

DX News

Serving DX'ers since 1933



Volume 81, No. 18 • February 3, 2014 • (ISSN 0737-1639)

Inside this issue . . .

- 2 ... AM Switch
- 4 ... Domestic DX Digest East
- 7 ... Domestic DX Digest West
- 8 ... International DX Digest
- 9 ... Musings of the Members
- 10 ... DX Toolbox

DX Test: KCKM-1330 Monahans TX will test on Saturday, March 22, at 0100-0130 ELT, with 12 kW non-directional into a 5/8th-wave tower. The test will consist mainly of Morse code, sweep tones, and sound effects known to cut through the mud. There will be a few voice announcements spread out through out the test.

GM and station owner Bob Souza will accept reports. E-mail reports to bob@kckm1330.com are preferred (.mp3 attachments only, .wav are too big), but snail-mail reports will be accepted too at P.O. Box 990, Monahans TX 79756.

A verification postcard will be sent – a stamp to defray postage costs is always a good idea. (Thanks to Bob and Paul Walker.)

Unreported Domestic Stations – No changes this issue to our list of 538 full-service AM stations in the United States and Canada remain that have not been reported to DDXD since Volume 67 (1999-2000). The latest list is available on e-DXN.

SWLFest 2014: The North American Shortwave Association (NASWA) has announced preliminary program details for its 27th annual Winter SWL Festival March 14-15 at the Doubletree Suites Hotel in Plymouth Meeting, PA. Mark Fahey of Australia will be bringing lots of airchecks from his visits to North Korea (which should be interesting!) and, while the focus is mainly on shortwave, a number of MW-related presentations are planned as well. For more details, see the Fest webpage at www.swlfest.com.

NRC Convention 2014: And speaking of conventions, we still need a host for the NRC convention in 2014. If no one comes forward to host soon, we may not have an NRC convention this year – so please think about whether you are interested. For more

information, For information, contact Ernie Wesolowski at NEErnieW@yahoo.com or 13312 Westwood Ln., Omaha, NE 68144.

Come Socialize with Us: The NRC is on Facebook and Twitter! Social media is yet another way to keep in touch with NRC members, share DX tips, and spread the hobby – and the news about what the NRC has to offer to a broader public. For more information, see page 6.

VOL. 81 DX NEWS PUBLISHING SCHEDULE

| No | In By | Date | No | In By | Date |
|----|---------|---------|----|---------|----------|
| 19 | Jan. 31 | Feb. 10 | 25 | Apr. 11 | Apr. 21 |
| 20 | Feb. 7 | Feb. 17 | 26 | May 2 | May 12 |
| 21 | Feb. 14 | Feb. 24 | 27 | May 30 | June 9 |
| 22 | Feb. 21 | Mar. 3 | 28 | June 27 | July 7 |
| 23 | Mar. 7 | Mar. 17 | 29 | Aug. 1 | Aug. 11 |
| 24 | Mar. 21 | Mar. 31 | 30 | Sept. 5 | Sept. 15 |

MEMBERSHIP REPORT

Renewing Members – Thanks to the continued support of Donald Craig Barnes; Richard D. Hansen; Richard Manner; Andrew Ooms; Forest Osborn; Denis Picard; and John R. Wallace.

DX TIME MACHINE

75 Years Ago: From the February 1, 1939 issue of *DX News* – Ike Davis of Elkhart, Texas says his best verification is of 2YN in Nelson, New Zealand, operating with 30 watts.

50 Years Ago: From the February 1, 1964 issue of *DX News* – Ron Schiller in Florida reported Ghana on 1200 kHz; the NRC governing body turned down a proposed set of bylaws from the 1963 Denver convention.

25 Years Ago: From the February 6, 1989 issue of *DX News* – Patrick Martin reported two 500 watt Australian stations on 1629 kHz.

10 Years Ago: From the February 9, 2004 issue of *DX News* – Dave Braun's "DXers Notebook" compiled tips on phasing.

NRC AM Radio Log, 34th Edition

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

Price: To the United States, \$22.95 to members, \$28.95 to non-members

Add \$3.85 for Priority Mail.

To Canada, \$35; Airmail to all outside US/Canada: \$39.00.

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

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

Tuesday marked the first snowfall of more than two inches here in D.C. in almost three years, and the conditions seem to have frozen things over at the FCC. Here's what they have for us:

CALL CHANGES



- 1430 KWAP AK Wasilla – Call change to KKNL (1/22).
1600 WJSA PA Jersey Shore – Call change to WEJS (1/21).

NEW STATION WATCH

CP expired and deleted:

- 1030 KEGC CA Elk Grove – CP for new station (U4 50000/10000) expired and is deleted.
Three more CPs are about to expire soon: CP-1460 Shawano WI (U4 1000/620) on Jan. 28, and CP-1180 Jacksonville OR (U2 50000/1300) and KDCO-1550 Golden CO (U2 990/350), both on Feb. 2.

CHANGES TO EXISTING STATIONS

CPs built, moving toward final licensing:

- 990 KTKT AZ Tucson – Applied for license to cover CP for U4 10000/490.
1380 WFNW CT Naugatuck – Granted program test authority to use CP for U4 3500/350.
1420 WAOC FL St. Augustine – Applied for license to cover CP for U1 2000/230.
1590 WPVL WI Platteville – Granted program test authority to use CP for U2 970/470 from new site.

Applications filed:

- 1590 WCGO IL Evanston – Applies for U2 10000/2500.

Amendments to previously filed applications:

- 1450 KVSL AZ Show Low – Application to move to 1470 kHz, now requests U1 5000/87.

SPECIAL TEMPORARY AUTHORITY

- 1040 WHBO FL Pinellas Park – Granted STA of U1 3600/105 from WWBA-820 site.
1470 KUTY CA Palmdale – Granted STA of U1 1250/1250; tower blown down by high winds.
1580 WJFK MD Morningside – Granted STA to operate nondirectional at 25% power or with parameters at variance during triplexing of WUST-1020 and WZHF-1390.

