Burlington	1420 WOC IA Davenport	1580 KCHA IA Charles City
1220 KQMG IA Independence	1430 KASI IA Ames	1600 KITN MO Trenton
1220 KLPW MO Union		

APPLICATIONS FOR RENEWAL DISMISSED

600 KGEZ MT Kalispell - This "Red Light Dismissal" has something to do with the applicant owing the FCC a fee. It probably means they sent either no fee or underpaid the renewal application fee... or haven't paid a fine.

770 KJCB LA Lafayette - See KGEZ item above.

OTHER RENEWAL APPLICATIONS DISMISSED FOR VARIOUS REASONS

580 WBIL AL Tuskegee	1110 WBCA AL Bay Minette	1410 KLEM IA Le Mars
590 WRAG AL Carrollton	1150 WJEM GA Valdosta	1480 WLPH AL Irondale
990 WBTE NC Windsor	1220 WAYE AL Birmingham	

NORTH OF THE 49th

The CRTC has revoked the license of CFVM-1220 Amqui, Quebec, which is moving its programming to the FM station on 99.9 MHz.

CORRECTIONS

In # 16 we ran an item under "Amendments to Applications" about an 880 in Sweetwater, Texas. Right city, wrong state. It should have been Florida. The correct information was in Issue 15. Our apologies.

HEAR AND THAR

Returning to the airwaves this past week is WTRI-1520 Brunswick, Maryland with an Adult Contemporary/Big Band format and "Vegas Radio - 1520 - WTRI, Brunswick, Maryland" announcements. But, WRKN-970 Brandon, Mississippi and WLVA-590 Lynchburg, Virginia have reportedly gone silent.

The FCC has announced that as of December 31, 2004 there were 4774 AM stations licensed.

Thanks to Frank Aden, Shawn Axelrod, John Bowker, Perry Crabill, Gerry Conkling, and Wayne Heinen and Jerry Starr for stuff.

GRAVEYARD DX UPDATE

				Miles
<u>1240 kHz:</u>				
WDFL	FL	Cross City	Russ Johnson	Lexington, NC 461
<u>1340 kHz:</u>				
WYBC	CT	New Haven	Russ Johnson	Lexington, NC 567
WALH	GA	Mountain City	Russ Johnson	Lexington, NC 187
WADE	NC	Wadesboro	Russ Johnson	Lexington, NC 61
<u>1400 kHz:</u>				
WZHR	FL	Zephyrhills	Russ Johnson	Lexington, NC 534
WLSB	TN	Copperhill	Russ Johnson	Lexington, NC 237
<u>1450 kHz:</u>				
WBHF	GA	Cartersville	Russ Johnson	Lexington, NC 282
<u>1490 kHz:</u>				
WDLC	NY	Port Jervis	Russ Johnson	Lexington, NC 488

Expiring? Time to renew? Not sure when? Need to call or e-mail someone or join the listserv? Check the back page - it's all right there!

Domestic DX Digest

West: Bill Dvorak westdgs@aol.com

501 Algoma St. - Madison, WI 53704-4812

East: Ginnie Lupi DDXD-E@nycap.rr.com

PO Box 4404 - Clifton Park, New York 12065-0853

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

(Division line is
between East and
Central time zones)



DDXD-West

From the Vast Westland

- There is nothing like a DX test to lift DXers out of late-winter doldrums. On Saturday night/Sunday morning 2/20 ELT, we were treated to *four* such tests. Three of the four originated in the **Vast Westland**, and all were "vastly" received. You can find loggings in the "DX Tests" section below.
- About the tests, **Patrick Griffith** writes: "What a great night of DX. Many thanks to all involved in creating and scheduling these events. I'll be sending tape to WOKY/WISN." We all share in those thoughts, I am sure, and here is hoping that all CEs involved get lots of reports.
- The only down side is that test scheduling came too late for pre-test publication in *DX News*. The good news is, there is a way to be informed of tests without the need to have internet access—**Les Rayburn's** Flash Alert Postcard system. You can learn about this in issue 72-19, bottom of page 23. I urge you to take advantage of this service.
- The WISN test came during "Coast to Coast." So far there have been no reports of panic among Art Bell listeners who might have mistaken the Morse Code IDs for an alien invasion.
- Reminder: the next three issues of DXN are bi-weekly. DDXD-W deadlines for these three issues will be as follows (all Thursdays): #72-23 3/10, #72-24 3/24, #72-25 4/7.
- CUN14! 73 Bill

Reporters

- BK-CA** Bob Karchevski, Sunnyvale. R8A, MFJ-1026mw, two long wires.
BL-CA Brian Leyton, Valley Village. DX-398 / RS Loop / 18" Box Loop.
JJR-WI John J. Rieger, South Milwaukee. Icom IC-R75, Kiwa loop, MFJ-959B tuner-preamp.
JV-KY John F. Vervoort, Madisonville. Grundig Yacht Boy 400PE, Sony ICF-SW7600GR.
JW-CO John Wilkins, Wheat Ridge. Drake R-8, 4-foot box loop.
MD-KS Mike De Roo, Roeland Park. Sony ICF-2010 au naturel.
PG-CO Patrick Griffith, Westminster. Drake R-8 and Kiwa loop.
RT-MN Rick Turner, Bemidji. Radio Shack TRF 12-655, Select-A-Tenna 541.
SA-MB Shawn Axelrod, Winnipeg. Icom ICR-70, Drake R8, 4 foot unamplified box loop, Quantum loop, 155 foot outdoor wire, 100 foot indoor wire, MFJ 1026 phasing unit.
WH-CO Wayne Heinen, Aurora amradiologbook@aol.com. Drake R8B N/S flag and a E/W flag (Between the Honey Locust & Aspen trees) SuperPhaser II, a few random wires & QuickRecorder on the PC.
Ed.-WI Your editor, Madison. Drake R8B, Quantum QX Pro loop; Yamaha T85 tuner, RCA SA-155 amplifier, Radio Shack loop.

DX Tests

- 920 **WOKY+ WI Milwaukee. 2/20 0123.** Got some code on tape at 0123 under dominant KVEL. Nothing else heard from WOKY during DX test. (PG-CO)
 920 **WOKY+ WI Milwaukee. 2/20 0115.** Three Morse code ID's rose up out of the mess, fair copy. Repeated at 0125. New one for me in Colorado. (WH-CO)
 920 **WOKY+ WI Milwaukee. 2/20 0100-0200.** Fair to good first half hour (omni-directional), poor to fair second half hour (5 kw day pattern). QRM from WBAA and others. Code IDs and regular nostalgia programming. Despite its proximity (65 miles), station is poor here at night, if heard at all. (Ed.-WI)
 920 **WOKY- WI Milwaukee. 2/20 0100.** Test NOT heard; too much CFBY. (SA-MB)
 1130 **WISN+ WI Milwaukee. 2/20 0101.** Easily heard and dominant with local news and mention of WISN-TV 12 story about Vioux. Sports at :03 sponsored by 4 Seasons in New Berlin. Into Art Bell with code for DX test over intro music. (PG-CO)
 1130 **WISN+ WI Milwaukee. 2/20 0100.** Test heard with Coast to Coast and Morse code ID's at

- 0106 and 0131. (SA-MB)
 1130 **WISN+ WI Milwaukee. 2/20 0100-0200.** Good to fair, with gradually building QRM from KFAN. Code IDs, "Coast to Coast" with Art Bell, and local newscasts on the hour. (Ed.-WI)
 1130 **WISN- WI Milwaukee. 2/20 0057-0202.** No sirens, Morse code, nothing. However, did hear lots of talk, but mostly religious (KRDU-CA?) and news/sports (CKWX-BC?). Also heard SS music (KSDO-CA?). (BK-CA)
 1240 **KEVA+ WY Evanston. 2/20 0210.** Morse code punched through the graveyard mess very nicely. Heard throughout the 50 minute test period, though it took my untrained ear a bit before I realized that I was hearing it. New! (BL-CA)
 1240 **KEVA+ WY Evanston. 2/20 0205.** Code for DX test easily heard through the jumble. No other programming audible. Not needed here but fun to hear. (PG-CO)
 1240 **KEVA+ WY Evanston. 2/20 0205.** Test heard with Morse Code ID at 0205 and 0208. (SA-MB)
 1240 **KEVA- WY Evanston. 2/20 0205-0255.** Listened for, did not hear; could not completely null WHFA, which is only 18 miles from my location. (Ed.-WI)
 1490 **WTTB- FL Vero Beach. 2/20 0001.** Tried for DX test but not heard. No surprise there. Large jumble of UNID on the frequency. (PG-CO)
 1490 **WTTB- FL Vero Beach 2/20 0000.** Test NOT heard (SA-MB)
 1490 **WTTB- FL Vero Beach. 2/20 0000-0200.** Listened for, did not hear in the graveyard jumble. No single station dominated the frequency. (Ed.-WI)

Presumed, Tentative, UnID

- 1010 **UNID 2/18 0153.** Long 5 second tone, followed by "CBS Radio Network's Channel 46" repeated over and over. (RT-MN)
 1260 **UNID 2/6 2116.** BBC news feed. Perhaps this is an NPR affiliate? Fair, but steady signal. I also picked up a BBC news feed on 1260 while DXing in New York City, however I was never able to identify it, and it still remains a mystery. (JV-KY) (WWVT Christiansburg VA is listed in the *NRC Log* as NPR with BBC programming, but it is a daytimer. Any ideas on this one? Ed.-WI)

Regular DX Loggings (times in ELT)

- 580 **KRFE TX Lubbock. 2/19 0812.** Local spots, program notes, call ID, then back to nostalgia music, with a Sinatra tune. Fair at best— never does well here, for some reason. (JV-CO)
 600 **WMT IA Cedar Rapids. 2/5 2133.** "It's 46 degrees at your official weather station Newsradio 600 WMT." (JV-KY)
 660 **KTNN AZ Window Rock. 2/18 0749.** Fair, all alone on frequency. National Guard ad, PSA on adoption presented by Arizona Family Services, legal ID "KTNN AM 660 Window Rock-Flagstaff", into country music. (Ed.-WI)
 690 **WOKV FL Jacksonville. 2/10 1802.** "WOKV newstime is 6:02, traffic and weather is next with (?)...." Fair to good signal over an unID. (JV-KY)
 760 **KTKR TX San Antonio. 2/19 0604.** Fair in WJR null. Local ads, phone numbers, non-IDs as "Ticket 760" with Fox sports. Never in this well! (JJR-WI)
 920 **WMOK IL Metropolis. 2/10 1810.** "Your dependable Accu-weather forecast is coming up on WMOK....WMOK newstime is 5:12, and now your business news...." then at 1814 "Real Country 9-20 WMOK." Good to fair signal. NEW. (JV-KY)
 920 **KVEL UT Vernal. 2/20 0105.** Several clear call-ID's, "Eight days a Week" by the Beatles, ABC News at TOH. New! (BL-CA) (This was while looking for the WOKY test. Congratulations, Brian! Ed.-WI)
 920 **KVEL UT Vernal. 2/20 0130.** Very dominant on the frequency with Good Time Oldies, frequent IDs, request line at chuck@theoldies.net. (PG-CO) (During the WOKY test. Ed.-WI)
 920 **KSVA NM Albuquerque. 2/20 0900.** End of a religious program, ID "Twenty four hours seven days a week KSVA 920 AM", beginning of some more religious programs and clobbered by KPOF-910's IBOC at 0902. Last logged as KQEO in 1981. (WH-CO)
 930 **KOGA NE Ogallala. 2/22 0845.** Big Angus sale in Wheatland, Wyoming; other regional cattle and prices; ad from Beef Council. Generally fair, mixing with others. (JV-CO)
 940 **KNNZ UT Cedar City. 2/22 0634.** Heard call ID on overnight recording. Fair to poor, into

			Glenn Beck program. New! (BL-CA)
960	WERC	AL	Birmingham. 2/6 2133. "Keeping a commitment to you— in-depth team coverage only on Newsradio 9-60 WERC-AM." Fair to good signal and dominating the frequency. (JV-KY)
960	KMA	IA	Shenandoah. 2/23 2020. Basketball game, Sidney vs Malvern; call letter ID and ads during timeouts. Fair. (JW-CO)
960.05	KNDN	NM	Farmington. 2/22 0852. Still slightly off-frequency as they were last year; C&W music, male announcer in Navajo; heard later (0904) with area announcements in Navajo except for some phrases in EE which apparently have no Navajo counterpart, e.g. "low income families," "Bureau of Indian Affairs," "San Juan Chapter," etc. Good signal today, better than usual. (JW-CO)
1000	WMVP	IL	Chicago. 2/17 0107. "You're listening to The Jim Rome Show, taped earlier today on ESPN, here on AM 1000 Chicago's All Sport Station." (RT-MN)
1000	KTOK	OK	Oklahoma City. 2/17 0200. Coast-To-Coast with George Noory, promo for a gardening show on Saturday mornings, "News Radio 1000 KTOK and Information Radio 1340 KEBC Oklahoma City." Unknown if they are //, as there is no mention of this in the NRC Log. Can I count this as two stations heard? Huh? Huh? Can I? Huh? Pretty please...? (RT-MN) (Hey, Rick, did you ever see the David Spade ad for the credit card company? Ed.-WI) (E-mail me in private to find out I got said company to stop sending me junk mail -pls.)
1000	KXRB	SD	Sioux Falls. 2/17 1653. Series of commercials for local businesses. "A radio station the whole family can listen to, KXRB." (RT-MN)
1010	CBR	AB	Calgary. 2/18 0100. CBC Radio 1 news, weather for southern Alberta. (RT-MN)
1010	CFRB	ON	Toronto. 2/18 0104. "From the CFRB business desk." This came out of nowhere and completely dominated CBR. Signal weakened, but was still audible underneath with news and weather. ID'd as "News Talk 1010 CFRB" at 0155. (RT-MN)
1010	KXEN	MO	Festus-Saint Louis. 2/18 0200. "Spirit of Victory Broadcast" followed by "KXEN Festus-Saint Louis" ID at TOH with CFRB nulled. Had a good signal considering they run only 500 watts at night per NRC Log. (RT-MN)
1010	KSIR	CO	Brush. 2/18 0905. —In briefly with CBS and "KSIR Local News" with a time check of 7:05. NRC Log states they are ABC. (RT-MN)
1020	KDKA	PA	Pittsburgh. 2/19 0106. CNN news, "the KDKA news time is 1:06", local weather, ID'd as "News Talk 1020 KDKA." (RT-MN)
1020	KJJK	MN	Fergus Falls. 2/19 0905. Help Wanted ads, "The greatest hits of all time, Groovy 1020" into oldies. (RT-MN)
1030	WCTS	MN	Maplewood. 2/20 1100. "WCTS Maplewood-Minneapolis-St. Paul" at TOH, followed by broadcast schedule for the First Baptist Church in Plymouth MN. (RT-MN)
1030	KTWO	WY	Casper. 2/20 1910. ABC news, C&W music, promo for Coast-to-Coast "on AM 1030 K-2 Radio, Wyoming's place to talk." No callsign ID heard at TOH. (RT-MN)
1030	WBZ	MA	Boston. 2/20 2000. "While driving your car, we're driving 50,000 watts of power, News Radio 1030 WBZ Boston" into local news. It was good to hear an old familiar voice from my home state. (RT-MN)
1040	WHO	IA	Des Moines. 2/21 0100. "When you want to get and stay in the loop, News Radio 1040 WHO Des Moines" into ABC news. (RT-MN)
1050	CHUM	ON	Toronto. 2/22 0106. Oldies format, "This is 'Chum', one-oh-five-oh." (RT-MN)
1050	CKSB	MB	Winnipeg. 2/22 1200. "Ici Radio Canada", into presumably news in FF. (RT-MN)
1050	KLOH	MN	Pipestone. 2/22 1800. "KLOH Pipestone, 1050 on your radio dial" into news. (RT-MN)
1060	KYW	PA	Philadelphia. 2/23 0100. "This is News Radio 1060 KYW Philadelphia, serving Pennsylvania, New Jersey and Delaware" into news. Some co-channel splatter. (RT-MN)
1060	CKMX	AB	Calgary. 2/23 1857. James Taylor's "Sweet Baby Jane", "Hitting the airwaves as the Voice of the Prairie, going back to 1922, AM 1060, CKMX." (RT-MN)
1060	KGFX	SD	Pierre. 2/23 1900. "KGFX 1060, a member of the Dakota Radio Group" into news. (RT-MN)
1230	KLAV	NV	Las Vegas. 2/22 1013. "Save the Met" ad; program notes, call letter ID's; then

1260	KSUR	CA	at 1016 "NewsTalk 1230 KLAV traffic" with gal. Fair for a while. (JW-CO) Beverly Hills. 2/22 0959. Little Richard song; legal ID at 10:01:40 "KSUR Beverly Hills-Los Angeles," followed by a different voice saying "This is Oldies 1260 and 540, now playing the largest selection of Oldies in Southern California," and proceeded to do so. Fair at best; nice to get a rare call letter ID, which occurs only at TOH, as far as I know. (JW-CO)
1300	KAKC	OK	Tulsa. 2/22 0921. Traffic; then "Welcome to Tulsa's Business Station - welcome to Business Talk 1300 KAKC"; local ads, program notes and station promos followed. Good signal one hour past Tulsa sunrise, with no sign of KKML. (JW-CO)
1310	KEIN	MT	Great Falls. 2/22 0812. News from Northern News Network; nostalgia song at 0814, then John Denver's "Calypso"; news from Northern Ag Network followed at 0820. Generally fair in KFKA null. (JW-CO)
1490	KCUZ	AZ	Clifton. 2/2 0103. Popped up with call ID out of net news, last heard years ago when they used to have a Frequency Check! (WH-CO)
1490	KFFN	AZ	Tucson. 2/2 0500. "The Arizona Diamondbacks, the NFL, the NBA on the only all sports station ESPN radio 1490 The Fan KFFN Tucson" and more ESPN net sports. New Graveyard for me! (WH-CO)
1500	KDFN	MO	Doniphan. 2/22 2056. Play-by-play of Doniphan Dons basketball game; AM call ID's, as well as "97.5 The Score"; many local spots during timeouts; got enough for a good report. Generally fair with KSTP partially nulled; guess the game was important enough for them to digress from their D5 pattern. A new one here, MO #52. (JW-CO)
1510	KIFG	IA	Iowa Falls. 2/21 2330. Fair signal with AC music and what seemed to be a LIVE local DJ! "Iowa River Radio". Didn't hear sign-off but it was gone at about 2400 as the NRC Log indicated it should be. New. (MD-KS)
1530	WCKY	OH	Cincinnati. 2/22 2030. As reported by others, the hallowed WCKY calls were returned to 1530. Heard here in Colorado with fair/good signals, mixing with KFBK. Area news headlines at 2030; ID as "WCKY, the Revolution in Talk Radio," couple of ads, then back to talk show. I first verified this in April 1962 from Iowa, and is one of my very first radio QSL's. (JW-CO)
1660	KRZI	TX	Waco. 2/16 0425. Poor signals under WQSN and KXOL with ESPN programming. NEW (SA-MB)

DDXD-East

REPORTERS

MKB-ON	Mike Brooker, Toronto – Grundig YB-400PE; Panasonic RF-2200.
WCC-NC	Bill Cooper, Leland – Homebrew two-circuit crystal set, 170' random antenna, Brandes and Stromberg-Carlson phones.
MD-MA	Marc DeLorenzo, South Dennis – JRC NRD-525, noise-reduced 140' Broadband Loop.
HJH-PA	Harry Hayes, Wilkes-Barre – Zenith Trans Oceanic, Kiwa Pocket Loop.
CK-OH	Chuck Kaufman, Lebanon – Unknown equipment.
BT-IN	Blaine Thompson, Fort Wayne – RCA Model RP3721B Clock Radio (Barefoot).
BY-MA	Bob Young, Millbury – Hammerlund HQ-180 and NRC 4' loop.

