

# DX News

*Serving DX'ers since 1933*



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**From the Publisher:** With the joint NRC-IRCA-WTFDA-MDXC convention falling on our originally scheduled deadline for the next issue, we will be *six* weeks between this and our next issue. That may be something close to a record, so please don't forget about the NRC in the meantime! It may be hot outside today, but the DX will be hot soon enough.

We'll have the Volume 81 schedule ready for the next issue ... for now remember deadlines:

### **VOL. 80 DX NEWS PUBLISHING SCHEDULE**

| No | In By  | Date    | No | In By   | Date     |
|----|--------|---------|----|---------|----------|
| 29 | Aug. 9 | Aug. 19 | 30 | Sept. 6 | Sept. 16 |

### **Convention 2013 "Learning and Sharing":**

The agenda is set for the combined DX-club Convention in Minneapolis, August 1 to 4. It's not too late to register!

Thursday 8/1 is gathering day, reserved for optional Twins-Kansas City baseball, a visit to the Mall of America and an evening DX-Pedition.

"Learning and Sharing" begins Friday with a robust series of presentations from leaders in the DX world. We'll learn how to chase sunset skip, find out how to deal with interference on small antennas and get a hands-on look at the revolutionary "FSL" antenna.

At an *optional* Friday lunch we'll learn about 21st-century antenna technology and see how an aerospace company communicates with tactical weaponry. The afternoon will find us at the marvelous Museum of Broadcasting watching a demonstration of a Spark Gap transmitter and touching and feeling radio and TV equipment from the past century of broadcasting. We'll hear about the "DX Fishbarrel," share a presentation on Don Moman's Canadian antenna farm, and learn about advancements in medium-wave antennas. The afternoon concludes with an on-line review and discussion of what we learned.

Friday evening we'll enjoy a "pizza-fest" at the museum while we hold our club business meetings and we'll share a story on DX-ing in the desert. The evening ends with an open discussion on the future of the DX Clubs and

what you can do to help keep them moving ahead.

Saturday we follow two fellows in search of 'the perfect loop antenna,' see what's going on in the bands above medium wave, get an update on today's short-wave picture and discuss the Ultralight hobby with demonstrations and success stories. The afternoon is devoted to "show-and-tell" and our Saturday evening Banquet will feature as Guest Speaker long-time broadcaster and recent DX-er Dean Sorenson. The banquet is followed by the world-famous Auction ... bigger than ever.

There's more: Sunday morning comes The Great DX Quiz with fantastic prizes for the know-it-alls. And Scott Fybush will present his updated Tower Tour. Station tours may be set up if there's enough *advance* interest, and the Minnesota Twins are hosting the Houston Astros at Target Field.

If the Thursday or Sunday games interests you we'll get you to the train for easy transportation to the action; for tickets for these sometimes sold-out games, waste no time in calling 1-800-33TWINs or go to the ticket website.

You can still register! Send snail-mail with \$45 to **National Radio Club, PO Box 473251, Aurora, CO 80047-3251 USA** or go on-line at [www.nrcdxas.org](http://www.nrcdxas.org)

**Madison/Milwaukee GTG:** This year the 20th annual Madison-Milwaukee Get-Together returns to the Milwaukee area. It will be held on Saturday, August 17, 2013, in safe and friendly Oak Creek (in southern Milwaukee county). This is an all-band event, open to radio hobbyists of all interests. For more information, contact your hosts, Tim and Jill Noonan, at <DXing2@aol.com> or 414 813-7373.

### **Membership Report**

**New Member** – Welcome to Larry Fussell, Brewton, AL.

**Renewing Members** – Thanks for the continued support of Paul Gray; Willard G. Hoffmann; Michael Hunter; Martin M. Wishnewitz; Niel G Zank.

# AM Switch

Info to David Yocis – 1245 13th St. NW #105, Washington DC 20005 – NRCDXNews@gmail.com

It's been a while since our last issue, so the FCC has been busy ... let's start there.

## CALL CHANGES

### *Existing Stations:*

- 770 WWCN FL North Fort Myers – Call change to WJBX.  
 1010 WFGW NC Black Mountain – Call change to WLYT.  
 1250 WNEM MI Bridgeport – Call change to WHHQ (now Catholic, "Hail Holy Queen").  
 1400 WLSB TN Copperhill – Call change to WLYY (station is silent).  
 1550 WLFP PA Braddock – Call change to WZUM.

### *New Station CPs:*

- 830 CP OR Grants Pass – Assigned calls of KBLN.



## ON THE AIR

- 980 KMIN NM Grants – CP for U1 5000/230 (ex-U1 1000/250) from new site 35-05-51/107-52-31 is on the air.  
 1330 KTON TX Cameron – Applies for license to cover CP for U4 2400/130 (now U1 500/97) from new site 31-06-44/97-17-48.  
 1380 KRKO WA Everett – CP for U2 34000/5000 (ex-U2 5000/5000) is on the air.  
 1460 WQXM FL Bartow – CP for U5 10000/155 (ex-U1 1000/155) is on the air.  
 1520 KKXA WA Snohomish – CP for U6 50000/50000 (now U6 20000/50000) is on the air.

## CONSTRUCTION PERMITS GRANTED – NEW STATIONS

- 1190 New NC Red Oak – Granted CP for new station, U2 9200/1000.  
 1310 New AK Anchorage – Granted CP for new station, U1 10000/8100.  
 1360 New CA Santa Maria – Has CP for new station with U4 2000/2000, granted modification of CP to U2 650/500 on 1380 kHz. This CP expires August 18.

## CONSTRUCTION PERMITS GRANTED – EXISTING STATIONS

- 730 WZGV NC Cramerton – Has CP for U1 10000/178, granted modification to U1 10000/165.  
 940 WCPC MS Houston – Granted CP for U4 31000/7 (same two tower pattern day and night) from existing site, corrected coordinates to 33-55-43/89-00-35.  
 1010 WLYT NC Black Mountain – Granted CP for U1 47000/90 at new site 35-35-29/82-24-53.  
 1290 WTKS GA Savannah – Granted CP for U2 5300/5000, new night pattern, from existing site, corrected coordinates to 32-05-21/81-08-46.  
 1360 WELR AL Roanoke – Granted CP for new site at 33-11-02/85-24-21, stays U1 1000/54.  
 1450 WBVA VA Bayside – Granted CP for new site 36-51-14/76-10-13, stays U1 1000/1000.  
 1470 WMGG FL Dunedin – Granted CP for U4 2800/800, CoL to Egypt Lake FL, from new site 28-00-42/82-29-53 (replaces expired CP).  
 1550 WVAB VA Virginia Beach – Granted CP for U1 4500/8 from new site 36-51-14/76-10-13.  
 1590 WCGO IL Evanston – Has CP for U2 7200/2000, granted modification to stay at U2 7200/2500 but modify pattern.

## APPLICATIONS FOR CONSTRUCTION PERMITS

- 810 WRSO FL Orlavista – Has application for U4 10000/1000, now amends that application to U4 20000/1000  
 1110 WTIS FL Tampa – Applies for U4 10000/150 on 1100 kHz, from existing site, corrected coordinates to 27-52-29/82-37-52.  
 1150 WSNW SC Seneca – Applies for U1 5000/58 from existing site.  
 1210 KGYN OK Guymon – Applies for U7 50000/10000 (ch 39000), correcting to 36-40-34/101-22-57.  
 1400 WFLA FL Fort Lauderdale – Applies for new site, 26-10-25/80-09-28, stay U1 1000/1000.  
 1410 WMSX MA Brockton – Applies for U1 610/25, CoL to Dedham MA, from new site at 42-14-05/71-08-13.

## AUXILIARY TRANSMITTERS

- 1000 WMVP IL Chicago – Granted CP for auxiliary transmitter, D1 12000 from alternate site.

CPs EXPIRING/APPS DISMISSED – NEW STATIONS

|      |      |    |  |
|------|------|----|--|
| 540  | WXNH | NH | <b>Jaffrey</b> – This CP for a new station expired years ago but was subject to appeal; now finally deleted from the FCC database. |
| 1020 | New  | AL | <b>Chickasaw</b> – Application dismissed for new station with U2 10000/250.  |
|      | New  | LA | <b>Blanchard</b> – Application dismissed for new station with U4 5000/250.   |
|      | New  | TX | <b>Tyler</b> – Application dismissed for new station with U4 5000/350.   |
| 1030 | CP   | OR | <b>La Grande</b> – CP for U2 1000/600 new station expired and is deleted.  |
| 1230 | New  | HI | <b>Millani Town</b> – Application dismissed for new station with U1 1000/1000.   |
| 1310 | CP   | CA | <b>Bakersfield</b> – CP for new station with U4 1400/2500 expired and is deleted.  |
| 1330 | CP   | CA | <b>Porterville</b> – CP for new station with U4 1000/1000 expired and is deleted.  |

CPs EXPIRING/APPS DISMISSED – EXISTING STATIONS

|      |      |    |  |
|------|------|----|--|
| 560  | WQAM | FL | <b>Miami</b> – CP for U4 30000/2500 expired and is deleted; remains U1 5000/1000.  |
| 790  | WPNN | FL | <b>Pensacola</b> – CP for D3 3000 <u>on 780 kHz</u> expired and is deleted; remains on 790 kHz with U1 1000/66.  |
| 1140 | KZMQ | WY | <b>Greybill</b> – CP for CoL to Ten Sleep WY has been deleted from the database.   |
| 1280 | KFRN | CA | <b>Long Beach</b> – Application for U4 500/400 dismissed.  |
| 1340 | KRLV | NV | <b>Las Vegas</b> – CP for U1 1000/900 from new site revoked at licensee's request; has applied for U1 1000/920 from another new site 36-12-46/115-09-40. |
| 1490 | WSFB | GA | <b>Quitman</b> – CP for new transmitter site expires and is deleted.   |
|      | WDEP | PR | <b>Ponce</b> – CP for U1 5000/1400 from new site expires and is deleted; stays U1 5000/1000.   |

SPECIAL TEMPORARY AUTHORITY (STA)

|      |      |    |   |
|------|------|----|---|
| 590  | KSUB | UT | <b>Cedar City</b> – Granted STA of U1 5000/250 (or less during the day); has major issues with grounding system that will take a while to fix.  |
| 700  | WDMV | MD | <b>Walkersville</b> – Granted STA for reduced power (currently at D3 250) due to transmitter problems.  |
| 750  | KXTG | OR | <b>Portland</b> – Granted STA of U4 12500/20000 for tower painting.   |
| 850  | KICY | AK | <b>Nome</b> – Licensed for U? 50000/50000, non-directional day and night but directional during "specified hours" (2300-0400 local), granted STA for 25000 during non-directional hours to save energy, remaining 50000 and directional during "specified hours." |
|      | WEEI | MA | <b>Boston</b> – Granted STA to operate with antenna pattern out of tolerance during testing of new pattern monitoring equipment.  |
| 900  | KTIS | MN | <b>Minneapolis</b> – Granted STA for U4 39500/500; transmitter problems.  |
| 1020 | KCKN | NM | <b>Roswell</b> – Previously granted STA for 10000/10000 using auxiliary transmitter; now granted STA with U1 1000/1000 with auxiliary transmitter problems.   |
| 1030 | WNVR | IL | <b>Vernon Hills</b> – Granted STA for pattern out of tolerance.   |
| 1160 | WOBM | NJ | <b>Lakewood Township</b> – Granted STA to operate with pattern at variance and/or reduced power; having problems maintaining directional pattern.   |
| 1240 | KRAL | WY | <b>Rawlins</b> – Granted STA to use emergency longwire antenna; formerly silent station has lost its tower and needed to return to the air to maintain license.   |
| 1260 | KLYC | OR | <b>McMinnville</b> – Granted STA of U1 1000/212 during antenna repairs.   |
| 1350 | KRNT | IA | <b>Des Moines</b> – Granted STA to have night pattern out of tolerance if necessary; antenna monitor was destroyed by lightning.  |
| 1380 | WKJV | NC | <b>Asheville</b> – Granted STA of U? 1000/300; grounding system copper stolen.  |
| 1410 | WIHM | IL | <b>Taylorville</b> – Granted STA of U1 250/63; directional antenna equipment failure over the weekend of 6/1-2.   |
| 1470 | KWSL | IA | <b>Sioux City</b> – Granted STA of U3 5000/1250 using day pattern 24 hours; antenna control system failure means station can't switch to night mode.  |
| 1520 | KFXZ | LA | <b>Lafayette</b> – Granted STA of U4 1000/500, transmitter problems.  |
| 1570 | KVTK | SD | <b>Vermillion</b> – Granted STA of U1 695/71 from emergency longwire antenna, tower collapsed 6/10 (higher than licensed power but less efficient antenna).   |

Applications to extend existing STAs were received and granted for KOSY-790 Texarkana AR (night pattern out of tolerance); and WTDR-1350 Gadsden AL (U1 5000/250, one tower for night pattern damaged by severe weather).

Applications to extend existing STAs were received from WTBN-570 Pinellas Park FL (U4 5000/10000 to overcome Cuban QRM); KVNA-600 Flagstaff AZ (temporary longwire antenna); WIOD-610 Miami FL (U4 10000/10000 to overcome Cuban QRM since 1981); WDAE-620 St. Petersburg FL (U2 11200/11000 to overcome Cuban QRM); WGES-680 St. Petersburg FL (U1 690/125 from a temporary tower); WTOR-770 Youngstown NY (reduced power, unspecified); KKOH-780

(night pattern out of tolerance); KJRB-790 Spokane WA (pattern at variance, work set back when towers hit by lightning in May); WFAB-890 Ceiba PR (U3 5000/5000 to overcome international QRM); KARN-920 Little Rock AR (U1 5000/1250, copper theft); WIPR-940 San Juan PR (U1 10000/2500 from WKAQ-580 site); KXEN-1010 St. Louis MO (U1 350/125 from alternate site; not yet on the air but likely to be soon); KFAY-1030 Farmington AR (U4 6000/1000); WHBO-1040 Pinellas Park FL (reduced power at night, lost a tower); KAAY-1090 Little Rock AR (U1 50000/10000); WQHC-1170 Hanceville AL (D1 10); WSUA-1260 Miami FL (parameters at variance, antenna problems); WODT-1280 New Orleans LA (pattern at variance); WBOW-1300 Terre Haute IN (U1 500/75 from temporary antenna); WMTN-1300 Morristown TN (U1 1600/96); KKPZ-1330 Portland OR (parameters at variance, dispute with owners of another tower causing interference with pattern); WBRK-1340 Pittsfield MA (about U1 500/500, tower work); WLLN-1370 Lillington NC (U4 1000/49); WTOD-1450 Hartsville SC (U1 5/5); KLTC-1460 Dickinson ND (U1 5000/1250 or with night pattern out of tolerance); WSPY-1480 Geneva IL (U1 125/125 from alternate site); and KVOG-1530 Agaña, Guam (U1 150/150 from temporary site).

Previously reported applications to extend STAs were granted for WASG-540 Daphne AL; WSAU-550 Wausau WI; WLLL-930 Lynchburg VA; WCPS-940 Houston MS; KTKT-990 Tucson AZ; KLIO-1070 Wichita KS; WSRQ-1220 Sarasota FL; KYPA-1230 Los Angeles CA; KZYM-1230 Joplin MO; WRIE-1260 Erie PA; WIJD-1270 Prichard AL; WEGA-1350 Vega Baja PR; WKDM-1380 New York NY; WWKB-1520 Buffalo NY; and WWRU-1660 Jersey City NJ.

### SILENT STAs AND SILENT STATION NOTIFICATIONS

#### *Stations going silent:*

- 860 WAMI AL **Opp** – Applies for silent STA; filed on 6/6 to go silent on 6/10.  
 960 WQLA TN **La Follette** – Applies for silent STA; silent 6/25 due to unpaid bills.  
 1150 KDEF NM **Albuquerque** – Applies for silent STA; silent 6/2 after losing transmitter site.  
 1240 KRAL WY **Rawlins** – Silent station on the air as of 6/6 with STA (see above) to maintain license, and then silent again 6/8 to resolve “personnel and equipment issues.”  
 KTHE WY **Thermopolis** – Applies for silent STA; silent since 5/20.  
 1280 WFAU ME **Gardiner** – Plans to go silent 7/1, doesn’t have funds for needed repairs.  
 1320 KSDT CA **Hemet** – Applies for silent STA; silent 6/4 for financial reasons; hopes to return with CoL Redlands if requested CP is granted.  
 1390 WFHT FL **Avon Park** – Add to silent list.  
 1400 WJWF MS **Columbus** – Applies for silent STA; silent since 4/30 with transmitter issues.  
 1440 WCDL PA **Carbondale** – Applies for silent STA; silent 5/17, will build new tower site.  
 1450 WKAL NY **Rome** – Applies for silent STA; silent (again) since 5/8 due to satellite reception problems, a complaint of interference, and stolen copper strapping on tower.  
 1510 WBSG PR **Lajas** – Applies for silent STA; silent since 6/4 with technical problems.  
 1530 WLWB WI **New Holstein** – Applies for silent STA; silent since 6/13 to put up new tower.  
 1550 WUTI NY **Utica** – Station filed silent notification 6/4; not sure when it went silent.

#### *Stations staying silent:*

- 1330 KVOL LA **Lafayette** – Granted silent STA; has been silent since 4/24.  
 KUKU MO **Willow Springs** – Granted silent STA; has been silent since 3/1.  
 1450 WBVA VA **Bayside** – Granted silent STA; has been silent since 4/2.  
 1550 WAZX GA **Smyrna** – Granted extension of silent STA; has been silent since 9/3/2012.  
 WVAB VA **Virginia Beach** – Granted silent STA; has been silent since 4/8.

#### *Stations returning to the air:*

- 1130 WALQ AL **Carrville** – Silent station on the air as of 6/18.  
 1160 WIWA FL **St. Cloud** – Silent station on the air as of 6/5; silent STA application dismissed.  
 1230 WLNR NC **Kinston** – Silent station on the air with reduced power in May and with full power around 6/3.  
 1260 KBSZ AZ **Apache Junction** – Was silent late last year (9/21 to 12/6) but only now removed from FCC silent list.  
 KLYC OR **McMinnville** – Silent station receives STA to get back on the air (as above).

Application to extend existing silent STA received from WPAZ-1370 Pottstown PA.

### LICENSE REINSTATEMENTS

- 840 WHGH GA **Thomasville** – This silent station (since 12/2012) has had its call letters undeleted, as it has filed an (untimely) application for license renewal that the FCC will now consider.  
 1450 WCOX AL **Camden** – License was cancelled after station failed to file a license renewal by the 12/1/2011 deadline and the old license expired 4/1/2012, but on 6/6/2013 the

station was granted an STA to resume broadcasting for six months while its untimely renewal application (filed 7/26/2012) is considered.

### COORDINATE CORRECTIONS

- 660 WMIC MI Sandusky – Applies for license to cover CP to correct coordinates and PTA.  
 930 WTAD IL Quincy – Coordinates corrected to 39-53-24/91-25-25.  
 1230 WXCO WI Wausau – Applies for CP to correct coordinates to 44-58-29/89-36-25 and for STA to continue broadcasting until correction is made.  
 1440 WWCL FL Lehigh Acres – Granted CP to correct coordinates to 26-36-08/81-33-30.  
 1540 KNGI KS McPherson – Granted CP to correct coordinates to 38-20-19/97-40-05.

### TO ERR IS HUMAN...

- 830 WUMY TN Memphis – Licensed for D1 3000 with a CP for U1 8000/2, this station was granted a “direct measurement” relicensing of its facilities in April. Usually, when a station holding a CP is relicensed in this way, it means the CP is on the air ... but that appears not to be the case here, contrary to our earlier report.

Canadian news (via Dan Sys, Shawn Axelrod, WRTH):

- 850 New QC Montreal – Granted CP for new station, U4 50000/22000, French sports, co-owned with EE:TLK 600 and FF:TLK 940 stations to launch this fall.  
 990 CBAO NB St. Stephen – LPRT applies to move to 88.1 MHz FM.  
 1570 CKMW MB Winkler – Moving to 88.9 MHz FM now on the air; AM has 90 days left.



Finally, some NRC AM Log updates from Wayne Heinen.

- 560 WNSR TN Brentwood – Adds // W240CA-95.9.  
 580 WACQ AL Tuskegee – Format to Rock/OLD (was UC:GOS), slogan to “Classic Hits 850,” networks to CM.  
 640 WGST GA Atlanta – Format to TLK; slogan to “Talk Radio”; network to BNN/DR/CMP/PRNB; drops // W222AF-92.3.  
 770 WJBX FL North Fort Myers – Ex-WWCN, slogan to “ESPN 99.3,” now // WJBX-99.3, delete // Group “ESPN 770.”  
 780 KSPI OK Stillwater – Format to SPT (ex-TLK/SPT), slogan to “Sports 780” (ex-“Sports Talk”), network to CS/Jr (ex-ESPN/Jr).  
 850 KICY AK Nome – Format to REL/ETH (ex-REL).  
 910 KGME AZ Phoenix – Slogan to “Fox Sports 910.”  
 920 WCHR NJ Trenton – Slogan to “Your Station for Inspiration.”  
 950 KJR WA Seattle – Drops // KNBQ-102.9.  
 990 KFCD TX Farmersville – Format to SS:REL:ETH (was SS:REL). (GH)  
 1020 WIBG NJ Ocean City-Somers Point – Format to SS:NOS (was TLK), slogan to “En Vivo 1020,” drops all networks.  
 1040 WNJE NJ Flemington – Slogan to “Your Station for Inspiration.”  
 1150 KHRO TX El Paso – Format to OLD (ex-TLK), slogan to “1150 Oldies.”  
 1230 KYVA NM Gallup – Format to OLD/SPT (ex-C&W/SPT), slogan to “Ke-va Sports The Team,” “Rockin Oldies,” networks to A/DG/ESPN.  
 1240 WPTR NY Schenectady – Format to SPT (ex-OLD), slogan to “CBS Sports,” network to CS/Jr/MRN.  
 KRAL WY Rawlins – Format to Rock/OLD (ex-Silent).  
 1290 WNIL MI Niles – Network to Ns (ex-FSR).  
 1330 WNTA IL Rockford – Format to SS:CHR (ex-Comedy), slogan to “La Movida.”  
 1340 WMHZ AL Holt – Format to Rock/OLD.  
 KRMD LA Shreveport – Network to ESPN.  
 1350 KTDD CA San Bernadino – Format to SPT (ex-C&W), slogan to “Fox Sports Radio 1350,” network to FSR.  
 KWMO MO Washington – Format to SPT (ex-TLK/OLD), slogan to “1350 CBS Sports,” network to CS/Jr.  
 1430 WOWW TN Germantown – Format to OLD (ex-NWS/TLK), slogan to “97.7 Guess FM.”  
 1450 KNOC LA Natchitoches – Format to UC:AC (ex-NWS/TLK), slogan to “My 93.9,” drops networks. (Does anyone know what the FM // is? Unable to tell from releases – WH.)  
 1480 WDAS PA Philadelphia – Format to JAZZ (ex-NOS), slogan “Smooth Jazz JZZ.”  
 1490 WFXV KY Middlesboro – Format to Rock/OLD (ex-C&W), slogan to “Foxy 1490.”

**KSKR OR Roseburg** – Networks to CS/Jr (ex-FSR/Jr).  
**KOGN UT Ogden** – Slogan to “La Jefa 1490.”  
**1570 CKMW MB Winkler** – Slogan to “Country 88,” adds // FM 88.9 (will leave AM this fall).  
**1600 KTUB UT Centerville** – Format to SS:AC (ex-MEX), slogan to “Juan AM,” add net DG.

Delete “ESPN 770” from the Group listing.

For those that follow changes online, please note the “AM Log Update” deadline was a week early due to vacation plans. Just so you know, I acknowledge those who send tips directly to me; occasionally the change has been previously published from another source.

