

DX News

• Serving DX'ers since 1933 •

Volume 78, No. 21 • February 28, 2011 • (ISSN 0737-1639)



Inside this issue . . .

- | | | |
|-------------------------------|-------------------------------|--------------------------------|
| 2 ... AM Switch | 5 ... Domestic DX Digest East | 10 ... Domestic DX Achievement |
| 3 ... Domestic DX Digest West | 8 ... International DX Digest | 11 ... Space Weather Forecast |

DX Test Schedule (All Times ELT)

Sun 6 Mar	WFNY-1440	0100-0200
Sat 12 Mar	WKVQ-1540	0100-0130 0200-0300
Sat 19 Mar	WYTH-1250	0200-0230

WFNY-1440, Gloversville NY, will test on Sunday, March 6 between 0100 and 0200 EST (or maybe even a little later). Morse code, tones, and old rock and roll. Power will be 5 kW ND. Address is 101 South Main (or P.O. Box 746, Gloversville, NY 12078 and <wfnny@logical.net> for reports with return postage; an alternative e-mail address for mp3 clips will be <am1440wfnny@gmail.com>. V/s will be Ron Musco's old buddy, Mike Sleezer, G.M. Thanks, Ron and Mike!

WKVQ-1540, Eatonton GA, will test on Saturday, March 12 between 0100 and 0130 EST (pre-Europe sunrise) and again between 0200 and 0300 EST. Power will be 10 kW. Test will include Morse code IDs, voice IDs, special music, and sweep tones.

WYTH-1250, Madison GA, will test on Saturday, March 19 between 0200 and 0230 EDT. Power will be 1 kW. Test will include Morse code IDs, voice IDs, special music, and sweep tones.

For both WKVQ-1540 and WYTH-1250, electronic reception reports may be sent to <starstation@bellsouth.net>, which will be acknowledged with an e-QSL, or snail mail reports may be sent to [WKVQ] [WYTH] Radio, Attn: DX Test, P.O. Box 3965, Eatonton, GA 31024-3965, which will be acknowledged with a traditional QSL card. During the tests, phone calls will also be accepted at 706-485-8792. Special thanks to Jim Pogue for arranging and to WKVQ/WYTH Chief Engineer Craig Baker, for making this test possible.

From the Publisher: Wayne Heinen has been under the weather in recent days. Joan has been pitching in to keep the NRC Aurora post office box going, but please be patient with publication orders, renewals, address changes, etc.

DX News Publishing Schedule, Vol. 78

Deadline	Masthead	26	Apr. 22	May 2
22 Feb. 25	Mar. 7	27	May 27	June 6
23 Mar. 4	Mar. 14	28	July 1	July 11
24 Mar. 18	Mar. 28	29	Aug. 5	Aug. 15
25 Apr. 1	Apr. 11	30	Sept. 9	Sept. 19

The DX Time Machine

75 years ago – From the February 26, 1936 *DX News* – Dr. Lee De Forest, the “Father of Radio” and inventor of the radio tube, will appear on the “Around the World” program on KFI-640 March 1 to discuss “the use of shortwave radio in medicine and its effects on the human body.”

50 years ago – From the February 25, 1961 *DX News* – The third edition of the Vane A. Jones Log is out, with a comprehensive list of AM, FM, and TV stations, and available by mail for \$1.00; on 1270 at 3 a.m. Eastern on February 13, Kermit Geary in Walnutport, PA had KNDI on one antenna and Brazil on the other.

25 years ago – From the February 24, 1986 *DX News* – Fred Vobbe published an editorial entitled “It’s About Time That AM Car Radios Sound Good,” and included a review of one that did, the Pioneer KE-A433AM.

10 years ago – From the March 5, 2001 *DX News* – DDXD-East editor Michael Shaw joined the news department of WFLA-TV-8, including responsibility for local morning drive news on WTBN-570; Ben Dangerfield reported on a cruise around Chile through the Strait of Magellan to Argentina, on which he heard the world’s southernmost station (LRA-10 on 780) and two stations from the Falkland Islands.

NRC AM Radio Log, 31st Edition

The Log is unbound and three-hole punched for standard binders.

Price: To the United States, \$19.95 to members, \$25.95 to non-members

To Canada, \$24 to members, \$33.50 to non-members; add \$3.50 for

Priority Mail

Airmail to all outside US/Canada: \$34.00

Canadian orders: PayPal or postal money order only, please. U.S. funds only!

Order from: NRC, P.O. Box 473251, Aurora CO 80047-3251 or

www.nrcdxas.org

CO residents add 3.5% sales tax.



AM Switch



Bill Hale w_r_hale@sbcglobal.net

6124 Roaring Springs Drive

North Richland Hills, TX 76180-5552

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

CALL LETTER CHANGES

	<u>Old Call</u>			<u>New Call</u>
960	WERC	AL	Birmingham	WVVB
1420	WVNG	GA	Toccoa	WLET

CONSTRUCTION PERMITS ON THE AIR

720	WWJ	VA	Portsmouth – Construction Permit (CP) to move here with U4 2200/1400 is on the air, moving the facility from Galax on 1360 kHz.
1320	WJAS	PA	Pittsburgh – CP for U4 7000/3300 is on the air.



ACTIONS

590	KXSP	NE	Omaha – Coordinate correction to 41-18-55/95-59-52.
760	WCPS	NC	Tarboro – Coordinate correction to 35-55-44/77-34-13.
1010	KIQI	CA	San Francisco – CP granted for U4 35000/15000. The two patterns are unchanged in shape (balloon-shaped) and direction (south-southwest), but are understandably larger.
1030	WGYV	IN	Aurora – CP granted for D3 250/0, moving here from Greenville, Alabama.
1180	NEW	OR	Jacksonville – CP granted for U2 50000/1300 from three towers at 42-17-44/122-48-15. The night pattern is a circular lobe headed to the west.
1200	WGRK	KY	Jeffersontown – CP granted for D1 2500/0 (ex: 1540 at Greensburg), using a three wire folded unipole antenna from an existing communications tower at 38-11-04/85-29-57.
1340	NEW	AR	Bethel Heights – CP granted for U1 1000/1000 at 36-12-43/94-07-38.
1520	NEW	AL	Fultondale – CP granted for U4 6000/250 from six towers (using all 6 day and night) at 33-39-35/87-47-39. The day pattern sends a major lobe to the south-southwest with minor lobes to the north-northwest and east-southeast.

CONSTRUCTION PERMIT AMENDMENTS

1340	KVGC	CA	Jackson – This new station, not yet on the air, has a CP for U1 270/1000 with an application for U1 440/210. This amendment requests U1 440/250.
1410	KCAL	CA	Redlands – Licensed for U2 5000/4000, KCAL has a CP for U4 4700/4000. This amendment requests a change in City-of-License to Grand Terrace with U4 3000/2200.
1490	KJNT	WY	Jackson – This new station, not yet on the air, has a CP for U1 420/1000. This amendment is for U1 1000/1000.