DX TESTS

920	WOKY	WI	Milwaukee – 2/20 0100 – Not heard. CKNX groundwave blasting in at virtually local strength. (MKB-ON) + 2/20 0115-0122 – Fair with Morse Code IDs easily penetrating WHJJ and CKNX. (MD-MA)
1130	WISN	WI	Milwaukee – 2/20 0107 – Fair with Coast-To-Coast AM way under very loud WBBR. Confirmed via other DXers in #mwdx chat room. (MD-MA) + 2/20 0131 – WISN (— -) Code ID penetrating usual WDFN/WBBR mix. (MKB-ON)
1240	KEVA	WY	Evanston – 2/20 - Not tried for because of local on 1240. (MD-MA)
1490	WTTB	FL	Vero Beach – 2/20 0000-0020 – Tried for, not heard, but previously heard in 1969. (MD-MA)

PRESUMED AND UNID

830	WTRUp	NC	Kernersville – 2/22 2130 – "The Truth" slogan, Living on the Edge Show
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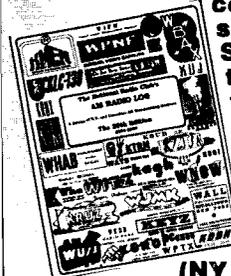
with Chip Ingram, spots for "Triad World" and "Christian Action League". (WCC-NC)

STATION LOGGINGS

- 540 WFLF FL Pine Hills - 2/20 2115 - Bell South ad, "Orlando WFLA 540" ID, tax/money laundering discussion, Florida Roundtable show with IRS Agent from Ft. Lauderdale, "No Problem People" (insurance) and Carnation Instant Breakfast ads. (WCC-NC)
- 560 WVOC SC Columbia - 2/18 2207 - "News Radio 560, WVOC" ID and Michael Savage show. (WCC-NC)
- 570 WSYR NY Syracuse - 1/30 2345 - "WSYR" 2347: Radio 570 WSYR "We have the news when you need it." Fairly clear, some fading. (BY-MA)
- WWNC NC Asheville - 2/8 2000 - Michael Savage, news and ID. (WCC-NC)
- 600 WSJS NC Winston-Salem - 2/8 2248 - Bill O'Reilly Show and ID. (WCC-NC)
- 620 WVMT VT Burlington - 2/9 1834 - "Accuweather"; "620 WVMT." Talk show "Savage Nation." Deep fading, interference, but usually clear. (BY-MA)
- 640 WWLS OK Moore - 2/16 0715 - Sports talk show about NFL considering a franchise "here in Oklahoma City," other OK references. (CK-OH)
- 650 WSM TN Nashville - 2/8 2010 - Buck Owens, C & W music and ID. (WCC-NC)
- 660 WFAN NY New York - 2/18 2310 - "Sports Radio Sixty-Six", Marc Malusis - host for NHL discussion/talk, Jeep ad. (WCC-NC)
- 680 WPTF NC Raleigh - 2/20 2050 - Beatles "Something", unknown vocal "They Will Understand" (?), Bobby Goldsboro (?) vocal, Ray Charles "What'd I Say", Original Sunday Night Hall of Fame show, 9:00 Chad Austin News "680 WPTF". Reception plagued by deep fading. (WCC-NC)
- 690 KGGF KS Coffeyville - 2/16 0700 - Alone with ID, ABC news, then weather forecast for SE Kansas and NE Oklahoma, ad for Coffeyville shoes. (CK-OH)
- 700 WLW OH Cincinnati - 2/8 2015 - Sports show with Marty Brennaman (?), Cracker Barrel and Cincinnati Reds ads, and ID. (WCC-NC)
- 720 CHTN PEI Charlottetown - 2/9 1840 - "CHTN Rockin' Radio." 1841: "Good time oldies CHTN." 1850: "All the hits, all your favorites, good time oldies, 720 CHTN." Deep fades, noisy, interference. (BY-MA)
- WGN IL Chicago - 2/22 2045 - Sports show concentrating on Cubs baseball, "WGN Weather Forecast", news, and sports show with Wayne Coffey (?) reminiscing about the 1980 USA-USSR hockey game and excerpts from the Al Michaels sportscast. Deep fading. (WCC-NC)
- 750 WSB GA Atlanta - 2/20 2001 - News, "WSB 750 Depend On It" IDs, Bulldog Hotline promo and Zantac 150 ad, John Howard with UGA Bulldog Hotline basketball show. (WCC-NC)
- 760 WJRM MI Detroit - 2/8 2030 - Michigan Sports Network with Michigan-Illinois basketball game, several ads and ID. (WCC-NC)
- KTKR TX San Antonio - 2/16 0727 - Calls itself "760 The Ticket," weather forecast from WOAI-TV meteorologist, promo for WOAI, then back to Fox Sports. (CK-OH)
- WCPS NC Tarboro - 2/20 1726 - ID as "Tarboro, Rocky Mount." Received at fair level with ad for Black History Month on HBO. (HJH-PA)
- 780 WBBM IL Chicago - 2/8 2108 - News and ID. (WCC-NC)
- 820 WNYC NY New York - 2/1 2300 - "WNYC" ID, BBC news. 2302: Jim Lehrer News Hour. Fairly clear, some fading. (BY-MA)
- 840 WHAS KY Louisville - 2/21 2137 - "84 WHAS" ID, Joe Elliot Show with Susan Sweeney (?) Crumb (?), with several ads for Direct TV, Kleinman Living Shoes, ReMax Realty, audio books (?) and Paradise Divers. (WCC-NC)
- 870 WWL LA New Orleans - 2/21 2201 - News, Sports and Weather, IDs, ads for Matthew Persons-CPA and Paw Paw's Campers, service message from Cynthia Bridges of IRS, and Sports Talk Show. Fading and interference from local station WAAV @ 980KHz. (WCC-NC)
- 930 WRVC WV Huntington - 2/18 0058 - ESPN Radio into legal ID which mentioned that it's locally owned, then into CNN News. New frequency and new station! Was strong enough to trip the radio "SEEK" function. (BT-IN)
- 950 CKNB NB Campbellton - 2/16 1818 - steamrolling over WWJ et al with slogan "your community station...a better variety, 95 CKNB" into *Anticipation* by Carly

- Simon, "95 CKNB satellite weather" jingle, local weather for Campbellton-Dalhousie. (MKB-ON)
- 1110 WGNZ OH Fairborn - 2/19 0805 - over WBT/WJML mix with SRN news, slogan "stay with a friend this President's Day holiday...WGNZ" into country gospel song. (MKB-ON)
- 1160 WVNJ NJ Oakland - 2/9 2316 - "WVNJ the station of the stars." 2321: "There's always a good song on your radio when you're listening to WVNJ." 2330: weather on "1160 WVNJ." (BY-MA)
- 1390 WLAN PA Lancaster - 2/19 0742 - over usual pest WNIO with "sports radio 1390 WLAN" slogan, into Fox sports news update on a possible resurrection of the NHL season. (MKB-ON)
- 1580 WVOK AL Oxford - 2/20 1825 - Faded up to a fair level with ID embedded in satellite feed of oldies. Ad for "The incredible, edible egg" and then a diet ad. New. (HJH-PA)
- 1590 WHLX MI Marine City - 2/21 0707 - fighting off WAKR with local news, slogan "the radio station you turn to first for news, sports and weather, AM 1450 and 1590 WHLS" (they're //WHLS-1450 Port Huron). (MKB-ON)
- 1620 WHLY IN South Bend - 2/7 2206: "Music that anyone can sing along with, AM 1620." 2209: "WHLY." 2220: "You're listening to the home of America's best music." Fading, interference, noisy. (BY-MA)
- 1630 WRDW GA Augusta - 1/27 0300 - "WRDW" ABC news, United Way, ad for Express Italia, 0329: "News Sports 1530 WRDW" deep fading, under noise level much of time. (BY-MA)
- KCJJ IA Iowa City - 2/7 2231 - "1630 KCJJ" ID. (BY-MA)
- 1640 WKSH WI Sussex - 2/3 1657 - Radio Disney. "On 1540 WKSH". 1705: "AM 1640 Radio Disney." 1720: call in show /hip hop music, very weak, fading. (BY-MA)
- 1650 KDNZ IA Cedar Falls - 1/25 0005 - ad for "Home Improvement minute on 1650 KDNZ" 7:20 and 8:00 AM. Deep fades, heavy interference. (BY-MA)
- WHKT VA Portsmouth - 2/3 1754 - "Radio Disney Portsmouth." 1757: "Radio Disney WHKT." Fading, noisy. (BY-MA)
- 1670 WMWR GA Dry Branch - 2/6 0303 - "Talk Radio 1670 WMWR." Weak, faded out quickly. (BY-MA)
- WTDY WI Madison - 2/6 2332 - "Talk Radio WTDY now locally owned." 2336: "Talk Radio 1670 Madison." Deep fading, very weak. (BY-MA)
- 1680 WTTM NJ Princeton - 2/4 1654 - "EBC Radio 1680 AM." Call in show, Indian with some English, some music. "Moviecity 5, check out Black." 1700: "WTTM Princeton NJ" recorded, American accent. Good signal. (BY-MA)
- 1690 WPTX MD Lexington Park - 2/4 1728 - "Maryland's News talk 1690 WPTX." Clear strong signal. (BY-MA)
- WRLI IL Chicago - 2/5 1802 - "Real oldies 1690 WRLI." 1815: jingle "Real oldies 1690." Noisy, dominant on top of others. (BY-MA)
- 1700 WEUV AL Huntsville - 2/4 1825 - "WEUV" call in show. Weak, noisy with several other stations in the mix. (BY-MA)

The NRC AM Radio Log, 25th Edition,
Including cross-referenced listings from 530-1700 khz., is compiled from both listeners' reports and official sources, making it the most accurate listing of U. S. and Canadian AM stations available. Unbound, three-hole punched for standard binders. \$19.95 to U. S. members; \$25.95 to U. S. non-NRC members; to Canadian members, \$23.00 (\$29.00 to non-NRC members). Airmail to members in western Europe (except Italy) and Australia, New Zealand, and Japan: \$29.00. All others contact us for exact prices. Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax).



International DX Digest

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

New history material at www.ontheshortwaves.com: Under CPRV, go to "QSL Gallery," some foreign medium wave QSLs: From the Pacific, ABC Adelaide, Australia; and ZJV Fiji (1953). From Japan, JOBK Osaka (1935). From South America, R.El Mercurio, Chile; R.Victoria, Peru; and R.Imparcial, Uruguay (1960). And from Mexico and the Caribbean, XEBC La Voz de México (1939), and XEU Eco de Sotavento, Veracruz (1935); CMBZ R.Salas, Havana (1941); and La Voz del Yuna (later La Voz Dominicana), Dominican Republic (1947). These are from the collections of Norm Maguire, Roy Millar, William Prater, Warren Routzahn, John Tweedie and Carroll Weyrich. [Jerry Berg, BADX]

Transatlantic DX

- 153 **GERMANY** *DeutschlandRadio*, Donebach FEB 22 0112 - Parallel 756 with classical music; poor. [Connelly-MA]
- 171 **MOROCCO** *R.Mediterranee Internationale*, Nador FEB 22 0111 - Pop-style female Arabic vocal; fair. [Connelly-MA]
- 198 **UNITED KINGDOM** *BBC R.4*, Droitwich et al. FEB 22 0006 - BBC news; fair. [Connelly-MA]
- 234 **LUXEMBOURG** *R.Luxembourg*, Junglinster FEB 22 0008 - French vocal; good. [Connelly-MA]
- 252 **IRELAND** *RTÉ R.1*, Clarkestown FEB 22 0010 - "Mess Around" by Ray Charles, then woman in English; good. [Connelly-MA]
- 549 **ALGERIA** *Chaîne 1*, Les Trembles FEB 22 0004 - Woman in Arabic with news; good. [Connelly-MA]
- 558 **SPAIN** *RNE5* sychros FEB 22 0114 - Man and woman in Spanish; poor, some WGAN slop. [Connelly-MA]
- 567 **IRELAND** *RTÉ R.1*, Tullamore FEB 13 0515 - Fair; Irish instrumental music with a large symphonic orchestra providing accompaniment. + FEB 18 0436 - Fair with "I Walk the Line" by Johnny Cash. + FEB 22 0117 - Parallel 252 with Roberta Flack "The First Time Ever I Saw Your Face"; fair to good. [Connelly-MA]
- 576 **GERMANY** *SWR Cont. R.* / *MDR Info*, Muhlacker FEB 22 0356 - Man and woman in German; dominant. [Connelly-MA]
- 621 **CANARY ISLANDS // SPAIN** *RNE1* sychros, Santa Cruz de Tenerife et al. FEB 22 0003 - Parallel 639 with news by man and woman; through WZON/WVMT slop. [Connelly-MA]
- 630 unID (TUNISIA?) FEB 23 2352 - Apparent Koranic chanting behind WPRO's talk during audio pauses on dominant CFCY. A fourth station was noted at times as well (probably CFCO). Tunisia used to be easy when it was on 629 (pre-1978) and it has been heard from Newfie on 630. [Connelly-MA]
- 639 **SPAIN** *RNE1* La Coruña FEB 18 0200 - A few interval music notes, then ID "Radio Nacional de España," followed by man and woman with news; fair. + FEB 22 0003 - Spanish news by woman; fair. [Connelly-MA]
- 648 unID FEB 22 0353 - Huge blank carrier of unknown origin. [Connelly-MA]
- 693 **UNITED KINGDOM** *BBC Radio 5* sychros FEB 24 0341 - Good signal; man interviewing woman. [Dangerfield-PA]
- 711 **WESTERN SAHARA** *RTM Laayoune* FEB 21 0040 - Presumed; huge signal but no audio like an open carrier, loud het against 710 WOR and *R.Rebelde* Cuba; could hear what might have been *COPE* Spain underneath. [Conti-NH] FEB 22 0002 - Arabic a cappella vocal; good, over growl from presumed 711 France. [Connelly-MA]
- 747 **NETHERLANDS** *Flevoland* FEB 23 0307 - Electronic techno-dance music; good, over others. [Connelly-MA]
- 756 **GERMANY** *DeutschlandRadio*, Braunschweig & Ravensburg FEB 5 2223-2237 - Fair in peaks; alternating man and woman in German with brief piano music bridges between items, parallel to 6190 kHz. [DeLorenzo-MA] FEB 18 0438 - Woman in German; poor to fair over Spain. + FEB 22 0100 - Rock guitar instrumental, time pips, then news in German; good. [Connelly-MA]
- 765 **SWITZERLAND** *RSR Sottens* FEB 22 0121 - French male folk vocal; fair. [Connelly-MA]