Applications to extend existing STAs were received from KEBR-1210 Rocklin CA (U1 from night site, power not stated but probably 1250/500); WEBY-1330 Milton FL (reduced power, unspecified); and WYRD-1330 Greenville SC (U3 500/500, night pattern 24 hours).

Previously reported applications to extend STAs were granted to WKAQ-580 San Juan PR; KTKK-630 Sandy UT; KKOH-780 Reno NV; WBRK-1340 Pittsfield MA; and WLXE-1600 Rockville MD.

SILENT STATIONS

Stations informing the FCC that they are silent:

- 1360 WHJC WV Matewan – Silent (again) 1/17; transmitter problems.
1550 WZRK WI Lake Geneva – Silent (again) 1/20; technical problems with antenna pattern and no money to fix it.

Formerly silent stations informing the FCC that they are no longer silent:

- 1210 WDGR GA Dahlonega – Silent since 1/21/2013, back on the air 1/21.
1290 WDZY VA Colonial Heights – Silent since 9/28/2013, back on the air 1/17.
1330 WGFT OH Campbell – Silent since 2/27/2013, back on the air 1/20.
1500 WASN OH Youngstown – Silent since 2/27/2013, back on the air 1/20.

Fines: WTOR-770 Youngstown NY fined \$10,000 for failure to maintain an effective locked fence around the antenna towers.

Canada: Another quiet week at the CRTC, no AM actions noted.

And here are the latest *AM Radio Log* updates from Wayne Heinen – send him your updates at amradiolog@nrcdxas.org.

- 630 CHED AB Edmonton – Networks to CP/Cor/B.

- 680 CJOB MB Winnipeg – Networks to CP/Cor/B.
 740 WVCH PA Chester – Add // W237EH-95.3.
 850 WTAR VA Norfolk – Format to NWS/TLK/SPT (ex-Comedy); no other details yet as station web site still shows Comedy.
 900 CHML ON Hamilton – Networks to CP/Cor/B.
 960 WDLM IL East Moline – Add // WDLM-FM-89.3.
 980 WFHG VA Bristol – Add // W222BW-92.3.
 CKNW BC New Westminster – Networks to CP/Cor/B.
 1160 WBYN PA Lehighton – Slogan to “1160 Alive.”
 1240 KGY WA Olympia – Add // K237FR-95.3.
 1290 KOUU ID Pocatello – Add // KOUU-102.9, drop // K275BL-102.9.
 WKBK NH Keene – Add // WKBK Group.
 1340 KTOX CA Needles – Add // K262CM-100.3.
 1360 WNJC NJ Washington Township – Add Group: // Lift FM at times.
 WOEN NY Olean – Add Group: // WEHH Group. (SF)
 1370 WGIV NC Pineville – Format to UC:AC (ex-UC:OLD/AC); add slogan and group: // Soul of Charlotte.
 1400 WMAN OH Mansfield – Add Group: // WMAN Group.
 1410 WELM NY Elmira – Network to Ns (ex-ESPN).
 1420 WBRD FL Palmetto – Add // W246CY-97.1.
 1460 WXBR MA Brockton – Format to TLK/Brokered (ex-NWS/TLK); network to IRN.
 CJOY ON Guelph – Network to CP/Cor.
 1470 WNYN NY Ithaca – Add // W249CD-97.7. (BD)
 1490 WRCE NY Watkins Glen – Slogan to “The Race.”
 WGCD SC Chester – Format to UC:AC (ex-UC:GOS/REL); add slogan and group: // Soul of Charlotte.
 1510 WLRB IL Macomb – Add // W279CR-103.7.
 1560 KLTI MO Macon – Add Group: // True Country.
 1570 WLKD WI Minocqua – Format to AC/OLD (ex-NWS/TLK); slogan “The Lake, nets to Wi.
 1580 WPJK SC Oranegburg – Slogan to “Joy Radio.”
 1590 WGGO NY Salamanca – Add Group // WEHH Group. (SF)
 WSRW OH Hillsboro – Slogan and Group: // Buckeye Country 105.5.
 1600 WEHH NY Elmira Heights-Horseheads – Slogan to “Your Kind of Music,” Group to // WEHH Group. (SF)
 WZZW WV Milton – Add network WW1 (Dennis Miller).



New Groups

- // Lift FM – WNJC-1360, WZFI-LP-98.5, W250AK-97.9, W277BA-103.3.
 // Pepe – WBLO-790, WGSP-FM-102.3, WXNC-1060, WGSP-1310.
 // WEHH Group – WEHH-1600, WOEN-1360, WGGO-1590, W230BB-93.9. (SF)
 // WKBK Group – WKBK-1290, W298BT-107.5, W281AU-104.1.
 // WMAN Group – WMAN-1400, WMAN-FM-98.3, W232CO-94.3.
 // Buckeye Country 105.5 – WCHO-FM-105.5, WSRW-1590, W268CC-101.5.
 // Soul of Charlotte – WGIV-1370, WGCD-1490, W282BP-104.3, W277CB-103.3.
 // True Country – KLTI-1560, K227BO-93.3, K274CE-102.7 K293BX-106.5.

Group Update

- // EZ-1240 – WEZR-1240, WKTQ-1450, WTME-780, W288CW-105.5.

The flip and flop of various formats and // stations in New York's Southern Tier is explained by Scott Fybush: “The stations are in a bankruptcy tug of war between Robert Pfuntner and what appears to be a long list of creditors battling it out in court. One of the things that happened in the bankruptcy was that ESPN stopped being paid, and so it disappeared from WABH and WEHH's sister WELM. I guess NBC Sports is cheaper or free.”