APPLICATIONS

1370	WHYP	PA	Corry – Deleted station filing for Renewal of License and thus, reinstatement.
------	------	----	--

APPLICATION AMENDMENTS

1540	WGRK	KY	Greensburg – Licensed for D1 1000/0 CH 500, WGRK applied to move to Jeffersontown on 1200 kHz with D1 2500/0. This amendment requests D1 5000/0 at Jeffersontown on 1200.
------	------	----	---

LICENSE RENEWALS GRANTED

950	KNJY	ID	Boise
-----	------	----	-------

DISMISSALS AND DELETIONS

610	WIP	PA	Philadelphia – CP to change their antenna designation from U3 to U4. WIP remains U3 5000/5000.
1360	WMOB	AL	Mobile – Application for U4 9000/200. WMOB remains U4 5000/212.

- 1400 KRVZ AZ Springerville – CP for U1 10000/22 moving to 1370 kHz. **KRVZ remains U1 1000/1000.**
- 1590 WABV SC Abbeville – Application to move to Whitney, Nevada (correct) with D3 14000/0.

AM on FM

- 680 WCNN GA North Atlanta - W229AG (93.7) Atlanta
 1060 WGGQ TN Newport - W222AN (92.3) Newport
 1150 KCKK CO Littleton - K229BS (93.7) Lakewood
 1380 WLRM TN Millington - W288BJ (105.5) Millington
 1540 WMYJ IN Martinsville - W231BT (94.1) Martinsville



HEAR AND THAR

- ✿ Returning to the airwaves:
- ✿ On-again-off-again: **WTRI-1520 Brunswick, Maryland.**
- ✿ Reported as Silent: **WYKC-1400 Grenada, Mississippi; KIBL-1490 Beeville, Texas.**
- ✿ Un-Fines: Cancelled a \$14,000 fine levied to **KXOX-1240 Sweetwater, Texas** and its sister FM station for late filing of their renewal applications and subsequent unauthorized operation.
- ✿ News Item: FCC statistics reveal that between 2000 and 2010, the number of AM stations under their jurisdiction rose from 4685 to 4782. That 'other' band, however, gained 5552 for a total of 16,827. Of those, almost 7000 are in the 'low power' (250 Watts or less) category.
- ✿ Thanks to: **Wayne Heinen, and YOU.**

Domestic DX **Jim Tedford** Radio_Enthusiast@hotmail.com *Digest – West* **20310 Bothell-Everett Highway B4** **Bothell, WA 98012-8133**

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

Reporters

- JDS-MN **Jeff Steffes, Watertown, MN** Drake R8, Kenwood R-2000, Quantum QX Loop
 JJR-WI **John J. Rieger, South Milwaukee, WI** CC Radio 2
 JW-CO **John Wilkins, Wheat Ridge, CO** Drake R-8, 4-foot box loop.
 NK-WI **Neil Kazaross, Grafton WI** R8A and Phased BOG System at 63 degrees, 729 feet // 552 feet.
 RS-ID **Ron Schiller, Coeur d'Alene, ID** Palstar R30, Quantum Loop and Grundig 350, Kia Soul car radio.

Station News

- 1070 KLIO KS **Wichita** – 11/24 – I logged KLIO with weather from their sister station TV 12 KWCH; legal ID a few minutes later as KLIO. As far as I know, they are still KLIO. (JW-CO) See "KWCH" logging here in Vol. 78 #19. – DY

DX Loggings (All Times ELT)

- 570 CKGL ON **Kitchener** – 2/12 0631 – Fair; "570 News" said over & over & over. News stories, etc. Well produced. Never received this well. Usually it's WNAX on the channel here. (JJR-WI)
- 610 WIP PA **Philadelphia** – 2/16 1842 – Out of "Sports Radio Six-Ten WIP." Discussion on Philadelphia Flyers hockey team with listeners call in with comments. (JDS-MN)
- 650 WSRO MA **Ashland** – 2/13 1833 – Fair in peaks atop phased WSM with a gal in PP with local phone numbers and "Brasileiros Boston" announcement. They run 250 watts day power for at least an hour after sunset it seems. (NK-WI)
- 680 WDBC MI **Escanaba** – 2/13 0900 – Poor; LID, ABC news after end of song. WSCR off. (JJR-WI)
- WOGO WI **Hallie** – 2/13 0851 – Poor; local PSA, phone number, add during home improvement show break. No calls heard. WSCR off. (JJR-WI)