- 774 **SPAIN** *RNE1* sychros FEB 18 0007 - News by man and woman in Spanish; over Arabic talker. + FEB 22 0105 - News by man in Spanish; slight echo on audio. [Connelly-MA]
- 783 **MAURITANIA** *R.Mauritanie*, Nouakchott FEB 23 2351 - Parallel 4845 with man in Arabic; fair over rumble of others. [Connelly-MA]
- 783 **SPAIN** *R.Miramar*, Barcelona FEB 22 0311 - Fair signal with man in Spanish. I had noticed a second station behind Mauritania earlier and when that station signed off at 0100 Barcelona appeared. The next night there was also a station here after Mauritania's sign-off but music sounded Mid East. Syria? [Dangerfield-PA]
- 783 unID (SYRIA ?) FEB 22 0330 - Female Arabic vocal; well over big jumble that likely contained Spain, Portugal and Germany. Mauritania not scheduled on at this time and nothing noted on 4845. + FEB 23 0302 - Koranic vocal. [Connelly-MA] Feedback from Mauno Ritola: "Syria has been constantly on lower 782.97 kHz."
- 792 **FRANCE** *France Info*, Limoges FEB 21 0015 - Fair over/under Spain; nostalgic vocal parallel 945 kHz. [Conti-NH]
- 837 **CANARY ISLANDS // SPAIN** *COPE* sychros FEB 20 0057 - Excellent, direct off the east antenna without phasing; teletalk in Spanish, news at the top of the hour, returning to talk at 0105 with "en la Cope" network ID. [Conti-NH]
- 837 **FRANCE** *Nancy* FEB 22 0332 - Music segment, then woman in French; good. + FEB 23 0306 - French talk, uptempo music; stronger than the Cuba/Haiti/WHAS cluster on 840. [Connelly-MA]
- 855 **SPAIN** *RNE1* sychros FEB 13 0511 - Fast Spanish talk by man; in 850 WEEI slop. + FEB 18 0155 - Spanish teletalk, slight echo; easily getting by local WEEI (only about 2 S-units weaker than it!). [Connelly-MA] FEB 20 0055 - Good; man and woman in Spanish, over an unID music station (Romania?). [Conti-NH] FEB 23 0305 - News in Spanish by man and woman; through WEEI slop. [Connelly-MA]
- 864 **EGYPT** *ERTU Santah* FEB 20 0020 - Presumed; Koranic vocal, over/under France. [Conti-NH]
- 864 **FRANCE** *France Bleu*, Paris FEB 20 2300 - Good; English pop vocal, *France Bleu* jingle into French pop vocal. [Conti-NH] FEB 22 0333 - French disco vocal; to fair peaks. + FEB 23 0313 - French talk, then "Nothing Compares 2 U" by Sinéad O'Connor; loud. [Connelly-MA]
- 882 **UNITED KINGDOM** *BBC R.Wales*, Washford FEB 17 2215 - End of disco song, then English talk; fair. [Connelly-MA] FEB 20 0030 - Good; instrumental music, man in English, then female folk vocals, not parallel *BBC World Service* at this time. [Conti-NH]
- 890.98 **ALGERIA** *Chaîne 1*, Algiers FEB 18 0154 - Arabic talk by woman; slightly mushy and distorted. [Connelly-MA]
- 909 **UNITED KINGDOM** *BBC R.5* sychros FEB 17 2223 - Sports-related talk and interview; strong at times. + FEB 21 2355 - Man and woman talking about someone from Bournemouth; to good peak. [Connelly-MA]
- 945 **FRANCE** *France Info*, Toulouse FEB 13 0510 - Teletalk; to fair peak. [Connelly-MA] FEB 20 2350 - Good; news / talk in French, top of the hour time check with *France Info* network ID into news, parallel 1206 kHz. [Conti-NH]
- 999 **SPAIN** *COPE* Madrid FEB 18 0002 - Excited Spanish newstalk; good. [Connelly-MA] FEB 22 0025 - Very good with man doing some sort of sports description followed by a musical interlude and then a woman announcer. Best I've heard this station and in the clear. [Dangerfield-PA]
- 1008 **NETHERLANDS** *R.10 Gold*, Flevoland FEB 24 0318 - "Spanish Stroll" by Mink DeVille from 1977, other oldies; over Spain. This was later noted "parallel" between my receiver and a northern European DXtuners site. [Connelly-MA]
- 1017 **SPAIN** *RNE5* sychros FEB 17 0441 - Fast Spanish talk; fair. [Connelly-MA]
- 1044 **SPAIN** *SER* sychros FEB 17 0443 - Spanish talk by woman, slight echo; fair. + FEB 18 0001 - Spanish news; fair to good. [Connelly-MA]
- 1062 **DENMARK** *Danmarks R.*, Kalundborg FEB 22 0348 - "I Can See Clearly Now" by Johnny Nash, then Danish talk by man; to good peak. [Connelly-MA]
- 1071 **SPAIN** *Euskadi Irratia*, Bilbao FEB 17 2359 - Through CBA slop with music, then Spanish talk. [Connelly-MA]
- 1089 **UNITED KINGDOM** *TalkSport* sychros FEB 14 0002-0024 - Loud and clear in 1090 WBAL phase-null with male host taking phone calls. Station promo at 0016 "...number one local radio station on 1089 and 1053 AM - lock that in your radio," followed by live "Yeah, 870-4-20-20-20 is our number, this is TalkSport." [DeLorenzo-MA] FEB 17 0519 - Discussion mentioned travel, then ID "TalkSport radio"; good. [Connelly-MA]
- 1116 **SPAIN** *SER* sychros FEB 18 0004 - Parallel 1044 with news in Spanish; fair. [Connelly-MA]

- 1134 **CROATIA** *Hrvatski R.*, Zadar FEB 24 0208 - Slavic talk: woman in telephone interview; fair to good with WBBR phased. [Connelly-MA]
- 1134 **SPAIN** *COPE* synchros FEB 13 0522 - Spanish talk; to fair peak over other. 1130 WBBR seemed off at the time, leaving a Latin American jumble and low-pitched growl on that channel. [Connelly-MA]
- 1143 **SPAIN** *COPE* synchros FEB 17 0448 - Spanish talk by man and woman; over low-pitched growl. [Connelly-MA]
- 1169 **IRAN** FEB 21 2305 - Sad-sounding Middle Eastern vocal music at light audio level on strong carrier; hetted by 1170 *R.Farda*. [Connelly-MA] FEB 24 0127 - Strong het against 1170 and at the same time 1503 was coming in quite well so as in prior reports I am assuming Iran jamming *R.Farda*. [Dangerfield-PA]
- 1170 **UNITED ARAB EMIRATES** *R.Farda*, Dabiya FEB 21 2308 - Boy-band "kid hit" from late '90s or early '00s, then Middle East dance music; dominating channel (about S-6 on meter) in the hour between WFPB sign-off and WWVA fade-up. Only interference was 1169 Iran. + FEB 24 0105 - Parallel 1575 with thumping disco music; to fair peak over 1169 het with WWVA phased. [Connelly-MA] FEB 24 0138 - Man and woman in what is most likely Farsi and parallel to 1575 and 9585 kHz. I had to phase WWVA as much as possible so this signal appeared to be coming in about 1170.7 kHz. Don't know whether my phasing skewed the signal or whether *R.Farda* was trying to avoid the Iran jammer on 1169 kHz. [Dangerfield-PA]
- 1179 **CANARY ISLANDS // SPAIN** *SER* synchros FEB 21 2305 - *SER* net news; poor to fair. [Connelly-MA]
- 1188 **BELGIUM** *VRT Radio 2*, Kuurne FEB 17 0517 - Dutch-sounding talk, then "Bette Davis Eyes" by Kim Carnes; fair. [Connelly-MA]
- 1197 **UNITED KINGDOM** *Virgin R.* synchros FEB 17 0514 - Parallel 1215 with "Tumbling Dice" by the Rolling Stones; barely atop a big jumble. [Connelly-MA]
- 1206 **FRANCE** *France Info*, Bordeaux FEB 13 0506 - French discussion; to good peak. + FEB 17 0450 - Man and woman in French, musical interlude; very good. + FEB 18 0013 - French showtune vocal; excellent. + FEB 21 2303 - French news interview; fair to good. + FEB 22 0336 - '40s type female vocal with Cuban jazz influences; loud. [Connelly-MA]
- 1214.95 **ALBANIA** *Fillake* FEB 21 2245 - Bits of unID language talk; strong low het against 1215 UK/Spain. [Connelly-MA]
- 1215 **UNITED KINGDOM** *Virgin R.* synchros, FEB 13 0145 - Fair with "Another Brick in the Wall" by Pink Floyd. + FEB 17 0513 - Good with "Tumbling Dice" by the Rolling Stones. [Connelly-MA]
- 1251 **LIBYA** *Libyan Jamahiriya*, Tripoli FEB 21 2248 - Arabic talk; in slop. [Connelly-MA]
- 1287 **SPAIN** *SER* synchros FEB 17 0452 - Monotone voiced Spanish newstalk by man; fair. [Connelly-MA]
- 1296 **SPAIN** *COPE* Valencia FEB 17 0453 - Spanish teletalk; good over apparent *Radio XL*, UK. [Connelly-MA]
- 1314 **NORWAY** *NRK Kvitsøy* FEB 6 0005-0053 - Quite steady in long peaks with female DJ in Norwegian, pop and rock music including The Beatles' "Help" and Procol Harem's "Whiter Shade of Pale." [DeLorenzo-MA] FEB 22 0314 - "Everyday" (remake of Buddy Holly song) by James Taylor; fair. + FEB 24 0203 - Norwegian news by man, then Beatles song "Two of Us"; excellent, nearly equal in strength to adjacent 1310 WLOB and 1320 CKEC. [Connelly-MA] FEB 24 0058 - Fair with instrumental pop standards. Hadn't had a decent signal from this station in quite a while. A harbinger of good long distance reception. [Dangerfield-PA]
- 1323 **CYPRUS** *BBC Cyyl* FEB 17 0558-0604 - News parallel 6195 kHz, not heard in years. [Perkins-NJ]
- 1359 **SPAIN** *Arganda* FEB 17 0454 - Rock music, then man in Spanish; Loud!, pounding local WLYN. [Connelly-MA]
- 1377 **FRANCE** *France Info*, Lille FEB 17 0455 - French telephone interview; good. [Connelly-MA]
- 1422 **GERMANY** *DeutschlandRadio*, Heusweiler FEB 17 0456 - German talk with a woman in the studio and a man on the phone; loud. + FEB 23 0322 - Classical music; fair. [Connelly-MA]
- 1422 unID FEB 24 0354 - 1 kHz tone tester or het mixing with Germany's audio. Algeria? [Connelly-MA]
- 1431 **DJIBOUTI** *R.Sawa*, Arta FEB 24 0116 - Fast Arabic talk by woman; strong enough to punch through slop from partially-nulled local WXKS. [Connelly-MA]
- 1440 **LUXEMBOURG** *RTL Radio*, Marnach FEB 17 0458 - Religious choral music, then woman in German; huge, overwhelming WJAE and WVEI. [Connelly-MA]
- 1458 **UNITED KINGDOM** several unID FEB 17 0500 - Cluster of British stations, one of which

- had BBC news. [Connelly-MA]
- 1467 **FRANCE** *TWR Roumoules* FEB 17 0501 - Religious music, female vocal possibly in German; fair. [Connelly-MA] FEB 20 2345 - Good; end of religious program in English, one cycle of interval signal, then off. [Conti-NH]
- 1503 **IRAN** *IRIB Bushehr* FEB 24 0054 - Shrill Koranic chant; light audio on big carrier. [Connelly-MA] FEB 24 0127 - Fair with Iranian music, man and woman in Farsi. [Dangerfield-PA]
- 1503 **SPAIN** *RNE5* synchros FEB 17 0501 - Fast Spanish news; good. [Connelly-MA]
- 1521 **SAUDI ARABIA** *BSKSA* Duba FEB 17 2217 - Parallel 9555 and 9870 with man and woman in Arabic; to good peaks, but jumpy fast fades. [Connelly-MA] FEB 17 2254-2258 - Loud and clear in 1520 WWKB phase null with discussion between man and woman in Arabic parallel to 9555 and 9870 kHz. [DeLorenzo-MA] FEB 19 0350 - Excellent, loud het against 1520 WWKB; man in Arabic, couldn't find any shortwave parallels at this time unlike typical 9555 and 9870 kHz before 2300 UTC. [Conti-NH] FEB 21 2254 - Music, then slightly reverberated Arabic talk by woman. + FEB 22 0257 - Koranic male a cappella vocal; loud. [Connelly-MA]
- 1530 **VATICAN** *R.Vaticana*, Vatican City FEB 17 0502 - unID language talk, *Vaticana* mention; just behind WCKY and over a probable WVBF and São Tomé mix. [Connelly-MA]
- 1539 **GERMANY** *Evangelium Rundfunk*, Mainflingen FEB 17 0503 - Man in German, then female vocal and piano; fair through WDCD slop. [Connelly-MA]
- 1548 **KUWAIT** *R.Sawa*, Kabd - Kuwait City FEB 24 0056 - Fast Arabic talk, *R.Sawa* ID, then Arabic dance club music with group vocal and strings; very good. [Connelly-MA]
- 1548 **MOLDOVA** *Voice of Russia*, Grigoriopol FEB 19 0408-0500+ Just unID talking first half hour, then mentioned "Russian Leaders" and rubles. AT 0438 classical music and yodeling or throat singing. Lots closer than usual Kuwait, farther than UK. It pays to listen carefully to the familiar frequencies! This one became more familiar as I listened, after so much time on shortwave. [Perkins-NJ]
- 1548 **UNITED KINGDOM** several unID FEB 17 0505 - Jumble with one station in British English and another one with a female opera vocal; at good S-meter level. + FEB 17 0510 - Another UK station briefly atop the mess with the Cars "Who's Gonna Drive You Home." [Connelly-MA]
- 1557 **FRANCE** *France Info*, Nice FEB 19 0259 - Huge signal; bluesy instrumental, then a man in French with presumed news brief, at 0307 a *France Info* ID into a romantic French vocal, parallel 1206 kHz. [Conti-NH]
- 1575 **UNITED ARAB EMIRATES** (?) *R.Farda* FEB 14 0100 - Good with man and woman in Farsi followed by typical Mid East music. Was definitely parallel to 9585 and also it seems to 1170 kHz. I had previously understood that prior to being *R.Farda* this was broadcasting from Kuwait as a clandestine Iraqi. [Dangerfield-PA] FEB 21 2321 - Parallel 1170 with female vocal; poor. Reported as Kuwait by some, UAE by others. + FEB 24 0059 - Fast Mideast dance club music, then *R.Farda* ID's, first by woman, then by man; very good, well over CFAV slop. [Connelly-MA] *R.Asia*, UAE was on this frequency with a power of 100 kW, reported to have moved to 1557 kHz. (See International News, FEB 28 *DX News*.)
- 1593 **IRELAND** *Cross Rhythms*, Monaghan FEB 17 0507 - Tentative; maybe this with bits of English talk; poor. Too late to be anything from eastern Europe or Middle East. [Connelly-MA]
- 1593 **KUWAIT** FEB 24 0114 - Tentative; bits of talk, didn't seem English. [Connelly-MA]
- Ben speaks:* It has been a lean winter season which is why my reports have been scarce. Things were better the week of Feb 21. Monday brought a flurry of TAs prior to sunset and then a lot of Spain stations and some others later in the evening. Never heard 999 so loud and clear. Feb 23/24 was the most interesting night with receptions of *R.Farda* on 1575 and 1170, and Iran on 1503 and 1169. Various UK stations were in fairly well including 693, 882, 909 and 1089. Spain was so-so and France almost no-show. 1134 Croatia big as usual and 1314 Norway making an appearance. I hope for good reception in March as we are taking a trip down the Amazon in April from Peru to Manaus, Brazil. Expensive!
- Pan-American DX
- 550 **CUBA** *R.Rebelde*, multiple sites FEB 24 0924 - Good over WDDZ; "Radio Rebelde... buenos dias" and news/talk. [Conti-NH]
- 550 **VENEZUELA** *YVKE Mundial*, Caracas FEB 19 0459 - Fair; tropical music, "YVKE Mundial" ID, among a number of signals including "WDEV-FM" and at least one other Latin American. [Conti-NH]
- 555 **ST. KITTS & NEVIS** *Radio ZIZ*, Basseterre FEB 13 0516 - Reggae and soca; good. + FEB 22 0327 - "We Are the Champions" by Queen; good. [Connelly-MA]

Newfoundland DX'pedition #14

NOV 7-14, 2004 Cappahayden NL

By Jim Renfrew

AURORA GOLD

As Jim stepped out his door in western New York to travel to Newfoundland for this year's DX'pedition he was astounded to see a huge aurora borealis extending to the SOUTHERN horizon. This was definitely not the kind of aurora normally seen in western New York! He wondered how it might affect our listening over the next few days. Indeed, John and Jean, who were already on site in Cappahayden, reported that European TA signals stopped so suddenly on Sunday night that they wondered if the antenna wire had been cut. The Avalon Peninsula sky was overcast, so they were unable to see the visual clues. And so it went for the entire week, European signals were nearly completely absent, with only a few of the Iberian signals able to make it across with any regularity, and

even those stations were weak and fuzzy. You will note, in the report below, that European stations mostly disappear after November 7th.

Perhaps we took subconscious inspiration from famed Prince Henry the Navigator, who upon finding trade routes to the east blocked, sent his Portuguese ships far to the south in order to explore the waves. And so we found gold in that Aurora, with exotic signals creeping in as we headed left at Madeira towards the Cape of Good Hope and beyond to the other side of the world. There was even more gold to be found when we turned right at Madeira and found DX riches on the shores of the New World, and even beyond Tierra del Fuego. Whether Prince Henry's ghost was there to steer our



Jean, Jim, and John are on site for the #14 Newfoundland DX'pedition.

attentions, or not, it would have been of great benefit if he could have helped with some translations of transmissions from the Portuguese-speaking world!

We found some long-desired DX targets, but in the spirit of those early travelers reaching the edge of the known world we also found a few stations not shown on any map. But, most important, we have lived to tell the tale - although Jean and Jim were delayed by the nearly two feet of snow that closed the Halifax airport the morning of their departure.

AURORA CENTRAL

Our DX facilities have changed. The old DX Inn at Cappahayden is no more, with scattered foundation stones, a few rusting ground rods and orphaned antenna stakes for the intrepid anthropologists of the future to ponder in their efforts to fathom the people and purposes of our age. Sadly, not even a brass plaque is to be found there to memorialize the night that India was received for the first time (they have plaques all over Avalon for various trans-Atlantic things, so why not this?) Only Ubu, the DX dog of DXpeditions past seemed to share in our sense of loss as he wandered by.

Our new location is Round Cove Bed and Breakfast, just a bit to the north, with hosts Ollie and Ken Perry. The location is not quite as good for stretching antenna wire, and there is a noisy power line close at hand, but the comfortable beds, efficient plumbing, a DX Den in the basement, and hot meals do more to lift the spirits! The B&B is situated alongside the East Coast Trail, a wondrous hiking track that hugs the seacoast from Cappahayden to north of St. John's, with seals, whale bones, and container ships visible to the sharp-eyed. One afternoon - remember this was mid-November - we were amazed to see two surfers out in the waves of Round Cove! It's always nice to see that there are people screwier than ourselves!

TEAM AURORA

Jean Burnell, Halifax NS, Drake R8A, ICOM R71A (Jean had two tape recorders running)

John Fisher, Kingston ON; Drake R8, Sony 2010

Jim Renfrew, Byron NY, Drake R8B, Quantum Phaser, Editor

Various wires aimed at Europe and South America, broadband pre-amps, splitters, antenna transformers.