Talk Radio news from Canada (via milkmanunlimited.com): Corus Entertainment is pleased to announce the premiere of Canadians Talk ..., a live interactive series featuring debate, discussion and insight on timely issues that resonate with Canadians. The first show launches with Canadians Talk ... Leadership: Have our leaders lost our trust? and will be hosted by Vancouver's CKNW AM 980's Jon McComb. Airing on Corus Radio's news talk stations starting January 28, the series will broadcast across Canada on the following stations: CKNW-980 at 6 p.m. PT, CHQR-770 at 7 p.m. MT, CHED-630 at 7 p.m. MT, CJOB- 680 at 8 p.m. CT, CHML-900 at 9 p.m. ET, CFPL-980 at 9 p.m. ET, CFMJ-640 at 9 p.m. ET.

Wayne's thanks to Shawn Axelrod, Bill Hale, Bill Dvorak (BD) and Scott Fybush (SF).

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


- CB-QC** **Christian Breton, Quebec City** – Sony ICF-2010, Sangean 909-ATS, Sony ICF-SW7600GR, Quantum loop, 100 ft. longwire
BC-NH **Bruce Conti, Nashua** – Excalibur SDR, MWDX-5, variable termination SuperLoop antennas northeast and south.
TF-NH **Tony Fitzherbert, Campton** – Grundig S-450, Grundig AR-200 loop
BH-MA **Bob Hill, Littleton** – Sony ICF-2010 with Kiwa filters, AOR LA390 active loop
KK-VA **Kraig Krist, Manassas** – Winradio G33DDC SDR, Wellbrook ALA-1530S+ Imperium Loop.
LW-NY **Leslie Wood, East Meadow** – Grundig G8 Traveler II
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

UNID

- 1300 unID** -- - 1/13 0447 – Commercial for O'Reilly Auto Parts, "CBS Sports Radio" slogan. (LW-NY)

LOGGINGS

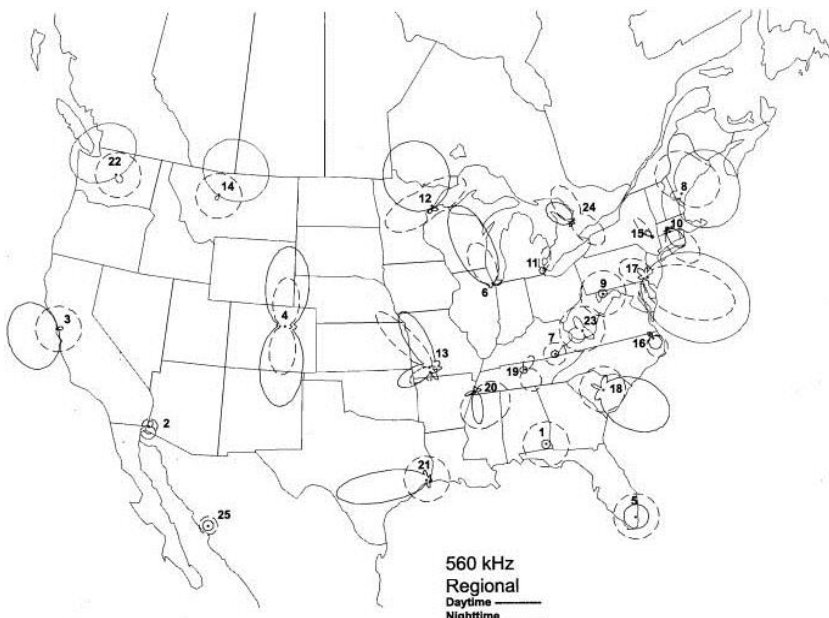
- 540 KWMT IA** **Fort Dodge** – 1/19 1750 – In multi-station mix (WFLF, WGOP, WETC, WAUK) with end of news, male "AM 5-40 KWMT" ID into C&W song. "Iowa's news, weather and AG authority, AM 5-40 KWMT" station promo at 1756. (KK-VA)
WETC NC **Wendell-Zebulon** – 1/19 1900 – In multi-station mix with SS singing and talk, Spanish/English "WETC Wendell... North Carolina" ToH ID. (KK-VA)
WAUK WI **Jackson** – 1/19 1845 – In multi-station mix, presumed with typical ESPN radio programming, ad for restaurant at "62nd and Lincoln" and promo for "Waukesha Boosters Club." (KK-VA)
550 WGR NY **Buffalo** – 1/23 2035 – Nice signal, alone on frequency, with invitation to download the WGR-550 app onto one's phone or tablet, "WGR Sports radio" ID, and promo for the Buffalo Sabres Radio Network, Sabres Talk on WGR-550 from 10:00 am to noon daily, on "Sportstalk-550, WGR Sportsradio," into Sabres play by play v. Carolina. (TF-NH)

560 WIND IL **Chicago** – 1/19 1730 – In CFOS/WFRB mix with religious talk, male mentions "Chicago radio," female with "Chicago news ... SRN news." (KK-VA)
WXBT SC **Columbia** – 1/19 1720 – In CFOS/WFRB mix with station promo: "Why play the game when you can be on the team? Sports radio 560 'The Team.'" (Dumb slogan. I guess they're saying "You're on the team, but you'll sit on the bench.") (KK-VA)
580 WCHS WV **Charleston** – 1/19 1706 – Un WHP/WKSK and UNID oldies mix with "West Virginia Outdoors" program, "all around the clock ... 24 hour radio. News 58 WCHS" station promo. (KK-VA)
590 WKZO MI **Kalamazoo** – 1/19 1705 – In CJCL mix with "WKZO Accuweather forecast." After weather, "Get Accuweather anytime at WKZO.com" website promo. (KK-VA)
CJCL ON **Toronto** – 1/19 1655 – In WKZO and UNIDs (singing, religion and football) mix with sports talk on "Grapevine," "Sports net 5-90 'The Fan'" slogan. (KK-VA)
600 WBOB FL **Jacksonville** – 1/23 1700 – Poor but momentarily alone on the frequency; "WBOB Jacksonville, online at wbobradio.com." (BC-NH)
720 WGCR NC **Pisgah Forest** – 1/23 1716 – Ending local funeral announcements for Brevard and Hendersonville; gave call-letter ID and into "Rock of Ages" on piano. Very poor with persistent cycle-fading that made further copy impossible; also getting competition from likely WHYF. (BH-MA)