This week’s credits to Bruce Conti, (GH) Glenn Hauser, Steve Kennedy, Shawn Axelrod, and Bill Hale – Wayne Heinen.

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The next issue of *DX News* will take us past the Joint Clubs’ Convention and well into *NRC AM Log* finalization season, so Wayne will take a break next issue while he finalizes the 34th edition of the *Log*. He’ll be back in Issue 30 with the latest updates to the 34th Edition, which should be in your mailboxes by then.

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**OPENING REMARKS OF FCC COMMISSIONER AJIT PAI AT MISSOURI BROADCASTERS  
ASSOCIATION CONVENTION’S AM RADIO REVITALIZATION PANEL  
MAY 31, 2013**

I’d like to thank the Missouri Broadcasters Association for inviting me to introduce today’s panel on AM radio revitalization. Eleven days ago, I was reminded of the critical role that broadcasters play when disaster strikes. As severe weather threatened Central Oklahoma, local radio and television stations warned residents to take cover. Those warnings saved more than a few lives when an EF-5 tornado barreled through the town of Moore thirty-six minutes later.

For many of you, the tragedy in Oklahoma probably brought back memories of the catastrophic tornado that struck Joplin just a little over two years ago. In the wake of the Joplin tornado, when mobile phone service and the Internet were all but wiped out, broadcasters led by KZRG-AM 1310 provided around-the-clock, uninterrupted coverage for nine consecutive days. KZRG told residents how to get disaster relief and connected people in need with people who could help. The residents of Moore, Oklahoma have a long road ahead of them, but if they need inspiration for how to rally and recover, they can look to Joplin as a model.

The story of KZRG demonstrates the importance of AM radio in times of crisis. But AM radio plays an important role in towns throughout the United States every single day. AM stations cover local politics and host debates about local issues. They cover community events, such as high school sports. And they reach out to all parts of society, with programming targeted at minorities, people who speak foreign languages, and the elderly.

We all know that AM broadcasters today face a lot of challenges. Statistics tell the story. In 1978, half of all radio listening was on the AM dial; in 2010, that number was only 17%. For listeners under the age of 35, that percentage drops to single digits. And since 1990, the number of AM stations has decreased while the number of FM stations has almost doubled. Why is this? Based on my own experience, AM signal quality seems to be a major factor. Due to widespread interference, it seems to get tougher each day to receive a clear AM signal.

To address these challenges, I proposed last year that the FCC launch an AM Radio Revitalization Initiative. The last time the FCC comprehensively reviewed its AM radio rules was over two decades ago. I think it’s time we do so again. Since I made this proposal, I’ve been amazed by the outpouring of support from broadcasters across the country. They’ve shared many ideas with me for improving the AM band, and I know that you’ll be discussing some of them today.

Such as: How can the FCC make it easier for AM broadcasters to obtain an FM translator? Should we eliminate the AM ratchet rule? Should we replace the current minimum efficiency standard with a minimum radiation standard? Should we modify community of coverage standards? And what about the long-term future of the band? Should our goal be to transition stations to all-digital? Or are there other options we need to think about?

These are just a few of the questions that I hope you’ll address during today’s panel. And in the time to come, I’d like you to continue to “show me” your proposals on AM radio, as a good Missourian might say. I’m sorry that I couldn’t be with you, but I do wish you all the best for a successful convention. And to quote Randy Newman, I want all broadcasters to know that when it comes to the AM band, “You’ve got a friend in me.”

*Source: As published on the FCC web site.*

# Domestic DX Digest – West

Jim Tedford Radio\_Enthusiast@hotmail.com  
20310 Bothell-Everett Highway B4  
Bothell, WA 98012-8133

U.S./Canadian Loggings from Pacific/Mtn/Central Time Zones. All times ELT.

## Reporters

- GH-OK** Glenn Hauser, Enid OK. Mostly DX-398 with internal antenna only; or Sony SRF-59 as specified; Nissan stock car radio as specified; FRG-7 as specified. (Glenn's reports, with extensive commentary, are originally published in *DX Listening Digest*)
- JE-TX** Jerry Ervine KC5YRE, Mission, TX. Sony ICF-2010.
- JR-OK** John Reed, Shawnee, OK. Racal RA6772E, RA6793A, JRC NRD-545 with Pühler roofing filter; homebrew ferrite tuned loop, Clifton Labs active whip.
- KAZ-IL** Neil Kazaross, Barrington IL. Perseus and two element Broadside Double KAZ array spaced 260 ft. and aimed at 270 degrees.
- SMA-MB** Shawn M. Axelrod, VE4DX1SMA, VEPC4SWL Winnipeg, MB. Icom ICR-70 / Drake R8; 3 Foot un-amplified box loop / Quantum QX LOOP v2.0/ 155 Foot "U" shaped outdoor wire / 100 Foot indoor wire run around the basement walls / MFJ 1026 Phasing unit

## DX Logs

- 960 WABG MS Greenwood – 6/15 0103-0105 – Mostly blues music in mix, during Fox-hole from local KGWA-960: no modulation and carrier remains weaker than usual, easier to null and hear other stations even outside of exact null. Also tonight there is hardly any T-storm noise, which occasionally happens during the summer, just too far away to bother much here. (GH-OK)
- 990 KRMO MO Cassville – 6/20 0744 – Ad for First United Methodist Church of Monnett; 2.5 kW non-directional in daytime, per NRC AM Log, but with street and P O Box addresses in Monnett, which is in the southwest corner of Missouri. I don't recall ever hearing it before, but my log does as in DXLD 10-44. (GH-OK)
- 990 KFCD TX Farmersville – 6/15 0111 – Gospel(?) in Spanish, well atop XET "La T Grande" de Monterrey; very strange: refers to Jewish-like stuff including "séximo día," Shabat, Torah, Yahweh, Yeshua, Moshiach; frequent Bible/Torah citations, not only old testament such as Levítico, but also New, such as Mateo, Hechos. Must be some Messianic cult, "Christian Jews," but NEVER heard a mention of Jesucristo by name, although several mentions of "los profetas." Was listening first on a fixed radio aimed north/south. Strangely, this was taking turns with XET fading in and out, quite rapidly. First one, then another. Switching to the DX-398 for some DFing, the religious station loops considerably east of XET, i.e. like SE (or NW), so can hardly be from Mexico too. I can still hear it with XET nulled. Still going past 0130, and at 0141 now there is background music as the preacher says he's from Ciudad de Tehuacán, Puebla. Originally, or originating there now? There is certainly no 990 station in Puebla. Dozed off thru hour top, but awakened by horns blaring at 0215 and with a .mx website. No sign tonight of CBW, the usual competitor in the middle of the night for 990 with XET, but now the religious station is usually atop. I figure it must be KFCD Farmersville, Texas, which is mostly religious but seldom audible at night, having cut from 7000 to 970 watts. This is one of the frequencies hijacked from original Wichita Falls KNIN to The Metroplex. Although KFCD is mostly Spanish and mostly religion, it's "multi-cultural" so we find something else on their Sunday schedule at 20-01 UT Mondays, probably in Amharic or the like. But why am I hearing KFCD so well now? NRC Pattern Book shows at night it all goes SE, while day pattern is NW/SE. Therefore, must now be on day pattern if not also day power. Homepage radio-locator.com map shows "fringe coverage" even past Oklahoma City in daytime. Maybe, but KTOK 1000 could be a bit of a problem around The Metro. (GH-OK)
- 1070 KOPY TX Alice – 6/14 1212 – Religious SS gospel music, and message. ID in EE and SS. Difficult to receiver earlier, but can hear station most of the time. One more station not reported. Good. (JE-TX)



- 1110 KVTX TX **Mineral Wells** – 6/7 1804 – Ads with an Asian accent with location as Dallas-Fort Worth area. **(JR-OK)**
- 1130 KLEY KS **Wellington** – 6/7 1810 – Weak with Wichita and Wellington news and ads. **(JR-OK)**
- 1150 KSAL KS **Salinas** – 6/23 0818 – “All in the Family” the musical, as Edith and Archie are singing. Carol O`Connor can really sing and so can Jean Stapleton when she`s not trying to hit sour notes as in the theme song; a tribute to the late her, of course. Did they ever do a musical episode, or was this gathered from elsewhere? KSAL shows at 5-8 am Sunday, it`s *The Bill Miller Show*, a departure from their mostly talk format. Still some skywave enhancement with fades; also audible more weakly on daytime groundwave. **(GH-OK)**
- 1210 KUBR TX **San Juan** – 6/11 2205 – SS music and religious talk, IDs as “Radio Cristiana.” **(JR-OK)**
- 1220 WLPO IL **La Salle** – 6/11 2215 – Only caught call ID then went under jumble of other signals. **(JR-OK)**
- 1220 KOFO KS **Ottawa** – 6/22 0807 – Giving silly ballgame times for upcoming coverage, mentions Wichita and then KOFO in passing, i.e. the 250-watt Ottawa, Kansan, as there`s still some skywave on the top half of the MF band 53 minutes after Enid sunrise. **(GH-OK)**
- 1230 KWTX TX **Waco** – 6/12 2200 – Talk, then heard ID “The call of Waco” with news. **(JR-OK)**
- 1260 KSGF MO **Springfield** – 6/13 2155 – Michael Savage talk then call ID. Fading in and out. **(JR-OK)**
- 1280 KPRV OK **Poteau** – 6/13 2200 – NOS music, ads for Poteau. Weak signal here. **(JR-OK)**
- 1410 KLVQ TX **Athens** – 6/21 2155 – Religious music with call ID. Good signal on the fade ups. **(JR-OK)**
- 1430 KCLK WA **Asotin** – 4/29 2300 – Poor/Poor-Fair and clear rising atop KRGI with “ESPN Radio AM 1430 KCLK Asotin, proud to bring you more live local sports than anyone else.” **(KAZ-IL)**
- 1440 KMAJ KS **Topeka** – 6/19 0124 – As I tune by, “Big Talker 14-40, KMAJ.” I don`t often hear this, and here`s why: NRC Pattern Book shows both day and night it aims northwest from Topeka KS, supposedly quite a side null toward Enid. 6/22 0812 – Home improvement advice from kenthecontractor.com but with 3 Hz SAH from a mostly stronger open carrier. I think Ken must be on KMAJ Topeka, and the OC from KTNO Dallas, which is failing to modulate its 50 kW. Affiliate list shows KMAJ, the only one on 1440 and the only one close enough for us to hear; at least if its directional pattern is out of whack as I also heard it a few days ago. The FCC Pattern Data shows at 215 degrees KMAJ has a hefty signal, almost 8 times as much as at the 235 null, so maybe not so unusual after all, and really in whack. **(GH-OK)**
- 1440 KTNO TX **University Park** – 6/18 0746 – Strong signal in Spanish though with periodic total fadeouts; 6-note sounder between news items which I think used to be among the Media Network flourishes, even though they exhibit notes of finality. This is the KTNO in The Metroplex, TX, on 50 kW day power, but it`s mostly religious and all the news items are about México! So I keep listening; 0751 ID as “Noti-Sistema informado,” and then “Radio Luz 1440 AM y 102.5 FM” IDs, the latter being a mere translator, so yes, it is KTNO. 0752 Spanish ad for “Celebrate Freedom” concert, noon June 29 at South Fork Ranch, sponsored by Radios Luz and KLTY 94.9; 0753 non-Mexican weather. It seems that Notisistema originates in Guadalajara, providing both local and “red nacional” news podcasts; make that “internacional” if not Aztlán. **(GH-OK)**
- 1460 KZUE OK **El Reno** – 6/6 1544 – Checking on reactivated KZUE, El Reno, La Tremenda: it`s on but all I am hearing is a relay of Radio Fórmula, México DF, complete with local IDs for 120,000 watts on 103.3, call XERFR (apparently same as on MW 970, not XHRFR), local DF phone numbers, .mx websites including radioformula.com.mx; 1546 one-minute-off time check for “2 y 45 hora del Centro,” Banamex ad; 1558 another off-TC for 2:57, toll free numbers 800 in Mexico and 866 in USA for something; ad for Cadillac pronounced as in English; no local ID or any announcement for KZUE itself across top of hour. It seems the Fórmula formula is commercial after commercial with occasional feature snippets hard to tell from ads either. Who would want to listen to that? After 1602.5 “Escucha Grupo Fórmula,” KZUE suddenly cuts off the air at 1603. I guess they are still in post-tornado test phase. I hadn`t paid much





attention to them before, to know whether the XERFR relays were a regular thing or a stopgap program source now. On 6/14 circa 2005, interrupts Spanish for canned announcement in English about license renewal, saying it "will expire" on June 1, 2013! We've heard it before, since they returned after being knocked off the air several days following the tornado. Usual FCC-mandated boilerplate about listener comments whether it has operated in public interest, etc. So they are operating on expired license now? This is nothing new for KZUE. The last time around, in 2005, they failed to file properly for renewal on time, and were fined \$4,000 (reduced from \$7,000), as in the latest letter in their correspondence file, from almost two years ago. It looks like they are in a similar situation now, which certainly predated the tornado in late May, so that cannot be used as an excuse. **(GH-OK)**

- 1510 KNNS KS **Larned** – 6/7 0847 – Het on the low side, apparently caused by KCTE Independence MO being off-frequency, Mike & Mike from ESPN. As we discovered months ago is no longer ESPN but Spanish, and is barely audible here by daytime groundwave, while KCTE comes only via residual skywave even now, a sesquihour after sunrise. **(GH-OK)**
- 1560 KEBC OK **Del City** – 6/27 1800 – Continuous comedy routines. No longer Disney kids programming. **(JR-OK)**
- 1560 KGOW TX **Bellaire** – 5/16 2003 – Sports with emphasis on Rice Univ. Owls. It is basketball season., scouting reports, top twenty-five, and conference status. BB game with Rice at UAB in Birmingham. Commercials were Methodist Hospital, UPS and IBW Local 760. After a second game, it ID's as Yahoo Sports Radio. Good. **(JE-TX)**
- 1570 CKMW MB **Winkler** – 6/12 1230 – Very Good signals with their new FM station on today. They are on 88.9 FM and will be going dark within the next 3 months leaving only the FM station active. They are still Country music. The new slogans are: "Country 88" and "Southern Manitoba's home of big hats and big boots and the local information you need Country 88." Also, "Country 88 Southern Manitoba's music authority." Well I may be losing a FM frequency but in three months I get 1570 to DX !!!! **(SA-MB)**

#### UNID

- 530 "K530AM" OK **Vance AFB** – 6/11 0805 – "K530AM," Vance AFB is open carrier/dead air. This thing had been pretty reliable, with no storm or other excuse for it to be dead today, but anyone who actually listens to it must have severe short-term memory loss, as the same PSAs and local gate hours etc., have been repeated every few minutes for months and months. One of those set-it-up, turn-it-on, and forget-it as far as the Communications Squadron is concerned. It \*could\* be so much more with local "programming" or at least a huge rotation of national PSAs instead of only a handful. Now how long till they notice that the modulation has crashed? Still silent at 1438 recheck, and signal strength also seems degraded, but not sure about that. 6/11 2024 – Finally resumed modulation with the usual quick rotation of national PSAs mostly about safety (keyword: Amanda), and local info about open hours of different Vance gates. I've yet to see reports of anyone else hearing this beyond Enid, and googling on the non-call brings up nothing relevant except my own reports. **(GH-OK)**

In the midst of summer, there's still DX to be had. It's also a good time to get your antennas repaired and refreshed, go through the backlog of recordings from last DX season.

Stay cool, and we'll see you next time. **(JDT-WA)**

## Unreported Domestic Stations

In this issue, three stations from our Unreported Stations List were reported for the first time in DDXD this millennium: KOPY-1070, KWLC-1240, and KLVQ-1410. But we're adding back WCOX-1450, which was on the list before the FCC deleted it, now that the station is undeleted and back on the air.

This leaves 569 stations (out of a total 4850) U.S. and Canadian stations (not counting TIS and LPRT stations) not reported to DDXD since at least Volume 67 (1999-2000). Of that total, 1589 stations have been reported at least once so far in Volume 80 – with two more to go! – **DY**.

*Domestic DX*      **Mike Brooker** patria1818@yahoo.com  
*Digest – East*      99 Wychrest Avenue  
 Toronto, ON M6G 3X8 CANADA  
**U.S./Canadian Loggings from Eastern/Atlantic Time Zones. All ELT.**

## REPORTERS

- BC-NH**      **Bruce Conti, Nashua** – Excalibur SDR, MWDX-5, variable termination SuperLoop antennas northeast and south.  
**KK-VA**      **Kraig Krist, Manassas** – Winradio G33DDC SDR, Kiwa loop.  
**JJR-MI**      **John J. Rieger, L’Anse** – Grundig Satellite 750.  
**MKB-ON**      **Mike Brooker, Toronto** – Grundig G5, Grundig YB-400PE, Sony SRF-39FP, Panasonic RF-2200 (receiver emeritus)

Follow me on Twitter! @patria1818 DX-related tweets will be hash-tagged #MWDX.  
 Friend me on Facebook! [www.facebook.com/keval.mike](http://www.facebook.com/keval.mike)

## TIS/HAR

- 1640 WPNX700 PA** **Multiple Locations** – 6/6 0300 – Fair; "This is the Pennsylvania Turnpike Highway Advisory Radio System, WPNX700." FCC database lists five possible sites. **(BC-NH)**

## UNID

- 800 UNID --** 6/21 0300 and 6/22 0200 – Spurs at 792 and 808 kHz producing loud hets against 790 WPRV and 810 WGY; a mix of CKLW and WNNW on 800 kHz. **(BC-NH)**

## LOGGINGS

- 770 WAIS OH** **Buchtel** – 6/8 2110 – Mixing with WABC and UNID Spanish with "Free Talk Live" show. **(KK-VA)**  
**780 WTME ME** **Rumford** – 6/6 2200 – Over WBBM; automated ID breaking into music, "Maine's family stations, AM 780 and 1450, WTME Rumford and WKTQ South Paris." Off-frequency, measured at 779.948 kHz using 780.000 WBBM as a reference. **(BC-NH)**  
**810 CKJS MB** **Winnipeg** – 6/9 0230 – Poor with "In Winnipeg, this is Radio 810 CKJS" ID into ad mentioning "100 years and family owned," then lost. **(JJR-MI)**  
**820 WGGM VA** **Chester** – 6/9 0400 – Over WNYC; "97.7 FM and AM 820, WGGM Chester-Richmond-Petersburg and W249CI Bellwood," Black gospel music. **(BC-NH)**  
**840 WVPO PA** **Stroudsburg** – 6/10 0400 – Under WHAS and WRYM; "The Voice of the Poconos, your home for Imus in the Morning and great talk radio, AM 840 WVPO Stroudsburg" and NBC news. **(BC-NH)**  
**940 WCSW WI** **Shell Lake** – 6/24 2307 – Poor with local ad for Cody Insurance Agency, mention of Highway 53, "AM 940 WCSW" ID. Never heard at night until now! **(JJR-MI)**  
**1050 WEPN NY** **New York** – 6/14 0350 – Alone on frequency with CHUM off, usual ESPN Deportes SS sports talk, "Radio la Mejor" slogan. Not needed, but CHUM's silent periods are few and far between. They were back on by 0530. QSLed as WHN in 1977. **(MKB-ON)**  
**WJOK WI** **Kaukauna** – 6/22 2229 – Poor with local ads for Green Bay area mentioning phone number with 920 area code and "off 172 ..." (presumably a state highway). No CKSB-Winnipeg at all! **(JJR-MI)**  
**1110 WYRM VA** **Norfolk** – 6/17 0400 – Over WBT; "This is Virginia's most powerful Christian station with 50,000 watts, serving Virginia and North Carolina at 1110 AM, WYRM Norfolk and worldwide at wyrmradio.com." New log. **(BC-NH)**  
**1140 WQBA FL** **Miami** – 6/9 0400 – Over/under WRVA; in SS with "Univisión América 1140 Miami" slogan. **(BC-NH)**  
**1150 WHUN PA** **Huntingdon** – 6/7 0400 – Under WWDJ; "WHUN Huntingdon" (ex-WLLI) followed by CBS news sounder which might have also been from WDEL, then lost to "Radio Luz" ID from WWDJ. **(BC-NH)**

- 1230 WHUC NY **Hudson** – 6/8 2300 – Fair; C&W music, WRWD ID and promo for Tommy Lee Walker in the morning, simulcast with 107.3 WRWD-FM and 99.3 WRWB-FM. **(BC-NH)**
- WFAS NY **White Plains** – 6/17 0200 – Fair; “News/Talk AM 1230 WFAS White Plains, New York, home of Geraldo, Huckabee, Debbie Nigro, and Lisa Wexler on your drive home, News/Talk AM 1230 WFAS, a Cumulus Media station.” **(BC-NH)**
- WXCO WI **Wausau** – 6/24 2207 – Poor amid ton of stations with “Sunny 1230” slogan into ad. Mention of “Wausau” noted at 2239. **(JJR-MI)**
- 1240 KWLC IA **Decorah** – 6/22 2303 – Poor with Chicago Blackhawks hockey promos, “KWLC” ID repeated four times! Lost to WOBT. Rare! **(JJR-MI)**
- WJON MN **St. Cloud** – 6/7 2355 – Very poor in mess with ad mentioning “on Highway 23, Saint Cloud.” **(JJR-MI)**
- WIOV PA **Reading** – 6/6 0300 – Fair; “You’re listening to CBS Sports Radio on Reading’s sports leader, AM 1240 Reading and FM 98-5 on translator W253AC, CBS Sports Radio.” No mention of AM callsign. **(BC-NH)**
- KCCR SD **Pierre** – 6/9 0246 – Poor, cutting through mess with local weather “from South Dakota ... KCCR ... it’s 57 [degrees]” and KCCR jingle. **(JJR-MI)**
- 1270 KNWC SD **Sioux Falls** – 6/8 0531 – Poor with listener testimonials after two songs, contemporary Christian songs, “Faith 1270” slogan. Not common. **(JJR-MI)**
- 1330 CJYM SK **Rosetown** – 6/9 0309 – Poor in fade up over weak WHBL with “Devil You” by the Stampeders (CanCon oldie) “Classic Hits 1330 CJYM” slogan into next song. **(JJR-MI)**
- 1340 WIRY NY **Plattsburgh** – 6/18 0401 – Fair; “The best music on the best station, Hometown Radio WIRY Plattsburgh.” **(BC-NH)**
- WSTJ VT **St. Johnsbury** – 6/18 0200 – Fair; “This is the Spirit of the Kingdom, 1340 WSTJ St. Johnsbury. Now stay tuned as AP covers the world at 2 o’clock.” **(BC-NH)**
- 1360 WKYO MI **Caro** – 6/24 2210 – Very poor under WTAQ, presumed with “Oldies 1360” jingle into “Dominique” by the Singing Nun. **(JJR-MI)**
- 1370 WKMC PA **Roaring Spring** – 6/3 2006 – In WHEE/WTAB mix with “Good times, great oldies. 13-70 WKMC” station promo. **(KK-VA)**
- WHEE VA **Martinsville** – 6/3 2028\* – In WKMC/WTAB mix with sign-off announcement: “This is radio station WHEE now concluding its broadcasting day. WHEE is owned and operated by the Patrick Henry Broadcasting Corporation and operates on one thousand three hundred and seventy ... licensed by the ....” **(KK-VA)**
- 1380 KCIM IA **Carroll** – 6/22 2130 – Fair with “1380 KCIM” ID by young sounding jock then lost in mix. **(JJR-MI)**
- WBTK VA **Richmond** – 6/4 2058 – In multi-station mix (WOTE, UNIDs with ESPN, talk, teen songs, and baseball game), woman in SS says “Transmitiendo desde Richmond Virginia” (“Transmitting from Richmond VA”). **(KK-VA)**
- WOTE WI **Clintonville** – 6/4 2030 – In multi-station mix (KTOE and several UNIDs) with station promo “Playing the music that makes you feel good. This is the lounge ....” **(KK-VA)** KTOE is on 1420 – DY.
- 1400 WGIN ME **Biddeford** – 6/8 0359 – Fair; “WGAN 24 hour traffic” and “WGAN weather watch,” ex-WVAE now relays 560 WGAN. **(BC-NH)**
- WQXO MI **Munising** – 6/7 2343 – Poor in mess with “70s weekend” show on True Oldies Channel. “QXO” slogan noted. **(JJR-MI)**
- KBRB NE **Ainsworth** – 6/7 2334 – Very poor but noted long, detailed local weather forecast, C&W song and clear “Nebraska” said toward end of ID, presumably also giving call letters. NE #29, 1400 #55. NEW! **(JJR-MI)**
- 1410 CJWI QC **Montreal** – 6/18 0200 – Excellent; CPAM promo, telephone talk in French, ex-1610. CHHA Toronto noted loud and clear on 1610 kHz. **(BC-NH)**
- 1430 KZQZ MO **St. Louis** – 6/10 2130 – In multi-station mix (WVAM, WENE, WXNT, UNID C&W and Voice of Russia stations) with oldies, two male announcers, the first with “The all new KZQZ” ID, the second with “Love those old songs,” then back to first announcer with “Cool oldies 14-30 AM” slogan. First time for me. **(KK-VA)**
- 1440 WRGM OH **Ontario** – 6/10 2029 – In multi-station mix (WFNY, WJLL, WHKZ and WAJR) with usual ESPN radio programming, promos for FM sister station “Positive hits 99.3 ‘The Light’ . This is Mansfield’s positive hits 99.3.” **(KK-VA)**