AURORA LOG

Please note that this report focuses on new or previously logged station of propagational interest. Many, many others were heard. For your information Jean Burnell, along with the many participants in past NF DX'peditions, have logged nearly 2000 medium wave stations. The program details shown

16

- 560 CUBA *R.Rebelde*, Moa FEB 19 0515 - Good; salsa music parallel 5025 kHz. [Conti-NH]
 570 CUBA *R.Reloj*, Santa Clara FEB 19 0518 - Fair; news, minute marker, code ID under WMCA. [Conti-NH]
 670 CUBA *R.Rebelde*, Arroyo Arenas FEB 19 0215 - Good; sports commentary parallel 5025, "Radio Rebelde, cadena nacional" ID. [Conti-NH]
 670 VENEZUELA *R.Rumbos*, Caracas FEB 19 0220 - Good, faded in strong over *R.Rebelde* Cuba; news with signature doorbell attention signals. [Conti-NH]
 690 ANGIILLA *Caribbean Beacon*, The Valley FEB 19 0210 - Good over CINF; Dr. Gene Scott parallel 6090 kHz. [Conti-NH]
 700 JAMAICA *RJR Hague* FEB 19 0139 - Good; "RJR 94 FM" promo into DJ rap reggae, sultry "RJR 94 FM" IDs interjected throughout the dance club style music mix. [Conti-NH]
 720 VENEZUELA *YVQE Oriente*, Porlamar FEB 19 0015 - Good; promo, "...información, deportiva, musical, Venezuela, Oriente," and salsa music. [Conti-NH]
 740 CUBA *R.Angulo*, relayed by *R.Progreso*, Camagüey? FEB 19 0126 - Good; baseball play-by-play, "double play" to end the inning into "boletín informativo" news break, *Radio Angulo* ID. [Conti-NH]
 760 COLOMBIA *HJAJ RCN Barranquilla* FEB 19 0010 - Good; ID, "Radio Suceso, RCN..." and "RCN Bogotá" into news item, well over WJR and an unID Latin American signal. [Conti-NH]
 780 VENEZUELA *YVMN R.Coro*, Coro FEB 18 2333 - Good; promo, "...por Radio Coro siete ochenta, en primer lugar." [Conti-NH]
 860 CUBA *R.Reloj*, Baracoa FEB 19 2340 - Good; "Radio Reloj," minute marker with UTC-4 time check, RR code ID, and news, all alone on the frequency with CIBC nulled out. [Conti-NH]
 870 CUBA *R.Reloj*, Sancti Spiritus FEB 19 0135 - Man and woman with news items, minute marker, RR code ID and wobbling, under WHCU. [Conti-NH]
 1020 CUBA *R.Reloj*, unknown location FEB 19 0326 - Good; man and woman with news items, ID and UTC-5 time check: "Radio Reloj," minute marker, "Once veinte seis minutos," RR code ID. [Conti-NH] FEB 19 0600 - Noted with usual time pips and "RR" Morse code, underneath both KDKA and an unID Spanish station. [Turner-MN] FEB 21 0020 - Good; with chimes (three notes) replacing RR code IDs on Sunday. [Conti-NH] FEB 21 0055 - *Reloj* program slightly under KDKA. First time I've noted this rather than YVRS as the dominant Spanish talker here. [Connelly-MA]
 1060 MEXICO *XEEP R.Educación*, México FEB 19 0600 - Fair in KYW null; orchestral national anthem, man in Spanish, and instrumental orchestra music parallel XEPPM 6185 kHz. [Conti-NH]
 1100 CUBA unID FEB 17 0445 - Tentative; "wobbler" signal way under WTAM. Noted earlier on several DXTuners receivers with Florida being the best. [Connelly-MA]

Contributors

- Mark Connelly WA1ION, Billerica MA; Drake R8A, Palstar R30, DXP-3 phasing unit, dual-feedline Flag: 5 x 10.6 m. <MarkWA1ION@aol.com>
 Bruce Conti, Nashua NH; R8B, MWDX-5, 15/23/15-m Ewe antennas east and south.
 Ben Dangerfield, Wallingford PA; R8A, four slopers, DXP-3A phaser, Kiwa back-up loop. <ben-dangerfield@verizon.net>
 Marc DeLorenzo, South Dennis MA; JRC NRD-525, noise-reduced vertical, broadband loop and longwire.
 Wells Perkins, Scotch Plains NJ; Watkins-Johnson HF1000, 365-ft non-terminated northeast Beverage. <swl_ka2hpu@hotmail.com>
 Rick Turner, Bemidji MN; Radio Shack TRF 12-655, Select-A-Tenna 541. <rturner@paulbunyan.net>

73 and Good DX!

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below are deliberately sparse to reduce QSL thievery, which does exist, unfortunately.

Many apologies for the delays in getting this into print – Jean had two cassette recorders going at all times, resulting in a huge pile of tapes to review. We were also checking with other sources to help us identify some of the stations and languages heard. And, finally, Jim (our editor) has been more distracted than usual getting ready for his wedding in March!

AURORA LOG - OLD WORLD

- 531 **BOTSWANA** R. *Botswana*, NOV 8 2207 – heard a little later than the others, // 1215, under RDP.
- 531 **MADEIRA** RDP, Porto Santo, NOV 7 0113 – Antena 1 pgm // 666. SINPO 43433
- 576 **SOUTH AFRICA** R. *Metro*, Meyerton, NOV 8 2255 – Interview, “*here on Metro*” just before 2300, then pop music; SINPO 23432.
- 585 **TUNISIA** RTT, Gafsa, NOV 7 2132 – Arabic; talk about football, then guitar music, // 630; SINPO 32552 under Spain.
- 656.98 **SOUTH AFRICA** R. *Pulpit/R. Kansei*, Meyerton, NOV 8 2200 – Gospel music, promo in Afrikaans at 2123, with ID in English at 2200, “*You’re listening to Radio Pulpit, the station with the Good News*”; SINPO 24332.
- 666 **GERMANY** SWR, Rohrdorf, NOV 7, 0052 – German talks and MDR Info news at 0100; SINPO 33333
- 666 **ALGERIA** ENDS, Tindouf, NOV 11 1949 – Koran recitations, // 549; SINPO 23332.
- 666.05 **ALGERIA** *Alger Chaîne 1*, NOV 11 1940 - // to 549, and slightly behind 891.
- 675 **NETHERLANDS** *Arrow Rock R.*, Lopik, NOV 7 0302 – Rock music, ID; SINPO 34444.
- 747 **NETHERLANDS** R. 747 AM, Zeewolde, NOV 7 0124 – Interviews, pop music; SINPO 43443.
- 783 **MAURITANIA** R. *Nouakchott*, NOV 10 1908 – “*Huna Nouakchott*”, // shortwave. The northernmost (18 degrees!) signal to be unaffected by Aurora during the week.
- 810 **MACEDONIA** RT *Macedonis*, Skopje, NOV 7 2057 – Balkan music, time pips and *Radio Skopje* ID mixing with Spain; SINPO 43444.
- 846 **SOUTH AFRICA** *Umhlobo Wenene*, Komga, NOV 8 2236 – African music, ID’s over the music in an Unid language; SINPO 33333
- 873 **NORTHERN IRELAND** BBC R. *Ulster*, Enniskillen, NOV 7 2000 – Pips, ID, the only frequency announced was “1341;” SINPO 22332.
- 873 **GERMANY** AFN, Oberursel, NOV 7 1956 – NFL football play-by-play; SINPO 33433.
- 873 **BOTSWANA** R. *Botswana*, Gansti, NOV 8 2008 – and all the parallels except 621 and 648. New.
- 873 **MOZAMBIQUE** EP *de Sofala*, Beira, NOV 9 2004 – African music, far beneath Spain but had been // *Manica* 1026 a little earlier; SINPO 22332-1. Jim stayed with this quite a bit around this time and it was definitely // to 1026. NOV 11 2122 – Pop music, “*Rádio Nacional*” ID; SINPO 24322.
- 909 **BOTSWANA** VOA *Relay*, Selebi-Phikwe, NOV 9 1957 – VOA news program in English; SINPO 33343.
- 918 **SLOVENIA** R. *Slovenia*, Domzale, NOV 7 2106 – News, fading below Spain; SINPO 32432.
- 936 **GERMANY** R. *Bremen*, Bremen, NOV 7 0048 – Oldies, news at 0100; SINPO 23432.
- 945 **ANGOLA** R. *Nacional*, Cazenga, NOV 8 2137 – Occasionally breaking through with news in English and music, seemed to be in Portuguese after 2200; at best SINPO 23322. NOV 11 2036 – French news then music, short bit in Portuguese around 2058, then English from 2100; no sign of reported DR of Congo, QRM was likely R. *Kebbi* with Islamic programming, SINPO 33233. NOV 11 2043 – heard with French language international service, // 4950 kHz.
- 945 **NIGERIA** R. *Kebbi*, Birnin Kebbi, NOV 8 2136 – Mainly Islamic talks in local language (likely Hausa), ID at 2200; SINPO 23332. NOV 11 2045 & NOV 12 2155 – tentative with EN talk, pips at 2159:45.
- 963 **SPAIN** R. *Euskadi*, San Sebastián, NOV 7 2300 – Increasing strength rapidly, ID’s; SINPO 33433.
- 963 **TUNISIA** R. *Tunisie*, Tunis, NOV 7 2259 – French; news, being overcome by Spain; SINPO 32432.
- 963 **FINLAND** YLE, Pori, NOV 6, 2258 – Finnish talks. Only heard on the first day before the solar disturbance; SINPO 34433.
- 972 **BOTSWANA** R. *Botswana*, Sebele, NOV 8 2017 – African talk, // 1215 and 1350; SINPO 33333.

- 972 **GERMANY** NDR *Info*, Hamburg, NOV 6 2321 – ID with frequencies, pop song; SINPO 33443.
- 990 **SPAIN** SER R. *Bilbao*, Bilbao, NOV 9 1851 – All talk, local news items, ended with goodbye to listeners in Basque region, network news at 1900; SINPO 33443.
- 1008 **CANARY IS.** *Punto R.*, Las Palmas, NOV 7 0100 – Pips, long jingle and ID, pop music; SINPO 44554. NOV 9 1943 – new slogan.
- 1008 **NETHERLANDS** R. *10 Gold*, Flevo, NOV 7 0120 – Oldies, jingle ID; SINPO 44554.
- 1026 **NIGERIA** R. *Jigawa*, Dutse, NOV 8 2104 – Talk in African language about Nigeria; SINPO 43333 with QRM from Spain. NOV 9 1932 – African talk about Jigawa; SINPO 33323. NOV 9 2038 – unknown language with what sounded like news. Around 2030 the news was in EG, concluding with “*This news bulletin is from Jigawa, Nigeria*”. NOV 8 2111 – Talk in African language about Nigeria; SINPO 43333.
- 1026 **MOZAMBIQUE** EP *de Manica*, Chimoio, NOV 9 1925 – National program, // Beira 873; Portuguese talk about elections and candidates in various regions of Mozambique, some music; SINPO 33333 at peaks, otherwise mixing with Jigawa and Spain. At 2005 there was a flute-like IS on both channels.
- 1062 **NIGERIA** R. *Nigeria*, Onitsha, NOV 8 2124 – English news mentioning Radio Nigeria and off at 2126. SINPO 22332 with transmitter hum.
- 1071 **BOTSWANA** R. *Botswana*, Jwaneng, NOV 8, 2022 – Hymn, man with religious talks in African language; SINPO 34343. On all of the parallels except 621 and 648 kHz.
- 1088 **ANGOLA** R. *Nacional*, Mulenvos, NOV 11 2026 – Talk and music, “*Angola*” at 2032; SINPO 24232. NOV 12 2139 – piano music // 4950 kHz.
- 1107 **NIGERIA** FRCN, Jaji, NOV 12 2135 – tentative, with high-life music.
- 1125 **MADEIRA** *Centro Regional da RDP*, Ponta do Pargo, NOV 12 1856 – Old-fashioned jazz, ID and news at 1900; SINPO 23332. NOV 13 0010 – Pop music; SINPO 34333.
- 1125 **NIGER** *La Voix du Sahel*, Niamey, NOV 12 1902 – *Tentative*; French news (African accent), mentioned Niger during Madeira fade-down, but no ID; SINPO 22322-1.
- 1134 **CROATIA** *Voice of Croatia*, Zadar, NOV 6 2324 – English, financial news; SINPO 44554.
- 1134 **CHINA/TIBET** CNR, unknown site, NOV 9 2238 – Chinese talk, Man and woman with news program in Standard Chinese; SINPO 33433 initially. Could not find a parallel, but this one has been reported in Medium Wave News. The location is not given in the WRTH, though it probably has considerable power. Very interesting how this signal made it to Newfoundland with Europe and North Africa nearly totally lost to the aurora. Not heard subsequent nights. See 1377 logging.
- 1134.03 **ANGOLA** EP *de Bengo*, Mulenvos, NOV 10 2015 – Portuguese talk, garbled ID; SINPO 32322. NOV 11 2010 – National program (// 1484.50) to 2014 with a political speech, then provincial program talking about issues in Bengo; SINPO 44233. At 2055 “*Radio Nacional*” was mentioned. We weren’t sure where this station was broadcasting from, but it was very strong over the course of several nights well into the evening. On NOV 12 1941 reference was made to “*Luanda ... en la capital*”, and the signal was // 1484.50 and 1403.71 at the time. NOV 12 1948 – Telephone chat; SINPO 24442. NOV 12 2030 – Music, clear ID’s at 2034, 2100 (before Nacional news) and 2106; SINPO 35343. Bengo is unequivocally ID’ed, but the transmitter site is indeed from the 2005 WRTH. Mulenvos would make sense. Bengo province surrounds Luanda, so that R. Nacional would have a transmitter site in Bengo, i.e., out of town.
- 1143 **GERMANY** AFN, many small stations, NOV 7 1959 – NFL football play-by-play; SINPO 22322-1.
- 1143 **RUSSIA/KALININGRAD** *Russian Internat. R.*, Bolshakovo, NOV 7 2000 – News, ID at 2005, accordion music; SINPO 33433.
- 1152 **SPAIN** RNE 5, Malaga, NOV 9 1857 – “*Radio Cinco Andalusia*” regional ID, // 1413.
- 1161 **SPAIN** *Euskadi Irratia*, San Sebastián, NOV 6 2143 – Folk music program; SINPO 34433.
- 1170 **UAE** R. *Farda*, Al-Dhabayya, NOV 6 2250 – Pop music, two ID’s, telephone tones; SINPO 33443.
- 1170 **NIGERIA** Abeokuta, NOV 12 2022 – tentative, with EN news.
- 1187.91 **MOROCCO** RTVM, Casablanca, NOV 8 2026 – Choir, but later Arabic talks, local music, ID at 2102, news; SINPO 23343. NOV 11 1956 – an early TA all week that Jean finally paralleled to 1044. NOV 11 1959 – Arabic talk, ID and news at 2001; SINPO 25343.
- 1196.70 **ANGOLA** EP *de Malanje*, NOV 9 1904 – Heard “*R. Malanje 23 26*” ID announcement twice. Not sure what the numbers mean, as they don’t relate to the local time. This station is listed on 1188 kHz, but we found it here throughout the week. SINPO 24332 with some splatter from Family Radio. NOV 10 2020 – Portuguese; news reports; SINPO 24242, using LSB to avoid Lesotho.
- 1197 **LESOTHO** *Family Radio*, Lancer’s Gap, NOV 9 1902 – Hymns, program in Portuguese; used USB to avoid Angolan QRM, initially SINPO 24432, but up to 34343 at 1933. We wondered what

this signal does to the Angola broadcast on 1196.7! NOV 12 2000 – ID in English; SINPO 34343.

1215 **BOTSWANA** R. *Botswana*, Mahalapye, NOV 8 2008 – African language and music, // 972 and 1350; SINPO 33433 with a 1 kHz het. This one was heard every night during our stay.

1242 **ENGLAND** *Virgin* R. *synchros*, NOV 12 2354 – Brief chat and ID; SINPO 23332.

1276.41 **ANGOLA** NOV 10 1950 – a light het was the only evidence that EP Cabinda might be on the air.

1305 **UNID** NOV 12 2210 – African talk but seemed to be a nominally French-speaking country, mentioned “*Radio Nacional de la ...*”? at 2213 (Senegal has been suspected here, but never heard anything that sounded like Senegal or any major city in Senegal); huge carrier, SINPO 23332, with QRM from Spain. NOV 13 2022 – male vocals, unable to discern language.

1314 **NORWAY** *NRK*, Kvitsøy, NOV 7, 1858 – Music, news at 1900; SINPO 55555.

1332 **ROMANIA** *România Actualitate*, Galati, NOV 7 0200 – Faded over Iran with news; SINPO 33322. NOV 10 2123 - // 1152 and 1458.

1332 **MADEIRA** *RDP*, Monte, NOV 10 2043 – // 666.

1332 **IRAN** *IRIB*, Tehran, NOV 7 0150 – Religious talk and Koran, ID at 0203; SINPO 33333.

1341 **SPAIN** *Onda Cero*, Ciudad Real/Almeria, NOV 13 2000 – Pips, ID and football; SINPO 24443.

1350 **BOTSWANA** R. *Botswana*, Tshabong, NOV 8 2017 – Religious talk in African language, ID just before hymn at 2021; SINPO 24242.

1377 **CHINA** *CNRI*, Henan, NOV 9 2241 – Site according to European logs; Standard Chinese talk, seemingly not // 1134; SINPO 34444 with light French QRM. At 2203 the tape playback reveals “*Renmin Guangbo Dientai*”, a typical ID phrase. We will need to recruit a Chinese speaker to help us decipher this on. See report on 1134 station.

1377.01 **TANZANIA** R. *Free Africa*, Mwanza, NOV 8 1946 – African talk, hi-life music; SINPO 23342. NOV 8 2225 – Faded up with Swahili talk over drums; SINPO 33333. NOV 9 1911 – African music, ID; SINPO 35333. NOV 10 1900 – ID’s, telephone call-in; SINPO 24432.

1377.05 **SWAZILAND** R. *Cidade*, Sandlane, NOV 8 2212 – Talk show in Portuguese; SINPO 22432. NOV 10 2006 – Portuguese talk behind Tanzania; SINPO 22432-1. NOV 11 2111 – English and Portuguese pop tunes back-to-back, occasional jingles, religious program at 2204, ID’s: SINPO 24232. NOV 11 2156 – mostly music heard here, with occasional Portuguese announcements. “*Cidade*” ID finally heard at 2156, then again at 2230

1385.92 **GUINEA** R. *Rurale*, Labé, NOV 10 2031 – Sounded like part of a sign-on, Islamic prayers; SINPO 55455.