- CFTR ON **Toronto** – 2/13 0841 – Poor; "680 News" and "Traffic on the ones" in deep fades. WSCR off. **(JJR-WI)**
- 740 WCXZ TN **Harrogate** – 2/15 0641 – Very poor in CFZM null. Calls, OLD C&W. **(JJR-WI)**
- 750 KERR MT **Polson** – 2/15 0829 – Last part of program from the Northern Ag Network, followed by The Osgood File; MST time check and weather at 0834, followed by a "Cur Country" slogan and C&W music. Fair at best. **(JW-CO)**
- 900 CKBI SK **Prince Albert** – 2/13 2017 – "Don Mitchell's Southern Gospel Show" in progress; break at 2020 for program notes and an ad for Northern Lights Casino. Fair with local KPOF-910's IBOC off. **(JW-CO)**
- 920 KKLS SD **Rapid City** – 2/14 0259 – Heard several ID's as "97.5 The Hills" on overnight taping, but never an AM call. Format seems to be a mix of older pop mx. **(JW-CO)**
- KVEL UT **Vernal** – 2/14 0759 – Legal ID: "AM 920 KVEL Vernal-Roosevelt-Duchesne," followed by ABC news. Also noted later with "The Uintah Basin's News Leader" slogan. Poor in QRM. **(JW-CO)**
- KXLY WA **Spokane** – 2/14 0803 – Man and woman hosting local news; 0810 traffic and weather on the 10's. Fair/good with QRM. **(JW-CO)**
- 940 WFAW WI **Fort Atkinson** – 2/12 0655 – ABC News Perspectives with piece about John Mellencamp, into WFAW Community Calendar, followed by "Nine-Forty WFAW." **(JDS-MN)**
- CJGX SK **Yorkton** – 2/12 0639 – Commercials including; Sharing Gold Jewelers of Yorkton, Yorkton Toyota, and Key Chevrolet, into country song by female artist. **(JDS-MN)**
- 950 KRWZ CO **Denver** – 2/16 0744 – Poor-steady. Others nulled. "Crusin' Oldies 950 and 103.1." **(JJR-WI)**
- 960 KLTF MN **Little Falls** – 2/11 0805 – "This news update...KLTF brought to you by ?? Appliance in downtown Little Falls," followed by ad for same; local weather forecast followed at 0806. Very rare here, thanks to KRWZ's IBOC being off (again). **(JW-CO)**
- WABG MS **Greenwood** – 2/15 0700 – Poor with LID, then again at :04. Very distinguishing BLUES music. Sat & listened to :12 fade out. WSBT nulled tightly. NEW! **(JJR-WI)**
- 980 CFPL ON **London** – 2/12 0712 – "AM Nine-Eighty" into traffic report with spot for local business with phone number starting with 519 area code, followed by weather. **(JDS-MN)**
- 1010 CFRB ON **Toronto** – 2/12 0730 – "News Talk Ten-Ten Update" with references to Toronto, into weather report with current temp given: minus 3 degrees. **(JDS-MN)**
- 1020 KCKN NM **Roswell** – 2/13 0730 – Out of song *I'm Just an Old Chunk of Coal*, John Anderson, "Home of the Roswell UFO Museum, kick'n country KCKN" followed by song: *For the Good Times*. **(JDS-MN)**
- 1040 CJMS PQ **St. Constant** – 2/13 1740 – Very poor, presumed barely audible with FF with WHO phased. **(NK-WI)** Poor in WHO tight null. Male-Female chatter. "Quebec" announcements. No calls heard. **(JJR-WI)**
- 1090 KNWS IA **Waterloo** – 2/13 0804 – "It's Seven-O-Four and you're listening to KWNS" into Church service **(JDS-MN)**
- 1100 WSGI TN **Springfield** – 2/15 0730 – Fair in WTAM null, HD splash. TN voter info, Chattanooga news story, Smoky Mountains announcement, PSA, "news every morning at 6:30" which was of no help. :34 Saginaw, Michigan by Bobby Bare and another OLD C&W song at :37. Finally calls at :40! Re-log after all that, hi. **(JJR-WI)**
- 1130 KWKH LA **Shreveport** – 2/13 1924 – Out of song: *The Closer You Get* by Alabama. "Finally a station that plays only real country, Country Legends KWKH." **(JDS-MN)**
- 1140 KSOO SD **Sioux Falls** – 2/13 1934 – Commercials for Rock County Implements, and Sioux Falls Ministry Center, followed by Station ID: "Eleven-Four-Oh KSOO." **(JDS-MN)**
- 1340 KIHR OR **Hood River** – 2/11 1220 – Easily topping the channel with a Wal-Mart advertisement & very distinct "KIHR Hood River" ID. **(RS-ID)**
- 1350 KRNT IA **Des Moines** – 2/15 1858 – Out of *Dr. Laurie Roth Show*, into commercials, followed by IRN USA Radio News, followed by commercials, into KRNT jingle. **(JDS-MN)**

- 1370 KDTH IA **Dubuque** – 2/15 1914 – “AM Thirteen-Seventy KDTH,” followed by small talk by announcer, into “Perry Como on Thirteen-Seventy KDTH” followed by Perry Como song. (JDS-MN)
- 1410 KGRN IA **Grinnell** – 2/16 0730 – Poor-steady. Calls and various news sources. No usual WIZM. (JJR-WI)
- 1460 KDMA MN **Montevideo** – 2/13 1933 – Fair/good with play-by-play of Minnesota vs. Iowa basketball game, sponsored by Caribou Coffee, “The official coffee of the Minnesota Gophers,” call letter ID. (JW-CO)
- 1690 WVON IL **Berwyn** – 2/16 0752 – Traffic and weather together; call letter at 0753 and mention of wvon.com. Fair/poor in KDDZ null. (JW-CO)

John Wilkins in Colorado notes that local KPOF 910 IBOC was recently off for a bit, which opened up several adjacent channels for DXing. Nothing new, but stations unheard for a while were logged. A reminder to check your locals frequently – you never know when an IBOC shut-off, silent period or a missed antenna pattern change might yield something.

Thanks to all this week’s contributors. See you next time. (JDT-WA)

Domestic DX **Mike Brooker** aum108@idirect.com
Digest – East **99 Wychrest Avenue**
Toronto, ON M6G 3X8 CANADA

U.S./Canadian Loggings from Eastern/Atlantic Time Zones. All times ELT.

REPORTERS

- RB-NC **Ron Bailey, Marion** – Sony SRF-39FP
- HF-MI **Harold Frodge, Midland** – Drake R8B + 125 ft. bow-tie; 85 ft. RW & 180 ft. center-fed RW
- KK-VA **Kraig Krist, Manassas** – PL-310, NRD-545, Kiwa loop
- TLK-FL **Terry L. Krueger, Clearwater** – JRC NRD-535; ICOM IC-R75; Hammarlund HQ-180A; Aqua Guide 705 Radio Direction Finder; Sony ICF-7600GR; GE SuperRadio III; RadioShack DX-399; roof dipole; in-room random wire.
- DL-MD **David Larrabee, Columbia** – SDR-IQ, 160 meter ground plane vertical
- JM-PA **John Malicky, Pittsburgh** – Superadio III
- DY-WV **David Yocis, Shannondale** – R8B, Quantum phaser, longwires.
- MKB-ON **Mike Brooker, Toronto** – Grundig G5, Grundig YB-400PE, Sony SRF-39FP, Panasonic RF-2200 (receiver emeritus)

TIS/HAR

- 1510 WPZW713 FL **Lakeland** – 2/12 0900 – Lakeland Linder Regional Airport, yes, 1510 (not 1610). Surprised to hear this one with a brief but very good signal on I-4 on my drive to Orlando, peaking around the US-92 exit, which is nearly due north of the airport. Running a loop with segments by male and female voices, including a promo for the Aircraft Owners and Pilots Association and their website aopa.org; the annual Sun 'N Fun Fly-In event; and a segment touting Lakeland and all the fun you can have in and around Lake Parker, Lake Hollingsworth, etc. Not only is the signal way stronger than it's been in ages, it's the first definite log in quite a long time for me, even when passing closer to the airport a year or so ago. Also, it remains one of the few in-band active TIS/MIS stations in Florida. (TLK-FL)
- 1640 (TIS) FL **Orlando** – 2/12 0940 – Florida's Turnpike/DoT, near Orlando at I-4 (MP 259), very strong west of the I-4 Turnpike exit, as always, and with a brief loop by female regarding no current accidents or construction updates. (TLK-FL)
- (TIS) FL **Slavia** – 2/12 0945 – Florida's Turnpike/DoT (FL-417 near Red Bug Lake Road exit). This one started to co-channel the Turnpike MP 259 TIS on I-4 near the International Drive exits, peaking around I-4 at Anderson Street. Much longer loop than MP 259's, with male and female mentions of

conditions updates and phone number. Never very strong though, this far west of the transmitter site. **(TLK-FL)**