- 1450 WKTQ ME **South Paris** – 6/7 2301 – Briefly atop WCTC and others with promo for sister station: “Maine’s Pure Country, on 92.7 and 100.7 OXO.” (BC-NH)
- WNBY MI **Newberry** – 6/7 2329 – Poor in mess with call letter ID, Kewadin Casino ad, mention of “Christmas, Michigan” (actually a town in Michigan’s Upper Peninsula), classic C&W. (JJR-MI)
- WYNY PA **Milford** – 6/21 0401 – Briefly atop WCTC; promo, “... on 106-9 and 1450 WYNY.” (BC-NH)
- WRCO WI **Richland Center** – 6/22 2148 – Poor with mention of “on WRCO” noted in passing. Lost in mess. (JJR-MI)
- 1490 WGCH CT **Greenwich** – 6/8 0100 – Fair; “This is your official business talk radio station, 1490 WGCH Greenwich,” and ABC News Now. (BC-NH)
- WXTG VA **Hampton** – 6/22 0300 – Fair with ToH ID: “The Game is WXTG-FM Virginia Beach, Virginia, WXTG AM Hampton, Virginia, a Red Zebra Broadcasting station.” (BC-NH)
- 1520 WTBE NY **Mineola** – 6/20 1959 – In WWKB/WARR mix with ToH ID: “You’re tuned to New York’s first Gospel station, 1520 WTBE and on the world wide web at wthe1520AM.com.” Different man with “New York’s first Gospel station, 15-20 WTBE ...” ID. (KK-VA)
- WARR NC **Warrenton** – 6/20 1957 – In WWKB/WTBE mix, man with “WARR 15-20 AM in Warrenton North Carolina” ID. (KK-VA)
- 1690 WVON IL **Berwyn** – 6/21 0400 – Over/under presumed CJLO; “...on 1690 WVON Berwyn-Chicago, an iHeart radio station.” (BC-NH)

*Confirmed  
DXer*

**Phil Bytheway** phil\_tekno@yahoo.com  
9705 Mary NW  
Seattle, WA 98117-2334

Excellent variety this time. Thanks to those that contributed. Next deadline 8/1/13 pb

- 1140 KXST NV **North Las Vegas** – PPC in 7 days for f/up. V/s illegible (“SVP/GM”). (JW-CO)
- 1350 WPDR WI **Portage** – N-D letter. V/s Kevin Kellogg, morning announcer. Rcvd in 39 days MS. (DJ-TN)
- 1400 WAVQ NC **Jacksonville** – Received self-prepared QSL confirmation from Cathy Clark, President CDV Broadcasting LLC in 1 day for an email report to wavqradio@yahoo.com. See card in the USA section of [www.kg4lac.com](http://www.kg4lac.com). (KK-VA)
- 1450 WKAL NY **Rome** – Bob Carter station engineer wkal@midatlanticengineeringervice.com. Received full data QSL in 1 day for May 5, 2013 DX Test. See card in the USA section of [www.kg4lac.com](http://www.kg4lac.com). (KK-VA)  
+ JPG “card” and coverage map in less than one day via e-mail for report on DX test that aired May 5, 2013. V/s Bob Carter. (MB-ON)
- 1490 WVBG MS **Vicksburg** – P-D letter. V/s Dailon Huskey, OP Mgr. Rcvd in 16 days MS (did not use SASE.) (DJ-TN)
- 1600 KLEB LA **Golden Meadow** – P-D letter. V/s Andrea G, OP Mgr. Rcvd in 9 days MS. (DJ-TN)
- 1620 WNRP FL **Gulf Breeze** – N-D letter, magnet and ink pen. V/s Paul Stadden, PD. Rcvd in 39 days MS (not used.) (DJ-TN)
- 1670 WOZN WI **Madison** – PPC in 14 days for f/up. V/s Kurt Baron, PD. (JW-CO)
- David Jones, Nashville TN (DJ-TN) Kraig Krist, KG4LAC, Manassas VA (KK-VA)  
John Wilkins, Wheat Ridge CO (JW-CO) Mike Brooker, Toronto ON (MB-ON)

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# *International DX Digest*

**Bruce Conti** contiba@gmail.com  
46 Ridgefield Drive  
Nashua, NH 03062-1174

## Trans-Atlantic DX

- 531 **ALGERIA** *Jil FM*, F'kirina Wilaya d'Oum El Bouaghi MAY 29 0029 – Parallel 549 with man in Arabic, then Arabic dance-club music; to fair peak. [Connelly\*E-MA] JUN 21 0101 – Bits of vocal parallel 549; poor, noisy. [Connelly\*O-MA]
- 549 **ALGERIA** *Jil FM*, Les Trembles MAY 29 0029 – Parallel 531 with man in Arabic, then Arabic dance-club music; good. [Connelly\*E-MA] JUN 21 0101 – Parallel 531 with slow plaintive vocal music, then man in Arabic; fair. 0129 Arabic dance-club music with female vocal; good. [Connelly\*O-MA] JUN 22 0200 – Fair; usual canned *Jil FM* ID by a woman, then announcements by a woman over a Middle eastern music bed. [Conti-NH]
- 585 **SPAIN** *RNE1* Madrid MAY 29 0100 – Spanish news by woman; in WEZE slop. [Connelly\*E-MA]
- 595 **MOROCCO** *SNRT* Oujda MAY 29 0101 – Carrier and bits of audio; stronger than 594 kHz. [Connelly\*E-MA]
- 603 **FRANCE** *France Info*, Tramoyes MAY 29 0100 – Parallel 945 with *France Info* theme music; poor. [Connelly\*E-MA] JUN 21 0100 – Jazzed-up version of “Magnificent 7” theme, then *France Info* music, man in French; fair. [Connelly\*O-MA]
- 612 **MOROCCO** *SNRT* Sebaa-Aioun MAY 29 0100 – Woman in Arabic in phone interview; fair. [Connelly\*E-MA] JUN 21 0059 – Arabic music; poor. [Connelly\*O-MA]
- 621 **CANARY ISLANDS//SPAIN** *RNE1* sychros MAY 29 0059 – Parallel 774 with woman in Spanish, bit of music, pips; fair. [Connelly\*E-MA] JUN 21 0130 – Bits of Spanish vocal; poor. [Connelly\*O-MA]
- 639 **SPAIN** *RNE1* La Coruña et al. MAY 29 0059 – Parallel 774 with woman in Spanish, bit of music, pips; fair. [Connelly\*E-MA]
- 684 **SPAIN** *RNE1* Sevilla MAY 29 0031 – Parallel 774 with man in Spanish; through WRKO slop. [Connelly\*E-MA]
- 693 **UNITED KINGDOM** *BBC Radio 5*, Droitwich et al. MAY 29 0100 – “Five Live” mention by man in English; poor to fair. [Connelly\*E-MA] JUN 21 0130 – “Five Live” mention in talk; poor on LSB. The upper sideband was pounded by WOR IBOC. [Connelly\*O-MA]
- 711 **FRANCE** *France Info*, Rennes MAY 29 0100 – Jazz, *France Info* theme, French talk by woman; to good peak over 711.1 growl. [Connelly\*E-MA]
- 738 **SPAIN** *RNE1* Barcelona MAY 29 0031 – Parallel 774 with man in Spanish; fair. [Connelly\*E-MA]
- 774 **SPAIN** *RNE1* sychros MAY 29 0031 – Echoey Spanish talk by man; fair, over others and WABC slop. [Connelly\*E-MA] JUN 21 0054 – Man and woman in Spanish; fair, over other (Egypt?). [Connelly\*O-MA]
- 783 **MAURITANIA** *R.Mauritanie*, Nouakchott JUN 21 0028 – Man in Arabic; to fair peak over probable Spain. [Connelly\*O-MA]
- 837 **CANARY ISLANDS//SPAIN** *COPE* sychros MAY 29 0101 – Man in Spanish; mixed with France. [Connelly\*E-MA]
- 837 **FRANCE** *France Info*, Nancy MAY 29 0101 – Woman in French; mixed with *COPE*. [Connelly\*E-MA]
- 864 **FRANCE** *France Bleu*, Villebon-sur-Yvette JUN 21 0100 – Man in French; poor to fair. [Connelly\*O-MA]
- 909 **UNITED KINGDOM** *BBC Radio 5* sychros JUN 21 0059 – Two men in English; in WAEI slop. [Connelly\*O-MA]
- 918 **SPAIN** *R.Inter*, Ctra Humera MAY 29 0058 – Woman in Spanish; through 920 WHJJ slop. [Connelly\*E-MA]
- 936 **SPAIN** *RNE5* sychros MAY 29 0030 – Parallel 1107 with guitar music; fair. [Connelly\*E-MA]
- 945 **FRANCE** *France Info*, Toulouse MAY 29 0030 – Parallel 1206 with *France Info* theme, woman in French; fair. [Connelly\*E-MA] JUN 21 0100 – *France Info* theme, news by man in French; to fair peak. [Connelly\*O-MA]
- 972 **GERMANY** *NDR Info*, Hamburg JUN 21 0054 – Man in German; in WZAN slop. [Connelly\*O-MA]

- 981 **ALGERIA** *Chaîne 2*, Algiers JUN 21 0029 – Slow vocal; fair. 0054 male vocal, strings; good. [Connelly\*O-MA]
- 999 **SPAIN** *COPE* Madrid MAY 29 0030 – Man in Spanish; poor, in WINS IBOC. [Connelly\*E-MA]
- 1026 **SPAIN** *SER* synchros MAY 29 0029 – Echoey Spanish talk by man; poor, in WBZ slop. [Connelly\*E-MA]
- 1053.1 **LIBYA** *R.Libya*, Tripoli MAY 29 0101 – Bits of Arabic music. [Connelly\*E-MA]
- 1053 **UNITED KINGDOM** *TalkSport* synchros JUN 21 0059 – Parallel 1089 with man in interview; poor with 1053.1 Libya growl. [Connelly\*O-MA]
- 1089 **UNITED KINGDOM** *TalkSport* synchros MAY 29 0100 – Man said, “Good morning,” to phone caller; poor. [Connelly\*E-MA] JUN 21 0101 – News by man in English; poor to fair. [Connelly\*O-MA]
- 1098 **SPAIN** *RNE5* synchros MAY 29 0030 – Parallel 1107 with guitar music, male vocal; to fair peak. [Connelly\*E-MA]
- 1107 **SPAIN** *RNE5* synchros MAY 29 0029 – Sports-related Spanish talk by man and woman, then guitar jazz; good. [Connelly\*E-MA]
- 1152 **SPAIN** *RNE5* synchros MAY 29 0101 – Parallel 1107 with Spanish news by woman. [Connelly\*E-MA]
- 1179 **CANARY ISLANDS//SPAIN** *SER* synchros MAY 29 0030 – Telco-audio Spanish talk by man; fair in 1170 WFPB slop. [Connelly\*E-MA]
- 1206 **FRANCE** *France Info*, Bordeaux MAY 29 0030 – *France Info* music, woman in French; fair. [Connelly\*E-MA]
- 1215 **SPAIN** *COPE* synchros MAY 29 0029 – Man in Spanish; fair, dominant. [Connelly\*E-MA]
- 1215 **UNITED KINGDOM** *Absolute Radio* synchros JUN 21 0059 – Song “Owner of a Lonely Heart” by Yes; good. [Connelly\*O-MA]
- 1242 **FRANCE** *France Info*, Marseille MAY 29 0031 – Woman in French; fair over 1240 WBUR slop. [Connelly\*E-MA]
- 1341 **NORTHERN IRELAND** *BBC R.Ulster*, Lisnagarvey JUN 21 0129 – Woman in English; poor. [Connelly\*O-MA]
- 1377 **FRANCE** *France Info*, Lille MAY 29 0001 – News by woman in French; to fair peak. [Connelly\*E-MA] JUN 21 0100 – *France Info* theme, news by man in French; in tough slop. Signal improved considerably by 0101 UTC. [Connelly\*O-MA]
- 1422 **ALGERIA** *R.Algérienne*, Algiers JUN 21 0102 – Mideast dance-club music with thumping drums; over Germany. [Connelly\*O-MA]
- 1422 **GERMANY** *Deutschlandfunk*, Heusweiler MAY 29 0100 – *Deutschlandfunk* electronic sounder; over others. [Connelly\*E-MA]
- 1458 **UNITED KINGDOM** *Sunrise Radio*, Brookmans Park JUN 21 0129 – Bits of Indian music; in slop. [Connelly\*O-MA]
- 1521 **SAUDI ARABIA** *BSKSA* Duba MAY 29 0000 – 5+1 pips, woman in Arabic, news fanfare music, man in Arabic; fair to good. [Connelly\*E-MA] JUN 21 0100 – Pips, news by man in Arabic; fair. [Connelly\*O-MA]
- 1557 **FRANCE** *France Info*, Le Col de La Madonne MAY 29 0001 – Parallel 1377 with news by woman in French; to good peak over WQEW slop. [Connelly\*E-MA] JUN 21 0053 – Woman in French; through WQEW slop. [Connelly\*O-MA]

#### Pan-American DX

- 550 **VENEZUELA** *YVKE Mundial*, Caracas JUN 10 0700 – Over/under WSJW; end of news, then a long jingle, “Radio Mundial... todo Venezuela...” [Conti-NH]
- 570 **CUBA** *R.Relej*, Santa Clara JUN 21 0030 – Ticks, RR beeps; over unID Latin American music (HIMS?) and WMCA. [Connelly\*O-MA]
- 580 **PUERTO RICO** *WKAQ* San Juan MAY 29 0031 – *WKAQ* ID, sports promo; good. [Connelly\*E-MA] JUN 21 0101 – Man in Spanish, *WKAQ* ID; mixed with *WTAG*. [Connelly\*O-MA]
- 590 **CUBA** *R.Rebelde*, Guantánamo JUN 16 0916 – Fair, female opera, parallel 600, 1180 etc. No *R.Musical Nacional* on at this listen, which would normally block this one here. [Krueger-FL]
- 600 **CUBA** *R.Rebelde*, San Germán JUN 21 0101 – Sped-up 9-note *Rebelde* sounder; mixed with *CBNA*. [Connelly\*O-MA]
- 600 **PUERTO RICO** *WYEL* Mayagüez MAY 29 0030 – Parallel 580 *WKAQ* with fast-talk adverts, Mayaguez mention, promo’s; fair. [Connelly\*E-MA]
- 610 **BRAZIL** *ZYL268 R.Itatiaia*, Belo Horizonte MAY 29 0059 – Man with fast Portuguese shouting (sports?); under *WGIR*. [Connelly\*E-MA]

- 630 **PUERTO RICO** WUNO San Juan MAY 29 0030 – Uno ID's/mentions in fast Spanish talk; under WPRO. [Connelly\*E-MA]
- 640 **GUADELOUPE** *R.Guadeloupe*, Pointe-à-Pitre MAY 29 0101 – News by woman in French; over CBN. [Connelly\*E-MA]
- 660 **MEXICO** XEACB Cd. Delicias, Chih. JUN 26 0600 – Chihuahua anthem is ending, then full ID but for FM side only, XHACB, 98.9, La Lupe, Ciudad Delicias, street address. Quite by chance my only two XE logs today are both from this town which is a frequent visitor. [Hauser-OK]
- 670 **CUBA** *R.Rebelde*, multiple sites MAY 29 0100 – Parallel 710 with 9-note Rebelde sounder, Spanish news; dominant. [Connelly\*E-MA] JUN 21 0100 – Parallel 600 with sped-up 9-note Rebelde sounder, man in Spanish; over apparent YVLL. [Connelly\*O-MA] JUN 22 0700 – Fair; sounder and news with significant echo from delay between stations. [Conti-NH]
- 670 **CUBA** *R.Relej*, unknown site JUN 22 0300 – Under *R.Rebelde*; RR code IDs. First time logged on this frequency. [Conti-NH]
- 690 **BRAZIL** ZYH587 *R.Shalom*, Fortaleza JUN 21 0059 – Portuguese male preacher; under CKGM. [Connelly\*O-MA]
- 700 **BRAZIL** ZYK686 *R.Eldorado*, São Paulo MAY 29 0031 – Woman in Portuguese, possibly religion; to fair peak through WOR IBOC. [Connelly\*E-MA] JUN 21 0101 – News by man in Portuguese; poor on USB (IBOC wiped out LSB). [Connelly\*O-MA]
- 710 **CUBA** *R.Rebelde*, multiple sites MAY 29 0100 – Parallel 670 with 9-note Rebelde sounder, Spanish news; under WOR. [Connelly\*E-MA]
- 710 **MEXICO** XEDP Cd. Cuauhtémoc, Chih. JUN 1 1123 – Low German, very poor signal about to fade out, so XEDP. JUN 2 0509 – Spanish talk about carreras, with crowd noises, from southwest, no doubt XEDP again, as this is another late *béisbol* game, carreras meaning “runs,” altho home run is traditionally pronounced “*jonrón*.” JUN 21 0548 – Some station is off frequency to the lo side, making a LAH, and the het loops northeast/southwest along with the dominant audio which I qualify as *música romántica*. Yet I still suspect XEDP which is the usual dominant despite being listed by Cantú as the lowest-power of all XEs on 710, only 100 watts at night (7 kW day) but frequently heard elsewhere, it's not off-frequency. [Hauser-OK]
- 720 **BRAZIL** ZYI770 Recife or ZYK276 Porto Alegre JUN 21 0059 – Reverberated Portuguese talk by man; poor on LSB (USB wiped out by WOR IBOC). [Connelly\*O-MA]
- 720 **MEXICO** XEAVR *R.Fórmula*, Veracruz, Ver. JUN 16 1025 – Lottery numbers at 1026, slogan ID followed by calls. Fair, with *R.Católica*, Nicaragua briefly mixing at 1030 UTC. [Krueger-FL]
- 720 **NICARAGUA** *R.Católica*, Managua JUN 19 1026 – Spanish Christian vocals with local themed style, male time check and ID at 1030. Very good, and no trace of XEAVR in this brief listen. [Krueger-FL]
- 750 **CUBA** *R.Progreso*, Palmira JUN 15 1016 – A full second behind 640 (as seem to be most other Progreso outlets). National news items, male host, lots of remotes. Very good. [Krueger-FL]
- 750 **VENEZUELA** YVKS RCR Caracas MAY 29 0101 – “Venezolano” mention in talk by woman; over CBGY. [Connelly\*E-MA] JUN 21 0031 – “RCR presenta... deportivo”; fair, over CBGY. [Connelly\*O-MA]
- 760 **BRAZIL** ZYH588 *R.Uirapuru*, Fortaleza MAY 29 0030 – Woman and man in Portuguese teletalk or phone interview; fair, alone on channel. [Connelly\*E-MA] JUN 21 0059 – ID “Radio Uirapuru, en Fortaleza”; fair, dominant. [Connelly\*O-MA]
- 770 **MEXICO** XEACH Monterrey, NL JUN 25 0513 – Mexican music is dominating, 0515 “*más info en Grupo Fórmula, Estilo de Vida*” segment. Music must have been just a break in the talk format. [Hauser-OK]
- 780 **VENEZUELA** YVMN *R.Coro*, Coro JUN 9 0500 – Over/under WBBM; jingle with “*patrimonio de la comunidad*” slogan, then a nostalgic vocal. [Conti-NH]
- 790 **MEXICO** XENT La Paz, BCS JUN 17 1110 – News in Spanish dominates the interference, about bajacalifornianos; at 1111 a timecheck in “*hora central de México*” and *R.Fórmula* ID, “*cubriendo todo México y Estados Unidos*,” adstring, 1115 *Fórmula* 970 promo, which is the flagship station XERFR whose IDs get relayed everywhere. So is it XENT, 5/0.75 kW as in IRCA? Probably, altho this may be during national network news, and there is another *Fórmula* on 790 in Guadalajara, supposedly a 1 kW daytimer. Cantú shows XENT at 10/0.75 kW and XEGAJ as 0.25 kW day and nite. WRTH agrees with IRCA on XENT and with Cantú on XEGAJ. [Hauser-OK]