1403.67 **ANGOLA** *EP do Bié*, Kuito, NOV 8 2029 – Mainly African music, occasional canned “*Rádio Bié*” ads with lots of reverb, ads at 2054, pips and news at 2100; SINPO 34332.

1413 **SPAIN** *RNE 5*, Jaén, NOV 9 1853 – noted with “*Radio Cinco Andalusia*” regional ID, // 1152.. NOV 10

1955 – Ad, “*Radio Nacional de España Todo Noticias Andalusia*”; SINPO 33443.

1422 **ALGERIA** *ENDS*, Alger, NOV 9 2014 – Music, ID at 2031; SINPO 33343.

1422 **UNID AFRICAN** NOV 9 2014 – Tantalizing station with African music and glimpses of news in English, far beneath Algeria. Might be Malawi?

1431 **DJIBOUTI** R. *Sawa*, NOV 12 0118 – with report from Fallujah, then into pop ,music with an ID. One of the few Middle Eastern broadcasts we could receive.

1457.65 **ANGOLA** *EP Moxico*, Luena, NOV 10 1916 – Presumed site, news in Portuguese // 1484.5 Kuanza Sul. Weak signal NOV 12 2000 – Pips, R. Nacional ID; SINPO 23332 (on 1457.61 this time).

1458 **ROMANIA** *Romania 1*, Agigea, NOV 10 2123 - // 1332 and 1152.; SINPO 22342 under VOA.

1458 **GIBRALTAR** *BBC program*, NOV 8 0055 – Presumed; BBC World Service sports; faded very quickly; SINPO 32332.

1484.50 **ANGOLA** *EP do Kuanza Sul*, Sumbe, NOV 11 2014 – National program ending, local ID at beginning of provincial program; SINPO 34333. NOV 12 1939 – Portuguese talk // 1196.72; SINPO 24442. NOV 12 2102 – R. Nacional news, ended with “*Rádio Nacional*” ID then “*Rádio Kuanza Sul*” ID; SINPO 34333.

1485 **ASCENSION IS.**, *BBC Relay*, NOV 8 2257 – Presumed; BBC World Service sports. SINPO 22222

1494 **RHODES** *ERA*, Rhodos, NOV 12 0222 – clear // with Greek music on 7475.

1503 **IRAN** *IRIB*, Bushehr, NOV 7 2059 – Faded up above Egypt and RNE; talk and likely ID; SINPO 33432.

1548 **KUWAIT** *Sawa Radio*, Kuwait, NOV 12 2357 – the band opened up for 30 minutes, and this was one that we heard.

1557 **FRANCE** *France Info*, Fontbonne, NOV 7 0129 – Classical music, ID at 0130; SINPO 33422.

NOV 9 2114 – one of the few signals from France This one is a new transmitter site.

1557 **UNID**, NOV 12 2357 – Middle Eastern music during a 30 minute opening to Europe.

1566 **INDIA** *AIR, Nagpur*, NOV 9 2235 – News and sports in Hindi; SINPO 34444, in strong for about an hour with a solid signal.

1575 **THAILAND** R. *Saranrom*, Ban Phachi, NOV 9 2258 – Thai talk, ID at 2300 before rapid fade-out; SINPO 34433.

1575 **CHINA** *unID station*, NOV 9 2301 – Ten seconds of Chinese as Thailand faded down; SINPO 22332.

1593 **KUWAIT** *VOA Relay*, Kuwait City, NOV 8 2300 – English program begins; SINPO 34444.

1602 **SPAIN** R. *Vitória*, Vitória, NOV 7 0040 – ID and jingle, pop music; SINPO 33443.

1611 **VATICAN** R. *Vaticana*, Santa Maria di Galeria, NOV 7 2011 – Eastern European language, IS and ID at 2020; SINPO 23433.

1622.20 **PIRATE/GREECE** *unID station*, NOV 7 2024 – Greek music and talk; SINPO 24332.

1636 **PIRATE/NETHERLANDS** R. *Verona*, NOV 7 2018 – Dutch folk songs, Dutch talk, cellphone number, ID’s; SINPO 34343.

1645 **PIRATE/NETHERLANDS** R. *Barones*, NOV 6 2327 – Pop songs, talk in Dutch and English, greetings to DXpeditioners in Newfoundland; to SINPO 33443 around 0145. NOV 12 2336 – someone knew what we were up to this week, as the operator sent greetings to DXpeditioners in Newfoundland! This happened during a 30 minute opening to Europe, that closed down as suddenly as it opened, SINPO 34332.

1665 **GREECE** *Pirate*, NOV 9 2138 – Greek music, weak, then quickly gone.

AURORA LOG – NEW WORLD

550 **URUGUAY** R. *Colonia (CW1)*, Colonia, NOV 14 0205 – News, ads, ID; SINPO 22432 with big 985 Hz het.

560 **GUYANA** *GBC*, Georgetown, NOV 9 0032 – Death notices, // 3291.17; SINPO 22442 under CHVO.

570 **CUBA** R. *Reloj (CMDC)*, Villa Clara, NOV 14 0226 – News, pips, ID’s; SINPO 23432.

580 **BRAZIL** R. *Relógio (ZYJ465)*, Rio de Janeiro RJ, NOV 13 0732 – Three pips every minute, ID at 0735, news and hype; SINPO 34332.

580 **PUERTO RICO** R. *Reloj (WKAQ)*, San Juan, NOV 14 0449 – Sports talk program, ID; SINPO 33343.

600 **BRAZIL** R. *Mirante AM (ZYH920)*, São Luís MA, NOV 14 0232 – Ad string, ID, telephone chat and mellow music; SINPO 33443.

620.05 **BRAZIL** R. *Assunção Cearense (ZYH590)*, Fortaleza CE, NOV 11 0028 – Football play-by-play with ads and ID’s; SINPO 43443.

630 **BRAZIL** R. *Maracu (ZYH924)*, Viana MA, NOV 9 0251 – ID and sign-off; SINPO 33333.

630 **PUERTO RICO** *NotiUno (WUNO)*, San Juan, NOV 9 0400 – ID with call under Venezuela; SINPO 22342.

630 **VENEZUELA** R. *Nacional de Venezuela (YVKA)*, Caracas, NOV 9 0317 – Political chat, news promos, “*RNV Informativa*”; SINPO 33432.

650 **PARAGUAY** R. *Uno (ZP4)*, Asunción, NOV 13 0456 – Jingle and canned ID, mellow ballads; SINPO 43333, but with increasing QRM from CKGA around 0500.

660 **VENEZUELA** R. *Anaco*, Anaco, NOV 9 0338 – ballads, ads and ID’s. News at 0400 over another Venezuelan station playing the National Anthem (likely Ondas de los Medanos below); SINPO 44434

660 **VENEZUELA** *Ondas de los Medanos*, Coro, NOV 9 0403 – full ID but lost quickly; SINPO 24322. NOV 11 0345 – Ads for stores in Coro; 33333.

660 **BRAZIL** R. *Jornal (ZY1787)*, Limeiro PE, NOV 10 2059 – “*Rádio Jornal desde Pernambuco Brasil*” ID. and gave location in Pernambuco before beginning the national “*A Voz do Brasil*” news program; SINPO 33333.

670 **BRAZIL** R. *Globo (ZYJ248)*, Curitiba PR, NOV 12 0525 – Network programming with Globo ID’s and slogans; SINPO 33333.

680 **BRAZIL** *Rdif Maranhao*, Sao Luis, NOV 10 0017 – Romantic ballads, TC’s, ads and ID’s; SINPO 44444

700 **ARGENTINA** R. *Córdoba (LV3)*, Córdoba, NOV 14 0300 – ID as “*Rádio Córdoba*” (thought this ID was no longer used) then Argentinian anthem, but later ID’s were only “*Cadena Tres*”; SINPO 32432.

700 **BRAZIL** R. *Eldorado (ZYK686)*, São Paulo SP, NOV 14 0256 – Interviews, ID at 2330; SINPO 33433.

- 730 **BRAZIL** *R. Dirceu (ZYK610)*, Marília SP, NOV 13 0756 – ID just before Em. Rural came on; SINPO 32432.
- 730 **BRAZIL** *Emissora Rural (ZYI780)*, Petrolina PE, NOV 13 0757 – Transmitter on, sign on with ID and Brazilian anthem; SINPO 33443.
- 730 **TRINIDAD** *Inspirational Radio 730*, Port of Spain, NOV 14 0931 – Religious call-in, ID and promo; SINPO 34333.
- 760 **BRAZIL** *R. Uirapurú*, Fortaleza, CE, NOV 13 0157, pop ballads and soft ID's; SINPO 44444
- 770 **URUGUAY** *R. Oriental (CX12)*, Montevideo, NOV 13 0142 – Ad string, promo, ID; SINPO 34433.
- 780 **BRAZIL** *R. Jornal do Comércio (ZYI771)*, Recife PE, NOV 13 0358 – ID's, station song; SINPO 34343.
- 780 **VENEZUELA** *R. Coro (YVMN)*, Coro, NOV 12 0036 – Lottery numbers, jingle ID; SINPO 33242.
- 789.95 **BARBADOS** *Voice or Barbados*, Bridgetown, NOV 13 0159 – Contest sponsored by "VOB," at 0200: "10 o'clock in Barbados and the eastern Caribbean"; SINPO 33333.
- 789.96 **ARGENTINA** *R. Mitre (LR6)*, Buenos Aires, NOV 13 0322 – Pointless chat; SINPO 34322. NOV 14 0154 – Soft Latin music, news and weather at 0202; SINPO 33433.
- 790.02 **BRAZIL** *R. Cultura (ZYI679)*, Guarabira PB, NOV 10 2133 – Two "Cultura" ID's, preview of a football game in Guarabira; SINPO 33343.
- 800 **NETHERLANDS ANTILLES** *TWR*, Bonaire, NOV 7 0314 – Through VOWR from St. John's, English religious program, ID at 0315; SINPO 43533.
- 810 **BRAZIL** *R. Verde Mares*, Fortaleza, CE, NOV 12 0151, ballad music, ads and announcer mentioning Fortaleza; SINPO 44444
- 830 **VENEZUELA** *R. Sensación (YVLT)*, Caracas, NOV 8 0217 – Presumed; announcer welcomed new station Radio Maria from La Guaira on 1450 kHz; SINPO 34333.
- 860 **BRAZIL** *R. Cidade*, Maracanau, CE, NOV 10 2325, ads, ID mixing with R. CBN; SINPO 43433
- 860 **BRAZIL** *R. CBN (ZYJ459)*, Rio de Janeiro RJ, NOV 10 2159 – "A Voz do Brasil" ends, "CBN Rio de Janeiro" ID; SINPO 43333.
- 860 **BRAZIL** *R. Cidade (ZYH592)*, Maracanau CE, NOV 10 2202 – R. CBN faded down for a moment leaving this one ID'ing; SINPO 43333. NOV 12 0042 – Announcement on behalf of police in Ceará; SINPO 43343.
- 870 **PUERTO RICO** *WQBS*, NOV 11 0246 – call letters announced. NOV 13 0336 – Phone-in program; SINPO 33332.
- 880 **BRAZIL** *R. Inconfidência (ZYL275)*, Belo Horizonte MG, NOV 12 0600 – ID's with SW frequencies; SINPO 33443.
- 890 **ARGENTINA** *UNID*, NOV 12 0658 – sound of chirping birds, resolved into an Argentine sign-on, but which one?
- 890 **BRAZIL** *R. Planalto*, Brasília, DF, NOV 10 2247, pop music and jingle ID; SINPO 34433
- 890 **CUBA** *R. Progreso (CMDZ)*, Chambas, NOV 8 0954 – Announcements and chat, ID at 1001; SINPO 23332.
- 900 **VENEZUELA** *R. Mara Ritmo (YVMD)*, Maracaibo, NOV 9 0952 – Religious program, ID at 0953; SINPO 33333.
- 910 **CUBA** *R. Cadena Agramonte*, NOV 12 0259 – very surprised to hear this ID emerge out of the jumble, with pips at the top of the hour.
- 910 **ARGENTINA** *La Red (LR5)*, Buenos Aires, NOV 13 0340 – Music events in Buenos Aires, ID's; SINPO 33343.
- 910 **PUERTO RICO** *NotiUno (WPRP)*, Ponce, NOV 12 0302 – "NotiUno" slogans, news report; SINPO 33433 with het.
- 920 **VENEZUELA** *R. Nueva Esparta (YVQX)*, Porlamar, NOV 14 0940 – Local music, ID's as "Nueva Esparta 9-20 AM"; SINPO 34444.
- 950 **ARGENTINA** *R. Belgrano*, Buenos Aires, NOV 11 0159, tango music, ID and time pips; Fair
- 960 **VENEZUELA** *R. Venezuela*, Acarigua, NOV 9 1000 – "Radio Venezuela presenta", news promos; 33423 fading up over CHNS.
- 970 **VENEZUELA** *Mundial-970*, Barcelona, NOV 7 2355 – Salsa, ID and phone number; SINPO 34433. NOV 13 0350 – Latin dance music, ID, anthem of Anzoátegui state noted at 0400; SINPO 32332.
- 970 **BRAZIL** *R. Pampa*, Porto Alegre, RS, NOV 11 0412 – news program. They broke in with a bulletin mentioning Arafat's death; SINPO 34333
- 970 **ARGENTINA** *AM 970 (LV2)*, Córdoba, NOV 12 0606 – "LV2" ID, then many canned

- "AM 9-70" slogans with the phone number 526-5200 (but in over an hour never heard the "Radio General Paz" slogan listed in WRTH'05) pop music; SINPO 43333.
- 970 **PARAGUAY** *AM 970 (ZP9)*, Asunción, NOV 12 0657 – Harp music, sign-on announcement, anthem, must be careful as LV2 uses the same slogan! SINPO 33333.
- 970 **VENEZUELA** *Onda Continente (YVLR)*, Maracay, NOV 12 0647 – A Venezuelan was noted (or perhaps two) under LV2, but then an ID sneaked through: "Ritmo del Sur, Onda Continente"; SINPO 22432.
- 980 **COLOMBIA** *RCN (HJES)*, Cali, NOV 7 0134 – Sports coverage, "RCN" ID's; SINPO 33433.
- 990 **ARGENTINA** *AM 990 (LRH203)*, Formosa, NOV 11 0116 – with sports and lots of IDs, punching through 990.20 R. Splendid in Buenos Aires discussing drugs. SINPO 32442.
- 990.20 **ARGENTINA** *R. Splendid (LR4)*, Buenos Aires, NOV 11 0123 – Mainly talk, ID at 0131; SINPO 32432 with QRM from CBY and LRH203.
- 1000 **BOLIVIA** *R. Bahá'í (CP220)*, Caracollo, NOV 13 0845 – Announcements in local language and some Spanish, ID at 0846, Andean music, buried by R. Caribeña just after 0900; SINPO 34333. NOV 14 0840 – Local language and Spanish, Andean music, ID's and jingles; initially QRM from Brazil, but Brazil faded by 0850, when SINPO 34433. NOV 14 0856 – chasing the traces heard by Jean the previous morning with Andean music we were rewarded with several nice R. Bahai IDs. Andean flute, then "Radio Baha'í" sung ID, then a male announcer also giving the ID.
- 1000 **VENEZUELA** *R. Caribeña (YVNM)*, Morón, NOV 13 0855 – Venezuelan anthem and sign-on, ID's and slogans, Venezuelan folk music; SINPO 34343.
- 1010 **ARGENTINA** *R. Rio Cuarto AM (LV16)*, Rio Cuarto, NOV 14 0902 – Sign-on ID with call and jingle, and then classical music; SINPO 34433.
- 1020 **CUBA** *R. Reloj*, unknown site, NOV 12 0043 – strong over R. Margarita with "RR" code IDs. Also heard on 830 and 860. SINPO 32342.
- 1020.06 **PARAGUAY** *R. Ñanduti (ZP14)*, Asunción, NOV 11 0059 – Serious talk through top-of-the-hour; SINPO 33443.
- 1030 **ARGENTINA** *R. del Plata (LS10)*, Buenos Aires, NOV 8 0120 – Buenos Aires weather; SINPO 33333.
- 1030 **BRAZIL** *R. Olinda (ZYI777)*, Olinda PE, NOV 9 2234 – Ads, jingle ID; SINPO 33322.
- 1050 **BRAZIL** *R. Metropolitana (ZYH494)*, Camaçari BA, NOV 8 0400 – ID and music; over other Brazilians, of which R. Capixaba may have been the major one, SINPO 33332.
- 1050 **VENEZUELA** *Radio Nacional*, 2 sites, NOV 14 0914 – Harp music, "RNV" ID's; SINPO 34343. NOV 14
- 0918 – long program of music before finally hearing "RNV, El Circuito Nacional".
- 1050 **BRAZIL** *R. Show AM (ZYK601)*, Jardinópolis SP, NOV 14 0002 – Grim-voiced male with ID; this was lurking beneath SODRE for hours, SINPO 22422.
- 1050 **URUGUAY** *SODRE (CX26)*, Montevideo, NOV 13 2308 – Program of 60's pop tunes, UTC -2 time checks, number of ID's; SINPO 33433-2. NOV 14 0100 – eclectic mix of rock and roll.
- 1060 **BRAZIL** *R. Grande*, Belo Horizonte, MG, NOV 10 0428 – Religious program "A Voz de Libertacao" // 1260 and 1290.
- 1070 **COLOMBIA** *Em. Atlantico*, Barranquilla, NOV 10 2311 – ads for Barranquilla.
- 1070 **ARGENTINA** *R. El Mundo (LR1)*, Buenos Aires, NOV 10 2312 – Call-in program called "Radio River," which made ID'ing this common station an adventure; SINPO 33333.
- 1070 **BRAZIL** *R. Difusora Cajazeiras (ZYI673)*, Cajazeiras PB, NOV 10 2312 – Mixing with R. El Mundo; ID and music; SINPO 32322.
- 1080 **BRAZIL** *R. Subaé AM (ZYH470)*, Feira de Santana BA, NOV 13 2201 – ID noted twice in a mess of Brazilian signals; SINPO 23322.
- 1080 **BRAZIL** *R. Jornal (ZYI784)*, Caruaru PE, NOV 13 2201 – Time "en Caruaru"; SINPO 23322. NOV 14 0435 – Suddenly over WVCG and ZYK280 with program promos; SINPO 23432.
- 1080 **BRAZIL** *R. Universidade Federal do Rio Grande do Sul (ZYK280)*, Porto Alegre RS, NOV 14 0418 – Classical music, promo for concert with ID at 0429; SINPO 23422.
- 1090 **VENEZUELA** *Unión R. (YVSZ)*, Caracas, NOV 14 0947 – News program; SINPO 25333.
- 1090 **BRAZIL** *R. Metropolitana*, Rio de Janeiro, NOV 10 0043 – ID follows flute version of "What A Friend new Have in Jesus"
- 1090 **VENEZUELA** *Unión R. (YVSZ)*, Caracas, NOV 8 0048 – Promo for newscasts; SINPO 32332.
- 1100 **BRAZIL** *R. Globo (ZYK694)*, São Paulo SP, NOV 13 0833 – Comedy; SINPO 44444.
- 1110 **BRAZIL** *R. Redentor*, Santo Antonio GO, NOV 10 2159 – the dominant station completed *A Voz do Brasil*, then went to dead air, in which the tape reveals a very weak "Radio Redentor" ID.
- 1130 **BRAZIL** *R. Nacional (ZYJ460)*, Rio de Janeiro RJ, NOV 8 0434 – Local music, time check

for Rio; SINPO 45444. NOV 9 0148 – Song about R. Nacional; SINPO 44444.