- 730 CKDM MB **Dauphin** – 12/24 2313 – Heard mentions of Parkland and Manitoba, into “Little Drummer Boy” song in CKAC null. **(CB-QC)**
- 750 WPDJ WV **Clarksburg** – 1/17 1700 – Fair; promo/ID, “... favorites on WPDJ Clarksburg-Fairmont-Morgantown.” **(BC-NH)**
- 790 WBLO NC **Thomasville** – 1/23 1700 – Over/under WPRV; end of programa deportivo, canned ID for WGSP and WXNC, “... por internet en pepe charlotte punto com,” into Mexican music. New log. **(BC-NH)**
- 810 WPIN VA **Dublin** – 1/18 1700 – Over WGY; “WPIN Dublin-Blacksburg, Real Country, this is I-81 WPIN.” **(BC-NH)**
- 820 WWFD MD **Frederick** – 1/23 1627 – Long sweeps of rock music, weak signal, under WNYC. **(TF-NH)**
- WTNW TN **Jasper** – 1/23 1634 – Presumed with “Bye Bye Love” by the Everly Brothers and other country music selections atop WNYC and WWFD. No ID, gone in ten minutes, WTNW is now the only C&W format station listed in the NRC Log on 820, their 1000 watts straining mightily to reach New Hampshire. **(TF-NH)**
- WBAP TX **Fort Worth** – 1/23 2047 – Presumed with Mark Levin Show surfacing under WNYC and CHAM for about three minutes and then gone. Levin is WBAP’s evening drive offering. **(TF-NH)**
- WGGM VA **Chester** – 1/23 1620 – Gospel music, passionate sermon by African American preacher, lost by 1628 to WWFD. **(TF-NH)**
- CHAM ON **Hamilton** – 1/23 2050 – Under WNYC with Toronto Maple Leafs hockey v. Dallas Stars, Dallas ahead 2-1, promo for the Grammy Awards on CHAM. I thought that CHAM is now a comedy station. **(TF-NH)** *Yes, they are all-comedy, but also on the Leafs network. That Dallas game, Leafs on the short end of 7-1 final score, was quite a joke! Mike*
- 880 WPIP NC **Winston-Salem** – 1/18 1700 – Under WCBS; instrumental music, “WPIP ... North Carolina,” into weather, “... for WPIP.” New log. **(BC-NH)**
- 940 WMAC GA **Macon** – 1/23 2104 – Very weak ID for “WMAC News Talk,” talk show, probably local as I did not recognize the host, soon gone. **(TF-NH)**
- 990 WDCX NY **Rochester** – 1/10 1610 – ID for six stations, “serving New York State and Southern Ontario,” including three stations in Buffalo, WDCX in Rochester, a station on 99.5 FM, and WDCD-1540, Albany, Christian talk, and ad for Joseph Zaylaw, Attorney at Law, whose staff of twelve attorneys specializes in automobile collisions, WDCX is regularly heard here but the six station ID is interesting as 1540 in Albany now simulcasts the other stations. **(TF-NH)**
- 1000 WLNL NY **Horseheads** – 1/9 0829 – Under ESPN Radio Chicago, “You’re listening to WLNL” ID heard very easily. **(CB-QC)**
- 1060 WILB OH **Canton** – 1/18 1700 – Fair; “This is Bishop Richard Lennon of the diocese of Cleveland, thanks for listening to Living Bread Radio AM 1060 WILB Canton, Catholic radio” **(BC-NH)**
- 1070 WFNI IN **Indianapolis** – 1/15 1658 – “WFNI 1070 Indianapolis” ID into sports talk/discussion of NFL playoffs on “The Fan 1070.” **(LW-NY)**
- CHOK ON **Sarnia** – 1/7 1716 – In with stock market report. Mention of “Blackburn-News-dot-com on CHOK 1070 and CHOK 103.9 FM.” **(LW-NY)**
- 1150 WHBY WI **Kimberly** – 1/13 0756 – Local WHBY weather battling with a song from Barry White (presumably CKOC’s oldies). **(CB-QC)**
- 1180 WVLZ TN **Knoxville** – 1/23 1700 – Fair; “Tennessee Sports Radio ... WVLZ Knoxville.” New log. **(BC-NH)**
- 1240 WGVA NY **Geneva** – 1/24 1805 – Over usual graveyard jumble with “when news breaks it breaks on 1240 AM and 96.1 FM WGVA” into local news with many mentions of the Finger Lakes. **(MKB-ON)**
- 1260 WWRC DC **Washington** – 1/10 1552 – Traffic in DC “on 1260 WRC,” local weather “on 1260 WRC.” Weak signal, gone under WMKI. **(TF-NH)**
- 1360 WNJC NJ **Washington Township** – 1/22 1803 – Out of gospel song with canned echo ID: “AM 1360 Washington Township-Philadelphia, Philadelphia’s Renaissance Radio Station broadcasting online at wnjc1360.com, a service of Forsythe Broadcasting.” Into call-in show about animals. **(BH-MA)**
- 1400 WLLH MA **Lowell** – 1/14 1610 – Spanish with very animated announcer either preaching or pontification, atop for five minutes until lost to Howie Carr on WGIN. **(TF-NH)**
- 1420 WLNA NY **Peekskill** – 1/23 1700 – Fair; “1260 WBNR Beacon, 1420 WLNA Peekskill, Hudson Valley Talk Radio,” and NBC news. **(BC-NH)**