- 790 **MEXICO** unID JUN 1 1123 – Man and woman talk in Spanish remnant a few minutes after sunrise here, northeast/southwest, must be Chihuahua or La Paz, both listed well less than 1 kW night power but 5 kW day power. [Hauser-OK]
- 800 **BONAIRE** PJB *TransWorld Radio*, Kralendijk JUN 21 0100 – Bit of religious music, woman in Spanish, then man with “Radio Transmundial” ID; over WNNW, others. [Connelly\*O-MA]
- 830 **DOMINICAN REPUBLIC** *Radio HIJB*, Santo Domingo JUN 6 0400 – Under domestics WEEU Pennsylvania and WTRU North Carolina, heard what sounds like a sign-off announcement in Spanish (“oyentes... a partir de las seis de la mañana” – listeners... from six in the morning), then a nice rendition of the DR national anthem, followed by some pop-ish Spanish music with a quick fade-out. Clip posted at [www.dropbox.com/s/mivzw9pwbbhactu/830-HIJB\\_DR\\_pres.mp3](http://www.dropbox.com/s/mivzw9pwbbhactu/830-HIJB_DR_pres.mp3). Thanks to Chuck Hutton and others on RealDX for assistance. 2013 WRTH lists 10kW night power and a sign-off time of 0300, so it’s conceivable this was them given the disturbed conditions of the past week. [Saylor-PA]
- 840 **BRAZIL** ZYK687 *R.Bandeirantes*, São Paulo MAY 29 0030 – Man in Portuguese mentioned futebol, into brief instrumental march version of “I’ve Been Working on the Railroad,” pips on half-hour; good. [Connelly\*E-MA]
- 840 **HAITI** *Radio 4VEH*, Cap Haitien JUN 21 0100 – Man in French, music flourish; fair, over Brazil. [Connelly\*O-MA]
- 850 **MEXICO** XEM Chihuahua, Chih. JUN 21 0544 – Dominant signal is not KOA but Spanish from about 90 degrees away, Milenio Radio with news talk, ID/promo as 103punto7.com (I don’t find such a website or with variations; maybe just part of an e-mail address) and at 0545, “XHHEM 103.7 y XEM 850, Milenio Radio, Chihuahua, Chihuahua.” As KOA is fading back in but still it’s the one to be heard in a null of XEM rather than vice-versa. Per Cantú, XEM is 500 watts night, 5 kW day, and confirms the FM 103.7 call – in this case with an original 3-letter AM call, a double-H gets inserted for the duplicator. [Hauser-OK]
- 860 **BRAZIL** ZYJ459 *Radio CBN*, Rio de Janeiro MAY 28 2359 – Woman in Portuguese; over VON. [Connelly\*E-MA] JUN 21 0030 – Woman in Portuguese, emphasis music; to fair peak over VON. 0100 screaming woman in Portuguese; over VON and CJBC. [Connelly\*O-MA]
- 860 **ST. KITTS & NEVIS** VON Bath Village MAY 29 0000 – Talk, “With all the power from the tower... powerhouse of the eastern Caribbean... VON Radio”; over Brazil. [Connelly\*E-MA] JUN 21 0029 – Caribbean-accented man mentioned something happening this Sunday, then “there’s more music on the way”; briefly over Brazil. [Connelly\*O-MA]
- 940 **BRAZIL** ZYJ453 Rio de Janeiro MAY 29 0031 – Rustic music, then man in Portuguese; good, over WIPR. [Connelly\*E-MA] JUN 21 0030 – Man in Portuguese; slightly over WIPR. [Connelly\*O-MA]
- 939.88 **MEXICO** XEQ *Bésame*, Mexico, DF JUN 9 0800 – “Tres de la mañana” time check into canned promo/ID lost to 940 WMAC splatter. [Conti-NH]
- 940 **PUERTO RICO** WIPR *Máxima 940*, San Juan MAY 29 0001 – “Máxima, Nueve Cuarenta” ID; over Brazil. [Connelly\*E-MA] JUN 6 0300 – Fair; promo/ID, “...Máxima 940 AM,” into religious program. JUN 10 0600 – Fair; “...la Máxima 940” and orchestra music. [Conti-NH] JUN 21 0054 – News in Spanish with items about Mayaguez; good, over Brazil. [Connelly\*O-MA]
- 960 **MEXICO** unID JUN 17 1013 – Also several days check after. Format is Spanish ballads, not quite the typical annoying Mexi-tunes sound, followed by various male short, canned drops. But I can’t get the slogan. Then 970 WFLA IBOC kicks in at 1030, killing this one. Some WRFC and WERC (both news/talk) and weak *R.Rejoj*, Guantánamo co-channel at times. [Krueger-FL]
- 990 **MEXICO** XET Monterrey, NL JUN 15 0511 – No CBW but mix of two Spanish speaking stations; on top is KFCD Texas which must be on day pattern. Alternately fading up and down with XET up for a while as the 94-year-old DJ mentions this is his show #18,359, i.e. every night for over 50 years. His tunes and announcements are interspersed with automated time and temp checks, only 9 grados? Got that wrong? [Hauser-OK]
- 1000 **BRAZIL** ZYK522 *R.Record*, São Paulo MAY 29 0101 – Music then man in Portuguese; slightly over WINS IBOC hash. [Connelly\*E-MA] JUN 21 0030 – Slow talk by man in Portuguese over some background music; better on USB to dodge WINS IBOC and 999 het. [Connelly\*O-MA]
- 1010 **BRAZIL** ZYH625 *Radio CBN*, Fortaleza JUN 21 0031 – Man and woman in Portuguese; just a bit under WINS. [Connelly\*O-MA]





- 1060 **CUBA** *Radio 26*, Jovellanos JUN 6 0400 – Over/under KYW; piano music, time marker and choral national anthem. JUN 9 0600 – Over/under KYW; canned ID with piano music, “Esta es Radio 26, desde Matanzas, Cuba.” [Conti-NH]
- 1070.127 unID MAY 29 0000 – Het, bits of audio. [Connelly\*E-MA]
- 1080 **CUBA** *R.Ciudad de la Habana*, unknown site JUN 22 0501 – Under WTIC; distinctive hourly musical signature. Thanks to Brett Saylor for help with ID. Is *R.Cadena Habana* carrying *R.Ciudad*? [Conti-NH]
- 1080 **CUBA** *R.Surco*, unknown location JUN 6 0400 – Good on top of WTIC; slow orchestral music, *R.Surco* ID by man and program details in Spanish and “muy buenos días,” Cuban anthem, then another ID, “Transmite CMIP Radio Surco, desde Ciego de Avila, capital de la locución Cubana.” Not heard on 1080 before (last time was on 1140 kHz). [Saylor-PA]
- 1080 **CUBA** unID JUN 12 0400 – Two different Cubans, the national anthems were about a minute apart. Unfortunately, conditions weren’t good enough to get an ID or tell who they were. But that supports the idea that there are at least two different stations/different locations on this frequency. [Saylor-PA]
- 1100 **BRAZIL** ZYK694 *R.Globo*, São Paulo MAY 29 0029 – Fast Portuguese talk with São Paulo mentions; good, over WTAM. [Connelly\*E-MA] JUN 21 0101 – Sweep tones, “Radio Globo noticias”; fair to good; audio [www.qsl.net/wa1ion/audio1/globo-1100\\_20130621\\_0101z.mp3](http://www.qsl.net/wa1ion/audio1/globo-1100_20130621_0101z.mp3). [Connelly\*O-MA]
- 1110 **CUBA** *R.Angulo*, Holguín JUN 21 0800 – Fair, over WBT; canned ID with “La Bella Cubana” violin instrumental and reverb, then doorbell chimes. [Conti-NH]
- 1110 **VENEZUELA** YVQT *R.Carúpano*, Carúpano JUN 21 0031 – *R.Carúpano* ID; under WPMZ. [Connelly\*O-MA]
- 1140 **CUBA** *R.Rebelde*, multiple sites JUN 22 0659 – Under WRVA; sounder and news with splashy attention signal between items, parallel 670 kHz. [Conti-NH]
- 1140 **CUBA** *R.Surco*, Morón JUN 6 0300 – Fair; canned ID with electric organ/synth, “Transmite CMIP Radio Surco, desde Ciego de Avila, capital de la locución cubana.” [Conti-NH]
- 1140 **CUBA** *R.Musical Nacional*, unknown site JUN 21 0500 – Under *R.Surco* and WRVA; familiar classical harp of canned ID. [Conti-NH]
- 1150 **CUBA** *R.Bayamo*, Bueycito JUN 6 0400 – Over/under WWDJ; choral national anthem and doorbell chimes. [Conti-NH]
- 1160 **BERMUDA** VSB3 Hamilton JUN 21 0100 – Pips, “BBC World Service news” mention; slightly over jumble with WVNJ, WOBM, and WSKW. [Connelly\*O-MA]
- 1170 **COLOMBIA** HJNW CARACOL Cartagena JUN 21 0054 – Likely this with excited sports talk by man in Spanish; dominant after WFPB sign-off and before WWVA fade-up. [Connelly\*O-MA]
- 1179 **CUBA** *R.Rebelde*, unknown location JUN 6 0800 – Presumed one of the *R.Rebelde* outlets off-frequency, producing a loud het against 1180 *R.Rebelde* and WHAM. [Conti-NH]
- 1180 **MEXICO** XEJK *Ke Buena*, Cd. Delicias, Chih. JUN 26 0544 – From music to Soriana ad (national department store chain), 0545 “Que Buena, Ciudad Delicias, Chihuahua, 11, 44.” OK with Cuba nulled and 1170 KFAQ Tulsa IBOC noise minimized as much as possible. I also had two logs of this last October. [Hauser-OK]
- 1210 **CUBA** *R.Rebelde*, unknown site JUN 21 0800 – Rebelde sounder heard under WPHT. [Conti-NH]
- 1220 **BRAZIL** ZYJ458 *R.Globo*, Rio de Janeiro MAY 28 2358 – Two Globo ID’s, lounge-type Portuguese male vocal; good. [Connelly\*E-MA] JUN 21 0030 – Fast Portuguese talk by man; sometimes over WWSF. [Connelly\*O-MA]
- 1220 **CUBA** *R.Caribe*, La Fe, Isla de la Juventud JUN 16 0915 – Excellent, with end of a nice traditional Cuban music canned program, female with upcoming 26 de Julio hype, including praise for Máximo Gómez contributions, live ID by man at 1001. Caribe not present and seemingly off around the same time the next morning, but back on June 18 with the same huge signal. JUN 20 0028 – Rapidly growing signal when the day power of WSRQ Sarasota dropped. Nice female canned ID 0100. No trace of the 1210 parallel on all of the above listens that’s otherwise gone unreported elsewhere, but heard here a couple of times. [Krueger-FL]
- 1310 **MEXICO** XEVB Monterrey, NL JUN 17 1100 – I am unavoidably awake just before sunrise, so start tuning down the MW band in search of Mexican national anthems. Finally hit one here at 1103, heavy interference, but during full ID at 1104 I can make out a mention of Monterrey, and maybe a slogan, Radio Extremo? Anyhow, IRCA Log shows the NL station is XEVB, 5/0.1 kW, slogan “Mujer” = woman. Cantú agrees except power as 5/0.25 kW. WRTH agrees with that except name as “Radio Mujer.” [Hauser-OK]

- 1610 **ANGUILLA** *Caribbean Beacon*, The Valley JUN 21 0031 – Woman preaching about forces of evil not being eradicated until the Second Coming; strong, way over Canadian. [Connelly\*O-MA]
- 1620 **CUBA** *R.Rebelde*, La Habana and Guantánamo MAY 29 0100 – Rebelde news with electronic “splash” sounds; dominant. [Connelly\*E-MA]
- 1620 **CUBA** *R.Bayamo*, Bayamo JUN 9 0500 – Over/under *R.Rebelde*; canned ID and doorbell chimes parallel 1150 kHz. [Conti-NH]
- 1620 **U.S. VIRGIN ISLANDS** WDHP Frederiksted JUN 21 0031 – Caribbean-accented woman with phone number having “7196” in it, then into reggae song; briefly over Cuba. [Connelly\*O-MA]

### Contributors

Mark Connelly WA1ION, Eastham MA and Orleans MA; Microtelecom Perseus, cardioid-pattern Micro-SuperLoop on car roof, square, 2 m per side, with Clifton Laboratories Z10130A amp on east bottom corner to speaker wire to 2:1 xfmr to W7IUV amp, and 9:1 xfmr on west corner to speaker wire to 500 ohm null-adjust potentiometer.

Bruce Conti WPC1CAT, Nashua NH; WinRADiO Excalibur, MWDX-5 phasing unit, 15 x 23-m variable termination SuperLoop antennas 60° northeast and 180° south.

Glenn Hauser, Enid OK; DX-398 with internal antenna.

Terry L. Krueger, Clearwater FL; JRC NRD-535, Icom IC-R75, Hammarlund HQ-180A, Sony ICF-7600GR, Sangean PR-D5, Aqua Guide 705 RDF Marine Radio, GE Superadio III, JPS NF-60 Notch Filter, JPS ANC-4 Noise Phase, 1 X roof dipole, 1 X room random wire, Terk Advantage non-active portable loop.

Brett Saylor, Central PA; Perseus SDR with 16 x 36-ft SuperLoop pointed at 180°.

### International News

**NETHERLANDS:** 1602 *R.Waddenzee* will go dark JUN 29 1900 local, due to lack of ad income. [www.radiowaddenzee.nl via Jurgen Bartels, *mwdx*]

**ST. KITTS & NEVIS:** Vere Galloway at ZIZ confirmed that 555 kHz is off the air (again); “The tower is corroded. We have to take it down. Should be back up later in the year.” [Conti]

### Louisbourg, Nova Scotia, DXpedition

May 24 - 26, 2013

Report by Niel Wolfish, DXing with Ken Alexander

All logs were made from the car using the WinRADiO Excalibur SDR and the Wellbrook Loop. Essentially we went out to a parking area near the Fortress of Louisbourg and ran a coax cable out to a post that said “no emergency vehicle parking” and strung up a simple wire loop. A joint effort. Ken’s wire, my Wellbrook, Ken’s Excalibur, Ken’s laptop computer, I drove the rental car and Ken woke me up for the sunrise sessions. So no unattended recordings. We’d hop in the car from the cottage, drive four minutes and then set up, which took another couple of minutes. Then sit patiently on 1100 at hourtop or hourbottom while the Excalibur did its thing. Then back to the cottage where Ken would transfer the ddc files to a thumbdrive and I’d put them on my computer. I have 16 separate files to go through, so I may never finish. Especially as Ken was doing recordings that were 8 minutes long. And every evening as I’m trying to go through my files, I’m getting e-mails from Ken with, “What do you think this is?” recordings. Ken also got a few longwave recordings. I had no interest in those, but I did have to sit in the car listening to 8 or 9 minutes of 316 kHz until he stopped the recording.

Actually, I’m surprised that Ken was as eager as he was to get that many recordings. Especially the sunrise ones. At least on the final day the fog lifted, and we could actually see the sun come up over Louisbourg harbour, along with the lobster boats going out to work.

It would have been nice to listen from the cottage, but the noise level was bad. On the plus side, it did have WiFi. The other downside was on Saturday morning when we were done with our DXing, Ken wanted to go to Tim Horton’s for “breakfast” 30 minutes away in Sydney. But we went...

I have a zillion unidentifieds, so I have not included a lot of them (including various mystery stations from Brazil) unless there’s something I think is IDable. Eventually, I’ll have to spend some time with RealDX for help. And I did not pay too much attention to the TA frequencies.

### Trans-Atlantic

- 549 **ALGERIA** *Jil FM*, Les Trembles MAY 24 2356 – Man and woman talking. Sounded like she was on the phone. Started playing dance music at 0003 and then took another phone call.

- 684 **SPAIN** *RNE1* Sevilla MAY 16 2358 – End of male pop vocal, pips, time check as “2, 1 in the Canary Islands,” ID and newscast.
- 945 **FRANCE** *France Info*, Toulouse MAY 26 0200 – Woman with news.
- 954 **SPAIN** *Onda Cero*, Madrid MAY 26 0000 – Pips and “Noticias Onda Cero” followed by man reading news.
- 972 **SPAIN** *RNE1* sychros MAY 25 0000 – Pips and ID into news. Weaker than 855 kHz.
- 1152 **SPAIN** *RNE5* sychros MAY 26 2355 – Parallel to 855 with man and woman talking and a brief soft-folk type vocal. 0000 into pips and ID into news. Poor signal.
- 1215 **SPAIN** *COPE* sychros MAY 25 0004 – Upfaded over *Absolute Radio* with news by man and ID.
- 1215 **UNITED KINGDOM** *Absolute Radio* sychros MAY 24 2355 – Lenny Kravitz “Fly Away” and Bon Jovi song.
- 1305 **SPAIN** *RNE5* sychros MAY 26 0000 – Pips and ID into news parallel 1152 kHz.
- 1341 **NORTHERN IRELAND** *BBC R.Ulster*, Lisnagarvey MAY 25 0000 – ID and news by woman.
- 1377 **FRANCE** *France Info*, Lille MAY 24 2357 – Instrumental music. ID at 0000 by man into newscast.
- 1550 **ALGERIA** *RASD* Rabouni MAY 26 2325 – Talk by man in Arabic. Probably sign-off announcement as anthem followed. A Latin started to fade in after carrier dropped.

### Latin American

- 530 **CUBA** *R.Rebelde*, Guantánamo MAY 25 0800 – Rebelde news sounder/jingle and news underneath presumed *R.Enciclopedia* playing classical music.
- 550 **VENEZUELA** *YVKE Mundial*, Caracas MAY 25 0756 – Strong with Spanish pop/adult contemporary style vocals. ID at 0800 mentioning frequency.
- 560 **CUBA** *R.Rebelde*, MAY 25 0758 – Lively music and Rebelde news sounder and news parallel 1180 kHz. Mixing with *WGAN* Portland.
- 560 **GUYANA** *Voice of Guyana*, Georgetown MAY 25 2356 – Some kind of music countdown program. Commercial for Republic Bank and ID as *Voice of Guyana* with announcer giving time as “20 hours 1.” Then lotto results by a woman where she read the numbers live for the “Draw de Line” draw and then she did the “Lucky 3” draw. Fair and alone.
- 570 **CUBA** *R.Reloj*, Santa Clara MAY 25 0759 – News with ticking clock, ID and 4 a.m. time check. Strongest of all the *Relej* outlets.
- 580 **CUBA** *R.Rebelde*, Mabujabo MAY 25 0800 – Rebelde sounder heard under *WKAQ*.
- 580 **PUERTO RICO** *WKAQ* San Juan MAY 25 0758 – Over *R.Rebelde* with talk program.
- 600 **CUBA** *R.Rebelde*, San Germán MAY 25 0759 – Parallel to 1180, etc.
- 610 **COLOMBIA** *HJKL* Bogotá MAY 26 0757 – Latin American music. ID and *RCN* news.
- 610 **CUBA** *R.Rebelde* MAY 25 0759 – Parallel to 600, 1180, etc.
- 620 **CUBA** *R.Rebelde*, Colón MAY 25 0756 – Parallel to 710, 1180, etc.
- 630 **ARGENTINA** *LS5 R.Rivadavia*, Buenos Aires MAY 25 2357 – Spanish vocal. Man talking over 6 pips on hour. Seemed to be an ID and into news? Various mentions of websites with “punto.com.ar” and Argentina at 0003. All alone on frequency.
- 630 **VENEZUELA** *YVKA R.Nacional Venezuela*, Caracas MAY 25 0803 – Strong with many mentions of “El Chavismo” interspersed with bits of singing and a man talking about Venezuela and revolución. A second Latin American station audible underneath.
- 640 **CUBA** *R.Progreso* MAY 25 0755 – Lively music. Promo for Saturday night música ritmos program and ID. Parallel to 900 kHz.
- 650 **CUBA** *R.Progreso*, Ciego de Avila MAY 25 0758 – Weaker than 640 with ID at 0758. Another Latin underneath.
- 670 **CUBA** *R.Rebelde* MAY 25 0759 – Parallel to 1180, etc. Sounds like there’s a *R.Relej* here too in the background but I don’t see one listed. MAY 26 0200 – Beisbol. At 0202 he gives a “Radio Rebelde con CMHW” ID.
- 680 **PUERTO RICO** *WAPA* San Juan MAY 26 0201 – “Esta es la poderosa, WAPA seis ochenta AM, San Juan-Arecibo... la señal mas ponderosa con la máximo en la noticias,” and “WAPA Radio” jingle. Then chime and “diez y dos” time check. “Diez cinco” time check at 0205.
- 680 **VENEZUELA** *YVQR R.Continente*, Cumaná MAY 26 0800 – Man in Spanish. Mentions of Puerto La Cruz and Caracas and ID mentioning frequency at 0801 followed by male vocal. Lost to *WRKO*.
- 690 **BRAZIL** *ZYH587 R.Shalom*, Fortaleza MAY 26 2330 – Presumed with Portuguese music.
- 690 **CUBA** *R.Progreso*, Santa Clara MAY 25 0755 – Parallel to 630 and 640 kHz.
- 690 unID MAY 25 0802 – “Atenciones México, W” said by man, followed by music. MAY 26 0800 – Strong with lively music, ID, “W Radio... punto siete FM.” 0804 ID says “canciones

Mexico, W" or something like that. Strong over CKGM Montreal. *W Radio* from Colombia, or XEWW Tijuana?

- 700 **ARGENTINA** LV3 *R.Córdoba Cadena 3* MAY 25 0758 – Romantic music, ID after hourtop at 0801 with mentions of Argentina and "Cadena 3." I think there is another Latin here too. Getting trashed by IBOC courtesy WOR.
- 710 **CUBA** *R.Rebelde* MAY 25 0758 – Female vocal parallel 1180 kHz.
- 720 **BRAZIL** ZYK276 *R.Guaíba, Porto Alegre* MAY 25 0756 – "One" by U2, ID by man that mentions "Onda Corta"? A bit of dead air after hourtop followed by accordion music, rooster noises and man saying, "Bom dia."
- 730 **CUBA** *R.Progreso, La Fe* MAY 25 0802 – Female vocal parallel 900, mixing with CKAC.
- 750 **CUBA** *R.Progreso, Palmira* MAY 25 0802 – Parallel 900, another Latin in here too.
- 760 **BRAZIL** ZYH588 *R.Uirapurú, Fortaleza* MAY 24 2358 – Woman in Portuguese, full ID at 0000 with frequency given. MAY 26 2328 – Man on phone with woman, gave out phone number. A phone in program as announcer said to each caller, "Ola boa noite" (or something like that).
- 760 **COLOMBIA** HJAJ Barranquilla MAY 25 0757 – Latin American music mixing with WJR. "RCN" ID heard.
- 770 **CUBA** *R.Rebelde, Victoria de las Tunas* MAY 25 0800 – Parallel to 1180, mixing with WABC.
- 780 **VENEZUELA** YVMN *R.Coro, Coro* MAY 25 0758 – IDs, jingles and lively music.
- 790 **CUBA** *R.Reloj* MAY 25 0755 – "RR" code heard in mess.
- 790 **VENEZUELA** YVXM *R.Minuto, Barquisimeto* MAY 25 0801 – Out of music with ID and jingle. Time check as "3:33." Over ESPN station and *R.Reloj*.
- 820 **CUBA** *R.Reloj, Ciego de Avila* MAY 25 0755 – "RR" heard in mess.
- 870 **CUBA** *R.Reloj* MAY 25 0755 – "RR" heard in mess.
- 900 **CUBA** *R.Progreso, San Germán* MAY 25 0755 – Lively music parallel to 640. Another Latin in here too.
- 910 **VENEZUELA** YVRQ Caracas MAY 25 0757 – Romantic music, doorbell sound effects, time check and "RQ" ID mentioning "traditional" music.
- 920 **PARAGUAY** *R.Nacional, Asunción* MAY 24 2340 – Folk music, several IDs heard. MAY 26 0200 – Possibly a fútbol match. Excited announcer says something about "republica Paraguay" and "Viva Paraguay" at 0201.
- 940 **PUERTO RICO** WIPR San Juan MAY 25 0832 – "Maxima noventa cuarenta" ID.
- 960 **CUBA** *R.Reloj* MAY 25 0755 – Usual stuff (news, RR IDs).
- 980 **BRAZIL** ZYH707 *R.Nacional, Brasilia* MAY 26 2328 – Poor but in the clear with spots. Possibly a promo for a futebol broadcast?
- 1000 **COLOMBIA** HJAJ Cartagena MAY 25 0826 – RCN ID heard.
- 1000 **CUBA** *R.Granma, Media Luna* MAY 25 0830 – ID and jingle. Mixing with Colombian.
- 1020 **CUBA** *R.Reloj, Victoria de las Tunas* MAY 25 0755 – Usual ticking clock and news. Another Latin in here too.
- 1030 **ARGENTINA** LS10 *R.Del Plata, Buenos Aires* MAY 25 2358 – Talk by man and woman and ID as "Radio Noticias Del Plata." Gave time check as "la hora nueve" into some kind of political speech. WBZ way behind.
- 1040 **BRAZIL** ZYK537 *Capital Radio, São Paulo* MAY 26 2355 – Futebol pre-game show. National anthem at 2359 into futebol match. Seemed to be same game on 1100 kHz. (Their anthem reminds me a bit of the theme to Gomer Pyle USMC.)
- 1070 **COLOMBIA** HJCG *R.Santa Fe, Bogotá* MAY 25 0824 – IDs heard, mixing with another LA station.
- 1090 **BRAZIL** unID MAY 26 2358 – Woman in Portuguese, man and woman talking after 0000. Faded out before I could snag ID.
- 1100 **BRAZIL** ZYK694 *R.Globo, São Paulo* MAY 25 0800 – ID, jingles and newscast.
- 1100 **COLOMBIA** HJAT Barranquilla MAY 25 0801 – Caracol newscast.
- 1110 **VENEZUELA** YVQT *R.Carúpano, Carúpano* MAY 24 2358 – LA music, IDs, station promo and "Radio Carúpano, más música." There's a Brazilian with soccer in here also.
- 1130 **BRAZIL** ZYJ460 *R.Nacional, Rio de Janeiro* MAY 25 2357 – Talk about Campeonato Paulista. Lengthy bit with man talking about futebol with music playing in the background. WBBR began to upfade at hourtop.
- 1130 **VENEZUELA** YVRL *R.Ideal, Maiquetía* MAY 25 0004 – ID upfaded over WBBR.
- 1150 **ARGENTINA** LT9 *R.Brigadier López, Santa Fé* MAY 25 0800 – Out of James Brown "I Feel Good" into legal ID, "...LT9 Radio Brigadier López, Santa Fé," which also mentions an FM frequency of 92.5. Almost didn't stop for ID as I had figured this would be CKOC Hamilton with their oldies format.