1150 **BRAZIL** R. *Globo de Minas* (ZYL283), Belo Horizonte MG, NOV 9 0153 – Music, ID at 0159; SINPO 43433. NOV 12 2305 – Globo hype; SINPO 42332.

1150 **BRAZIL** R. *Cabugi do Seridó* (ZYJ617), Jardim do Seridó RN, NOV 9 0154 – ID under Globo; SINPO 32432.

1150 **BRAZIL** *Super R. Tupi* (ZYK656), São Paulo SP, NOV 9 0158 – Faded up with jingle; SINPO 43433.

1160 **BRAZIL** R. *Sociedade TV* (ZYH323), Boca do Acre AM, NOV 12 2255 – *Tentative*; “A Voz de Brasil” an hour later than many other Brazilian signals, ID at 2301 unfortunately was not 100% clear; SINPO 24332.

1160.02 **BRAZIL** R. *Espírito Santo* (ZYI202), Vitória ES, NOV 12 0402 – Long ID with call; SINPO 32322.

1160.02 **BRAZIL** R. *Globo*, Blumenau, NOV 12 0331 – tentative, only Globo on the Brasil List, no local ID.

1170 **BRAZIL** R. *Bandeirantes*, 2 possible sites, NOV 10 0604 - // 840.

1200 **BRAZIL** R. *Jornal* (ZYH251), Maceió AL, NOV 8 2339 – Above other Brazilians with ID, “*Rádio Jornal...Maceió, Alagoas*”; SINPO 33432.

1200 **BRAZIL** *Ceará R. Clube* (ZYH585), Fortaleza CE, NOV 8 2344 – ID in the mix of Brazilians; SINPO 32422.

1200 **BRAZIL** R. *Clube Rio do Ouro* (ZYH482), Jacobina BA, NOV 8 2359 – “*Rádio Clube Rio do Ouro AM*” ID; SINPO 22322. NOV 11 0233 – Messy frequency, garbled slogan but the call was clearer; SINPO 22442.

1200 **VENEZUELA** R. *Tiempo* (YVOZ), Caracas, NOV 14 0912 – Romantic music, chimes, ID and time;

1220 **VENEZUELA** R. *Venezuela* (YVVM), Valencia, NOV 14 0950 – ID, local music; SINPO 33323 but fading out fast.

1230 **BRAZIL** R. *Atual* (ZYK766), São Paulo SP, NOV 13 2223 – Ads, promos; SINPO 33443.

1240 **BRAZIL** R. *Jovem Capi* (ZYI774), Recife PE, NOV 8 2335 – Telephone interviews, ID at 2345 and 2356; SINPO 34333. NOV 10 0200 – multiple IDs at top of hour after news program. NOV 11 2310 – Religious program, ID at 2329; SINPO 33333.

1240 **BRAZIL** R. *Clube* (ZYK653), Santos SP, NOV 11 2316 – Generally under *Jovem Capi*, ID; SINPO 32432.

1250 **BRAZIL** R. *Metropolitana* (ZYL367), Vespasiano MG, NOV 13 0157 – Poor “*Rádio Metropolitana AM*” ID then jingle, preacher at 0201 said “*Bom Noite Belo Horizonte*”; SINPO 33242.

1250 **COLOMBIA** *Capital R. (HJCA)*, SF de Bogotá, NOV 12 0312 – Slogans, ID’s, Latin hits; SINPO 33433.

1260 **BRAZIL** R. *Clube* (ZYK629), Pirajuí SP, NOV 11 2029 – Religious program, ID; SINPO 34232.

1270 **ARGENTINA** R. *Provincia de Buenos Aires* (LS11), La Plata, NOV 13 0428 – ID, mellow music; SINPO 33333.

1270 **BRAZIL** R. *Brazil Central*, Goiania GO, NOV 9 2213 – Religious program // 4985 but no ID; SINPO 34433. // 4985 kHz. NOV 14 0838 – Full ID and time check.

1280 **BRAZIL** R. *Sinhauá* (ZYI688), João Pessoa PB, NOV 9 2200 – Full ID and ads; SINPO 33443 before 100 kW R. Tupi fades up and destroys the channel.

1290 **VENEZUELA** R. *Puerto Cabello* (YVLF), Puerto Cabello, NOV 8 0025 – Romantic music, time and ID as “*Radio Tiempo en Puerto Cabello*”; SINPO 32442.

1290 **BRAZIL** R. *Clube AM de Salvador*, Salvador, BA, NOV 10 0359 – Religious program and ID; SINPO 44444

1300 **BRAZIL** R. *Universo* (ZYK535), São Bernardo do Campo SP, NOV 9 0252 – Preaching, ID at 0302; SINPO 44333. NOV 9 2358 – Religious talks, ID; SINPO 33433.

1310 **BRAZIL** R. *Bahiana* (ZYH454), Ilhéus BA, NOV 9 2157 – ID and intro to sports program; SINPO 23333 before Cidade faded up.

1310 **VENEZUELA** R. *Nacional* (YVSM), Barcelona (likely transmitter), NOV 8 0408 – Talks and ID; SINPO 33332. NOV 9 0010 – traditional music program.

1310 **BRAZIL** R. *Cidade Esperança* (ZYI691), Esperança PB, NOV 9 2201 -- lots of mentions of Paraíba.

1310 **MARTINIQUE** *RFO*, Fort de France, NOV 12 0554 – France-Inter news under a massive Brazilian; SINPO 42432.

1320 **PUERTO RICO** R. *Isla*, San Juan, NOV 12 0653 – first time this slogan has been heard here.

1320 **BRAZIL** R. *Milênio* (ZYH243), Maceió AL, NOV 11 0338 – Telephone numbers and ID, think this is the one that had Catholic programming; SINPO 33432 at peak.

1340 **BRAZIL** R. *São Luís AM* (ZYH886), São Luís MA, NOV 10 2116 – ID, ads; SINPO 44444.

1340.07 **BERMUDA** ZBM2, Hamilton, NOV 10 0933 – Chat about playing golf; SINPO 23342.

1330 **DOMINICAN REPUBLIC** R. *Vision*, Santo Domingo, NOV 12 0248 – religious program // 530 kHz.

1340 **BRAZIL** R. *Clube de São Luís* (ZYH886), São Luís MA, NOV 8 0110 – Many ads, “*Jovem Pan*” network news at 0130; SINPO 44333.

1340 **BRAZIL** R. *Arapuau* (ZYI671), João Pessoa PB, NOV 13 2141 – *Tentative*; noted PB station earlier, but the ID at 2141 was too poor to be certain of the ID; SINPO 22332, QRM from a Globo net station.

1350 **ARGENTINA** R. *Buenos Aires* (LS6), Buenos Aires, NOV 8 0203 – Under Boa Vontade, ID; SINPO 32332. NOV 12 0159 – Ad string, ID; slowly faded up to SINPO 44444.

1350 **BRAZIL** R. *Cristal/Boa Vontade* (ZYH520), Salvador BA, NOV 7 2241 – Call-in program, sports reports, “*LBV*” ID’s; SINPO 33333. NOV 8 0158 – Religious talk, “*Boa Vontade*” slogan; SINPO 33333. Also heard NOV 13 2214.

1360 **BRAZIL** R. *Bandeirantes* (ZYJ464), Rio de Janeiro RJ, NOV 10 0038 – Fooled me initially; interview with someone who worked at Rádio Nacional de Angola! SINPO 44344.

1370 **BRAZIL** R. *Independência* (ZYJ267), Curitiba PR, NOV 14 0400 – Network ID, “*Rede de Canção Nova*,” with SW frequencies; SINPO 23432 with QRM from WDEA and a Venezuelan.

1370 **BRAZIL** R. *Piquaraca* (ZYH555), Monte Santo BA, NOV 12 0100 – Clear ID, seemed to be going off; SINPO 32322. NOV 11 2335 – ID followed by male vocal.

1379.98 **BRAZIL** R. *Novas de Paz* (ZYI778), Recife PE, NOV 8 0144 – Telephone chat, many ID’s; SINPO 34333. Also heard NOV 9 2224.

1380 **VENEZUELA** *Ondas del Mar* (YVNG), Puerto Cabello, NOV 9 0959 – Venezuelan harp music, ID; SINPO 34433.

1380 **CHILE** R. *Corporación* (CB138) Santiago, NOV 11 0403 – Religious program faded up, ads, addresses in Chile where the preacher will visit; SINPO 32322 with QRM from Ondas del Mar and R. Globo. NOV 12 0406 – ID, religious music and talk; SINPO 23332, mainly under Ondas del Mar. NOV 12 0456 – Jean heard traces of religious programming the previous day around this time. We were fortunate to hear various mentions of “*Corporación*” and an itinerary for religious gatherings in Santiago and other locations. The signal had to struggle with Ondas del Mar, which dominates at this time.

1390 **PUERTO RICO** *WISA*, Isabela, NOV 12 0240 – Ad’s, mentioned Puerto Rican locations; SINPO 33322.

1390 **BRAZIL** R. *Jornal* (ZYI788), Pesqueira PE, NOV 8 0414 – ID’s; mixing with R. Fé y Alegria, SINPO 33333.

1390 **VENEZUELA** R. *Fé y Alegria* (YVZA), Caracas, NOV 8 0502 – Emerging over R. Jornal with announcements and ID; SINPO 33332. NOV 12 0115 – with conversational English lessons.

1390 **BRAZIL** R. *Globo*, NOV 10 0414 – possibly the station in Campinas SP, the only Globo on the list.

1400 **GRENADA** *Harbour Light of the Windwards*, Carriacou, NOV 9 0155 – Choir, ID at 0159; SINPO 43343.

1410 **BRAZIL** R. *Santa Cruz* (ZYH614), Santa Cruz RN, NOV 7 2237 – Local ads; SINPO 33343; NOV 9 0106 – ID following a song that sounded like the PT version of “*Killing Me Softly*”. NOV 13 2001 – Ad string for Santa Cruz businesses, ID as “*R. Santa Cruz AM*”.

1420 **VENEZUELA** R. *Marabina* (YVNZ), Maracaibo, NOV 8 0454 – ID over an unID Brazilian; SINPO 33333. Also heard NOV 12 0554

1430 **BRAZIL** R. *Imaculada*, Curitiba, NOV 13 0409 – although we initially thought this was the new station on 1430, we finally saw that this is good old Curitiba and // 6040 kHz.

1430 **BRAZIL** R. *Clube Paranaense* (ZYJ200), Curitiba PR, NOV 13 0402 – Almost certainly this frequently-heard station with the Milicia da Imaculada religious network programming; SINPO 44343.

1440 **BRAZIL** R. *Baré*, Manaus, NOV 10 0918 – tentative, in very late this morning suggesting western Brazil. This was a preacher, no IDs. Also heard NOV 14 0945.

1440 **BRAZIL** R. *1440 AM* (ZYJ469), Rio de Janeiro RJ, NOV 10 0158 – ads, jingle ID’s and news headlines; SINPO 44444. NOV 12 0110 – “*1440 AM*” ID, very strong. NOV 13 2304 – Long ID; SINPO 44444.

1450 **BRAZIL** R. *Cultura*, NOV 10 0359 and 0430 – bells, followed by a sung ID. Lots of R. Culturas on this frequency, however. NOV 14 0400 – yet again, *Rádio Cultura*, but which one?

1460.01 **BRAZIL** *Agreste AM*, San Antonio, NOV 13 2040 – clear ID among ad string.

1460.06 **BRAZIL** R. *Uirapurú* (ZYH616), Morada Nova, NOV 12 2249 – Although WRTH says “*Morada Nova*”, we heard “*Nova Morada*”! This one faded above a number of signals, many with “*A*

Voz do Brasil" program, ID, ads for stores in Morada Nova; SINPO 33333.

1470 **BRAZIL** R. AM de Parelhas (ZYJ616), Parelhas RN, NOV 11 2305 - Promo for event in Parelhas; SINPO 32332. NOV 13 2259 - Two stations, this one usually dominant with local announcements; SINPO 33443-2.

1470 **URUGUAY** R. Cristal, NOV 10 0617 - nice ID as "Radio Cristal del Uruguay".

1470 **VENEZUELA** R. Latina, Valencia, NOV 10 0859 - Union Radio Noticias network news; SINPO 43433.

1470 **BRAZIL** R. Papacaça (ZYI827), Bom Conselho PE, NOV 11 2305 - Two ID's under Parelhas; SINPO 22332.

1470 **VENEZUELA** R. Vibración (YVSY), Carúpano, NOV 11 0157 - Ballads, ID and time; SINPO 32432 over R. Latina.

1480 **BRAZIL** R. Canção Nova (ZYI825), Gravata PE, NOV 10 0304 - Music, many ID's; SINPO 33322. NOV 11 2252 - Ads, many ID's; SINPO 34333. NOV 10 0351 - R. Cancao Nova network break mentions Cachoeira Paulista and shortwave frequencies. NOV 13 2100 - ID, address; SINPO 34444.

1490 **PUERTO RICO** WDEP, Ponce, NOV 10 0508 - Weather for Puerto Rico; SINPO 24322. NOV 12 0130 - Phone-in program, ads, "Radio Isla" ID's; SINPO 33332.

1490 **PUERTO RICO** R. Isla, Ponce, NOV 12 0135 - first time we've heard this network ID.

1500 **BRAZIL** R. Jacuipé, Jacuipé BA, NOV 9 2124 - Religious song, ID and promos at 2124; SINPO 23443.

1520 **PUERTO RICO** WVOZ, San Juan, NOV 12 0633 - ID, blocking more interesting unID signal from southern South America; SINPO 33332. NOV 14 0058 - ID; SINPO 33343.

1520 **BRAZIL** R. Bela Vista (ZYH530), Poções BA, NOV 10 0334 - ID in a mix of two stations, other had Globo's "Show da Madrugada" but no Globo station is listed here; SINPO 33223.

1540 **BRAZIL** R. Baixa Verde (ZYJ611), João Câmara RN, NOV 10 2104 - Local greetings for people in João Câmara; SINPO 32322. NOV 11 2331 - Ad string, stores in João Câmara, ID at 0005; SINPO 32332. NOV 13 2301 - ID "...Baixaverde, Joao Camara, Rio Grande del Norte".

1540 **BRAZIL** R. Santa Maria (ZYI694), Monteiro PB, NOV 11 2343 - Emerging briefly from under Baixa Verde, ID and event promo in Pernambuco; SINPO 22322. NOV 13 2237 - ID audible on tape replay

1540 **BRAZIL** R. Clube (ZYJ508), Paraíba do Sul RJ, NOV 12 0001 - ID by woman; SINPO 22322.

1540 **BRAZIL** R. Bandeirantes, unknown site, NOV 10 0618 - // 840 & 1170.

1550 **BRAZIL** R. Guarujá Paulista (ZYK590), Guarujá SP, NOV 11 0153 - Sports play-by-play, ID's; SINPO 33443.

1560 **BRAZIL** R. Educadora (ZYH526), Ribeira do Pombal BA, NOV 10 0148 - Ads for stores in Pombal, jingle ID; SINPO 34343. NOV 8 0058 - Music and talk, jingle ID's and wolf-whistles, which is a Globo-network gimmick; SINPO 34332. NOV 13 0309 - Sounded like religious songs, ID at 0313; SINPO 44434-3.

1570 **DOMINICAN REP.** R. Amanecer Internacional (HIAI), Jagungara, NOV 11 0106 - ID after music program. // 6025 kHz. SINPO 33333.

1590 **URUGUAY** R. Real (CX159), Colonia, NOV 13 0839 - Ad for store in Colonia; SINPO 23342.

1590 **BRAZIL** R. Globo (ZYJ823), Joinville SC, NOV 8 0440 - Globo whistles and slogans; SINPO 32342. NOV 10 0157 - Promos, whistles, "Globo" ID's; SINPO 23333.

1590.05 **BRAZIL** R. Correio do Vale, Itaporanga PB, NOV 10 0158 - Jingle ID, sign-off song "Boa noite mis amigos."; SINPO 23322.

1590.05 **BRAZIL** Globo, unknown station, NOV 10 2004 - heard frequently with no top of hour IDs. Perhaps the previous station?

1600 **PUERTO RICO** WLWZ, Bayamón, NOV 11 0159 - Humorous promos using slogan "Radio Oriente," call letter ID at 0203; SINPO 33343.

1620 **US VIRGIN ISLANDS** R. Marti, NOV 14 0344 - R.Marti program via WDHP, // 7405 kHz.