HARMONICS

- 1620 WFLF FL Pine Hills** – 2/12 1740 – 3 x 540 fundamental popped up while heading south on FL-429 west of Orlando and held up for 3-4 miles (the transmitter is roughly east of where this signal appeared). Completely overrode Kreyol pirate Radio Keenanm. News/Talk format, branding as "WFLA" when not giving legal ID's, as always. The Hyundai has a fairly poor radio, so this probably gets out way better, though doubt much beyond the western side of metro Orlando. **(TLK-FL)** *Note that harmonic loggings of domestic stations should only be reported to DDXD-E if they fall within the broadcast band. Harmonics above 1710 kHz should be reported to NASWA or other shortwave club. Mike.*

STATION NEWS

- 540 WWCS PA Canonsburg** – Following the month-long tape loop announcing their move of Radio Disney to 1250, WWCS was off the air for one week, then as of 2/8 began airing SS musical programming relaying Birach-owned WSDS-1480 Salem, MI (suburban Detroit) with that ID in EE and WWCS legal ID in EE at ToH, also a SS news break on the hour. **(JM-PA)**
- 1520 WTRI MD Brunswick** – Oft-silent station seems to be dark again as of 2/12. I once again have the temporary good fortune to have two of my three closest locals (WAGE-1190/1200 as well) silent. **(DY-WV)**

LOGGINGS

- 540 WFLF FL Pine Hills** – 2/4 1930 – Fair with disclaimer, "the Gold Show...does not reflect the views of WFLA," station promo, "...on 540 WFLA and 540wfla.com, WFLF Pine Hills...WTKS FM [104.1] Cocoa Beach...now what more of America..." into Fox news. Also noted 2/5 at 2045 with Florida Gators basketball game v. Kentucky. **(JM-PA)**
- WKFN TN Clarksville** – 2/5 0159 – Fair, fading up with ID as "WKFM Clarksville, Hopkinsville, Fort Campbell...find out what's going on with Middle Tennessee high school and college sports right here on Sports Radio 540 The Fan," into ESPN Sportscenter. **(JM-PA)**
- +++ 2/16 0004 – ESPN; ID as "This is Sports Radio 5-40, the Fan," "Right here in middle Tennessee, AM 5-40 the Fan." Mainly under CBK. TN #44. **(HF-MI)**
- WGTH VA Richlands** – 2/7 1750 – Fair with local ads, southern gospel music, ToH ID as "WGTH AM and FM Richlands and wgth.net around the world," into SRN news, heard until power cut at 1802. **(JM-PA)**
- CBK SK Watrous** – 2/16 0004 – CBC Radio 1 local weather at tune-in; later Vinyl Cafe w/tunes & tales. 0100 "This is CBC Radio 1 in Saskatchewan"; into CBC News. Mainly on top, but ESPN also bubbling up. No sign of CBEF. **(HF-MI)**
- 550 KTSA TX San Antonio** – 2/12 0701 – Popping up just before local sunrise atop Radio Rebelde with network news, then canned "The Talk of San Antonio... 550 KTSA." Very good level, and nice to hear this over Cuba. **(TLK-FL)**
- WSAU WI Wausau** – 2/16 1817 – Mainly on top with University of Wisconsin Badgers basketball pre-game show, ID as "AM 5-50 & FM 99.9 WSAU," ad for Charlie's Hardware in Mosinee. **(HF-MI)**
- 560 CFOS ON Owen Sound** – 2/17 1753 – Many IDs as "5-60 CFOS", sports talk to ToH then oldies. Mainly under WRDT Monroe, MI until ToH when they dropped away. **(HF-MI)**
- 600 KTBB TX Tyler** – 2/13 0707 – Certainly the one, very briefly in with conclusion of a commercial break, into the syndicated Gun Talk Show with host Tom Gresham ("Welcome back to the Gun Talk Show... on FOX Radio...866-TALK-GUNS..."). Looked the show up at guntalk.com, and indeed this is the only station listed on 600, and the time matches, as does the propagation path to west central Florida. Fair, and quickly lost to Cuba and unidentified Mexican. Also, local WDAE-620 kicked in their IBOC at 0712, forcing me to go to LSB mode. **(TLK-FL)**



- 700 WDMV MD Walkersville – 2/12 1500 – As per last week’s AM Switch, formerly silent station on with SS music and talk, “La Jefa” IDs. This slogan used to be heard on WCTN-950, which doesn’t seem to be using it at the moment. **(DY-WV)**
- 730 WMNA VA Gretna – 2/12 1942 – Dominant in the mix with ESPN talk, gave web site espninja.com, which is the site for sister stations WBLT-1350, WGMN-1240, WMNA-FM-106.3, and WVGM-1320. **(DY-WV)**
- 880 KRVN NE Lexington – 2/14 1819 – C&W music; ads mentioning Arapaho and Council Bluffs; KRVN bumper tinkle at 1834 into local weather. Poor; WCBS mainly on top, but other station with Hannity & 70s rock also there. **(HF-MI)**
- 950 WORD SC Spartanburg – 2/11 1804 – ID, local news, good over WBES, WCTN, others. **(DY-WV)**
- WXGI VA Richmond – 2/2 1740 – Fair with local sports talk, “ESPN 950” slogan. **(JM-PA)**
- 1000 WIOO PA Carlisle – 2/2 1730 – Fair with “WIOO” mention, C&W songs, then lost to WMVP. **(JM-PA)**
- +++ 2/13 1025 – Plenty of local Pennsylvania area advertising, "From country 1000 and 1480" and at 1033: "On Country Gold WIOO and WEEO." **(DL-MD)**
- 1020 WIBG NJ Ocean City-Somers Point – 2/13 1100 – "...On WIBG ten twenty of Mount Zion Baptist Church..." "... right here at WIBG..." "WIBG Ocean City, Somers Point, Atlantic City, South Jersey's first choice for Christian news..." The signal was weak. Used LSB to avoid 1030's strong LSB. No hint of KDKA, my new ¼ wave 160 vert must have a null to the north west?! **(DL-MD)**
- 1070 WFLI TN Lookout Mountain – 2/15 1805 – Creaming usual CHOK with IRN-USA news, ID and station promo: “your home for southern gospel...the Tennessee Valley’s southern gospel music leader, 1070 WFLI Lookout Mountain-Chattanooga” into (well, duhhhh!) a southern gospel song. **(MKB-ON)**
- 1080 WYHY KY Cannonsburg – 2/2 1811 – Good with slogan “the Big 1080 WYHY,” oldies, then faded out. **(JM-PA)**
- 1130 WLBA GA Gainesville – 2/13 0100 – Mexican music most of the last two nights, “La Grande” IDs, finally a legal ID at this time for WAOS (1600) and WXEM (1480), good at times with WBBR. **(DY-WV)**
- 1160 WCRT TN Donelson – 2/2 1957 – Fair in mess over WYLL with ID as “your 24-hour Christian connection, WCRT Donelson-Nashville, a Bott Broadcasting Station.” **(JM-PA)**
- 1170 WDEK SC Lexington – 2/12 1801 – Ex-WQVA back on with full legal ID, station promo, “kick back with Lexington’s only station with beach, boogie and blues” and “The Deck” slogan. Playing old R&B tunes over/under WWVA, solid music with no ads. **(RB-NC)**
- 1200 WRKK PA Hughesville – 2/2 1730 – Fair with local ads, PSAs, station promo “log on to WRAK...” (// WRAK-1400) into Glenn Beck show. **(JM-PA)**
- 1260 WPNW MI Zeeland – 2/11 1749 – Slogan "12-60 the Pledge" into Holland Christian High School basketball pre-game; pretty sure it was them airing Focus on the Family, which may have ended about 1745. In and out with mainly WNDE Indianapolis. **(HF-MI)**
- 1270 WLIK TN Newport – 2/2 1904 – Fair with local weather and “Oldies countdown on WLIK.” **(JM-PA)**
- 1310 WDCT VA Fairfax – 2/16 2203 – In mix with "WDCT Fairfax Virginia" ID in EE into Korean program. **(KK-VA)**
- 1330 WSPQ NY Springville – 2/16 1922 – In mix with slogan "Classic hits 13-30 WSPQ" into Ben E. King’s "Stand By Me." **(KK-VA)**
- 1340 WLEW MI Bad Axe – 2/12 1456 – C&W tune to ID at ToH into CNN Radio News, local news, ad for Rooney Contracting and Crane Service in Bad Axe. Over co-channel QRM; splash from both sides, mainly from WGDX-1350, LSB brings up IBOC, presumably from 1330 WTRX Flint MI. **(HF-MI)**
- 1350 WGDN MI Gladwin – 2/11 1654 – Good on top with slogan "103 Country & Talk Radio 13-50," "AM 13-50 WGDN"; no news at ToH, but local area calendar at 1703, Sean Hannity show, ads from Midland, Beaverton, Clare, Frankenmuth, and even one for Gladwin. **(HF-MI)**
- 1360 WYOS NY Binghamton – 2/14 1728 – Typical ESPN Radio sports talk in mix with WMNY, station promo "... noon to 5 on ESPN Radio... ESPN Radio WYOB Binghamton." **(KK-VA)**