- 1150 **BRAZIL** ZYK656 *Super R.Tupi*, São Paulo MAY 26 2354 – Seems to be two Portuguese stations here at this time. Seems to be a futebol match. Two guys talking with many mentions of “Portuguesa” (presumably the futebol club by that name). Very animated. Underneath I hear the Brazilian anthem at 2356.
- 1160 **ANTIGUA** *Caribbean Radio Lighthouse*, St. John’s MAY 27 0733 – Upfaded over Bermuda with kiddie religious program that sounded a bit like Unshackled. CRL website says this was “Sailor Sam,” a Moody Bible program for children (I guess for children who are listening in the nightmiddle).
- 1160 **BERMUDA** VSB3 Hamilton MAY 25 0757 – BBC World Service stuff. Promos for future programs. No ID at hourtop. Never heard any IDs in any recordings.
- 1160 unID MAY 25 2358 – A Latin in here, maybe two of them? Bermuda in here also. ID sounded like “Once cinquenta AM con la major música en todo...” I wonder if this is the Puerto Rican?
- 1180 **BRAZIL** unID MAY 25 2356 – Sounded like a shrieking male preacher with a more subdued woman in there occasionally. Went over hourtop with no ID. Could hear Rebelde way behind this.
- 1180 **CUBA** *R.Rebelde* MAY 25 0800 – Rebelde news sounder and news.
- 1190 **ARGENTINA** LR9 *R.América*, Buenos Aires MAY 25 2356 – Man with a commercial mixing with WLIB. Commercial sounded like it was for “loteria en la provincia de Buenos Aires.”
- 1190 **COLOMBIA** HJKG Tumaco MAY 26 0002 – Heard a “Caracol” mention in here. Mixing with Spanish religion at this time.
- 1200 **BRAZIL** unID MAY 25 2359 – A very weak anthem heard under WXKS. Seemed to be the same futebol as on 1040 kHz. Might have also been a second station at 2357 with guitar music and a male announcer.
- 1210 **CUBA** *R.Rebelde* MAY 25 0758 – Music, Rebelde news sounder and news under WPHT Philadelphia.
- 1220 **BRAZIL** ZYJ458 *R.Globo*, Rio de Janeiro MAY 25 0755 – Station promos.
- 1250 unID MAY 25 0830 – A Latin in here, possibly a “Radio Capital” ID. Colombia?
- 1260 **CUBA** *R.Progreso*, Media Luna MAY 25 0830 – With “Cielito Lindo” parallel 640, etc.
- 1260 unID MAY 25 2358 – Upfaded with man on phone with another man. Sounded like a program announcement and “7:58” time check by a man with a gong-like time sounder which puts it into UTC-4. Under CKHJ and gone by hourtop. Tried to parallel it to 680 hoping this might be Puerto Rico.
- 1280 **BERMUDA** VSB2 Hamilton MAY 26 0004 – With Unshackled, which fits BBN schedule. Under WCMN.
- 1280 **BRAZIL** ZYJ455 *Super R.Tupi*, Rio de Janeiro MAY 25 2355 – Another futebol broadcast with mentions of São Paulo and Paulista. Sounded like a very quick ID just before the Brazilian anthem cranked up at 2359. Religion underneath, which I assume was Bermuda.
- 1280 **PUERTO RICO** WCMN Arecibo MAY 26 0001 – Upfaded with sounded like a talk program with a man ranting about the banco central. *NotiUno* ID heard with call letters mention at 0003. Over top of the Brazilian.
- 1290 **VENEZUELA** YVLF *R.Puerto Cabello*, Puerto Cabello MAY 25 0759 – ID and Latin American music. WRNI Providence also in here.
- 1300 **VENEZUELA** unID MAY 27 0728 – Choral version of the Venezuelan anthem. ID at 0730 did not sound like listed *R.Recuerdos* to me.
- 1350 **ARGENTINA** LS6 *R.Buenos Aires*, Buenos Aires MAY 26 0000 – In Spanish under Nova Scotian. Upfaded over CKAD Middleton with tiny bit of drum music and several IDs and website given. MAY 26 2330 – Over CKAD with clear ID. Sounded like they went into a religious program.
- 1370 **VENEZUELA** YVSV *R.Nacional Venezuela*, Acarigua MAY 25 0830 – ID heard. There’s also a screaming LA preacher in here.
- 1380 **VENEZUELA** YVNG *Ondas Del Mar*, Puerto Cabello MAY 25 0827 – Several IDs and time check.
- 1390 unID MAY 25 0757 – Man singing about Puerto Rico. ID with what sounds like a “W” call. WISA? MAY 26 0002 – LA music under WEGP.
- 1400 **GRENADA** Harbour Light of the Windwards, Carriacou MAY 26 0001 – ID and religion under CBG Gander.
- 1430 **BRAZIL** unID MAY 25 2355 – Portuguese man with rapid-fire talk. Futebol. Spots and announcements. I think there’s another Latin American in here also.

- 1450 **BERMUDA** VSB1 Hamilton MAY 26 0000 – Out of Jackson Five “I’ll Be There” with ID as “AM 1450 Gold, your station for the hits of the 40s, 50s and 60s” into another oldie. Under CFAB Windsor.
- 1500 **VENEZUELA** YVRZ *R.Dos Mil*, Cumaná MAY 25 2355 – Romantic male vocals. Time check and station promo at 0001 and mention of program of traditional Venezuela music.
- 1540 **BRAZIL** unID MAY 26 0000 – Weak Portuguese, sounds like futebol.
- 1550 **BRAZIL** unID MAY 25 2357 – Weak Portuguese, sounds like futebol. Brazanthem heard at 2359 just like on 1040 kHz. Too weak.
- 1550 **CUBA** *R.Rebelde* MAY 25 0756 – Parallel to 1180 with uptempo music.
- 1610 **ANGUILLA** *Caribbean Beacon*, The Valley MAY 25 0000 – Assumed based on the non-stop religion going over the hourtop.
- 1620 **CUBA** *R.Rebelde* MAY 26 0201 – Sounds like a sporting event. Rebelde jingle sound heard.
- 1620 **US VIRGIN ISLANDS** WDHP Frederiksted MAY 26 0200 – ID by man with Cuban and possibly another Spanish station.
- 1620 unID MAY 27 0730 – A second Spanish station here with *R.Rebelde*.
- 1640 unID MAY 25 0757 – A Latin mixing with an ESPN station (WTNI Biloxi). Some kind of ID at 0800. MAY 26 0230 – A Latin in here again. Lively singing. Female announcer at 0231 talking for several minutes. Nothing else on frequency. 0758 female vocal mixing with WTNI. Maybe an ID at 0801 by man and more female vocal.
- 1660 **PUERTO RICO** WGIT Canóvanas MAY 26 0001 – Man and woman having a heated discussion with somebody on the phone. A bit of music at 0003 followed by station promo and a spot for a barbeque place.
- 1670 **ARGENTINA** *R.Rubi*, Rafael Castillo, La Matanza, Buenos Aires MAY 26 0200 – Under CJEU with a couple of IDs by woman and what sounded like program announcement with a bit of a reverb effect. ID sounds just like what I found on somebody’s YouTube recording of the station.
- 1680 **DOMINICAN REPUBLIC** HISV *R.Senda*, San Pedro De Macoris MAY 26 0204 – ID with calls at 0204 by man and program announcement by woman. Underneath WTTM.

73 and Good DX!

## *Musings of the Members*

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**Thoughts from NRC members. Local time per Muse.**

**All opinions expressed are those of the individual writers – they do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.**

Note Dave’s new snail mail address – this Musing was sent directly to the publisher, so Dave is still waiting for your latest news. – DY.

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Here’s a pre-convention muse. My thanks go out to sharp-eyed editor Dave Yocis for spotting my error in the most recent DDXD-E column. Obviously what I heard on 870 must have IDd as “WINU” and not “WIJR”. My mix-up stemmed from the fact that, after all these years, I thought the WINU calls were still on 880. I had mentioned in my last submission to this column that I was looking to host the 5th DX mid-AMerica get-together in Peoria, IL in April of this year. That obviously did not come off, but I am in discussion with DXers Frank Merrill and Earl Higgins, and in now looks like it will happen in Illinois on either Sept. 14 or 21 in either Bloomington or Champaign/Urbana. Just a one-day gathering, similar to the ones I’ve hosted in the past. Word of this will be passed along to DX News and an announcement will be made at the convention in Minneapolis as soon as I can get the last details nailed down. Just one new logging here on MW so far this summer, that being long-sought KFXE-1160 Waukon, IA at 2216 ELT on June 20th. See you all in the Twin Cities, and 73 de RWD.



# Pro Sports Networks

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## Network listings for professional sports play-by-play coverage

Steve Kennedy reports that the Philadelphia Phillies Spanish network has 99.5 W258BM-PA (translator for 1600 WHOL-PA, which is simulcast on 1400 WEST-PA. Also (Phillies), 1680-WTTM is -NJ, not -PA. "You mentioned that W290CG is 105.9, not 105.5. Here is my answer to that. I listen to WHLM a lot. Nearly a year ago they added a translator in Danville, PA, and it is definitely on 105.5. To this day they still have not given the call letters, even though they give them for the other 2 translators. They give this ID quite a lot, 'WHLM Newsradio. Now in Danville on the new 105.5 FM."

Most of these data below come from MiLB.com. If the web site for a team does not list any broadcast information, then I denote that with "?". There are too many teams to do Google searches for these stations to locate those with 2013 season broadcasts. For teams in the Chicago area I used the listings in the sports section of the "Chicago Tribune."

Many teams have broadcasts only via the Internet, and some have apps for mobile devices that allow listening to the audio stream. This URL <http://www.milb.com/multimedia/audio.jsp?sid=t458> lists all the teams with online audio. I have listed stations with only non-over-the-air broadcasts with "M."

Some minor leagues are not affiliated with Major League Baseball (and hence MiLB.com). I have listed these leagues when I found them, but I am not sure that I have listed all of them.

### International League North (AAA)

|  |       |         |                          |
|--|-------|---------|--------------------------|
| Buffalo Bisons (TOR)                   | 1520  | WWKB-NY | Ben Wagner, Duke McGuire |
|  | ' 550 | WGR -NY | a                        |
| Lehigh Valley IronPigs (PHI)           | M     |         |                          |
| Pawtucket Red Sox (BOS)                | 920   | WHJJ-RI | Jeff Levering, Bob Socci |
| Rochester Red Wings (MIN)              | 1280  | WHTK-NY | Josh Whetzel             |
|  | 107.3 | WHTK-NY |                          |
|  | 1040  | WYSL-NY | b                        |
|  | 92.1  | WYSL-NY | b                        |
| Scranton/Wilkes-Barre RailRiders (NYY) | M     |         |                          |
| Syracuse Chiefs (WSH)                  | M     |         |                          |

### International League South (AAA)

|                         |       |         |                |
|-------------------------|-------|---------|----------------|
| Charlotte Knights (CWS) | M     |         |                |
| Durham Bulls (TB)       | 620   | WDNC-NC |                |
| Gwinnett Braves (ATL)   | 550   | WDUN-NC | Tony Schavonie |
|                         | 102.9 | WDUN-NC |                |
| Norfolk Tides (BAL)     | M     |         |                |

### International League West (AAA)

|                            |       |         |                                     |
|----------------------------|-------|---------|-------------------------------------|
| Columbus Clippers (CLE)    | 920   | WMNI-OH | Scott Leo, Ryan Mitchell            |
|                            | 103.9 | WMNI-OH |                                     |
| Indianapolis Indians (PIT) | M     |         |                                     |
| Louisville Bats (CIN)      | M     |         |                                     |
| Toledo Mud Hens (DET)      | 1230  | WCWA-OH | Jim Weber, Jason Grffin, Bill Clark |

### Pacific Coast League American Northern (AAA)

|                          |       |         |           |
|--------------------------|-------|---------|-----------|
| Iowa Cubs (CHC)          | M     |         |           |
| Memphis Redbirds (STL)   | M     |         |           |
| Nashville Sounds (MIL)   | 102.5 | WPRT-TN | Jeff Hern |
| Omaha Storm Chasers (KC) | M     |         |           |

### Pacific Coast League American Southern (AAA)

|                              |       |         |                         |
|------------------------------|-------|---------|-------------------------|
| Albuquerque Isotopes (LAD)   | M     |         |                         |
| New Orleans Zephyrs (MIA)    | 106.1 | WMTI-LA | Tim Grubbs, Ron Swoboda |
| Oklahoma City RedHawks (HOU) | M     |         |                         |
| Round Rock Express (TEX)     | M     |         |                         |

Pacific Coast League Pacific Northern (AAA)

|                                |   |  |  |
|--------------------------------|---|--|--|
| Colorado Springs Sky Sox (COL) | M |  |  |
| Reno Aces (ARI)                | M |  |  |
| Salt Lake Bees (LAA)           | M |  |  |
| Tacoma Raiders (SEA)           | M |  |  |

Pacific Coast League Pacific Southern (AAA)

|                             |     |         |               |
|-----------------------------|-----|---------|---------------|
| Fresno Grizzlies (SF)       | M   |         |               |
| Las Vegas 51s (NYM)         | M   |         |               |
| Sacramento River Cats (OAK) | 650 | KSTE-CA | Johnny Doskow |
| Tucson Padres (SD)          | M   |         |               |

Eastern League Eastern (AA)

|                                 |      |         |                              |
|---------------------------------|------|---------|------------------------------|
| Binghamton Mets (NYM)           | 1290 | WNBF-NY |                              |
| Portland Sea Dogs (BOS)         | 95.5 | WPEI-ME | N Mike Antonellis            |
|                                 | 95.9 | WPEI-ME |                              |
| New Britain Rock Cats (MIN)     | 1410 | WPOP-CT | N                            |
| New Hampshire Fisher Cats (TOR) | M    |         |                              |
| Reading Fightin Phils (PHI)     | 1340 | WRAW-NH |                              |
| Trenton Thunder (NYY)           | 93.1 | WTSR-NJ |                              |
|                                 | 1490 | WBCB-PA | d Josh Maurer, Adam Giardino |

Eastern League Western (AA)

|                                |      |         |                                |
|--------------------------------|------|---------|--------------------------------|
| Akron Aeros (CLE)              | M    |         |                                |
| Altoona Curve (PIT)            | 1430 | WVAM-PA | N Mike Passanisi, Nathan Bowen |
| Bowie Bayson (BAL)             | M    |         |                                |
| Erie Sea Wolves (DET)          | 1290 | WNBF-PA |                                |
| Harrisburg Senators (WSH)      | M    |         |                                |
| Richmond Flying Squirrels (SF) | 910  | WRNL-VA | Jon Laaser, Jay Burnham        |

Southern League North (AA)

|                            |       |         |              |
|----------------------------|-------|---------|--------------|
| Birmingham Barons (CWS)    | 105.5 | WERC-AL |              |
| Chattanooga Lookouts (LAD) | M     |         |              |
| Huntsville Stars (MIL)     | M     |         |              |
| Jackson Generals (SEA)     | 101.5 | WNWS-TN | Chris Harris |
| Tennessee Smokies (CHC)    | M     |         |              |

Southern League South (AA)

|                             |      |         |  |
|-----------------------------|------|---------|--|
| Jacksonville Suns (MIA)     | 94.1 | WSOS-FL | Roger Hoover, Matt Leland,<br>Andrew Green, Emily Rutzen |
| Mississippi Braves (ATL)    | M    |         |  |
| Mobile BayBears (ARI)       | M    |         |  |
| Montgomery Biscuits (TB)    | M    |         |  |
| Pensacola Blue Wahoos (CIN) | M    |         |  |

Texas League North (AA)

|                                  |      |         |            |
|----------------------------------|------|---------|------------|
| Arkansas Travelers (LAA)         | 920  | KARN-AR | Phil Elson |
| Northwest Arkansas Naturals (KC) | 92.1 | KQSM-AR |            |
|                                  | 1030 | KFAY-AR |            |
| Springfield Cardinals (STL)      | M    |         |            |
| Tulsa Drillers (COL)             | 1430 | KTBZ-OK |            |

Texas League South (AA)

|                            |      |         |                              |
|----------------------------|------|---------|------------------------------|
| Corpus Christi Hooks (HOU) | M    |         |                              |
| Frisco RoughRiders (TEX)   | 97.5 | KLAK-CA | Ales Viapoli, Nathan Bennett |
| Midland RockHounds (OAK)   | M    |         |                              |
| San Antonio Missions (SD)  | M    |         |                              |

California League North (A Advanced)

|                         |   |  |           |
|-------------------------|---|--|-----------|
| Bakersfield Blaze (CIN) | M |  |           |
| Modesto Nuts (COL)      | M |  |           |
| San Jose Giants (SF)    | M |  | Joe Ritzo |



|  |       |           |                               |
|--|-------|-----------|-------------------------------|
| Stockton Ports (OAK)                           | 1280  | KWSX-CA   | Zack Bayrouy                  |
| Visalia Rawhide (ARI)                          | 1270  | WJUG-CA   |                               |
| <u>California League South (A Advanced)</u>    |       |           |                               |
| High Desert Mavericks (SEA)                    | M     |           |                               |
| Inland Empire 66ers (LAA)                      | M     |           |                               |
| Lake Elsinore Storm (SD)                       | 94.5  | KMYT-CA   |                               |
| Lancaster JetHawks (HOU)                       | M     |           |                               |
| Rancho Cucamonga Quakes (LAD)                  | 1510  | KSPA-CA   | Mike Lindskog                 |
| <u>Carolina League Northern (A Advanced)</u>   |       |           |                               |
| Frederick Keys (BAL)                           | M     |           |                               |
| Potomac Nationals (WSH)                        | M     |           |                               |
| Wilmington Blue Rocks (KC)                     | 89.7  | WGLS-NC   | Matt Janus, Geoff Arnold      |
| Lynchburg Hillcats (ATL)                       | 97.9  | WZZU-VA   | Erik Wilson                   |
| <u>Carolina League Southern (A Advanced)</u>   |       |           |                               |
| Carolina Mudcats (CLE)                         | M     |           |                               |
| Myrtle Beach Pelicans (TEX)                    | M     |           |                               |
| Salem Red Sox (BOS)                            | M     |           |                               |
| Winston-Salem Dash (CWS)                       | M     |           |                               |
| <u>Florida State League North (A Advanced)</u> |       |           |                               |
| Brevard County Manatees (IL)                   | 1300  | WMEL-FL   |                               |
| Clearwater Threshers (PHI)                     | M     |           |                               |
| Daytona Cubs (CHC)                             | 1230  | WSBB-FL   |                               |
| Dunedin Blue Jays (TOR)                        | M     |           | Tyler Murray                  |
| Lakeland Flying Tigers (DET)                   | ?     |           |                               |
| Tampa Yankees (NYY)                            | M     |           |                               |
| <u>Florida State League South (A Advanced)</u> |       |           |                               |
| Bradenton Marauders (PIT)                      | M     |           |                               |
| Charlotte Stone Crabs (TB)                     | M     |           |                               |
| Fort Myers Miracle (MIN)                       | M     |           |                               |
| Jupiter Hammerheads (MIA)                      | M     |           |                               |
| Palm Beach Cardinals (STL)                     | M     |           |                               |
| St. Lucie Mets (NYM)                           | M     |           |                               |
| <u>Midwest League Eastern (A)</u>              |       |           |                               |
| Bowling Green Hot Rods (TB)                    | 1340  | WBGH-OH   |                               |
| Dayton Dragons (CIN)                           | 980   | WONE-OH   |                               |
| Fort Wayne TinCaps (SD)                        | 1380  | WKJG-IN   |                               |
| Great Lakes Loons (LAD)                        | M     |           |                               |
| Lake County Captains (CLE)                     | M     |           |                               |
| Lansing Lugnuts (TOR)                          | M     |           |                               |
| South Bend Silver Hawks (ARI)                  | M     |           |                               |
| West Michigan Whitecaps (DET)                  | 107.3 | WBBL-MI   | Ben Chiswick, Dan Elve        |
|  | 1340  | WJRW-MI   | c                             |
|  | 1450  | WHTC-MI   | s                             |
| <u>Midwest League Western (A)</u>              |       |           |                               |
| Beloit Snappers (OAK)                          | M     |           |                               |
| Burlington Bees (LAA)                          | ?     |           |                               |
| Cedar Rapids Kernals (MIN)                     | 1450  | KMRY-IA   | Morgan Hawk                   |
|  | 93.1  | KMRY-IA   |                               |
|  | 88.7  | KNBO-IASS | Abba Pumroy, Rafael Rodriguez |
| Clinton LumberKings (SEA)                      | M     |           |                               |
| Kane County Cougars (CHC)                      | M     |           |                               |
| Peoria Chiefs (STL)                            | M     |           |                               |
| Quad Cities River Bandits (HOU)                | M     |           |                               |
| Wisconsin Timber Rattlers (MIL)                | 1280  | WNAM-WI   |                               |
| <u>South Atlantic League Northern (A)</u>      |       |           |                               |

|                               |      |         |              |
|-------------------------------|------|---------|--------------|
| Delmarva Shorebirds (BAL)     | M    |         |              |
| Greensboro Grasshoppers (MIA) | M    |         |              |
| Hagerstown Suns (WSH)         | M    |         |              |
| Hickory Crawdads (TEX)        | 1490 | WSVM-NC |              |
| Kannapolis Intimidators (CWS) | M    |         | Josh Feldman |
| Lakewood BlueClaws (PHI)      | M    |         |              |
| West Virginia Power (PIT)     | M    |         |              |

South Atlantic League Southern (A)

|                            |       |         |  |
|----------------------------|-------|---------|--|
| Asheville Tourists (COL)   | 100.7 | WRES-NC |  |
| Augusta GreenJackets (SF)  | ?     |         |  |
| Charleston RiverDogs (NYY) | M     |         |  |
| Greenville Drive (BOS)     | M     |         |  |
| Lexington Legends (KC)     | 1300  | WKLG-KY |  |
| Rome Braves (ATL)          | M     |         |  |
| Savannah Sand Gnats (NYM)  | M     |         |  |

New York-Penn League McNamara (A Short Season)

|                              |   |  |  |
|------------------------------|---|--|--|
| Aberdeen IronBirds (BAL)     | M |  |  |
| Brooklyn Cyclones (NYM)      | ? |  |  |
| Hudson Valley Renegades (TB) | M |  |  |
| Staten Island Yankees (NYY)  | M |  |  |

New York-Penn League Pinckney (A Short Season)

|                                 |       |         |             |
|---------------------------------|-------|---------|-------------|
| Auburn Doubledays (WSH)         | M     |         |             |
| Batavia Muckdogs (MIA)          | 1490  | WBTA-NY |             |
| Jamestown Jammers (PIT)         | M     |         |             |
| Mahoning Valley Scrappers (CLE) | M     |         |             |
| State College Spikes (STL)      | 95.3  | WWWZ-PA | Steve Jones |
| Williamsport Crosscutters (PHI) | 1050  | WLYC-PA |             |
|                                 | 104.1 | WILQ-PA |             |

New York-Penn League Stedler (A Short Season)

|                             |     |         |              |
|-----------------------------|-----|---------|--------------|
| Connecticut Tigers (DET)    | M   |         |              |
| Lowell Spinners (BOS)       | 980 | WCAP-MA |              |
| Tri-City ValleyCats (HOU)   | M   |         |              |
| Vermont Lake Monsters (OAK) | 960 | WEAV-VT | George Commo |