1640 **DOMINICAN REP.** R. Juventus Don Bosco, Santo Domingo, NOV 6 2305 - Upbeat religious tunes, solid ID at 2334; SINPO 23432.

AURORA LOG - DOMESTIC

910 **USA** WABI, BANGOR ME, NOV 10 0112.

970 **USA** WZAN, Portland ME, NOV 14 0520 - station promos, mention of local paper.

1080 **USA** WVCG, Coral Gables FL, NOV 14 0419 - Jamaican-accented host with talk and pop music, ID's at 0419 and 0429, man from North Carolina called to say he could hear WVCG, the host said he'd been researching long-distance AM reception and it was possible with the right antenna, but

he was surprised to be heard as far as NC. We should have called from NL! SINPO 23422.

1340 **CANADA** CKHV, Happy Valley NL, NOV 7 0759 - Labrador station with CBC Over-night, news at 0800; SINPO 34433.

1490 **USA** WBAE, Portland ME, NOV 10 0034 - "1400 & 1490 Music of Your Life".

1590 **USA** WARV, Warwick RI, NOV 10 0205.

1640 **USA** WTNI, Biloxi MS, NOV 7 0003 - Legal ID amidst sports coverage; SINPO 23342.

1690 **USA** WPTX, Lexington Park MD, NOV 10 0123 - CNN news

1700 **UNID** NOV 14 0312 - badly modulated FR program, Boston area pirate?

AURORA LOG - Non-Directional Beacons

201 **CANADA** ZYD, NS Glace Bay, NOV 9 1733.

203 **CANADA** KL, PQ Schefferville, NOV 9 1733.

219 **CANADA** ZQY, NS Bras D'or, NOV 9 1734.

230 **CANADA** GP, PQ Gaspé, NOV 9 1742.

241 **CANADA** 3E, offshore N. Triumph, NOV 9 1742.

270 **AZORES** FLO, Flores, NOV 9 1743.

270 **CAPE VERDE ISLANDS** SAL, NOV 9 2337.

276 **CANADA** YHR (with an extra _ _ _ . added to the R character)

320 **AZORES** SMA, Santa Maria, NOV 9 2338.

331 **AZORES** SC, NOV 10 0545.

335 **MADEIRA** PST, Porto Santo, NOV 9 2346.

341 **AZORES** GP, Lajes, NOV 13 0107.

345 **BARBADOS** BGI, NOV 10 0539.

354 **CANADA** ZZV, NOV 13 0107.

361 **ASCENSION** ASN, NOV 10 0539.

369 **ANTIGUA** ZDX, NOV 10 0536.

376 **CANARY ISLANDS** HR, Hierro, NOV 13 0125.

380 **AZORES** FIL, Horta, NOV 10 0000.

382 **TRINIDAD & TOBAGO** TRI, NOV 13 0125.

384 **ST. PIERRE ET MIQUELON** SPE (with extra dot added to SP), NOV 9 1830.

398 **BRAZIL** NTL, Natal, NOV 13 0145

402 **FRANCE** MQ, Miquelon, NOV 9 1830.

420 **AZORES** PI, NOV 9 2310.

1700 **BRAZIL** CRJ, NOV 10 0337.

Longwave was especially damaged by auroral noise, so most of these are re-logs.

SUMMARY: COUNTRIES HEARD ON DX'PED #14 (new in bold)

AFRICA: ALGERIA, ANGOLA, ASCENSION ISLAND, AZORES (LW), BOTSWANA, CANARY ISLANDS, CAPE VERDE (LW), DJIBOUTI, GUINEA, LESOTHO, MADEIRA, MAURETANIA, MOROCCO, MOZAMBIQUE, NIGER, NIGERIA, SOUTH AFRICA. **SWAZILAND**, TANZANIA, TUNISIA.

ASIA: CHINA, INDIA, IRAN, KUWAIT, **THAILAND**, UAE.

EUROPE: ALBANIA, FINLAND, CROATIA, FRANCE, GERMANY, GIBRALTAR, GREECE, KALINIGRAD, MACEDONIA, NETHERLANDS, NORTHERN IRELAND, NORWAY, RHODES, ROMANIA, SLOVENIA, SPAIN, UNITED KINGDOM, VATICAN CITY

NORTH AMERICA: BARBADOS, CANADA, CUBA, DOMINICAN REPUBLIC, GRENADA, MARTINIQUE, PUERTO RICO, ST. PIERRE ET MIQUELON (LW), USA.

SOUTH AMERICA: ARGENTINA, BOLIVIA, BRAZIL, CHILE, COLOMBIA, GUYANA, PARAGUAY, VENEZUELA, URUGUAY.



Jean Burnell strings a beverage antenna during the DXpedition.

Problems, Problems?

We can't solve all your woes, but we can solve your DX News problems. Torn, soiled, partially-printed, MIA, or worst of all, delivered in a USPS plastic baggie? No need to return the copy - just send a postcard to NRC - 2840 SE Illinois Ave. - Topeka, KS 66605, or e-mail to <plsBCBDXER@aol.com> and a replacement copy will be mailed free. Missing a back issue? Replacement copies from Vol. 56 on, to current NRC members only, are sent for the cost of first-class postage. You joined in the middle of the year and need to fill out a volume? Send \$1.00 per copy (postage paid). Quantities can be sent at the Media Mail rate.

See? No problem!

Graveyard Achievements

Bill Hale w_r_hale@sbcglobal.net

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

Distance records for stations logged on graveyard frequencies



Logged from Jan 1, 1960 to Present

Date of Last Update: February 23, 2005

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

indicates record held by a DXer in Alaska or Hawaii

Station	St	City	Dxer	DX Location	Miles
WEBJ	AL	Brewton	Bruce Conti	West Warwick, RI	1138
WPRN	AL	Butler	Ernie Wesolowski	Omaha, NE	768
WULA	AL	Eufaula	Steve Francis	Alcoa, TN	277
WOWL	AL	Florence	Ernie Wesolowski	Omaha, NE	639
WOWL	AL	Florence	Carl Dabelstein	Omaha, NE	(Tie) 639
WMGJ	AL	Gadsden	Karl Jeter	Stone Mountain, GA	103
WARF	AL	Jasper	Carl Dabelstein	Lincoln, NE	712
KJAA	AZ	Globe	Mike Sanburn	Bellflower, CA	435
KVRC	AR	Arkadelphia	Charles Reh	Leamington, ON	789
KTLO	AR	Mountain Home	John Malicky	Pittsburgh, PA	732
KWAK	AR	Stuttgart	Charles Reh	Leamington, ON	711
KPOD	CA	Crescent City	Sam Dellit	Brisbane, Queensland	7117
KPOD	CA	Crescent City	Tim Hall	Chula Vista, CA	*742
KOAD	CA	Lemoore	Phil Bytheway	Seattle, WA	792
KNRY	CA	Monterey	Tim Hall	Lynn Canal, AK	*1634
KNRY	CA	Monterey	Tim Hall	Between Victoria and San Juan Island, WA	#823
KNRY	CA	Monterey	Nancy Johnson	Aberdeen, WA	742
KNRY	CA	Monterey	Pete Taylor	Tacoma, WA	(Tie) 742
KPPC	CA	Pasadena	Mike Hardester	San Diego, CA	112
KLOA	CA	Ridgecrest	Carl Dabelstein	Tucson, AZ	450
KSAC	CA	Sacramento	Tim Hall	Chula Vista, CA	480
KEZY	CA	San Bernardino	Tim Hall	The Sea Ranch, CA	470
KSON	CA	San Diego	Phil Bytheway	Seattle, WA	1067
KSMA	CA	Santa Maria	Phil Bytheway	Seattle, WA	880
KSUE	CA	Susanville	Olle Alm	Abisko, Sweden	4643
KSUE	CA	Susanville	John Wilkins	Wheat Ridge, CO	*822
KRDO	CO	Colorado Springs	John Wilkins	West Des Moines, IA	621
KDGO	CO	Durango	Tim Hall	Ajo, AZ	444
KSLV	CO	Monte Vista	Phil Bytheway	Seattle, WA	1072
KCRT	CO	Trinidad	John Johnson	Sh Sheridan, WY	544
WWCO	CT	Waterbury	Jeff Falconer	Clinton, ON	454
WBGC	FL	Chipley	Don Trelford	Scarborough, ON	952
WDFL	FL	Cross City	Russ Johnson	Lexington, NC	461
WEUS	FL	Eustis	Shawn Axelrod	Orlando, FL	28
WINK	FL	Fort Myers	Barry McLarnon	Ottawa, ON	1339
WMMB	FL	Melbourne	Mauricio Molano	Madrid, Spain	4337
WMMB	FL	Melbourne	Barry McLarnon	Ottawa, ON	*1224
WFOY	FL	St. Augustine	UK DXPedition £	Sheigra, Scotland	3991
WFOY	FL	St. Augustine	Andy Rugg	Montreal, QC	*1157
WBHB	GA	Fitzgerald	Ernie Wesolowski	Omaha, NE	971
WDUN	GA	Gainesville	Carl Dabelstein	Lincoln, NE	833
WLAG	GA	La Grange	Dave Whatmough	Hamilton, ON	650
WDDO	GA	Macon	Don Trelford	Runaway Bay, Jamaica	1072
WBML	GA	Macon	Steve Francis	Alcoa, TN	*205
WWNS	GA	Statesboro	Carl Dabelstein	Lincoln, NE	1014
WPAX	GA	Thomasville	Morris Sorensen	Scarborough, ON	920
WTWA	GA	Thomson	Don Trelford	Runaway Bay	1090

WTWA	GA	Thomson	Steve Francis	Alcoa, TN	*180
KLEI	HI	Kailua	Eric McIntosh	Invercargill, NZ	5142
KVNI	ID	Coeur d'Alene	Phil Bytheway	Seattle, WA	262
KMCL	ID	Donnelly	Paul LaFreniere	Grand Marais, MN	1241
KFLI	ID	Mountain Home	Tim Hall	Page, AZ	486
KWIK	ID	Pocatello	Esa Hänninen	Lemmenjoki, Finland	4440
KWIK	ID	Pocatello	LEM96	Lemmonjoki, Finland	(Tie) 4440
KWIK	ID	Pocatello	Tim Hall	Tombstone, AZ	*786
KOFE	ID	St. Maries	Tim Hall	Burrard Inlet, BC	337
WCRW	IL	Chicago	Charles Reh	Leamington, ON	264
WEDC	IL	Chicago	MB DXPedition &	Arnes, MB	741
WSBC	IL	Chicago	Barry McLarnon	Ottawa, ON	643
WEBQ	IL	Harrisburg	Jeff Falconer	Clinton, ON	549
WTAX	IL	Springfield	Ernie Cooper	Provincetown, MA	1029
WSDR	IL	Sterling	Barry McLarnon	Ottawa, ON	736
WHBU	IN	Anderson	Barry McLarnon	Ottawa, ON	619
KDEC	IA	Decorah	Wayne Heinen	Buffalo, NY	659
KWLC	IA	Decorah	Carl Dabelstein	Lincoln, NE	303
KBIZ	IA	Ottumwa	Charles Reh	Leamington, ON	512
KICD	IA	Spencer	Esa Hänninen	Lemmenjoki, Finland	4151
KICD	IA	Spencer	LEM96	Lemmonjoki, Finland	(Tie) 4151
KICD	IA	Spencer	Charles Reh	Leamington, ON	*644
KIUL	KS	Garden City	Esa Hänninen	Lemmenjoki, Finland	4580
KIUL	KS	Garden City	MB DXPedition &	Arnes, MB	*898
KNSS	KS	Wichita	Esa Hänninen	Lemmenjoki, Finland	4536
KNSS	KS	Wichita	MB DXPedition &	Arnes, MB	*924
WHIR	KY	Danville	Barry McLarnon	Ottawa, ON	705
WINN	KY	Louisville	Barry McLarnon	Ottawa, ON	709
WFTM	KY	Maysville	Charles Reh	Leamington, ON	243
WPKE	KY	Pikeville	Ernie Wesolowski	Omaha, NE	771
WSFC	KY	Somerset	Ernie Wesolowski	Omaha, NE	679
WSFC	KY	Somerset	Carl Dabelstein	Omaha, NE	(Tie) 679
KASO	LA	Minden	Tim Hall	Irving, TX	214
KANE	LA	New Iberia	Jerry Starr	Youngstown, OH	991
WTME	ME	Lewiston	Ron Musco	Windsor, CT	197
WMKR	ME	Millinocket	Ron Schiller	Monmouth Beach, NJ	455
WCEM	MD	Cambridge	Barry McLarnon	Ottawa, ON	469
WJEJ	MD	Hagerstown	Karl Jeter	Stone Mountain, GA	540
WHAI	MA	Greenfield	Denis Picard	Trois-Rivières-Ouest, QC	259
WOCB	MA	West Yarmouth	NF DXPedition #4 Team	Cappahayden, NF	927
WATT	MI	Cadillac	MB DXPedition &	Arnes, MB	706
WCNY	MI	Cheboygan	Carl Dabelstein	Lincoln, NE	698
WJPD	MI	Ishpeming	Barry McLarnon	Ottawa, ON	577
WJIM	MI	Lansing	UK DXPedition ££	Sheigra, Scotland	3426
WJIM	MI	Lansing	Shawn Axelrod	Winnipeg, MB	*771
WGGR	MN	Hibbing	John Malicky	Pittsburgh, PA	797
KKRK	MN	Park Rapids	Carl Dabelstein	Omaha, NE	390
WJON	MN	St. Cloud	Morris Sorensen	Leaf Rapids, MB	845
WMPA	MS	Aberdeen	Jerry Starr	Youngstown, OH	664
WGRM	MS	Greenwood	Frank Merrill	Milan, MI	690
WGCM	MS	Gulfport	Frank Merrill	Milan, MI	864
WMDX	MS	Meridian	Ernie Wesolowski	Omaha, NE	737
WMIS	MS	Natchez	Charles Reh	Leamington, ON	873
WAVN	MS	Southaven	Tim Hall	Memphis, TN IAP	5
KFMO	MO	Flat River	Charles Reh	Leamington, ON	510
KWOS	MO	Jefferson City	Esa Hänninen	Lemmenjoki, Finland	4385
KWOS	MO	Jefferson City	Shawn Axelrod	Winnipeg, MB	*806
KNEM	MO	Nevada	Shawn Axelrod	Hecla Island, MB	928
KUUS	MT	Billings	Esa Hänninen	Lemmenjoki, Finland	4190
KMZZ	MT	Billings	Tim Hall	Jackson, WY	*193
KLTZ	MT	Glasgow	Esa Hänninen	Lemmenjoki, Finland	4001

KLTZ	MT	Glasgow	Roy Millar	Marysville, CA	*726
KLYQ	MT	Hamilton	Phil Bytheway	Seattle, WA	397
KBLL	MT	Helena	Carl Dabelstein	Omaha, NE	881
KFOR	NE	Lincoln	Esa Hänninen	Lemmenjoki, Finland	4321
KFOR	NE	Lincoln	MB DXpedition &	Arnes, MB	*681
KODY	NE	North Platte	Esa Hänninen	Lemmenjoki, Finland	4372
KODY	NE	North Platte	Shawn Axelrod	Winnipeg, MB	*614
KODY	NE	North Platte	Morris Sorensen	Winnipeg, MB	(Tie) *614
KELK	NV	Elko	Frank Merrill	Nenana, AK	#2107
KELK	NV	Elko	Tim Hall	Chula Vista, CA	*572
WFTN	NH	Franklin	Bob McCoy	Lincoln, NE	1293
WSNJ	NJ	Bridgeton	Charles Reh	Leamington, ON	424
KLTN	NM	Albuquerque	Tim Hall	Chula Vista, CA	626
KAMQ	NM	Carlsbad	Ernie Wesolowski	Omaha, NE	758
KCLV	NM	Clovis	Tim Hall	Chula Vista, CA	809
WGBB	NY	Freeport	Charles Reh	Leamington, ON	475
WGVA	NY	Geneva	Joe Kureth	Uniontown, MD	234
WJTN	NY	Jamestown	John Wilkins	West Des Moines, IA	747
WVOS	NY	Liberty	Barry McLarnon	Ottawa, ON	253
WNBZ	NY	Saranac Lake	Morris Sorensen	Scarborough, ON	266
WSNY	NY	Schenectady	Jeff Falconer	Clinton, ON	384
WATN	NY	Watertown	Joe Kureth	Southern Pines, NC	636
WPNF	NC	Brevard	Joe Kureth	Uniontown, MD	433
WIST	NC	Charlotte	Andy Rugg	Montreal, QC	807
WCNC	NC	Elizabeth City	Barry McLarnon	Ottawa, ON	627
WJNC	NC	Jacksonville	Andy Rugg	Montreal, QC	770
WPLJ	NC	Raleigh	Russ Edmunds	Parsippany, NJ	419
WWWC	NC	Wilkesboro	Russ Edmunds	Blue Bell, PA	423
KDLR	ND	Devils Lake	Morris Sorensen	Amaranth, MB	172
WBBW	OH	Youngstown	Andy Rugg	Montreal, QC	468
WHIZ	OH	Zanesville	Barry McLarnon	Ottawa, ON	490
KVSO	OK	Ardmore	John Wilkins	Wheat Ridge, CO	585
KADS	OK	Elk City	Bill Hale	Mountain Home, ID	1027
KOKL	OK	Okmulgee	Karl Jeter	Stone Mountain, GA	682
KFLY	OR	Corvallis	Esa Hänninen	Lemmenjoki, Finland	4445
KFLY	OR	Corvallis	John Johnson	Sheridan, WY	*799
KEJO	OR	Corvallis	Tim Hall	Chatham Strait, AK	#974
KTIX	OR	Pendleton	Olle Alm	Abisko, Sweden	4259
KKID	OR	Pendleton	John Johnson	Sheridan, WY	*579
KPRB	OR	Redmond	Phil Bytheway	Seattle, WA	236
KQEN	OR	Roseburg	MB DXpedition &	Valhalla Beach, MB	1356
WRTA	PA	Altoona	Steve Francis	Alcoa, TN	445
EBS	PA	Philadelphia	Dan Phillips	Clinton, TN	630
WHUM	PA	Reading	Steve Francis	Alcoa, TN	438
WSEW	PA	Selinsgrove	Marc DeLorenzo	Hyannis, MA	347
WBAX	PA	Wilkes-Barre	Steve Francis	Alcoa, TN	577
WWON	RI	Woonsocket	Joe Kureth	Uniontown, MD	331
WLSC	SC	Loris	Barry McLarnon	Ottawa, ON	800
WKDK	SC	Newberry	Jeff Falconer	Clinton, ON	645
WDXY	SC	Sumter	Russ Edmunds	Parsippany, NJ	581
KCCR	SD	Pierre	Esa Hänninen	Lemmenjoki, Finland	4156
KCCR	SD	Pierre	Dave Whatmough	Hamilton, ON	*1022
WBEJ	TN	Elizabethton	Carl Dabelstein	Omaha, NE	821
WBEJ	TN	Elizabethton	Ernie Wesolowski	Omaha, NE	(Tie) 821
WEKR	TN	Fayetteville	Carl Dabelstein	Lincoln, NE	673
WBIR	TN	Knoxville	Andy Rugg	Montreal, QC	851
WKDA	TN	Nashville	Andy Rugg	Montreal, QC	936
WEDG	TN	Soddy-Daisy	Ernie Wesolowski	Omaha, NE	723
WENK	TN	Union City	Harry Hayes	Gouldsboro, PA	780
KVLF	TX	Alpine	John Wilkins	Fort Davis, TX	21