- 1430 WKOX MA Everett – 1/14 1640 – Signal at almost local strength with Spanish music, male and female announcers, "Mia 1430" slogan, ToH ID at 1700 as "WKOX Everett-Boston" in both EE and SS, comments about I-Heart Radio, perhaps forgot to go to night pattern which is southeast over Boston. (TF-NH)
- 1450 WYNY PA Milford – 1/14 1620 – Clusters of oldies, finally an ID for "-?- and 106.9" (WYNY simulcasts on 106.9 FM), and back to more oldies. (TF-NH)
- WSNO VT Barre – 1/14 1618 – Sean Hannity Show, atop for a couple of minutes before receding into the mess, under WYNY. (TF-NH)
- 1460 WVOX NY New Rochelle – 1/23 1700 – Good; "We have ways of making you talk, AM 1460 WVOX New Rochelle, and worldwide at wvox.com, it's 5 o'clock," and Fox Report. (BC-NH)
- 1480 WLEA NY Hornell – 1/21 1628 – Rock oldies, weak WLEA ID by male announcer, more rock oldies, under WSAR, WCFR and others. (TF-NH)
- 1570 WBGX IL Harvey – 1/18 0800 – Over graveyard-like multi-station jumble with "AM 1570 WBGX Harvey-Chicago" ToH ID into high-octane black gospel huckster. (MKB-ON)
- 1580 WJFK MD Morningside – 1/23 1700 – Fair; "WJFK AM Morningside, WJFK HD2 Manassas, WPGC HD3 Morningside, this is CBS Sports Radio 1580." (BC-NH)
- CKDO ON Oshawa – 1/13 0426 – Fair signal with Jimmy Osborne Show. Trivia questions posed to listening audience. Ad for Oslo Law Firm, then into oldies song. (LW-NY)
- 1590 WGGO NY Salamanca – 1/24 2156 – Oldies including "The Door is Still Open to My Heart," another and at 2200 ID: "This is where all of the good songs have gone, WEHH Elmira Heights-Horseheads, WOEN Olean, and WGGO Salamanca," and into CBS News, good signal over and under WARV. WGGO's night signal is listed at only 14 watts. (TF-NH)
- WARV RI Warwick – 1/22 1759 – Fighting off usual pest WAKR-Akron with "... on Life-Changing Radio 1590 WARV" ID by woman, into presumably SRN news. QSLed on CPC test in 1991. (MKB-ON)
- 1600 WWRL NY New York – 1/21 1625 – Atop frequency with yelling Spanish DJ, lots of mentions of New York. (TF-NH) *Note recent format flip to SS, ex-liberal talk. Mike*
- WHOL PA Allentown – 1/18 0601 – Briefly atop; "... mil seiscientos AM, WHOL Allentown." New log. (BC-NH)
- 1640 WKSH WI Sussex – 1/24 0500 – Fair; repeating "WKSH Sussex" and movie musical soundtrack loop. (BC-NH)

NRC Antenna Pattern Book, 7th Edition

The 7th Edition of the *NRC Antenna Pattern Book* is now available. This all new edition prepared by NRC'er Paul Swearingen is an all-inclusive book of patterns for both Day and Night operation of stations in the USA, Canada and selected foreign stations. The data for the book comes from the 34th Edition of the *AM Radio Log* and NRC'er John Callerman's comprehensive Mexican station listing.



The book comes shrink wrapped in 8½ by 11 three hole punch format for placement in your own three ring binder. There are 240 pages and the book has maps covering 530 through 1700 kHz depicting the lower USA, Canada and Mexico. Hawaii and Alaska are shown on separate maps at the of the book.

Price/ordering info: Same as for *AM Radio Log*, see page 1 for details.

Follow @NRCDXNews on Twitter!

Twitter can be used to disseminate hot MW DX tips to the DX community
 To read tips: go to www.twitter.com and search for #mwdx
 To send tips, write a tweet (140 characters max) and include the tag #mwdx

Don't forget the NRC Facebook page: <https://www.facebook.com/groups/509246815818550/>

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

- BD-WI** Bill Dvorak, Madison, WI. Drake R8B, Double Kaz antenna bearing 100 degrees.
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 complete reports, with extensive commentary, are originally published in *DX Listening Digest*.
JR-OK John Reed, Shawnee, OK. JRC NRD-525 with Pühler roofing filter, antennas: homebrew tuned loop, Clifton Labs active whip.
JN-TX James Niven, Cedar Creek, TX. Drake R8 with 150 foot longwire.
RS-UT Ron Schiller, W7SGU St George, UT. Kia car radio, Grundig S-350.
SMA-MB Shawn M. Axelrod, VE4DX1SMA, VEPC4SWL, Winnipeg MB. Icom ICR-70/Drake R8, 3 foot unamplified 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.

STATION NEWS

- 1170 KFAQ OK Tulsa – 1/22 0923, 1120 – IBOC is back on from 1170 KFAQ Tulsa. I feared the clear up would not last. (GH-OK)