Northwest League North (A Short Season)

|                            |      |         |            |
|----------------------------|------|---------|------------|
| Everett AquaSox (SEA)      | 1380 | KRKO-WA | Pat Dillon |
| Spokane Indians (TEX)      | 1510 | KGA -WA | Mike Boyle |
| Tri-City Dust Devils (COL) | 870  | KFLD-WA | Chris King |
| Vancouver Canadians (TOR)  | M    |         |            |

Northwest League South (A Short Season)

|                             |      |         |            |
|-----------------------------|------|---------|------------|
| Boise Hawks (CHC)           | 1350 | KTIK-ID |            |
| Eugene Emeralds (SD)        | 95.3 | KUJZ-OR | Matt Dompe |
| Hillsboro Hops (ARI)        | 620  | KPOJ-OR |            |
| Salem-Keizer Volcanoes (SF) | M    |         |            |

Appalachian League East (Rookie)

|                           |   |  |  |
|---------------------------|---|--|--|
| Bluefield Blue Jays (TOR) | M |  |  |
| Burlington Royals (KC)    | M |  |  |
| Danville Braves (ATL)     | M |  |  |
| Princeton Rays (TB)       | M |  |  |
| Pulaski Mariners (SEA)    | M |  |  |

Appalachian League West (Rookie)

|                              |   |  |           |
|------------------------------|---|--|-----------|
| Bristol White Sox (CWS)      | M |  |           |
| Elizabethton Twins (MIN)     | M |  |           |
| Greeneville Astros (HOU)     | M |  |           |
| Johnson City Cardinals (STL) | M |  | Sam Sigal |
| Kingsport Mets (NYM)         | M |  |           |

|                     |   |                        |   |                     |   |
|---------------------|---|------------------------|---|---------------------|---|
| Arizona League East |   | Arizona League Central |   | Arizona League West |   |
| AZL Angels (LAA)    | ? | AZL Brewers (MIL)      | ? | AZL Mariners (SEA)  | ? |
| AZL Oakland (OAK)   | ? | AZL Dodgers (LAD)      | ? | AZL Padres (SD)     | ? |
| AZL Cubs (CHC)      | ? | AZL Indians (CLE)      | ? | AZL Rangers (TEX)   | ? |
| AZL D-backs (ARI)   | ? | AZL Reds (CIN)         | ? | AZL Royals (KC)     | ? |
| AZL Giants (SF)     | ? |                        |   |                     |   |

Pioneer League North (Rookie)

|                            |   |
|----------------------------|---|
| Billings Mustangs (CIN)    | M |
| Great Falls Voyagers (CWS) | M |
| Helena Brewers (MIL)       | M |
| Missoula Osprey (ARI)      | M |

Pioneer League South (Rookie)

|                              |             |
|------------------------------|-------------|
| Grand Junction Rockies (COL) | M           |
| Idaho Falls Chukars (KC)     | 980 KSPZ-ID |
| Ogden Raptors (LAD)          | M           |
| Orem Owlz (LAA)              | M           |

|                             |   |                             |   |                         |   |
|-----------------------------|---|-----------------------------|---|-------------------------|---|
| Gulf Coast League East      |   | GCL Braves (ATL)            | ? | GCL Yankees1 (NYY)      | ? |
| GCL Cardinals (STL)         | ? | GCL Tigers (DET)            | ? |                         |   |
| GCL Marlins (MIA)           | ? | GCL Yankees2 (NYY)          | ? | Gulf Coast League South |   |
| GCL Mets (NYM)              | ? |                             |   | GCL Orioles (BAL)       | ? |
| GCL Nationals (WAS)         | ? | Gulf Coast League Northwest |   | GCL Rays (TB)           | ? |
|                             |   | GCL Blue Jays (TOR)         | ? | GCL Red Sox (BOS)       | ? |
| Gulf Coast League Northeast |   | GCL Phillies (PHI)          | ? | GCL Twins (MIN)         | ? |
| GCL Astros (HOU)            | ? | GCL Pirates (PIT)           | ? |                         |   |

Frontier League East

|                          |       |                      |
|--------------------------|-------|----------------------|
|                          |       | (frontierleague.com) |
| Evansville Otters        | 91.5  | WUEV-IN              |
| Florence Freedom         | ?     |                      |
| Frontier Greys           | ?     |                      |
| Lake Erie Crushers       | ?     |                      |
| Southern Illinois Miners | ?     |                      |
| Traverse City Beach Bums | 101.9 | WLDR-MI              |
| Washington Wild Things   | 95.3  | WJPA-PA e            |

Frontier League West

|                         |       |                      |
|-------------------------|-------|----------------------|
|                         |       | (frontierleague.com) |
| Gateway Grizzlies       | ?     |                      |
| Joliet Slammers         | 1340  | WJOL-IL              |
| Normal CornBelters      | ?     |                      |
| River City Rascals      | ?     |                      |
| Rockford Aviators       | 100.5 | WNTA-IL Jacob Wise   |
|                         | 1330  | WNTA-IL s            |
| Schaumburg Bloomers     | 1410  | WRMN-IL              |
| Windy City Thunderbolts | 88.3  | WVAV-IL              |

American Association North

|                         |      |                                   |
|-------------------------|------|-----------------------------------|
|                         |      | (americanassociationbaseball.com) |
| Fargo-Moorhead RedHawks | 740  | KVOX-ND Scott Miller, Maury Wills |
| Saint Paul Saints       | ?    |                                   |
| Sioux Falls Canaries    | ?    |                                   |
| Winnipeg Goldeyes       | 1290 | CFRW-MB                           |

American Association Central

|                          |      |   |
|--------------------------|------|---|
|                          |      | (americanassociationbaseball.com)       |
| Gary Southshore RailCats | 89.1 | WLPR-IN                                 |
| Kansas City T-Bones      | 1660 | KMBZ-MO Nathan Moore                    |
| Lincoln Saltdogs         | 1240 | KFOR-NE Drew Bontadelli, Wade Hillgross |
| Sioux City Explorers     | 1360 | KSCJ-IA                                 |
| Wichita Wingnuts         | ?    |   |

American Association South

|              |   |                                   |
|--------------|---|-----------------------------------|
|              |   | (americanassociationbaseball.com) |
| Amarillo Sox | M |                                   |

|                       |   |
|-----------------------|---|
| El Paso Diablos       | ? |
| Grand Prairie AirHogs | ? |
| Laredo Lemurs         | ? |

Canadian-American Association (CanAmLeague.com)

|                       |      |  |
|-----------------------|------|--|
| Newark Bears          | ?    |  |
| New Jersey Jackals    | M    | Michael Cohen, Nick Delahanty            |
| Québec Capitales      | ?    |  |
| Rockland Boulders     | 920  | WGHQ-NY f Seth Cantor, Christian Heimall |
|                       | 1260 | WBNR-NY f                                |
|                       | 1300 | WRCR-NY f                                |
|                       | 1420 | WLNA-NY f                                |
| Trois Rivières Aigles | ?    |  |

Atlantic League of Professional Baseball – Freedom (atlanticleague.com)

|                        |      |         |
|------------------------|------|---------|
| Lancaster Barnstormers | 1390 | WLAN-PA |
| Somerset Patriots      | 1450 | WCTC-PA |
| Sugar Land Skeeters    | 1460 | KBRZ-PA |
| York Revolution        | 1350 | WOYK-PA |

Atlantic League of Professional Baseball – Liberty (atlanticleague.com)

|                              |       |             |
|------------------------------|-------|-------------|
| Bridgeport Bluefish          | ?     |             |
| Camden Riversharks           | ?     |             |
| Long Island Ducks            | 103.9 | WRCN-NY w   |
| Southern Maryland Blue Crabs | ?     | g John Hunt |

I did not look for radio broadcasts for the Dominican, Mexican, and Venezuelan leagues.

Some networks via milb.com

Pawtucket Red Sox (6/25/2013)

|     |                |   |      |         |   |      |         |   |       |         |   |
|-----|----------------|---|------|---------|---|------|---------|---|-------|---------|---|
| 830 | WCRN-MA        | s | 1230 | WBLQ-RI | s | 1480 | WSAR-MA | s | 96.3  | WEEI-MA | s |
| 920 | <u>WHJJ-RI</u> |   | 1320 | WCVR-VT | s |      | WCFR-VT | s | 105.3 | WPKZ-MA | s |
| 930 | WMYF-NH        | s | 1340 | WNBH-MA |   | 1490 | WMRC-MA | s |       |         |   |
| 970 | WESO-MA        | s | 1380 | WNRI-RI |   |      |         |   |       |         |   |

Portland (ME) Sea Dogs (6/15/2013)

|      |         |  |      |         |  |      |                |
|------|---------|--|------|---------|--|------|----------------|
| 780  | WTME-ME |  | 1450 | WKTQ-ME |  | 95.5 | <u>WPEI-ME</u> |
| 1240 | WEZR-ME |  |      |         |  | 95.9 | <u>WPEI-ME</u> |

New Britain (CT) Rock Cats (6/25/2013)

|      |         |  |      |                |  |      |         |
|------|---------|--|------|----------------|--|------|---------|
| 1150 | WMRD-CT |  | 1410 | <u>WPOP-CT</u> |  | 1420 | WLIS-CT |
|------|---------|--|------|----------------|--|------|---------|

Altoona Curve (6/25/2013)

|     |         |  |      |                |  |       |         |
|-----|---------|--|------|----------------|--|-------|---------|
| 900 | WCPA-PA |  | 1340 | WTRN-PA        |  | 101.7 | WMVL-PA |
| 970 | WBGG-PA |  | 1430 | <u>WVAM-PA</u> |  | 100.7 | WTRN-PA |

a 550 WGR-NY will broadcast 10 Saturday Buffalo Bosons' games.

b These two stations will broadcast weekday afternoon Red Wings' games.

c Conflict flaship station

d 1490 WBCB-PA will broadcast 36 of the Trenton Thunder's games.

e The Washington (PA) xx games are also broadcast on the MSA Sports network, but the msasports.net web site does not have a network list.

f The four stations on the Rockland Boulders' network will carru all home games and select road/away games.

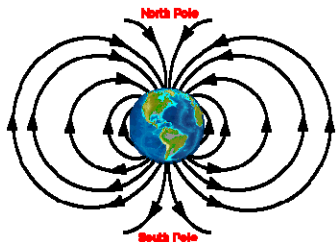
g The Southern Maryland Bue Crabs are broadcast on Phoenix Intermedia. The PhoenixIntermedia.com web site leads me to believe that this is Internet only.

s selected games only

w Weekend (Friday, Saturday, and Sunday) games only

M Audi via Internet or mobile device apps only

N Network list follows at the end of the column.



# Geomagnetic Indices

Geomagnetic Summary April-May 2013

Via Phil Bytheway – Tabulated from email status daily.

| Date | Flux | A  | K | Space Weather    | 5/ 1 | 159 | 21 | 3 | no storms        |
|------|------|----|---|------------------|------|-----|----|---|------------------|
| 4/ 1 | 119  | 6  | 1 | no storms        | 2    | 149 | 13 | 2 | minor, R1        |
| 2    | 122  | 4  | 2 | no storms        | 3    | 148 | 6  | 1 | moderate, R2     |
| 3    | 127  | 3  | 1 | no storms        | 4    | 142 | 5  | 1 | no storms        |
| 4    | 129  | 4  | 1 | no storms        | 5    | 137 | 7  | 1 | minor, R1        |
| 5    | 134  | 3  | 1 | minor, R1        | 6    | 131 | 8  | 3 | no storms        |
| 6    | 137  | 5  | 1 | no storms        | 7    | 129 | 10 | 2 | no storms        |
| 7    | 138  | 5  | 0 | no storms        | 8    | 127 | 7  | 2 | no storms        |
| 8    | 139  | 3  | 1 | no storms        | 9    | 128 | 5  | 1 | no storms        |
| 9    | 147  | 4  | 1 | no storms        | 10   | 125 | 5  | 1 | minor, R1        |
| 10   | 148  | 5  | 2 | no storms        | 11   | 137 | 4  | 1 | no storms        |
| 11   | 137  | 5  | 2 | moderate, S2, R2 | 12   | 147 | 5  | 1 | minor, R1        |
| 12   | 138  | 5  | 1 | minor, S1, R1    | 13   | 150 | 6  | 1 | strong, R3       |
| 13   | 125  | 6  | 3 | no storms        | 14   | 148 | 8  | 2 | strong, R3       |
| 14   | 117  | 10 | 2 | no storms        | 15   | 146 | 9  | 1 | strong, S1, R3   |
| 4/15 | 113  | 5  | 2 | no storms        | 5/16 | 145 | 14 | 3 | minor, S1, R1    |
| 4/16 | 113  | 3  | 1 | no storms        | 5/17 | 136 | 9  | 2 | minor, S1, R1    |
| 17   | 108  | 3  | 1 | no storms        | 18   | 132 | 21 | 2 | minor, G1, S1    |
| 18   | 105  | 3  | 0 | no storms        | 19   | 135 | 12 | 4 | no storms        |
| 19   | 99   | 2  | 1 | no storms        | 20   | 132 | 7  | 2 | minor, R1        |
| 20   | 105  | 4  | 1 | no storms        | 21   | 125 | 7  | 2 | no storms        |
| 21   | 109  | 3  | 1 | no storms        | 22   | 133 | 12 | 3 | moderate, S2, R1 |
| 22   | 113  | 4  | 1 | no storms        | 23   | 135 | 7  | 2 | strong, S3       |
| 23   | 118  | 7  | 3 | no storms        | 24   | 127 | 20 | 4 | moderate, G1, S2 |
| 24   | 115  | 19 | 3 | no storms        | 25   | 121 | 32 | 5 | minor, G1, S1    |
| 25   | 119  | 8  | 2 | no storms        | 26   | 120 | 18 | 3 | no storms        |
| 26   | 122  | 17 | 3 | minor, G1        | 27   | 110 | 13 | 3 | no storms        |
| 27   | 127  | 6  | 2 | no storms        | 28   | 105 | 8  | 1 | no storms        |
| 28   | 132  | 5  | 2 | no storms        | 29   | 107 | 2  | 0 | no storms        |
| 29   | 142  | 5  | 2 | no storms        | 30   | 104 | 3  | 1 | no storms        |
| 4/30 | 154  | 7  | 3 | no storms        | 5/31 | 102 | 9  | 4 | minor, R1        |

Sx – Solar Radiation Storm Level / Gx – Geomagnetic Storm Level / Rx – Radio Blackouts Level

## NOAA Space Weather Outlook

Issued June 24 – For the period June 24-July 20, 2013

Solar activity is expected to be at very low to low levels with a chance for M-class flares on 24-25 June due to possible M-class activity from Region 1775. There is a chance for M-class flares again on 01 July through 14 July with the return of old Region 1768 (S11, L=356) as it has been actively flaring on the backside as seen in STEREO A/B EUVI 195 imagery.

The greater than 10 MeV proton event above the 10 pfu threshold that is currently on-going is likely to continue into 24 June with a chance for levels to remain above threshold on 25 June. After 25 June, no greater than 10 MeV proton events are expected.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at high levels on 24 June through 07 July and again on 19 July through 20 July due to coronal hole high speed stream (CH HSS) effects.

Geomagnetic field activity is expected to be unsettled to active on 24 June due to continuing CH HSS and possible effects from the 21 June coronal mass ejection. Quiet to unsettled conditions are expected on 25-26 June. Unsettled to active periods are expected from 27-28 June with quiet to unsettled periods on 29 June due to another recurrent CH HSS. Mostly quiet conditions are expected from 30 June to 04 July. By 05-06 July, quiet to unsettled conditions are expected with the arrival of another CH HSS. Quiet conditions are once again expected from 07-16 July. Quiet to unsettled conditions are expected on 17 July with unsettled to active levels from 18-20 July due to CH HSS activity once again.

(For updates check <http://www.swpc.noaa.gov/ftplib/weekly/WKHF.txt>)

# *DX Tool Box*

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## **Improving your DX skills – tips from new and veteran members**

Greetings once again from the Heart of the Continent and welcome to the DX Tool Box Column number 51.

### **This Month's Radio Saying:**

Television: A medium – so called because it is neither rare nor well done.

### **My Best DX Catch**

This time around we hear from Randall Trapp in rural Minnesota. Randall is the DXpedition Coordinator for the Minnesota DX Club (MDXC). Randall says that living in rural Minnesota allows him the opportunity to lay out BOGs in the fields following the completion of harvest. He writes:

I wish to submit the reception of the "KTRK" station as one of my most unique DX catches. Radio equipment (circa 1996) Kenwood 1000 with Radio West mods and a Lowe 225 Europa along with a ¼ mile BOG (Beverage On the Ground) at 90 degrees East. During the initial "burn in" period the Hams' transmitter was set at 1000 watts. (The sky wave signal faded out by late morning and re-appeared by the middle of the afternoon) I was among the first callers to respond when a phone number was repeated over the air. For those of you who are curious the station was from Fort Meade MD.

Randall was also nice enough to include two documents with his letter to me. Yes I still accept regular mail as well as electronic messages. The first document was a photocopy of his Verification Certificate for KTRK on 1.670 MHz at 1,000 watts of power. The dates were listed as between February 5th to 8th, 1996. The certificate is signed by D. S. Browne Project Manager and Col T. A. Hansen Director Army Broadcasting Services. There is a description of the transmitter and antennas as well as a small secret. The certificate states: "Tactical Call Sign(s) Kilo-Tango-Romeo-Kilo, KTRK, K-Truck (47 USC Section 305©. International Registry Call Letters: AABS abbreviated "ABS" (IRR Art. 6 Para 342)." It is a great looking certificate and I am sure Randall will treasure it always.

The second document was a copy of pages 8 and 9 of Popular Communications May 1996. In a section of the write up about KTRK by Paul S Courson there is a mention of: "Another listener said reception was good at Rochester Minn – quite a haul daytime when AM broadcast band signals don't typically reach that far."

A great catch, a verification certificate and a magazine write up well that would be my best catch if I was Randall too.

Our second contribution is from Perry Crabill, who sends a story that I find a wonderful story that will take us all back to a times when DX'ing was quite different than it is today. He writes:

I'll never forget my best BCB DX. I am now 92 years old, but it happened in 1936 when I was a mere lad of 16. I was living with my parents in a row house in NE Washington, DC. I believe that the radio I was using was a Philco 635 All-wave table model six-tube superhet that I had bought used for \$12. I then depended on *RaDex*, as the monthly listener magazine *Radio Index* was familiarly known, for information about DX'ing. The magazine announced that the US Bureau of Standards had arranged for WTAM in Cleveland, Ohio, to stay off the air on 1070 kilocycles after midnight to allow the Bureau to make propagation tests for the reception of LR1, a 50 kW station in Buenos Aires, Argentina, on that frequency.

I stayed up one night and tuned in WTAM before its signoff, and waited to see what I could hear after midnight. I was rewarded by hearing a Spanish-speaking station take over with a weak, fading but readable signal, identifying frequently with the call letters "elle era uno". I had been studying Spanish in high school, and made careful notes of what I had heard. The next day I wrote a detailed letter to the station reporting reception of its signals, and sent it via surface mail to the address that had been published.

About six months later I received a QSL card addressed to "Perry Crabill, Jr., Esq.", verifying my receipt of their test transmissions. I treasured that card, and kept it for years, through Navy duty in WW-II and several moves. I still had it with my belongings when I moved to Winchester, Virginia, in 1982, but it somehow disappeared several years ago. It may have been with the ham QSL cards that I had accumulated over the years, and turned over to a local QSL archive.

Do any current members of NRC remember those 1936 Bureau of Standards tests?

Perry Crabill, W3HQX Winchester, VA 22602 [w3hqx@arrl.net](mailto:w3hqx@arrl.net)

**Bits and Bites from the NRC listserv:**

From: "Paul B. Walker, Jr." [walkerbroadcasting@gmail.com](mailto:walkerbroadcasting@gmail.com)

Subject: (Off Topic) Radio Station Airchecks

As some people know, I love small town radio... and love collecting airchecks of stations. I have compiled a list of stations I'm most interested in hearing and have recently update that list. Check out my list of "Most Wanted" Airchecks by going to: <http://onairdj.com/wanted-airchecks/> Email me privately if you can help. Paul Walker [walkerbroadcasting@gmail.com](mailto:walkerbroadcasting@gmail.com)

*Sad news about long time DX'ers:*

From: Rick Dau [drummer1965usa@yahoo.com](mailto:drummer1965usa@yahoo.com)

Subject: Passing of longtime DX'er Bill Nittler

Had not seen anything on any of the discussion lists that I belong to, so I was rather surprised to get this in my inbox just a few minutes ago. I had the opportunity to visit with Bill on at least one occasion (the 2011 NRC convention in Omaha) and possibly another (I THINK he attended the 1995 NRC convention in Aurora, CO). His contributions to the DX'ing hobby were many, and he will be sorely missed. Here's a link to his obit:

<http://www.cortezjournal.com/article/20130415/NEWS07/130419873/0/SEARCH/Maurice-%27Bill%27-Nittler>

73, Rick Dau South Omaha, Nebraska

From: Patrick Martin [mwdxer@webtv.net](mailto:mwdxer@webtv.net)

Subject: The Saddest News - Don Jensen, well known SW DX'er passes away.

With the heaviest of hearts, I must advise you that our friend and brother DX'er, Don Jensen, passed away this afternoon around 4 p.m. from still unconfirmed causes, but apparently a heart attack. His wife, Arlene, just phoned a few minutes ago and the family is beginning to gather in Kenosha. According to Arlene, Don was working on his computer -- sending emails and working on reception reports, no doubt -- this afternoon. At about 4 p.m. he came out to his living room, to sit or nap in his easy chair, and was gone soon thereafter. As all of you will know, Don was a giant of our DX'ing hobby and can never be replaced. We will all greatly miss him his wit, opinions and general brilliance! Will pass along more information as it develops: funeral arrangements, etc. Ralph Perry

From: Patrick Martin [mwdxer@webtv.net](mailto:mwdxer@webtv.net)

Subject: Passing of longtime DX'er Bill Nittler

Really sad. He attended the Albuquerque IRCA convention in 2009. One of the orig charter members that started the IRCA in 1964. A very active QSL'er through the years too. We lost two greats of late, Don Kaskey and Bill Nittler. 73, Patrick Patrick Martin Seaside OR KGED QSL Manager

*On happier notes:*

From: Mark Connelly [markw1ion@aol.com](mailto:markw1ion@aol.com)

Subject: Boston AM Radio Moment of Silence

Thanks to server support from Craig Healy (NG1U), I have uploaded a Perseus file of the 22 APR 2013 Boston AM Radio Moment of Silence for victims of the Marathon bombings a week earlier. Capture was made 2:49-2:52 p.m. EDT (1849-1852 UTC) at my former QTH in Billerica, MA (15 miles / 24 km NW of Boston) so most metro-area stations are local-grade strength. Antenna: temporary mini-SuperLoop 2.5 m vertical by 5 m horizontal. You will have to be patient for a long download time of the approximately 1.8 GB file. Perseus receiver software must be installed on your computer to play the file. File path:

[http://chowdanet.com/markc/20130422\\_1850z\\_moment\\_of\\_silence.wav](http://chowdanet.com/markc/20130422_1850z_moment_of_silence.wav)

Mark Connelly, WA1ION South Yarmouth, MA

*Who says this hobby is dying off?*

From: "JR Renfrew" [jrenfrew@rochester.rr.com](mailto:jrenfrew@rochester.rr.com)

Subject: MW #2500 heard this morning

Jim Renfrew, Holley NY 0007 EDT 1340 WLEW MI Bad Axe several call letter IDs in the mess, NEW. This is #2500 logged from my location west of Rochester.