- WMNY PA **McKeesport** – 2/14 1728 – In WYOS mix with man begging listeners to call in. Discussion about how water came to the earth. "Money Talk 13-60 WMNY" slogan. **(KK-VA)**
- 1370 WXXI NY **Rochester** – 2/14 1802 – In WSHV/WGIV mix with man alking about economic growth, "You're listening to NPR. This is WXXI News.... Rochester." **(KK-VA)**
- WGIV NC **Pineville** – 2/14 1802 – Man with ID and website promo in mix with WXXI and WSHV, "WGIV 13-70 AM... WGIV dot net..." **(KK-VA)**
- WSHV VA **South Hill** – 2/14 1802 – In mix with WXXI and WGIV, playing oldies including Anita Baker "Sweet Love," woman with station promo "Oldies from the 70's to the 90's on 13-70 WSHV. The classic soul of the Southside." **(KK-VA)**
- WCCN WI **Neillsville** – 2/17 1806 – Over usual pests (WSPD, WXXI) with Simon & Garfunkel's "Feeling Groovy," "1370 AM WCCN" ID and "WCCN" jingle into "Kentucky Rain" by Elvis Presley. **(MKB-ON)**
- 1380 CKPC ON **Brantford** – 2/16 2159 – C&W songs, man with station promo: "This is CKPC the country music you love." **(KK-VA)**
- 1410 WING OH **Dayton** – 2/15 2348 – "14-10 Wing AM," "AM 14-10 ESPN" slogans, sports talk, mainly on top but occasionally challenged by station with George Noory. **(HF-MI)**
- 1520 KOLM MN **Rochester** – 2/13 0001 – Over nulled WWKB with ESPN sports talk, ToH ID: "The Ticket, sports radio 1520 KOLM Rochester, a Cumulus station" into run-down of college basketball scores. Another one in the mix since WWKB started having transmitter troubles. **(MKB-ON)**
- WQCT OH **Bryan** – 2/14 1808 – Caught "AM 1520 WQCT" ID and Valentine's Day contest promo under mix of WWKB, WJMP and possibly others. **(MKB-ON)**
- WJMP OH **Kent** – 2/14 1800 – Fighting off nulled WWKB with ToH ID: "The new talk radio, WJMP Kent-Akron" into CNN news. **(MKB-ON)**
- 1570 WILO IN **Frankfort** – 2/12 2038 – WILO ID and Frankfort mention, list of local program sponsors, briefly atop the jumble. Again at 2104 with ID and into IRN/USA News at this odd time, at 2107 mention of 94.1 FM and "your community station." 468 miles for 250 watts. **(DY-WV)**
- 1620 (Pirate) FL **Orlando** – 2/9 0935 – Radio Keenam with usual Haitian Kreyol talk and konpa music format, already at fair level on I-4 heading to Orlando just past Walt Disney World, and throughout the day on sporadic checks around metro Orlando. **(TLK-FL)**

ABBREVIATIONS USED IN DDXD

// - Parallel to. :00 – On the hour. AC – Adult contemporary. AP – Associated Press. BBD – Big band. C&W – Country and western. CCz`R – Contemporary Christian radio. CHR – Contemporary hit radio. CID – Code ID. CL – Call letters. COL – City of license. EE – English. EZL – Easy listening. FF – French. GOS – Gospel. Hi – A joke; the ham radio equivalent of :-). LID – Legal ID (i.e., CL and COL near the ToH). LSR – Local sunrise. LSS – Local sunset. NBA – National Basketball Association. NFL – National Football League. NHL – National Hockey League. NPR – National Public Radio. OC – Open carrier. OLD – Oldies. PSRA – Pre-sunrise authority. PSSA – Post-sunset authority. QRM – Man-made interference (power lines, other stations, etc.). QRN – Natural interference (lightning, etc.). QTH – Location. REL – Religious. ROK – Rock'n'roll. RS – Regular schedule. \$ - Stereo. SID – Singing ID/jingle. SRS – Sunrise skip. SS – Spanish. SSB – "The Star-Spangled Banner." SSS – Sunset skip. TC – Time check. ToH – Top of the hour. TT – Test tones. UC – Urban contemporary. VID – Voice ID. WW1 – Westwood One.

International DX Digest

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

Loggings of stations outside the Lower 48 and Canada. All times UTC.