DX LOGS

- 560 KWTO MO Springfield – 1/15 1650 – Daytime DX, talk about gun ownership and Second Amendment rights. (JR-OK)
 590 KLBJ TX Austin – 1/15 1645 – Daytime DX, Austin ads, IDing as News Radio KLBJ. (JR-OK)
 630 KSLR TX San Antonio – 12/21 1755 – Daytime DX under IBOC hash with religious talk. (JR-OK)
 930 WTAD IL Quincy – 1/20 0104 – Easily heard, dominating the Indomitable WKY when nulled, Fox news, 0105 PSA for a Hannibal MO library with 573-area code, ID from WTAD Quincy IL, into C2CAM. I've heard it before, but this is unusual. Could it be on ND 5 kW day pattern? I was also hearing it last April with same suspicions. FCC AM Query shows WTAD 1 kW night pattern of double-figure 8, i.e. four lobes roughly to N/E/S/W and extremely deep nulls between them, such as 230 degrees to the southwest, close to Enidward. Enid is 238 degrees from Quincy, at 686 km distance. The 230 null is exactly toward WKY's coordinates. And WTAD also has a CP, why? Hard to make out any difference [in the proposed pattern]. (GH-OK) CP is for coordinate correction only – DY.
- 1090 KAAV AR Little Rock – 12/25 2205 – Brother Stair with usual end time prophecies over/under IBOC hash (JR-OK)
 1150 KCCT TX Corpus Christi – 1/23 1741 – In well with classic country. Heard brief ID as "K-C-C-T" after musical item then dipped under KZNE with sports talk. Relog here, have not heard too often here! (JN-TX)
 1200 KPSF CA Cathedral City – 1/18 0925-0930 – Atop with spill from local on 1210 ... local ads with frequent mentions of "The Valley," which is also listed on their website (Coachella Valley, I believe). Biz news format. Fairly recent newcomer. (RS-UT)
 1270 KTUZ OK Claremore – 1/21 1455 – I am checking out the Claremore/Tulsa station which AM Switch reported changed call from KRVT to KTUZ; also IRCA DX Monitor which added "was Regional Mexican, now new unknown format." Us Okies know that KTUZ is already the call of a Spanish FM station in OKC, La Zeta, 106.7, plus TV on RF 29 which carries both archrivals Telemundo and Univisión. Could there be some connexion? Yes! Even on the car radio, 1270 is quite weak here, so after finding that it is indeed // 106.7 which has a semi-local signal, I continue listening there for ToH ID. (Haven't yet checked on two radios for a delay.) After some dead air, at 2000 UT, SHVA exclaims joint ID for both FM on 106.7 and AM Claremore-Tulsa on 1270, stations of Tyler Media. Tyler is pronounced as in English, Media as in Spanish. So now yet



another Tulsa AM station becomes a mere satellite of an OKC station (after 1570 relaying 890, also Tyler). As for format, it still sounds "regional Mexican" to me, if that means norteña music where most of the immigrants around here come from, besides Guatemala. **(GH-OK)**

- 1280 CFMB QC Montreal** – 1/15 1853 – Good with only light QRM from WGBF, with SS program "Onda Latina" featuring news and music and an ID in FF at 1853. Despite its 50 kW power this station is extremely rare here, due in large part to its direct north night pattern.. In fact, I hadn't logged a 1280 Montreal station since the days of CJMS, which went off the air in 1994. Over the next few days I have heard CFMB at varying strengths, suggesting that their pattern is out of alignment or they are operating on day pattern. I have also seen reports of other DXers over a wide area hearing this station. **(BD-WI)**
- 1460 KXNO IA Des Moines** – 12/28 2200 – Saturday night football with sports talk and call ID. **(JR-OK)**
- 1470 WNYN NY Ithaca** – 1/18 1659 – Poor to fair with very light QRM from WMBD, with a weather forecast, legal ID and "Progressive Talk Radio 1470 AM and 97.7 FM" slogan (FM is W249CD Ithaca) into ABC news at ToH. NEW! **(BD-WI)**
- 1480 KLVL TX Pasadena** – 12/12 2219 – Mideast or Indian music. **(JR-OK)**
- 1640 WKSH WI Sussex** – 1/23 2010 – Big open carrier fighting with KZLS. Then out of no place a full legal ID. Must be testing or just keeping their license going. Conditions have been poor here but you never know when something good will pop up. **(SA-MB)**
- 1650 KCNZ IA Cedar Falls** – 12/18 2216 – Sports with Iowa ads under SS station. **(JR-OK)**
- 1660 KQWB ND West Fargo** – 12/18 2200 – Playing oldies under KUDL, Kansas City. **(JR-OK)**
- 1700 KKLf TX Richardson** – 1/22 0931-0935+ – Open carrier/dead air atop weak Fox Sports station, making about 7 Hz SAH. OCDA station must be KKLf Richardson TX, the comedy station muted, and KVNS Brownsville the Fox Sports. **(GH-OK)**

UNID

- 530 UNID TX** 1/21 1640 – Very weak TIS with public service announcements from the central Texas area. **(JR-OK)**

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

International DX Digest

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

Trans-Atlantic DX

- 162 **FRANCE** *France Inter*, Allouis JAN 18 0536 - Standard log; man and woman talking in French - mostly woman. [Frodge-MI]
- 171 **MOROCCO** *R.Mediterranee Internationale*, Nador JAN 18 0308 - Arabic chanting, fair peaks; parallel 9575 with heavy splash interference from 9570 kHz. [Frodge-MI]
- 183 **GERMANY** *Europe 1*, Felsberg JAN 18 0312 - Group discussion in French with much laughter and many mentions of "la mer" or "la mere". Fair+. [Frodge-MI]
- 189 **ICELAND** *Ríkisútvarpid*, Gufuskálar JAN 17 2333 - Man in Nordic language with pop tunes. Poor, LSB helps. [Frodge-MI]
- 198 **UNITED KINGDOM** *BBC Radio 4*, Droitwich et al. JAN 17 2337 - Man and woman with English news features. Fair. [Frodge-MI]
- 1512 **SAUDI ARABIA** *BSKSA* Jeddah JAN 24 0225 - Good signal with weak modulation; measured 1511.991/2 kHz as listed in online mwoffsets data. Also observed 1511.930 Greece, confirmed by Wolfgang Bueschel and Mauno Ritola as drifting lower than listed 1511.935 offset. [Conti-NH]
- 1521 **SAUDI ARABIA** *BSKSA* Duba JAN 24 0215 - Excellent, s9+20; Koranic recitations. [Conti-NH]

Hauser transatlantic carrier search: JAN 18 0113 - Provoked, once I hear the Saudi 1521 het upon much closer 1520 KOKC, in next few minutes, carriers also audible on 1503, 1422, 1296, 1215, 1152, 1125, 1053, 1044, 909, 891, 882, 684, 666 kHz. Strongest was 1215, presumably UK as some of the others too.