Yeah, I wish it was something truly remarkable, like New Zealand, Saturn or the 9th Dimension, but I'll settle for Bad Axe! It took 11 years to jump from 2000 to 2500, so probably at least that long to get to 3000. If I could get the Perseus running again that might speed things up. If I began right

after birth, it took me an average of 43 new ones per year to reach 2500. I didn't start out QSL'ing when I began in Rochester in 1976 (no money will do that), so it's always been catch-up. One that got away was Montserrat - I didn't write and then the island blew up a few years later, so I can't even create an after-the-fact report. I have 632 QSLs for 913 sent, just under 70% response. FM is around 80%, TV around 90%, and shortwave around 60%. I've been much more methodical QSL'ing FM stations, I started having money to spend when I began that. I think I've received about 1400 QSLs for 2300 receptions.

A big thumbs up to you Jim! Congratulations....Bruce Winkelman AA5CO Tulsa, OK

Great accomplishment Jim ! You are one persistent DX'er ! I have never tried to keep a list of stations heard so don't know how many but have been DX'ing since the early thirties and for years just checked them off in RADEX. My main interest has been verifying countries and any stations of particular interest and I didn't do this until joining NRC in 1958. Keep up the good work, Jim ! Ben Dangerfield, Wallingford, Pa.

Great going Jim. Like Ben, I have not kept track of stations heard. I used to, back in the 60s & 70s, but then I moved to keeping track of only QSLs, as I reported to 99% of stations I heard for a QSL anyway. So my heard & verified totals should not be a whole lot different. 73, Patrick Martin Seaside OR

Congrats, Jim! I have a ways to go to catch that. My logbook from Iowa City has approx. 1360 domestic catches and roughly 1414 overall. From my current QTH in South Omaha, subtract around 600 from each number (lots more QRM to deal with here). 73,Rick Dau (yearning for a quieter DX environment!) South Omaha, Nebraska

Congratulations Jim.....Have Fun on the way to # 3,000!!!! Glad it was a Graveyarder to mark the Milestone!! Regards....ROB VA3SW Robert S. Ross London, ONTARIO CANADA

Like you, I have some that got away. I remember back when I started QSL'ing at 15 in early 1965. I had no idea what I was doing, so most all of my reports were sent from my QTH in Seward AK on a 4 cent postcard. I wrote small to get the details in, but looking back, I got about a 95% return. Then postage was inexpensive, plus stations had more people to reply. A big station may have had more than one engineer too. But I keep trying. I have called many stations through the years as a f/up, but being the Foreign DXer, I run into station employees that do not understand English. But we all do what we can. That is the fun of it. When we do get that rare QSL, it makes all of the difference. 73, Patrick Martin

Congratulations! May you add many more to that total in the years to come. Bert New

Well done, Jim! I'm currently sitting at 2388 stations logged from this location (since 1998), and at the rate I'm going, I may never make it to 2500. I don't count call changes as new stations, but it's tempting sometimes...Barry McLarnon VE3JF Ottawa, ON

Congrats, Jim. Do you start over now or after 5000? In have no idea how many I've heard. I'll have to count ...Saul Burnt River ON

#### **This Month's DX Tool Box Web Site is:**

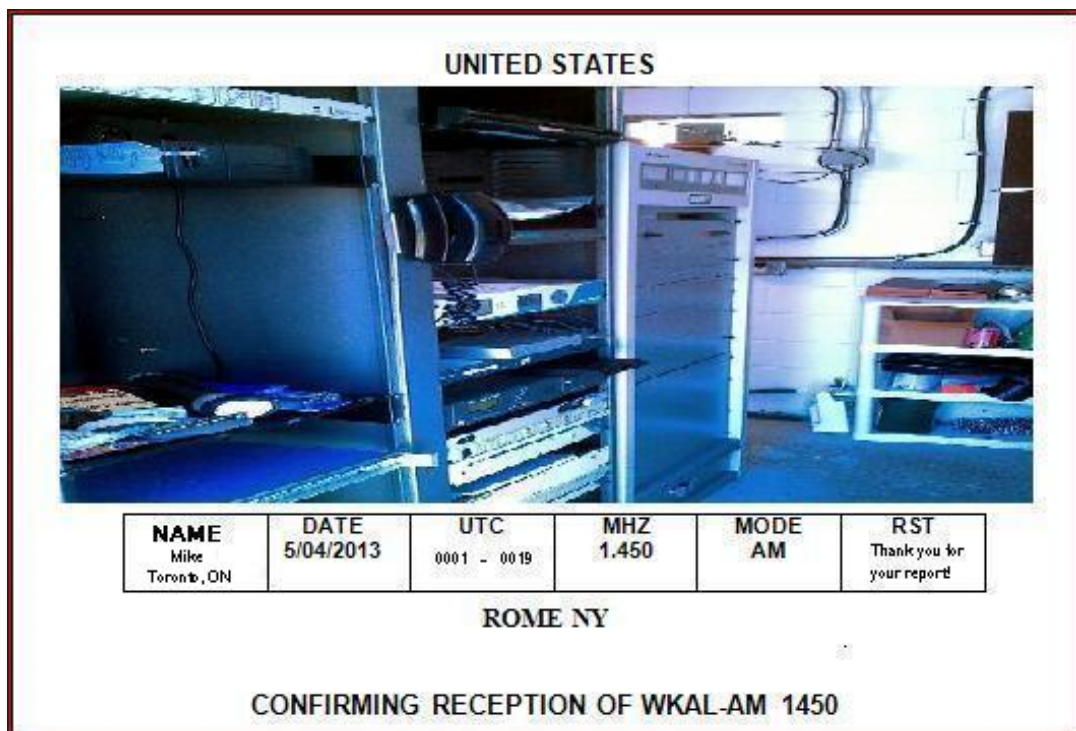
Jim Ramsburg's Gold Time Radio located at: <http://www.jimramsburg.com/index.html>

This is a great site for those of you who love old time radio programs. The side bar has a ton of links that you can click on and then listen to the programming. There are also great articles about the history of radio and radio programming. This is an all round good site for the era of radio we may never see again.

73 for this time Shawn  
**Remember On A Clear  
Day You Can Hear Forever**

At Right:

WKAL-1450 DX Test  
QSL Card





# GRAVEYARD DX ACHIEVEMENTS

Vincent Ferme, National Radio Club, Editor

[dxista@yahoo.ca](mailto:dxista@yahoo.ca) or 1711 Belval Cres., Ottawa ON K1C 6K2, Canada

# record held by a DXer in Alaska or Hawaii

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

+ record held by a DXer in USA/Canada where a Canadian/USA record exceeds that mileage  
(t) tie

First, the latest updates:

| <u>1230 kHz</u> |                |               |                       |              |
|-----------------|----------------|---------------|-----------------------|--------------|
| <u>Station</u>  | <u>City</u>    | <u>DXer</u>   | <u>DX Location</u>    | <u>Miles</u> |
| WMPC MI         | Lapeer         | Neil Kazaross | Barrington, IL        | + 253        |
| KFUN NM         | Las Vegas      | Tim Hall      | US 6/50 NV/UT Border  | + 542        |
| <u>1240 kHz</u> |                |               |                       |              |
| 18396 CA        | Monterey Bay   | Neil Kazaross | Poipu Beach, HI       | # 2474       |
| KIUL KS         | Garden City    | Tim Hall      | US 6/50 NV/UT Border+ | 718          |
| WOBT WI         | Rhineland      | Neil Kazaross | Barrington, IL        | + 247        |
| <u>1340 kHz</u> |                |               |                       |              |
| KGGS KS         | Garden City    | Neil Kazaross | Barrington, IL        | * 740        |
| <u>1400 kHz</u> |                |               |                       |              |
| WAVQ NC         | Jacksonville   | Kraig Krist   | Manassas, VA          | * 275        |
| WATW WI         | Ashland        | Neil Kazaross | Barrington, IL        | + 332        |
| <u>1450 kHz</u> |                |               |                       |              |
| WNBP MA         | Newburyport    | Niel Wolfish  | Louisbourg, NS        | * 582        |
| WHRY WI         | Hurley         | Neil Kazaross | Barrington, IL        | + 307        |
| <u>1490 kHz</u> |                |               |                       |              |
| KTOB CA         | Petaluma       | Tim Hall      | US 6/50 NV/UT Border  | 468          |
| KNAM CO         | Silt           | Tim Hall      | US 6/50 NV/UT Border  | * 346        |
| KCPX UT         | Spanish Valley | Tim Hall      | US 6/50 NV/UT Border  | * 251        |
| KQTY TX         | Borger         | Tim Hall      | US 6/50 NV/UT Border  | + 735        |
| WSWW WV         | Charleston     | Neil Kazaross | Barrington, IL        | + 434        |

And our next periodic full listing is of 1400 kHz.

## 1400 kHz

Logged from Jan 1, 1960 to Present

Current as of November 2, 2012

| <u>Station</u> | <u>City</u> | <u>DXer</u>      | <u>DX Location</u>  | <u>Miles</u> |
|----------------|-------------|------------------|---------------------|--------------|
| WMSL AL        | Decatur     | Joe Fela         | Newark, NJ          | 819          |
| WJLD AL        | Fairfield   | Russ Johnson     | Lexington, NC       | 411          |
| WDLL AL        | Fort Payne  | Barry McLarnon   | Ottawa, ON          | * 919        |
| WFPA AL        | Fort Payne  | Russ Edmunds     | Parsippany, NJ      | + 759        |
| WJHO AL        | Opelika     | Charles Reh      | Leamington, ON      | * 667        |
| WJHO AL        | Opelika     | Gary Siegel      | Toledo, OH          | + 631        |
| KSEW AK        | Sitka       | Pete Taylor      | San Francisco, CA   | 1459         |
| AFRN AK        | Tok         | Esa Hänninen     | Lemmenjoki, Finland | 3291         |
| KJKJ AZ        | Flagstaff   | John Johnson     | Sheridan, WY        | 709          |
| KSUN AZ        | Phoenix     | Olle Alm         | Abisko, Sweden      | 4976         |
| KXIV AZ        | Phoenix     | Ernie Wesolowski | Omaha, NE           | * 1026       |
| KXIV AZ        | Phoenix     | Bill Harms       | Spokane Valley, WA  | (Tie) * 1026 |

|      |    |                   |                 |                            |            |
|------|----|-------------------|-----------------|----------------------------|------------|
| KRVZ | AZ | Springerville     | Jim Boehm       | San Antonio, TX            | 712        |
| KTUC | AZ | Tucson            | Jim Boehm       | San Antonio, TX            | 764        |
| KEZC | AZ | Yuma              | Esa Hänninen    | Lemmenjoki, Finland        | 5148       |
| KVOY | AZ | Yuma              | Pete Taylor     | San Francisco, CA          | * 566      |
| KELD | AR | El Dorado         | Charles Reh     | Leamington, ON             | 932        |
| KCLA | AR | Pine Bluff        | Carl Dabelstein | Lincoln, NE                | 523        |
| KWYN | AR | Wynne             | Bill Dvorak     | Madison, WI                | 543        |
| KVTO | CA | Berkeley          | Richard E. Wood | Hilo, HI                   | # 2333     |
| KVTO | CA | Berkeley          | Tim Hall        | Fitz Hugh Sound, BC        | * 1001     |
| KVTO | CA | Berkeley          | Tim Hall        | Chula Vista, CA            | + 465      |
| KRCQ | CA | Indio             | Steve Kamp      | San Jose, CA               | 404        |
| KQMS | CA | Redding           | Esa Hänninen    | Lemmenjoki, Finland        | 4709       |
| KQMS | CA | Redding           | John Johnson    | Sheridan, WY               | * 833      |
| KKJL | CA | San Luis Obispo   | Richard E. Wood | Hilo, HI                   | # 2354     |
| KSly | CA | San Luis Obispo   | Phil Bytheway   | Seattle, WA                | 858        |
| KKZL | CA | Santa Paula       | Richard E. Wood | Hilo, HI                   | # 2421     |
| KQIQ | CA | Santa Paula       | Phil Bytheway   | Seattle, WA                | * 933      |
| KTRT | CA | Truckee           | Nancy Johnson   | Aberdeen, WA               | 558        |
| KUKI | CA | Ukiah             | Tim Hall        | Chula Vista, CA            | 567        |
| KEYX | CA | Visalia           | Esa Hänninen    | Lemmenjoki, Finland        | 4959       |
| KONG | CA | Visalia           | Phil Bytheway   | Seattle, WA                | * 793      |
| KRLN | CO | Canon City        | Shawn Axelrod   | Winnipeg, MB               | * 871      |
| KRLN | CO | Canon City        | Tim Hall        | Chula Vista, CA            | + 779      |
| KDTA | CO | Delta             | Shawn Axelrod   | Winnipeg, MB               | * 927      |
| KDTA | CO | Delta             | Tim Hall        | Grand Canyon North Rim, AZ | + 281      |
| KFTM | CO | Fort Morgan       | Olle Alm        | Abisko, Sweden             | 4374       |
| KFTM | CO | Fort Morgan       | Tim Hall        | Tombstone, AZ              | * 685      |
| KBLJ | CO | La Junta          | Bill Dvorak     | Madison, WI                | 826        |
| WSTC | CT | Stamford          | Niel Wolfish    | Burnt River, ON            | * 363      |
| WSTC | CT | Stamford          | Tim Hall        | Tom Nevers, MA             | + 184      |
| WILI | CT | Willimantic       | Gary Siegel     | Toledo, OH                 | * 587      |
| WILI | CT | Willimantic       | Jeff Falconer   | Clinton, ON                | + 487      |
| WFTL | FL | Fort Lauderdale   | Marc DeLorenzo  | Hyannis, MA                | 1209       |
| WIRA | FL | Fort Pierce       | UK DXPedition   | Sheigra, Scotland          | 4093       |
| WIRA | FL | Fort Pierce       | Steve Francis   | Alcoa, TN                  | * 614      |
| WFAV | FL | Fort Walton Beach | Barry McLarnon  | Ottawa, ON                 | * 1188     |
| WNUF | FL | Fort Walton Beach | Steve Francis   | Alcoa, TN                  | + 402      |
| WZAZ | FL | Jacksonville      | Mike Hardester  | Jacksonville, NC           | 394        |
| WPRY | FL | Perry             | Ron Bailey      | Shelby, NC                 | 372        |
| WSDO | FL | Sanford           | Gary Siegel     | Toledo, OH                 | 899        |
| WZHR | FL | Zephyrhills       | Russ Johnson    | Lexington, NC              | 534        |
| WAJQ | GA | Alma              | Don Trelford    | Runaway Bay, Jamaica       | 962        |
| WLTA | GA | Alpharetta        | Ron Bailey      | Shelby, NC                 | 173        |
| WCLB | GA | Camilla           | Karl Jeter      | Stone Mountain, GA         | 182        |
| WGHC | GA | Clayton           | Ron Bailey      | Marion, NC                 | 94         |
| WWRK | GA | Elberton          | Steve Francis   | Alcoa, TN                  | 131        |
| WNEX | GA | Macon             | Russ Edmunds    | Blue Bell, PA              | 686        |
| WHBS | GA | Moultrie          | Kraig Krist     | Manassas, GA               | 631        |
| WCOH | GA | Newnan            | Ron Bailey      | Shelby, NC                 | 225        |
| WSGA | GA | Savannah          | Marc DeLorenzo  | Hyannis, MA                | * 890      |
| WSGA | GA | Savannah          | Jeff Falconer   | Clinton, ON                | * 799      |
| KART | ID | Jerome            | Esa Hänninen    | Lemmenjoki, Finland        | 4480       |
| KART | ID | Jerome            | LEM96           | Lemmenjoki, Finland        | (Tie) 4480 |
| KART | ID | Jerome            | Tim Hall        | Revillagigedo Channel, AK  | # 1122     |
| KART | ID | Jerome            | Tim Hall        | Chatham Sound, BC          | * 1099     |
| KART | ID | Jerome            | Tim Hall        | Silver City, NM            | + 769      |
| KRPL | ID | Moscow            | Esa Hänninen    | Lemmenjoki, Finland        | 4233       |
| KRPL | ID | Moscow            | MB DXPedition   | Valhalla Beach, MB         | * 966      |
| KRPL | ID | Moscow            | John Wilkins    | Wheat Ridge, CO            | + 769      |
| KIGO | ID | St. Anthony       | Shawn Axelrod   | Winnipeg, MB               | * 789      |
| KIGO | ID | St. Anthony       | Tim Hall        | Whitehall, MT              | + 134      |
| KSPT | ID | Sandpoint         | Olle Alm        | Abisko, Sweden             | 4055       |

|      |    |                  |                  |                          |             |
|------|----|------------------|------------------|--------------------------|-------------|
| KSTP | ID | Sandpoint        | Ernie Wesolowski | Omaha, NE                | * 1111      |
| KSTP | ID | Sandpoint        | Tim Hall         | Jasper, AB               | + 324       |
| WDWS | IL | Champaign        | Joe Fela         | Newark, NJ               | * 741       |
| WDWS | IL | Champaign        | Barry McLarnon   | Ottawa, ON               | + 729       |
| WGIL | IL | Galesburg        | Esa Hänninen     | Lemmenjoki, Finland      | 4196        |
| WGIL | IL | Galesburg        | Barry McLarnon   | Ottawa, ON               | * 794       |
| WGIL | IL | Galesburg        | Steve Francis    | Alcoa, TN                | + 496       |
| WROZ | IN | Evansville       | Carl Dabelstein  | Lincoln, NE              | * 526       |
| WEOA | IN | Evansville       | Jeff Falconer    | Clinton, ON              | + 502       |
| WBAT | IN | Marion           | Esa Hänninen     | Lemmenjoki, Finland      | 4128        |
| WBAT | IN | Marion           | Shawn Axelrod    | Winnipeg, MB             | * 841       |
| WBAT | IN | Marion           | Russ Edmunds     | Parsippany, NJ           | + 590       |
| KCOG | IA | Centerville      | Shawn Axelrod    | Winnipeg, MB             | * 651       |
| KCOG | IA | Centerville      | Gary Siegel      | Toledo, OH               | + 491       |
| KADR | IA | Elkader          | Shawn Axelrod    | Winnipeg, MB             | * 546       |
| KADR | IA | Elkader          | Neil Kazaross    | Barrington, IL           | + 173       |
| KVFD | IA | Fort Dodge       | Shawn Axelrod    | Winnipeg, MB             | * 517       |
| KVFD | IA | Fort Dodge       | John Wilkins     | Wheat Ridge, CO          | + 597       |
| KVOE | KS | Emporia          | Niel Wolfish     | Winnipeg, MB             | 782         |
| KVOE | KS | Emporia          | Shawn Axelrod    | Winnipeg, MB             | (Tie) 782   |
| KAYS | KS | Hays             | Olle Alm         | Karesuando, Sweden       | 4443        |
| KAYS | KS | Hays             | Shawn Axelrod    | Winnipeg, MB             | * 768       |
| KAYS | KS | Hays             | Morris Sorensen  | Winnipeg, MB             | (Tie) * 768 |
| KAYS | KS | Hays             | John Wilkins     | West Des Moines, IA      | + 351       |
| WCYN | KY | Cynthiana        | Carl Dabelstein  | Lincoln, NE              | 650         |
| WIEL | KY | Elizabethtown    | Jeff Falconer    | Clinton, ON              | * 469       |
| WIEL | KY | Elizabethtown    | John J. Rieger   | South Milwaukee, WI      | + 376       |
| WFTG | KY | London           | Ernie Wesolowski | Omaha, NE                | 705         |
| WFPR | LA | Hammond          | Steve Francis    | Alcoa, TN                | 525         |
| KAOK | LA | Lake Charles     | Carl Dabelstein  | Lincoln, NE              | 761         |
| KAOK | LA | Lake Charles     | Bob McCoy        | Lincoln, NE              | (Tie) 761   |
| KWLA | LA | Many             | Bruce Winkelman  | Tulsa, OK                | 343         |
| WMME | ME | Augusta          | Carl Dabelstein  | Omaha, NE                | * 1333      |
| WEZW | ME | Augusta          | Barry McLarnon   | Ottawa, ON               | + 304       |
| WIDE | ME | Biddeford        | Joe Kureth       | Uniontown, MD            | * 360       |
| WIDE | ME | Biddeford        | Barry McLarnon   | Ottawa, ON               | + 293       |
| WWNZ | ME | Veazie           | Barry McLarnon   | Ottawa, ON               | 350         |
| WWIN | MD | Baltimore        | Denis Picard     | Trois-Rivières-Ouest, QC | * 528       |
| WWIN | MD | Baltimore        | Steve Francis    | Alcoa, TN                | + 472       |
| WHTB | MA | Fall River       | Joe Kureth       | Uniontown, MD            | 345         |
| WHTB | MA | Fall River       | Barry McLarnon   | Ottawa, ON               | (Tie) 345   |
| WLLH | MA | Lowell           | Joe Kureth       | Uniontown, MD            | * 367       |
| WLLH | MA | Lowell           | Barry McLarnon   | Ottawa, ON               | + 291       |
| WHMP | MA | Northampton      | Jeff Falconer    | Clinton, ON              | * 459       |
| WHMP | MA | Northampton      | Tim Hall         | Tom Nevers, MA           | + 157       |
| WRCC | MI | Battle Creek     | Russ Edmunds     | Blue Bell, PA            | * 537       |
| WRCC | MI | Battle Creek     | Barry McLarnon   | Ottawa, ON               | + 514       |
| WQBH | MI | Detroit          | Shawn Axelrod    | Winnipeg, MB             | * 839       |
| WJLB | MI | Detroit          | Carl Dabelstein  | Lincoln, NE              | + 708       |
| WLJN | MI | Elmwood Township | Barry McLarnon   | Ottawa, ON               | * 484       |
| WLJN | MI | Elmwood Township | Russ Edmunds     | Blue Bell, PA            | + 619       |
| WCCY | MI | Houghton         | Kraig Krist      | Manassas, VA             | * 812       |
| WCCY | MI | Houghton         | Shawn Axelrod    | Winnipeg, MB             | + 432       |
| WGON | MI | Munising         | Olle Alm         | Abisko, Sweden           | 3642        |
| WGON | MI | Munising         | Carl Dabelstein  | Lincoln, NE              | * 634       |
| WQXO | MI | Munising         | Jeff Falconer    | Clinton, ON              | + 315       |
| WSAM | MI | Saginaw          | Shawn Axelrod    | Winnipeg, MB             | * 763       |
| WSAM | MI | Saginaw          | Carl Dabelstein  | Lincoln, NE              | + 677       |
| WSJM | MI | St. Joseph       | Barry McLarnon   | Ottawa, ON               | * 578       |
| WSJM | MI | St. Joseph       | Gary Siegel      | Toledo, OH               | + 152       |
| WKNW | MI | Sault Ste. Marie | MB DXPedition    | Valhalla Beach           | 643         |
| WTCM | MI | Traverse City    | Gary Siegel      | Toledo, OH               | 238         |