Trans-Atlantic DX

- 531 ALGERIA *Chaîne 1*, F'kirina Wilaya d'Oum El Bouaghi FEB 13 2324 – Very good, easily past pest CIAO; parallel 549 kHz. Weak sub-audible het also noted. [Kazaross-WI]

- 549 **ALGERIA** *Chaîne 1, Les Trembles* FEB 13 2323 – Excellent, actually an understatement! Absolutely blowing out WGR etc. on 550 with mostly a man speaking Arabic and occasional musical interludes. If I spoke Arabic I could've understood every word. So strong it made 550 seem like it was the split. Could be heard mixing with 550 on truck receiver! Parallel 531 (also in on truck radio but not as well). 15 minutes later these were much weaker. [Kazaross-WI]
- 585 **SPAIN** *RNE1 Madrid* FEB 13 2327 – Poor with man speaking Spanish parallel others. Normally this is stronger in even fair TA conditions. [Kazaross-WI]
- 666 **PORTUGAL** *RDP Antena 1* synchros FEB 13 2308 – Fair to good peak, presumed with a country western song with WSCR phased but faded quickly. [Kazaross-WI]
- 684 **SPAIN** *RNE1 Sevilla* FEB 13 2314 – Loud and clear with man and woman in Spanish parallel a couple others, but soon faded to weak. [Kazaross-WI]
- 693 **UNITED KINGDOM** *BBC Radio 5, Droitwich* et al. FEB 13 2303 – Poor but good enough to hear a few English words. Usually this is better. Was bothered by WVCY. [Kazaross-WI]
- 702 **FRANCE** *RMC-Info, La Col de La Madonne* FEB 13 2254 – Very poor, presumed, just good enough to tell that she was speaking French. [Kazaross-WI]
- 837 **CANARY ISLANDS//SPAIN** *COPE* synchros FEB 13 2316 – Poor with Spanish talk and no trace of France or Azores. Usually this one is stronger. [Kazaross-WI]
- 855 **SPAIN** *RNE1 Murcia* et al. FEB 13 2320 – Fair in slop with man in Spanish. [Kazaross-WI]
- 864 **FRANCE** *France Bleu, Villebon-sur-Yvette* FEB 13 2318 – Good for a couple of minutes pushing back CIBC slop (normally awful) with a gal speaking French. Not a trace of Egypt noted under. [Kazaross-WI]
- 873 **SPAIN** *SER* synchros FEB 13 2347 – Poor with typical *SER* talk. [Kazaross-WI]
- 972 **LIBYA** *Libyan Jamahiriya*, Sirte FEB 13 2344 – Fair peak with Arabic music and then talk parallel weaker 1053.1 kHz. Hard to believe that this is only 50 kW. Big signal present but undermod audio. [Kazaross-WI]
- 1053.1 **LIBYA** *Libyan Jamahiriya*, Tripoli FEB 13 2345 – Poor past low growl from 1053 kHz; parallel 972 kHz. Both noted on past 2400 UTC. [Kazaross-WI]
- 1116 **SPAIN** *SER* synchros FEB 13 2349 – Very poor with WISN IBOC phased. Typical *SER* talk parallel 873 kHz. Pontevedra was IDed here during a local break last November. [Kazaross-WI]
- 1134 **CROATIA** *Hrvatske Radio, Zadar* FEB 13 2243 – Fair peak with woman speaking in a Slavic language. Gone after 2300 sign-off. WISN phased. [Kazaross-WI]
- 1134 **SPAIN** *COPE* synchros FEB 17 2335 – Fair; talk in Spanish. [Conti-NH]
- 1206 **FRANCE** *France Info, Bordeaux* FEB 14 0004 – Poor with gal speaking French. Usually stronger, but high end TA's were very poor. [Kazaross-WI]
- 1215 **KALININGRAD** *VOR Bolshakovo* FEB 17 2340 – Feature program in English, well over *Absolute Radio*. Surprised to hear this under auroral conditions. [Conti-NH]

Pan-American DX

- 750 **VENEZUELA** *YVKS RCR Caracas* FEB 18 0006 – Fair, over WSB; political speech parallel 780 YVMN. [Conti-NH]
- 780 **VENEZUELA** *YVMN R.Coro, Coro* FEB 18 0004 – Good; political speech by a woman in Spanish. [Conti-NH]
- 880 **MEXICO** *XETC Torreón, Coah* FEB 15 1258 – Pop music; one or two ads at 1259; UTC-6 time check at 1300, temperature check (12 degrees), call letter ID, "Estéreo Mayran" slogan and into news, with mainly Coahuila datelines. Fair peaks in KRVN null. [Wilkins-CO]
- 900 **MEXICO** *XEOK Monterrey, NL* FEB 14 0200 – ID with power, address, etc.; just partially readable. Local 910 KPOF's IBOC was off for the first time in recent memory, rendering 900 DXable for a few hours. [Wilkins-CO]
- 940 **PUERTO RICO** *WIPR San Juan* FEB 17 2357 – Fair to good; classic salsa with flute, ID on the hour, "La emisora... WIPR San Juan..." [Conti-NH]
- 1540 **MEXICO** *XEHOS Hermosillo, Son* FEB 17 1342 – News/talk in progress; at 1344 heard "Información, ayuda, orientación, denuncia - María del Socorro Rodríguez en Univer Informa por La Poderosa 1540," followed by station promos and program notes. Fair peaks with fading and interference. [Wilkins-CO]

Contributors

Bruce Conti, Nashua NH; WiNRADiO Excalibur, 7 x 19.5-m variable termination Split SuperLoop at 60°, 15 x 23-m variable termination north/south SuperLoop.
 Neil Kazaross, Grafton WI; Drake R8A, phased BOG system at 63° 729 ft parallel 552 ft.
 John Wilkins, Wheat Ridge CO; Drake R8, 4-foot box loop.

Domestic DX Achievements

David Yocis NRCDXNews@gmail.com
864 Valley View Road
Harpers Ferry, WV 25425

Thanks to all who have updated their International DX Achievements listings. Here is the current list for Domestic DX Achievements.

Here's what we show – total **domestic** stations (United States and Canada only, please) heard (H), verified (V), and taped (T). For each category we show total stations, states (the "+" refers to the District of Columbia), and provinces. For this issue, entries are sorted by total domestic stations heard.

If you're listed here, feel free to update your totals. If you're not, send in your totals. We'll run these standings occasionally as space permits.