KEAN	TX	Brownwood	John Wilkins	West Des Moines, IA	738
KORA	TX	Bryan	Frank Merrill	Milan, MI	1058
KXIT	TX	Dalhart	John Wilkins	Wheat Ridge, CO	291
KOCA	TX	Kilgore	Ernie Wesolowski	Omaha, NE	614
KSOK	TX	Raymondville	Tim Hall	Houston, TX	272
KXOX	TX	Sweetwater	Charles Reh	Leamington, ON	1178
WSKI	VT	Montpelier	Joe Kureth	Uniontown, MD	397
WSSV	VA	Petersburg	Andy Rugg	Montreal, QC	604
WROV	VA	Roanoke	Andy Rugg	Pointe Claire, QC	654
WTON	VA	Staunton	Andy Rugg	Montreal, QC	581
KCVL	WA	Colville	Olle Alm	Abisko, Sweden	4066
KCVL	WA	Colville	Tim Hall	Chatham Sound, BC	*695
KXLE	WA	Ellensburg	Olle Alm	Abisko, Sweden	4201
KXLE	WA	Ellensburg	Shawn Axelrod	Winnipeg, MB	*1087
KGY	WA	Olympia	Lynn Canal, AK	Winnipeg, MB	#944
KGY	WA	Olympia	Tim Hall	Chatham Sound, BC	*631
WKOY	WV	Bluefield	Morris Sorensen	Emsdale, ON	580
WTIP	WV	Charleston	Niel Wolfish	Toronto, ON	386
WBES	WV	Dunbar	Barry McLarnon	Ottawa, ON	571
WDNE	WV	Elkins	Barry McLarnon	Ottawa, ON	492
WOMT	WI	Manitowoc	Shawn Axelrod	Valhalla Beach, MB	635
WIBU	WI	Poynette	Barry McLarnon	Ottawa, ON	686
WOBT	WI	Rhineland	Jerry Starr	Youngstown, OH	542
WJMC	WI	Rice Lake	Barry McLarnon	Ottawa, ON	775
KFBC	WY	Cheyenne	MB DXpedition &	Arnes, MB	761
KEVA	WY	Evanston	Tim Hall	Chula Vista, CA	684
KASL	WY	Newcastle	Mike Hardester	Mocula, CA	976
KRAL	WY	Rawlins	Ernie Wesolowski	Omaha, NE	578
KRAL	WY	Rawlins	Carl Dabelstein	Omaha, NE	(Tie) 578
KTHE	WY	Thermopolis	Nancy Johnson	Aberdeen, WA	791
WALO	PR	Humacao	Cesar Objio	Santo Domingo, Dominican Republic	268
CKBX	BC	100 Mile House	Nancy Johnson	Aberdeen, WA	343
CFVR	BC	Abbotsford	Nancy Johnson	Aberdeen, WA	158
CFEK	BC	Fernie	Phil Bytheway	Seattle, WA	369
CKGO	BC	Hope	Tim Hall	Banff, AB	288
CKMK	BC	Mackenzie	Frank Merrill	Nenana, AK	#1089
CKMK	BC	Mackenzie	Tim Hall	Jasper, AB	*267
CJOR	BC	Osoyoos	Tim Hall	Jasper, AB	270
CBXX	BC	Pemberton	Shawn Axelrod	Victoria, BC	134
CJAV	BC	Port Alberni	Tim Hall	Fitz Hugh Sound, BC	*222
CJAV	BC	Port Alberni	Tim Hall	Clarence Strait, AK	#539
CFNI	BC	Port Hardy	Frank Merrill	Nenana, AK	1237
CFNI	BC	Port Hardy	Tim Hall	Milbanke Sound, BC	*168
CJAR	MB	The Pas	Esa Hänninen	Lemmenjoki, Finland	3545
CJAR	MB	The Pas	Shawn Axelrod	Valhalla Beach, MB	*276
CKIM	NF	Baie Verte	Esa Hänninen	Siiilinjärvi, Finland	3071
CKIM	NF	Baie Verte	Jean Burnell	St. John's, NF	*227
CJCD	NT	Yellowknife	UK DXpedition £	Sheigra, Scotland	3277
CJCD	NT	Yellowknife	Morris Sorensen	Leaf Rapids, MB	*653
CFAK	ON	Atikokan	Shawn Axelrod	Winnipeg, MB	259
CJNH	ON	Bancroft	Jeff Falconer	Clinton, ON	217
CBEZ	ON	Britt	Morris Sorensen	Emsdale, ON	71
CJCS	ON	Stratford	Russ Edmunds	Blue Bell, PA	369
CJWA	ON	Wawa	Morris Sorensen	God's Lake Narrows, MB	935
CJRW	PI	Summerside	Esa Hänninen	Lemmenjoki, Finland	3284
CJRW	PI	Summerside	Russ Edmunds	Jonesport, ME	*228
CJAF	QC	Cabano	Esa Hänninen	Lemmenjoki, Finland	3363
CJAF	QC	Cabano	Shawn Axelrod	Valhalla Beach, MB	*1268
CJMD	QC	Chibougamau	Barry McLarnon	Ottawa, ON	321
CIRB	QC	Lac-Etchemin	Christian DeHaes	Chicoutimi, QC	141
CKLS	QC	La Sarre	Esa Hänninen	Lemmenjoki, Finland	3479

CKLS	QC	La Sarre	MB DXPedition&	Arnes, MB	*800
CKLM	QC	La Tuque	Joe Kureth	Uniontown, MD	584
CFLS	QC	Levis	Paul Mount	Teaneck, NJ	450
CKBS	QC	St.-Hyacinthe	Ron Schiller	Monmouth Beach, NJ	370
CJNS	SA	Meadow Lake	Esa Hänninen	Lemmenjoki, Finland	3637
CJNS	SA	Meadow Lake	Shawn Axelrod	Shawnee, MO	*570
ZNS2	BF	Nassau	Charles Reh	Leamington, ON	1208
CMGW	CU	Matanzas	Ron Schiller	Lighthouse Point, FL	244
HICV	DR	Barahona	Don Trelford	Runaway Bay, Jamaica	463
4V5J	HA	Port-au-Prince	Morris Sorensen	Runaway Bay, Jamaica	324
XEWG	CH	Ciudad Juarez	Tim Hall	US 6/50 near the NV border, UT	663
XEVM	CI	Piedras Negras	Jim Boehm	San Antonio, TX	136
XESI	NA	Santiago Ixcuintla	Pete Taylor	Cabo San Lucas, BCS	308
XEIS	NL	Monterrey	Jim Boehm	San Antonio, TX	287
XEBQ	SO	Guaymas	Tim Hall	Poway, CA	503
XECG	SO	Nogales	Tim Hall	Rancho Bernardo, CA	375
XES	TA	Tampico	Jim Boehm	San Antonio, TX	504
TGK	GT	Guatemala City	Niel Wolfish	Toronto, ON	2106
ZYH654	BR	Candinde	UK DXPedition £	Sheigra, Scotland	4731
ZYH90	BR	Joinville	Pete Taylor	Rio de Janeiro, Brazil	422
ZY1774	BR	Recife	Pete Taylor	Cape Town, South Africa	3817
YVLQ	VE	La Victoria	Tim Hall	Crane Beach, Barbados	574
—	Chn	Shenyang	Pete Taylor	San Francisco, CA	5553
JOTK	JPN	Matsue	Pete Taylor	San Francisco, CA	5444

- UK DXPedition £ = [Steve Whitt, Mark Hattam, Clive Rooms]
- UK DXPedition ££ = [Mark Hattam, Clive Rooms, Dave Kenny and Martin Hall]
- MB DXPedition & = [Shawn Axelrod, Wayne McRae]
- NF DXPedition #4 Team = [Jean Burnell, David Clark, Mark Connelly, Bruce Conti, Neil Kazaross, Jim Renfrew]
- LEM96 = [Mika Makelainen and Jorma Mantyla]

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The 9th Edition of the IRCA Mexican Log lists all AM stations in Mexico by frequency, including call letters, state, city, day/night power, slogans, schedule in UTC/GMT, formats, networks and notes. The call letter index gives call, frequency, city and state. The city index (listed by state, then city) includes frequency, call and day/night power. The log has been completely updated from the 2002 edition and carefully cross-checked by several IRCA members. This is an indispensable reference for anyone who hears Mexican radio stations. Size is 8 1/2" x 11" and three hole punched for easy binding. Prices: NRC/IRCA members - \$9.50 (US/Canada/Mexico/seamail), \$10.50 (rest of the Americas airmail), \$11.00 (Europe/Asia airmail), \$11.50 (Australia/New Zealand airmail). Non-members: add \$2.50 to the above prices.

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Target DX

R. J. Edmunds

753 Valley Rd. wb2bjh@nrcdxas.org

Blue Bell, PA 19422-2052

DX'ing 'smart', with shared tips and requests by NRC members

Welcome to another edition of Target DX! This time, we'll discuss the WWV geomagnetic data reports, how to understand them, and what the different terms mean.

Geomagnetic activity broadcasts

The NOAA's Geophysical Alert Broadcasts are aired at 18 minutes past each hour over the U. S. National Institute of Standards and Technology radio station WWV in Ft. Collins, Colorado and at 45 minutes past each hour via WWVH on the island of Kauai in Hawaii. WWV broadcasts continuously on shortwave frequencies of 2.5, 5, 10, 15, and 20 MHz and WWVH broadcasts on 2.5, 5, 10 and 15 MHz. The broadcast text is updated every three-hours beginning at 0000 UTC. These broadcasts are produced by the National Oceanic and Atmospheric Administration's Space Environment Services Center (SESC). This center operates a worldwide network of sensors, which continuously observe conditions between the earth and the sun.

We'll start by quoting the text of a WWV broadcast (the text of these broadcasts is also available on the Internet, but more on that later). Next, we'll look at the definitions of the terms in italics. Some of these definitions are taken from those provided on the website, albeit in some cases with some editing:

"Solar-terrestrial indices for 4 January follow. *Solar flux* 175 and *Boulder A-index* 11. The *Boulder K-index* at 1200 UTC on 5 January was 0. Solar-terrestrial conditions for the last 24 hours follow. *Solar activity* was low. The *geomagnetic field* was quiet to active. The forecast for the next 24 hours follows. Solar activity will be low to moderate. The geomagnetic field will be quiet to *unsettled*."

SOLAR FLUX. Solar Flux is a measurement of the intensity of solar radio emissions at a frequency of 2800 MHz made using a radio telescope located in Ottawa, Canada. These emissions have been shown to be proportional to sunspot activity, and are also responsible for causing ionization in the earth's upper atmosphere. These emissions produce the ionized 'layers' involved in propagating radio signals over long distances. Solar flux is reported in solar flux units (s. f. u.), which range from a theoretical minimum of approximately 67 to greater than 300.

A INDEX. A 3-hourly "equivalent amplitude" index of local geomagnetic activity; "Ap" is used to designate an equivalent planetary value based upon multiple local-site readings. The "a" is derived from the 3-hourly *K-index*.

K INDEX. A 3-hourly quasi-logarithmic local index of geomagnetic activity relative to an assumed quiet-day curve for the recording site. Range is from 0 to 9.

SOLAR ACTIVITY. Solar activity is a measure of energy releases in the solar atmosphere, generally observed by X-ray detectors on earth-orbiting satellites. Such energy is that which can or might be anticipated to cause disruptions or degradations to radio propagation on earth. Large solar x-ray outbursts can produce sudden and extensive ionization in the lower regions of the earth's ionosphere, which can rapidly increase signal absorption there. Occurring on the sun-facing side of the Earth, these 'sudden ionospheric disturbances' (SID's) can degrade radio communications for from minutes to hours. Since the sun rotates once approximately every 27 days, periods of disruption may recur at about this interval as a result.

Following are some additional definitions included in these reports as indicated by conditions at the time relating to Solar Activity:

ACTIVE. Solar activity levels with at least one geophysical event or several larger radio events per day

PROTON FLARE. Any flare producing significant fluxes of protons in the vicinity of the earth.

QUIET. Solar activity levels with less than one energetic event per day

SOLAR FLARE. A sudden eruption of energy on the solar disk lasting minutes to hours, from which radiation and particles are emitted. This is one type of energetic event, which can subsequently result in increased geomagnetic activity.

GEOMAGNETIC FIELD. The magnetic field which surrounds the earth where auroral conditions may result from specific types of solar activity.

GEOMAGNETIC ACTIVITY. As an overall assessment of natural variations in the geomagnetic field, six standard terms are used in reporting geomagnetic activity. The terminology is based on the estimated A index for the 24-hour period directly preceding the time the broadcast was last updated:

Category Range of A-index	
Quiet	0-7
Unsettled	8-15
Active	16-29
Minor storm	30-49
Major storm	50-99
Severe storm	100-400



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So, what the previous broadcast told us would be: *Solar flux* is about average, the A-index indicates average conditions. The K-index of 0 suggests that conditions might be improving. The sun was relatively inactive during the preceding 24 hours, which indicates that no major disturbances are likely the following day, either. The geomagnetic field conditions were variable during the preceding period. Predicted solar activity continues to suggest no disturbances, although the geomagnetic field will continue to be variable. These are very ordinary conditions, with the immediate next few days likely to show a slight improvement.

Below are some additional definitions of terms used in the broadcasts as conditions warrant:

SOLAR WIND. This is the outward flow of solar particles and magnetic fields from the sun. The velocity of the solar wind often increases dramatically as a result of certain solar energetic events. This in turn can spark increased activity in the earth's geomagnetic field, or even aurora.

SUNSPOT NUMBER. A daily index of sunspot activity.

As a predictor of future conditions, remember that it takes roughly three days for activity on the sun to create an adverse effect on earth, and that the best Trans-Atlantic DX conditions are produced by several successive days of A indices below 8, and no values over 30 within the past 2-3 weeks. On the other hand, heavy activity on the sun doesn't always lead to disturbed conditions. Disturbances are less likely when they are produced by sunspots or sunspot groups located near the edges of the sun's disk (or face).

As we noted earlier, you can access the text of the current transmission via the Internet as well as by broadcast. The URL for this is <http://www.sec.noaa.gov/radio/radio.html>. From this page, select the option for "Latest Geophysical Alert Message - WWV Broadcast". More detailed information can be found under the options for "Report of Solar & Geophysical Activity" and "Solar & Geophysical Activity Summary".

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Musings

of the Members

Dave Schmidt NRCMusings@aol.com
 P. O. Box 3111
 Scranton, PA 18505-0111

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

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.

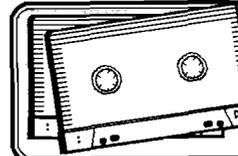
Here is the NRC column which matches the excitement of White Out! When sending your items along, please keep them radio and DX related, items of interest to the membership! And remember, we will only accept Infomercials on Hammerland equipment. Here we go:

Bill Dvorak-501 Algoma Street-Madison WI 53704-4812 <dxeak@aol.com>

Having just turned the Big Six-Oh, I thought that I had better muse before the days dwindle down to a precious few, IBOC destroys our hobby, or both! I started DXing when I was 11 years old, and for the first few years thought I was the only one clever enough to have "invented" such a great hobby. The first phase of my DX life lasted until I was 24. Job and family pulled me in other directions for the next few years, but in 1982 I took a renewed interest in DX. At first I was very active in SW, then in 1989 started FM DXing, and in 1991 returned to my first love, AM BCB DX. The best discovery that I made in Phase Two is that I am not alone, that DX is an organized hobby pursued by many fine people. I have been a member of the NRC since 1993 and also belong to WTFDA and NASWA. Good citizenship in the DX community to me means doing what you can to give back what you have received. I am very proud of my role in helping establish and the Madison-Milwaukee Get-together for DXers and Radio Enthusiasts, a one-day all-band event that takes place every third Saturday in August. My wife Nina and I are the hosts for this year's event, the 12th annual, which takes place in Madison on August 20. You will see more publicity for this in future DXN's, or if you want information before then please contact me at either address listed above. At the beginning of the year, I became DDXD-West editor. After a long career in food processing quality control, I am now happily retired. My retirement presents to myself were a Drake R8B and a Quantum QX Pro loop. Life is good! 73. (Always good to hear from our other column editors, and best of luck with your column, Bill!-DWS)

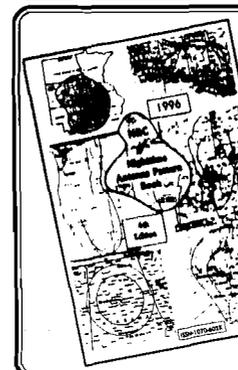
Dave Schmidt - P O Box 3111 - Scranton, PA 18505-0111

Our season is just about coming to an end, but there is still some interesting things to catch! How about putting together a wrap up of your DX season and let us know how it went for you? We're still keeping a very hectic pace with the radio work here, stations still need servicing, even in the cold! Be glad you are on the warm receiving end! Let's here from you!



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