|      |    |                       |                  |                     |             |
|------|----|-----------------------|------------------|---------------------|-------------|
| KEYL | MN | Long Prairie          | Bruce Winkelman  | Tulsa, OK           | 687         |
| KMHL | MN | Marshall              | Ron Schiller     | Monmouth Beach, NJ  | * 1145      |
| KMHL | MN | Marshall              | Jeff Falconer    | Clinton, ON         | + 709       |
| WMIN | MN | St. Paul              | Gary Siegel      | Toledo, OH          | * 536       |
| WMIN | MN | St. Paul              | Morris Sorensen  | Winnipeg, MB        | + 388       |
| WHLB | MN | Virginia              | Esa Hänninen     | Lemmenjoki, Finland | 3817        |
| WHLB | MN | Virginia              | Morris Sorensen  | Amaranth, MB        | * 352       |
| WBIP | MS | Booneville            | Barry McLarnon   | Ottawa, ON          | + 1002      |
| WBIP | MS | Booneville            | Ernie Wesolowski | Omaha, NE           | * 614       |
| WMBC | MS | Columbus              | Steve Francis    | Alcoa, TN           | 298         |
| WFOR | MS | Hattiesburg           | Steve Francis    | Alcoa, TN           | 455         |
| WKXI | MS | Jackson               | Barry McLarnon   | Ottawa, ON          | * 1186      |
| WJQS | MS | Jackson               | Steve Francis    | Alcoa, TN           | + 429       |
| KFRU | MO | Columbia              | Pete Taylor      | San Francisco, CA   | 1632        |
| KJCF | MO | Festus                | Gary Siegel      | Toledo, OH          | 433         |
| KSIM | MO | Sikeston              | Dave Whatmough   | Hamilton, ON        | * 679       |
| KSIM | MO | Sikeston              | Gary Siegel      | Toledo, OH          | + 464       |
| KGBX | MO | Springfield           | Shawn Axelrod    | Winnipeg, MB        | * 884       |
| KTTS | MO | Springfield           | John Wilkins     | Wheat Ridge, CO     | + 661       |
| KDRG | MT | Deer Lodge            | Esa Hänninen     | Lemmenjoki, Finland | 4203        |
| KDRG | MT | Deer Lodge            | Ernie Wesolowski | Omaha, NE           | * 901       |
| KXGN | MT | Glendive              | Morris Sorensen  | Leaf Rapids, MB     | * 570       |
| KXGN | MT | Glendive              | John Wilkins     | Wheat Ridge, CO     | + 507       |
| KARR | MT | Great Falls           | Pete Taylor      | San Francisco, CA   | * 872       |
| KARR | MT | Great Falls           | Steve Kamp       | San Jose, CA        | + 883       |
| KJJR | MT | Whitefish             | Bill Harms       | Spokane Valley, WA  | 146         |
| KBRB | NE | Ainsworth             | Phil Bytheway    | Seattle, WA         | 1149        |
| KCOW | NE | Alliance              | Esa Hänninen     | Lemmenjoki, Finland | 4530        |
| KCOW | NE | Alliance              | Shawn Axelrod    | Winnipeg, MB        | * 591       |
| KCOW | NE | Alliance              | Carl Dabelstein  | Omaha, NE           | + 365       |
| KLIN | NE | Lincoln               | Esa Hänninen     | Lemmenjoki, Finland | 4321        |
| KLIN | NE | Lincoln               | Shawn Axelrod    | Winnipeg, MB        | * 612       |
| KLIN | NE | Lincoln               | Tim Hall         | Winnipeg, MB        | (Tie) * 612 |
| KLIN | NE | Lincoln               | John Wilkins     | Wheat Ridge, CO     | + 451       |
| KLIN | NE | Lincoln               | Neil Kazaross    | Barrington, IL      | (Tie) + 451 |
| KBMI | NV | Henderson             | Phil Bytheway    | Seattle, WA         | 882         |
| KSHP | NV | North Las Vegas       | Tim Hall         | Crescent City, CA   | 628         |
| KBDB | NV | Sparks                | Tim Hall         | Crescent City, CA   | 278         |
| KWNA | NV | Winnemucca            | Olle Alm         | Abisko, Sweden      | 4565        |
| KWNA | NV | Winnemucca            | Ernie Wesolowski | Omaha, NE           | * 1123      |
| WTSL | NH | Hanover               | Christian DeHaes | Chicoutimi, QC      | 333         |
| WLTN | NH | Littleton             | Joe Kureth       | Uniontown, MD       | * 425       |
| WLTN | NH | Littleton             | Barry McLarnon   | Ottawa, ON          | + 210       |
| WOND | NJ | Pleasantville         | Tim Hall         | Tampa, FL           | * 913       |
| WOND | NJ | Pleasantville         | Jeff Falconer    | Clinton, ON         | + 467       |
| KMIN | NM | Grants                | Tim Hall         | San Diego, CA       | 552         |
| KTRC | NM | Santa Fe              | Carl Dabelstein  | Omaha, NE           | 668         |
| KCHS | NM | Truth or Consequences | John Wilkins     | Wheat Ridge, CO     | 473         |
| WABY | NY | Albany                | UK DXpedition    | Sheigra, Scotland   | 3048        |
| WABY | NY | Albany                | Charles Reh      | Leamington, ON      | * 449       |
| WABY | NY | Albany                | Gary Siegel      | Toledo, OH          | + 505       |
| WYSL | NY | Buffalo               | Russ Edmunds     | Parsippany, NJ      | * 268       |
| WWWS | NY | Buffalo               | Barry McLarnon   | Ottawa, ON          | + 226       |
| WDNY | NY | Dansville             | Barry McLarnon   | Ottawa, ON          | 217         |
| WSLB | NY | Ogdensburg            | Charles Reh      | Leamington, ON      | * 401       |
| WSLB | NY | Ogdensburg            | Russ Edmunds     | Blue Bell, PA       | + 316       |
| WBTB | NC | Beaufort              | Barry McLarnon   | Ottawa, ON          | 738         |
| WGBC | NC | Greensboro            | John Wilkins     | West Des Moines, IA | * 832       |
| WKEW | NC | Greensboro            | Barry McLarnon   | Ottawa, ON          | + 676       |
| WMFA | NC | Raeford               | Barry McLarnon   | Ottawa, ON          | * 740       |
| WMFA | NC | Raeford               | Russ Edmunds     | Blue Bell, PA       | + 418       |
| WSIC | NC | Statesville           | Barry McLarnon   | Ottawa, ON          | * 713       |

|      |    |               |                 |                               |             |
|------|----|---------------|-----------------|-------------------------------|-------------|
|      |    |               |                 |                               | 37          |
| WSIC | NC | Statesville   | Russ Edmunds    | Kinnelon, NJ                  | + 503       |
| WLSE | NC | Wallace       | Joe Kureth      | Southern Pines, NC            | 85          |
| WHCC | NC | Waynesville   | Steve Francis   | Alcoa, TN                     | 60          |
| WCNF | NC | Weldon        | Russ Edmunds    | Kinnelon, NJ                  | 363         |
| KEYJ | ND | Jamestown     | Charles Reh     | Leamington, ON                | * 860       |
| KQDJ | ND | Jamestown     | John Wilkins    | Wheat Ridge, CO               | + 588       |
| KQDJ | ND | Jamestown     | Wayne Heinen    | Aurora, CO                    | (Tie) + 588 |
| WMAN | OH | Mansfield     | Bob McCoy       | Lincoln, NE                   | * 740       |
| WMAN | OH | Mansfield     | Carl Dabelstein | Lincoln, NE                   | (Tie) 740   |
| WMAN | OH | Mansfield     | Barry McLarnon  | Ottawa, ON                    | + 466       |
| WPAY | OH | Portsmouth    | Barry McLarnon  | Ottawa, ON                    | * 589       |
| WPAY | OH | Portsmouth    | Russ Edmunds    | Kinnelon, NJ                  | + 483       |
| KWON | OK | Bartlesville  | Olle Alm        | Abisko, Sweden                | 4454        |
| KWON | OK | Bartlesville  | Shawn Axelrod   | Winnipeg, MB                  | * 895       |
| KWON | OK | Bartlesville  | Gary Siegel     | Toledo, OH                    | + 745       |
| KTMC | OK | McAlester     | John Wilkins    | Wheat Ridge, CO               | 613         |
| KNOR | OK | Norman        | Olle Alm        | Karesuando, Sweden            | 4644        |
| KNOR | OK | Norman        | Shawn Axelrod   | Winnipeg, MB                  | * 1000      |
| KREF | OK | Norman        | Neil Kazaross   | Barrington, IL                | + 694       |
| KWIN | OR | Ashland       | Pete Taylor     | San Francisco, CA             | 307         |
| KIVR | OR | Cave Junction | Esa Hänninen    | Lemmenjoki, Finland           | 4613        |
| KIVR | OR | Cave Junction | Nancy Johnson   | Aberdeen, WA                  | * 333       |
| KNND | OR | Cottage Grove | Esa Hänninen    | Lemmenjoki, Finland           | 4499        |
| KNND | OR | Cottage Grove | Tim Hall        | Jasper, AB                    | * 670       |
| KNND | OR | Cottage Grove | Tim Hall        | Chester, CA                   | + 258       |
| KJDY | OR | John Day      | Olle Alm        | Abisko, Sweden                | 4344        |
| KJDY | OR | John Day      | John Johnson    | Sheridan, WY                  | * 591       |
| KBCH | OR | Lincoln City  | Tim Hall        | Chilkoot Inlet, AK            | # 1091      |
| KBCH | OR | Lincoln City  | Phil Bytheway   | Seattle, WA                   | * 197       |
| WEST | PA | Easton        | Charles Reh     | Leamington, ON                | 392         |
| WJET | PA | Erie          | Eric McIntosh   | Invercargill, New South Wales | 9141        |
| WBLQ | PA | Erie          | Shawn Axelrod   | Winnipeg, MB                  | * 971       |
| WJET | PA | Erie          | Steve Francis   | Alcoa, TN                     | + 486       |
| WTCY | PA | Harrisburg    | Ron Bailey      | Shelby, NC                    | * 429       |
| WTCY | PA | Harrisburg    | Barry McLarnon  | Ottawa, ON                    | + 358       |
| WJAC | PA | Johnstown     | Joe Fela        | Newark, NJ                    | 250         |
| WAMQ | PA | Loretto       | Steve Francis   | Alcoa, TN                     | * 434       |
| WWGE | PA | Loretto       | Barry McLarnon  | Ottawa, ON                    | + 366       |
| WKBI | PA | St. Marys     | Carl Dabelstein | Omaha, NE                     | * 900       |
| WKBI | PA | St. Marys     | Barry McLarnon  | Ottawa, ON                    | + 307       |
| WICK | PA | Scranton      | Frank Merrill   | Milan, MI                     | * 408       |
| WICK | PA | Scranton      | Jeff Falconer   | Clinton, ON                   | + 336       |
| WRAK | PA | Williamsport  | Jim Renfrew     | Rochester, NY                 | * 388       |
| WRAK | PA | Williamsport  | Barry McLarnon  | Ottawa, ON                    | + 292       |
| WCOS | SC | Columbia      | Andy Rugg       | Pointe Claire, QC             | * 881       |
| WCOS | SC | Columbia      | Russ Edmunds    | Parsippany, NJ                | + 596       |
| WWRK | SC | Darlington    | Russ Edmunds    | Blue Bell, PA                 | 592         |
| WGTN | SC | Georgetown    | Niel Wolfish    | Burnt River, ON               | * 781       |
| WGTN | SC | Georgetown    | Gary Siegel     | Toledo, OH                    | + 616       |
| WHCQ | SC | Spartanburg   | Gary Siegel     | Toledo, OH                    | 471         |
| KBJM | SD | Lemmon        | John Wilkins    | Wheat Ridge, CO               | 450         |
| WJZM | TN | Clarksville   | Dave Schmidt    | New Castle, DE                | * 680       |
| WJZM | TN | Clarksville   | Jeff Falconer   | Clinton, ON                   | + 579       |
| WHUB | TN | Cookeville    | Forest Osborn   | Hooker, OK                    | * 873       |
| WHUB | TN | Cookeville    | Carl Dabelstein | Lincoln, NE                   | + 682       |
| WLSB | TN | Copperhill    | Russ Edmunds    | Blue Bell, PA                 | 612         |
| WKPT | TN | Kingsport     | Barry McLarnon  | Ottawa, ON                    | * 704       |
| WKPT | TN | Kingsport     | Russ Edmunds    | Parsippany, NJ                | + 529       |
| WGAP | TN | Maryville     | Shawn Axelrod   | Winnipeg, MB                  | * 1169      |
| WGAP | TN | Maryville     | Russ Edmunds    | Parsippany, NJ                | + 626       |
| WZNG | TN | Shelbyville   | Barry McLarnon  | Ottawa, ON                    | * 883       |
| WZNG | TN | Shelbyville   | Russ Edmunds    | Blue Bell, PA                 | + 690       |

|      |    |                 |                  |                                  |             |
|------|----|-----------------|------------------|----------------------------------|-------------|
| WNBG | TN | Waynesboro      | Joe Kureth       | Uniontown, MD                    | 655         |
| KRUN | TX | Ballinger       | Bruce Winkelman  | Tulsa, OK                        | 375         |
| KBYG | TX | Big Spring      | Tim Hall         | San Antonio, TX                  | 261         |
| KUNO | TX | Corpus Christi  | Don Trelford     | Runaway Bay, Jamaica             | 1434        |
| KUNO | TX | Corpus Christi  | Tim Hall         | 35miles west of Acaponeta, Nay   | * 639       |
| KILE | TX | Galveston       | Wayne Heinen     | Colorado Springs, CO             | 873         |
| KGVL | TX | Greenville      | Barry McLarnon   | Ottawa, ON                       | * 1370      |
| KGVL | TX | Greenville      | Gary Siegel      | Toledo, OH                       | + 904       |
| KYLR | TX | Huntsville      | Jim Boehm        | San Antonio, TX                  | 195         |
| KEBE | TX | Jacksonville    | Jim Boehm        | San Antonio, TX                  | 256         |
| KIUN | TX | Pecos           | Tim Hall         | Chula Vista, CA                  | 800         |
| KEYE | TX | Perryton        | Shawn Axelrod    | Winnipeg, MB                     | * 907       |
| KEYE | TX | Perryton        | John Wilkins     | Wheat Ridge, CO                  | + 330       |
| KVOP | TX | Plainview       | Phil Bytheway    | Seattle, WA                      | 1413        |
| KVRP | TX | Stamford        | Tim Hall         | Tombstone, AZ                    | 606         |
| KTEM | TX | Temple          | John Wilkins     | Wheat Ridge, CO                  | 741         |
| KTFS | TX | Texarkana       | Steve Ponder     | Bossier City, LA                 | 70          |
| KVOU | TX | Uvalde          | Ernie Wesolowski | Omaha, NE                        | 858         |
| KVOU | TX | Uvalde          | Carl Dabelstein  | Omaha, NE                        | (Tie) 858   |
| KENT | UT | Parowan         | Wayne Heinen     | Aurora, CO                       | 459         |
| KSRR | UT | Provo           | Olle Alm         | Abisko, Sweden                   | 4513        |
| KIXX | UT | Provo           | Phil Bytheway    | Seattle, WA                      | * 733       |
| WDOT | VT | Burlington      | Russ Edmunds     | Parsippany, NJ                   | 256         |
| WINA | VA | Charlottesville | John Wilkins     | West Des Moines, IA              | * 844       |
| WXAM | VA | Charlottesville | Jeff Falconer    | Clinton, ON                      | + 418       |
| WHHV | VA | Hillsville      | Barry McLarnon   | Ottawa, ON                       | * 649       |
| WHHV | VA | Hillsville      | Russ Edmunds     | Blue Bell, PA                    | + 377       |
| WHIH | VA | Portsmouth      | Andy Rugg        | Montreal, QC                     | * 616       |
| WWOC | VA | Portsmouth      | Gary Siegel      | Toledo, OH                       | + 511       |
| WAJL | VA | South Boston    | Kraig Krist      | Manassas, VA                     | 159         |
| WINC | VA | Winchester      | John Wilkins     | West Des Moines, IA              | * 827       |
| WINC | VA | Winchester      | Barry McLarnon   | Ottawa, ON                       | + 444       |
| KLCK | WA | Goldendale      | LEM96            | Lemmenjoki, Finland              | 4346        |
| KLCK | WA | Goldendale      | Tim Hall         | Chula Vista, CA                  | * 934       |
| KLCK | WA | Goldendale      | Tim Hall         | Radium Hot Springs, BC           | + 399       |
| KEDO | WA | Longview        | Esa Hänninen     | Lemmenjoki, Finland              | 4346        |
| KEDO | WA | Longview        | LEM96            | Lemmenjoki, Finland              | (Tie) 4346  |
| KEDO | WA | Longview        | Tim Hall         | Frederick Sound-Farragut Bay, AK | # 769       |
| KEDO | WA | Longview        | Tim Hall         | Chatham Sound, BC                | * 683       |
| KEDO | WA | Longview        | Tim Hall         | Crescent City, CA                | + 310       |
| KRSC | WA | Othello         | Esa Hänninen     | Lemmenjoki, Finland              | 4253        |
| KRSC | WA | Othello         | Pete Taylor      | San Francisco, CA                | * 650       |
| KITZ | WA | Silverdale      | LEM96            | Lemmenjoki, Finland              | 4243        |
| KITZ | WA | Silverdale      | Tim Hall         | Kamloops, BC                     | * 231       |
| KITZ | WA | Silverdale      | Tim Hall         | Mt. Ranier National Park, WA     | + 66        |
| KTNT | WA | Tacoma          | Bill Harms       | Spokane Valley, WA               | 241         |
| WBOY | WV | Clarksburg      | Gary Siegel      | Toledo, OH                       | * 237       |
| WBOY | WV | Clarksburg      | Charles Reh      | Leamington, ON                   | + 233       |
| WVRC | WV | Spencer         | Russ Edmunds     | Blue Bell, PA                    | 338         |
| WKWK | WV | Wheeling        | Esa Hänninen     | Lemmenjoki, Finland              | 4054        |
| WKWK | WV | Wheeling        | Barry McLarnon   | Ottawa, ON                       | * 441       |
| WKWK | WV | Wheeling        | Steve Francis    | Alcoa, TN                        | + 348       |
| WBTH | WV | Williamson      | Barry McLarnon   | Ottawa, ON                       | * 629       |
| WBTH | WV | Williamson      | Russ Edmunds     | Blue Bell, PA                    | + 414       |
| WATW | WI | Ashland         | Barry McLarnon   | Ottawa, ON                       | 728         |
| WBIZ | WI | Eau Claire      | Pete Taylor      | San Francisco, CA                | 1671        |
| WDUZ | WI | Green Bay       | Morris Sorensen  | God's Narrows, MB                | * 1035      |
| WDUZ | WI | Green Bay       | Russ Edmunds     | Blue Bell, PA                    | + 716       |
| WRJN | WI | Racine          | Shawn Axelrod    | Winnipeg, MB                     | * 656       |
| WRJN | WI | Racine          | Gary Siegel      | Toledo, OH                       | +230        |
| WRDB | WI | Reedsburg       | Niel Wolfish     | Winnipeg, MB                     | * 542       |
| WRDB | WI | Reedsburg       | Shawn Axelrod    | Winnipeg, MB                     | * (Tie) 542 |

|        |        |                     |                      |                                    | 39        |
|--------|--------|---------------------|----------------------|------------------------------------|-----------|
| WRDB   | WI     | Reedsburg           | Gary Siegel          | Toledo, OH                         | + 355     |
| WRIG   | WI     | Wausau              | Frank Merrill        | Toledo, OH                         | 374       |
| KATI   | WY     | Casper              | Mike Hardester       | Modesto, CA                        | 854       |
| KODI   | WY     | Cody                | Esa Hänninen         | Lemmenjoki, Finland                | 4279      |
| KODI   | WY     | Cody                | Ernie Wesolowski     | Omaha, NE                          | * 694     |
| WVOZ   | PR     | Carolina            | Ron Bailey           | Shelby, NC                         | 1508      |
| CKSQ   | AB     | Stettler            | Esa Hänninen         | Lemmenjoki, Finland                | 3811      |
| CKSQ   | AB     | Stettler            | Shawn Axelrod        | Winnipeg, MB                       | * 696     |
| CKSQ   | AB     | Stettler            | Ron Schiller         | Coeur d'Alene, ID                  | + 371     |
| CFLD   | BC     | Burns Lake          | Phil Bytheway        | Seattle, WA                        | 499       |
| CHNL1  | BC     | Clearwater          | Tim Hall             | Glacier National Park, MT          | * 373     |
| CHNL1  | BC     | Clearwater          | Tim Hall             | Fitz Hugh Sound, BC                | + 337     |
| CKGR   | BC     | Golden              | Phil Bytheway        | Seattle, WA                        | * 356     |
| CKGR   | BC     | Golden              | Tim Hall             | Kamloops, BC                       | + 158     |
| CKRP   | BC     | Princeton           | Esa Hänninen         | Lemmenjoki, Finland                | 4090      |
| CIOR   | BC     | Princeton           | Tim Hall             | Bandon, OR                         | * 475     |
| CIOR   | BC     | Princeton           | Tim Hall             | Jasper, AB                         | + 260     |
| CJEK   | BC     | Sparwood            | Tim Hall             | Glacier NP, MT                     | 113       |
| CJEK   | BC     | Sparwood            | Tim Hall             | Johnston Canyon, AB                | (Tie) 113 |
| CBWG   | MB     | Gillam              | Morris Sorensen      | God's Narrows, MB                  | 200       |
| CBG    | NF     | Gander              | Esa Hänninen         | Ristiina, Finland                  | 3116      |
| CBG    | NF     | Gander              | Christian DeHaes     | Chicoutimi, QC                     | * 748     |
| CKCB   | ON     | Collingwood         | Shawn Axelrod        | Winnipeg, MB                       | 872       |
| CKCB   | ON     | Collingwood         | Steve Francis        | Alcoa, TN                          | + 633     |
| CKOB   | ON     | Renfrew             | Joe Kureth           | Uniontown, MD                      | 406       |
| CBEE   | ON     | Sturgeon Falls      | Morris Sorensen      | Emsdale, ON                        | 74        |
| CKFL   | QC     | Lac Megantic        | Charles Reh          | Leamington, ON                     | * 632     |
| CKFL   | QC     | Lac Megantic        | Russ Edmunds         | Parsippany, NJ                     | * 371     |
| CJFP   | QC     | Rivière du Loup     | Esa Hänninen         | Espoo, Finland                     | 3583      |
| CJFP   | QC     | Rivière du Loup     | MB DXPedition        | Valhalla Beach, MB                 | * 1233    |
| CJFP   | QC     | Rivière du Loup     | Gary Siegel          | Toledo, OH                         | + 805     |
| CKRN   | QC     | Rouyn               | MB DXPedition        | Arnes, MB                          | 819       |
| CKSW   | SA     | Swift Current       | Phil Bytheway        | Seattle, WA                        | 683       |
| XEPF   | BN     | Ensenada            | Richard E. Wood      | Hilo, HI                           | 2525      |
| XEI    | Mich   | Morelia             | Tim Hall             | 50 mi W of Santiago Ixcuintla, Nay | 335       |
| XELH   | Nay    | Acaponeta           | Jim Boehm            | San Antonio, TX                    | 638       |
| XESH   | NL     | Cd Sabinas Hidalgo  | Jim Boehm            | San Antonio, TX                    | 233       |
| XEFS   | Pue    | Izucar de Matamoros | Jim Boehm            | San Antonio, TX                    | 753       |
| XEEX   | Sin    | Culiacan            | Tim Hall             | Rancho Bernardo, CA                | 813       |
| XEAB   | Son    | Santa Ana           | Tim Hall             | Poway, CA                          | 441       |
| PJB2   | NA     | Bonaire             | UK DXPedition        | Sheigra, Scotland                  | 4548      |
| CMFA   | CU     | Guaimaro            | Shawn Axelrod        | Orlando, FL                        | 534       |
| HLoW   | GJ     | Carriacou           | Jean Burnell         | Middle Cove, NF                    | 2486      |
| ZYJ462 | BR     | Rio de Janeiro      | NF DXPedition #4Team | Cappahayden, NF                    | 4867      |
| CX140  | UY     | Tacuarembó          | NF DXPedition #4Team | Cappahayden, NF                    | 5440      |
| YVZJ   | VE     | Barinas             | Tim Hall             | Crane Beach, Barbados              | 803       |
| JOQL   | JPN    | Kushiro             | Pete Taylor          | San Francisco, CA                  | 4652      |
| BEV98  | Taiwan | Kaohsiung           | Pete Taylor          | Hong Kong                          | 391       |

· MB DXPedition = [Shawn Axelrod, Wayne McRae]

· NF DXPedition #4 = [Jean Burnell, David Clark, Mark Connelly, Bruce Conti, Neil Kazaross, Jim Renfrew]

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

· HLoW = Harbour Light of the Windwards

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