Hauser transpacific carrier search: JAN 21 1335 - JBA on 594, 693, 747, 828, all likely NHK altho no 774 at the moment. Today's Enid sunrise 1340 UTC.

Pan-American DX

- 660 **CUBA** *R.Progreso*, Jovellanos JAN 24 1000 - Under WFAN; chime, 'A Primera Hora' intro and theme song, parallel 640 and 690 kHz. [Conti-NH]
- 939.877 **MEXICO** XEQ México, DF JAN 24 1100 - Het against WMAC; measured 939.877 kHz. [Conti-NH]
- 1620 **CUBA** *R.Bayamo*, Bayamo JAN 24 1100 - Under *R.Rebelde*; doorbells followed by six chimes marking 6 a.m. [Conti-NH]
- 1700 **MEXICO** XEPE Tecate, BCN JAN 13 0659 - Mexican national anthem, choral version, 0700 English ID as "ESPN Radio 1700." How come they are playing anthem at 11 p.m. local instead of midnite? Answer: May have been just after mandatory (even for border stations in English?) 'La Hora Nacional del Gobierno Mexicano', UTC Mondays, which in Central zones is at 10 p.m. local, delayed here? It's customary to play national anthem after it at 11 p.m. local on Sundays. Also, 0600 UTC should be a good time to DX 1650 XEARZ, reported by numerous Arctic Radio Clubbers with national anthem then, really local midnite. I have yet to hear it and I've seen hardly any other reports of it from inside North America. [Hauser-OK]



Contributors

Bruce Conti WPC1CAT, Nashua NH; WiNRADiO Excalibur, MWDX-5 phasing unit, 15 x 23-m variable termination SuperLoop antennas 60° northeast and 180° south.
Harold Frodge, MARE DXpedition, Brighton MI; Drake R8B, 500-ft unterminated dog-leg east-north Beverage, 85-ft TTFD.
Glenn Hauser, Enid OK; DX-398 with internal antenna.

73 and Good DX!

Musings of the Members

Dave Schmidt NRCMusings@aol.com
55 N. Main Street
Shrewsbury, PA 17361

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.

Karl D. Forth, Chicago IL koolmotor@comcast.net

Top 40 radio on AM lives on. The internet is full of sound checks, station histories, photographs, digital survey charts and heartfelt memoirs about someone's favorite AM station.

A new venture, wflchicago.com, (hylitradio.com/WCFL_Page.html) allows you to hear WCFL again. This is fairly new, starting in December. I first read about in a Chicago Sun-Times article titled "Cyber 'CFL'."

It's interesting that AM radio's Top 40 heyday in the 1960s and 1970s intersects with the internet. Most of us who remember that time fondly are still young enough to be at least a little web savvy. You don't see too many sites about the big band era.

Those days were also brought back recently with the death of longtime announcer Larry Lujack, who was a DJ here from 1967 to 1987. I remember him mostly on WLS in the afternoons (he was on WCFL, too). One warm summer afternoon in 1970 he played "Ain't No Mountain High Enough" by Diana Ross, twice in a row. That's something I've never heard again.

Another famous voice from that era, Dick Biondi, can still be heard on the radio on WLS-FM 94.7. He had held down the evening slot for a number of years, but now has the late shift. The 81-year-old Biondi was on Chicago's WLS in 1960!

Also, I received a few inquiries about Milt Rosenberg's program, Extension 720, that ran evenings on WGN-720 for almost 40 years. It aired for the last time 12/20/12 with a retrospective show. WGN had announced the ending of the long-running program only three days earlier. The last show featured Salman Rushdie, Howard Cosell, Henry Kissinger and Mike Royko, It was a very low-key ending to a four-decade show. To update, you can continue to hear these long-form interviews in the form of podcasts by going to <http://miltrosenberg.com/>.

Happy listening, no matter what your medium of choice.

DX Tool Box

Shawn Axelrod amandx@mymts.net
 30 Becontree Bay
 Winnipeg, MB R2N 2X9 CANADA

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 57.

This Month's Radio Saying: DX'ers get a better reception.

Bits and Bites from the NRC listserv:

From: John johncallarman@msn.com

Subject: Radio Returned – An unexpected Christmas surprise.

A quarter century ago, I loaned my HQ-180 to a nephew who was preparing for a summer architectural dig in France, to help him learn French from SWBC. Saturday, he returned it to me. It was a gift. I never asked for it back. John Callarman, KA9SPA.

From: Saul Chernos sauldx@sympatico.ca

Subject: Re: Radio Returned – An unexpected Christmas surprise.

In my very early days of DX'ing, when I was maybe 14 or so, I loaned a small portable radio to a middle-aged neighbour who was also a good family friend, who was ill. I didn't know she was dying of cancer. She died a few months later, and of course I never asked for its return. Sometimes loans really are gifts, John, and yours maybe qualifies. Saul Burnt River ON.

From: Patrick Martin mwdxer@webtv.net

Subject: Big Changes Coming to Popular Communications Magazine and CQ Magazine.

Sad to hear this, but it was unexpected as everything now is online. First MT and now Pop Com. I guess the days of picking up the latest mag's on the newsstand are pretty much over. Patrick Martin Seaside OR.