Name and location	Year	Updated	TDH	SH	PH	TDV	SV	PV	TDT	ST	PT
Krejny, Ed – nr Cleveland, OH	1950	Nov 96	3265	49+	10	2729	49+	10	0	0	0
Winsor, Roger – Valparaiso, IN	1964	Aug 07	3154	50+	10	1224	50	8	0	0	0
Falconer, Jeff – Clinton, ON	1969	Jul 00	2799	49+	10	1070	49+	10	0	0	0
Francis, Steve – nr Knoxville, TN	1970	Oct 07	2754	48+	9	37	36+	0	885	45+	5
Pimper, Dennis – NE, UT	1939	Dec 06	2540	47	7	425	45	6	651	40	5
Wesolowski, Ernie – Omaha, NE	1958	Jan 08	2474	49+	9	1966	49+	9	0	0	0
Kureth, Joe – Uniontown, MD	1961	Jan 00	2162	46+	10	342	41+	7	0	0	0
Axelrod, Shawn M. – s MAN	1986	Feb 06	2149	50+	10	0	0+	0	0	0	0
Whatmough, Dave – Hamilton ON	1951	Jan 00	2061	49+	10	1030	49+	10	0	0	0
Wilkins, John – Wheat Ridge, CO	1981	May 08	1958	41	6	1088	40	6	970	40	6
Edmunds, R.J. – n NJ/e PA	1962	Feb 09	1916	47+	9	227	42	6	1084	43+	8
Fela, Joseph – cent NJ	1961	Oct 78	1861	49+	10	1045	48+	9	400	40+	7
Chatterton, Ken – n NY	1945	Nov 78	1845	50+	10	1101	50+	10	0	0	0
Forth, Karl – vic Chicago, IL	1970	Nov 78	1771	48+	10	1088	48+	10	1077	48+	10
Renfrew, Jim – Rochester, NY	1976	Oct 06	1709	47+	10	449	45+	10	68	35	8
Malicky, John – Pittsburgh, PA	1970	Jan 08	1633	42+	6	902	40+	7	1335	40+	6
Heinen, Wayne – CO	1975	Feb 09	1608	42	5	1176	42	5	699	37	6
Bailey, Ron – Shelby, NC	1992	Aug 08	1583	37+	6	5	4	1	0	0	0
Jeter, Karl – Atlanta, GA	1969	Mar 84	1574	44+	6	1193	44+	6	0	0	0
Musco, Ron – nr Hartford, CT	1962	Jan 07	1400	47+	9	1269	47+	9	108	28	3
Hayes, Harry J. – ne PA	1970	Jul 98	1354	41+	9	185	30	3	641	39+	9
Wilkins, John – W. Des Moines, IA	1962	Nov 06	1307	45+	7	489	44+	7	0	0	0
Arruda, Ray – nr Boston, MA	1963	Oct 06	1292	47+	9	1150	47+	9	0	0	0
Wolfish, Niel – Toronto, ON	1978	Feb 93	1285	43+	10	493	43+	10	402	39	6
Schmidt, Dave – se PA/n DE	1965	Nov 79	1250	48	8	1006	48	8	400	40	4
DeLorenzo, Marc – e MA	1962	Mar 07	1239	45+	10	1	0	0	1	0	0
Onyschuk, Ken – Homewood, IL	1967	Aug 06	1064	43+	6	16	13	0	0	0	0
Anderson, Roger – Arlington, MD	1938	Jan 06	1017	48+	9	1017	48+	9	0	0	0
Foxworth, Robert – Long Is., NY	1957	Nov 78	1000	49+	10	270	48+	7	400	44+	9
Harrison, Bob – ne NJ	1982	Jun 98	996	36+	7	772	36+	7	0	0	0
White, Thomas – Arlington, VA	1968	Jan 92	994	39+	7	243	38+	7	0	0	0
Truax, Dick – vic. Louisville, KY	1972	Dec 78	935	46+	6	20	17	3	120	35+	5
Sampson, John – Omaha, NE	1954	Dec 78	912	45+	6	912	45+	6	0	0	0
Hardison, Greg – Atlanta, GA	1964	Nov 78	900	36	6	42	19	5	0	0	0
Taylor, Pete – Durham, NC	1952	Mar 00	891	40+	6	208	38+	6	0	0	0
Kureth, Joe – Southern Pines, NC	1963	Jun 71	878	38+	7	92	26+	2	0	0	0
Rigas, Christos – vic Chicago, IL	1981	Mar 98	862	46+	7	382	44+	6	0	0	0
Holland, George – nr Albany, NY	1931	Oct 06	828	49+	9	828	49+	9	0	0	0
Smolarek, Bob – n NJ	1982	Jun 06	817	36+	5	7	7	0	78	16	5
Yocis, David – Shannondale, WV	2004	Feb 11	815	32+	6	0	0	0	159	23+	2
Wolfish, Niel – Winnipeg, MAN	1985	Feb 93	813	37	9	25	10	4	113	10	4
Wallace, Jim – Columbus, OH	1969	Oct 78	795	41+	7	137	36+	3	0	0	0
Swearingen, Paul – e KS	1975	Dec 07	788	44+	7	2	2	0	788	44+	7
Bond, Jerry – Rochester, NY	1962	Oct 78	785	43+	8	0	0	0	50	10	2
Crabill, Perry – VA	1990	Jan 06	779	35+	3	0	0	0	0	0	0

Hardy, Nancy – coastal WA	1969	Dec 84	778	40	5	3	2	0	0	0	0
Ponder, Stephen – Shreveport, LA	1975	Aug 89	769	39+	5	721	39+	5	10	4	4
Winkelman, Bruce – Tulsa, OK	1979	Nov 06	705	36	5	0	0	0	0	0	0
Reed, John – Ponca City, OK	1995	Jan 06	656	40	6	0	0	0	0	0	0
Edmunds, R. J. – Syracuse, NY	1964	Sep 99	533	45+	9	75	31+	5	0	0	0
Boersma, Philip – w MI	1973	Oct 78	520	41	6	50	24	3	0	0	0
Mount, Paul – ne NJ	1973	Feb 86	489	36+	7	224	33+	6	199	26+	5
Heinen, Wayne – NY	1964	Jan 06	480	44+	9	429	44+	9	30	14	0
Taylor, Pete – Tacoma, WA	1981	Mar 00	468	33	3	70	14	7	399	33	0
Jones, David B. – Springfield, TN	1996	Apr 06	464	34+	4	168	30	4	0	0	0
Taylor, Pete – San Francisco, CA	1958	Mar 00	450	32	7	329	31	7	70	6	1
Sampson, John – Win-Salem, NC	1968	Oct 78	450	30+	1	450	30	1	0	0	0
Tudenhams, John – Joplin, MO	1990	Oct 97	444	36	5	0	0	0	0	0	0
Mount, Paul – se OH	1978	Feb 86	390	36+	3	3	3	0	60	25	1
Houdek, Gary – n KS	1975	Feb 06	374	37	4	54	26	1	0	0	0
Alves, Paul H. – nr Boston, MA	1948	Feb 99	352	32+	6	145	25+	5	0	0	0
Sampson, John – Hutchinson, MN	1960	Oct 78	336	42	6	336	42	6	0	0	0
Vervoort, John – Madisonville, KY	2004	Jun 07	303	32+	2	0	0	0	0	0	0
Vervoort, John – Brooklyn, NY	2000	Nov 06	274	31+	5	4	4	0	25	9+	2
Turner, Rick – Bemidji, MN	2005	Jan 06	273	27	5	0	0	0	0	0	0
Sampson, John – Cupertino, CA	1966	Oct 78	258	17	3	258	17	3	0	0	0
Karchevski, Bob - San Fran., CA	1969	Oct 78	249	36	5	198	36	5	197	35	5
Hopkins, Eric – MA	2007	Feb 08	242	27+	4	0	0	0	0	0	0
Taylor, Pete - Coral Gables, FL	1945	Mar 00	221	29+	3	132	30+	2	0	0	0
Sampson, John – New York, NY	1965	Dec 78	181	33+	6	181	33+	6	0	0	0
Edmunds, R. J. – ne ME	1994	Sep 99	172	20	6	0	0	0	0	0	0
Vervoort, John – Murray, KY	2003	Jan 07	152	29+	2	0	0	0	7	7	0
Vervoort, John – Bronx, NY	2003	Nov 06	144	22+	5	0	0	0	0	0	0
Thompson, Blaine – Toledo, OH	2003	Feb 06	137	22	2	0	0	0	0	0	0
DeLeurere, H. - Hendricks, WV	1955	Oct 78	59	48+	10	59	48+	10	0	0	0

NOAA Space Weather Outlook

Issued February 15 – For the period February 16-March 14, 2011

Solar activity is expected to be low to moderate with a slight chance for high activity from February 16-20. Activity is expected to decrease to low levels by February 21 as Regions 1158 and 1159 rotate off the visible disk. An increase in activity is expected on March 5 when old Region 1158 (S20, L=14) rotates back onto the disk.

No proton events are expected at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to be at high levels for February 14-15. Normal to moderate levels are expected from February 16-March 4. High levels are expected from March 5-10 followed by a return to low to moderate levels for the remainder of the period (March 11-14).

Geomagnetic field activity is expected to be at unsettled to active levels with a chance for isolated minor storm periods from February 16-19. The increase in activity is due to the combination of a recurrent coronal hole high speed stream (CH HSS) and a CME associated with an X2 x-ray event observed on February 15. Predominantly quiet levels are expected for February 20-28. Activity is expected to be quiet to unsettled with a chance for isolated active periods from March 1-3 due to a recurrent CH HSS. Mostly quiet conditions are expected for the remainder of the period (March 4-14).

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

Membership Renewals

Your subscription expiration date is on the back cover – right on the other side of this page! Renewals go to NRC Headquarters, P.O. Box 473251, Aurora, CO 80047-3251. Rates are also on the back page. You can also order online using PayPal – go to www.nrcdxas.org.

Order e-DXN in addition to (or instead of) your subscription to the paper edition, and get DX News in PDF form (and in full living color!) a full week before the masthead publication date.

You can use the opportunity to order publications too – just a single check is necessary.

National Radio Club

Founded in September, 1933, the National Radio Club is a non-profit organization devoted to the medium wave DX hobby. It is operated solely by uncompensated volunteers. Subscription costs cover printing, postage, and operational costs and are subject to change without prior notice. The opinions expressed in this magazine are those of the individual writer and do not necessarily reflect those of the Publisher or the Board of Directors of the National Radio Club, Inc. Any reproduction of material contained in DX News/e-DXN without permission of the National Radio Club or the author is prohibited. All published material in DX News/e-DXN may be reprinted by the National Radio Club at a later date. DX News/e-DXN published material reprinted in other publications should include an attribution naming the author and DX News/e-DXN as the original source. Construction projects described herein may be hazardous and are to be undertaken at the assembler's risk; the NRC, its officers, and author(s) will not be responsible for any injuries or losses arising during these projects. Tool usage and electricity can be dangerous.

NRC Board of Directors: Shawn Axelrod <amandx@mymts.net> - 30 Becontree Bay - Winnipeg MB R2N 2X9 Canada; Ken Chatterton <krazyken@frontier.com>; Bill Hale <w_r_hale@sbcglobal.net>; Wayne

Heinen <amradiolog@nrcdxas.org>; Chairman; NRC AM Radio Log Editor - 4131 S. Andes Way - Aurora, CO 80013-3831; Dick Truax <K9RT@aol.com>; NRC Treasurer - P. O. Box 39451 - Louisville, KY 40233-9451.

NRC/IRCA DX Tests Manager: Saul Chernos - 57 Berkely St. - Toronto, Ontario Canada M5A 2W5, <schernos@sympatico.ca>.

The National Radio Club includes Publications, DX News, e-DXN, and DX Audio Service:

- **DX News – David Yocis, Publisher/Editor** <NRCDXNews@gmail.com> – 864 Valley View Rd. – Harpers Ferry, WV 25425-6987; 304-725-6299 [leave voice mail]. (Contributions to DX News only)

Subscriptions and Renewals to DX News: Yearly subscription (30 issues) per year U. S. Address: US\$33.00; Canadian Address: US\$43.00; all other countries: US\$57.00.

Subscriptions and Renewals to e-DXN: Annual registration: \$5.00 if you're already a DXN or DXAS subscriber; \$15.00 to non-subscribers. To subscribe: Access the e-DXN web site <http://e-dxn.com> and then follow the indicated links.

- **DX Audio Service – Fred Vobbe, Publisher/Producer** – 706 Mackenzie Drive -Lima, OH 45805-1835, (recordings for the Audio Service and DXAS address changes)

Subscriptions and Renewals to DX Audio Service: Yearly subscription (twelve 90-minute tapes, mailed on or about the 20th of each month): One-year First-Class Mail subscription to DX Audio Service to USA, Canada addresses: US\$28.00; all other addresses: US\$40.00

National Radio Club

P.O. Box 473251

Aurora, CO 80047 – 3251

DX News or DXAS subscription or delivery problems? Contact NRC HQ <sales@nrcdxas.org> or via National Radio Club Headquarters' PO Box.

What to send via USPS to

**The National Radio Club Headquarters
PO Box 473251**

Aurora, CO 80047-3251

New Subscriptions and renewals to DX News, e-DXN.com and the DXAS Audio Service and any orders for publications of the National Radio Club.

All subscription addresses changes and any and all delivery problems for any NRC items. No need to send orders for separate items with separate checks or in separate envelopes. It all goes to the same National Radio Club HQ Payment options for any item: US\$ funds only: check, money order, or credit card (via PayPal: access <www.nrcdxas.org> ONLY and follow the links), or cash at your risk. (Out of USA: Postal MO or PayPal Only; NO checks.) All checks and money orders should be made out to: **National Radio Club**.

DX News is printed by The Coughlin Printing Group -144 Main Ave - Watertown, NY 13601-1925

**First-Class Mail
U.S. Postage
PAID
Watertown, NY
Permit # 65**