Forwarded from walkerbroadcasting@gmail.com: CQ has announced it is combining Popular Communications, World Radio, and CQ VHF into a single digital publication to be called CQ Plus starting in February. The print editions of PopComm and CQ VHF will be phased out and World Radio will disappear totally. At least this explains the huge mystery of what is going on at CQ (as we discussed at the holiday party). I guess CQ was spread too thin with too many digital publications to manage. Maybe this will work but I think, if I understand it, there will now be just one digital subscription to CQ Magazine which will include CQ Plus and maybe a print edition of CQ without Digital Plus. Bruce will you be staying on as a columnist for CQ Plus? I certainly hope so as it would be a huge loss if your column were to disappear.

For more: <http://www.arrl.org/news/cq-to-realign-publications-launch-digital-supplement>.

From: Allan Dunn, K1UCY always_faithful@comcast.net

Subject: CQ, Pop'Comm, CQ VHF & WRO Digital Sub Changes.

This update just arrived from CQ. Basically it no longer references what happens to paper subscribers to the now defunct magazines. Previously it said we would get paper editions of CQ plus the digital version of CQ which would have a link to CQ Plus which is digital. There is no change to previous digital subscribers that I can see, but all references to paper subscribers has been omitted. If I am erring here, post your differences. I may have missed something. Allan:

Effective with the February 2014 issue of CQ, content from the magazine's three sister publications, Popular Communications, CQ VHF and WorldRadio Online, will be incorporated into CQ's digital edition as a supplement to be called "CQ Plus." With this change, hobby radio enthusiasts of all types will be able to go to a single source - CQ - for articles on the broader aspects of hobby radio, from shortwave listening and scanner monitoring to personal two-way services and internet radio, as well as amateur radio. Richard Fisher, KI6SN, currently Editor of both Popular Communications and WorldRadio Online, will be Editor of CQ Plus.

CQ's primary audiences ham radio operators, but very few hams began their radio involvement as amateurs. Most started out as shortwave listeners, broadcast band DX'ers, CB'ers or scanning enthusiasts. Many continue to be involved in many different aspects of the radio hobby in addition to amateur radio. By consolidating four specialized publications into one, we will be better able to keep these multidimensional readers informed on all aspects of the radio hobby while simultaneously exposing those who are not hams to all the excitement and opportunities that amateur radio has to offer. We see this as a win-win for all of our readers!

The expanded material will be an integral part of the digital edition of CQ, and will be included as part of a standard digital subscription. Each month's digital edition will simply continue beyond where the print edition ends, offering supplemental material on all aspects of hobby radio communication and will include selected columns carried over from the other magazines.

What happens to my Popular Communications, WorldRadio Online or CQ VHF digital edition subscription? The last issue of Popular Communications is the December 2013 issue. Current Popular Communications digital edition subscriptions will be converted to CQ Amateur Radio digital edition subscriptions (which will include CQ Plus), on an issue-for-issue basis. The first issue of CQ Amateur Radio they will receive is January 2014. The last issue of CQ VHF is the Fall 2013 issue. Current CQ VHF digital edition subscriptions will be converted to /CQ Amateur Radio digital edition subscriptions (which will include CQ Plus), on an issue-for-issue basis. The first issue of CQ Amateur Radio/ they will receive is January 2014. The last issue of WorldRadio Online will be January 2014. WorldRadio Online subscriptions will then be converted to /CQ Amateur Radio magazine (which includes CQ Plus) subscriptions on an issue-for-issue basis. Their first issue they will receive is February 2014. Popular Communications, CQ VHF and WorldRadio Online/ subscribers with digital subscriptions to two or more of these titles, as well as those who already have a CQ digital edition subscriptions, will have their subscription's expiration date extended accordingly - getting full credit for all issues owed.

After viewing CQ's February issue - which includes the new CQ Plus supplement, we're sure you'll agree it's the best, all-around hobby radio magazine available today! There's no need to wait to see the great variety of articles that will be featured each month in the new CQ and CQ Plus.

Go to <http://www.cq-amateur-radio.com/> to preview the February issue's, two-page, Table of Contents!

From: Les Rayburn les@highnoonfilm.com

Subject: Free Downloads of Popular Communications Final Issues.

Popular Communications is providing their readers will free PDF downloads of the last two issues (November and December 2013) on their website. You don't have to be a subscriber in order to take advantage of the offer. Simply visit their web site, and click on the cover of either issue to download. Nice gesture on their part. <http://www.popular-communications.com/> 73, Les Rayburn, N1LF.

From: Barry McLarnon bm@topazdesigns.com

Subject: Radio's Digital Dilemma.

Someone recently brought to my attention this new book about the trials and tribulations of attempting to transition radio broadcasting to digital. Most of the book deals with IBOC in the US, but DAB in other parts of the world is also included: <http://www.amazon.com/Radios-Digital-Dilemma-Broadcasting-Twenty-First/dp/0415656125>. Considering the hefty price tag, I won't be springing for a copy. However, after searching a bit, I discovered that the book's contents are much the same as the author's 2011 PhD thesis, and you can download it here: https://www.ideals.illinois.edu/bitstream/handle/2142/26240/Anderson_John.pdf?sequence=1. It makes for some fascinating reading, and if you're interested in learning more about how IBOC was foisted on an unsuspecting public, and where it may go from here, I encourage you to take a look. You'll probably notice quite a few familiar names mentioned Barry McLarnon Ottawa, ON.

This Month's DX Tool Box Web Site:

http://www.dxing.info/articles/identifying_Chinese_radio_stations.dx

New Year, time to learn a new DX skill – how about a small dose of Chinese? Here's your comprehensive guide to making sense of Chinese station identifications. (Thanks to Håkan Sundman, Helsinki, and David Yocis who both sent in this link.

Next Month: Next time around I will be doing a review of the new electronic magazine *The Spectrum Monitor*. This is the new incarnation something like what *Monitoring Times* was before it ceased publication. The new publication started out with this explanation: "Welcome to *The Spectrum Monitor*! We live in a period of great transition, from time-tested analog technology to an ethereal, digital world. Anyone reading this publication understands this. The whole premise of this magazine is that the future of publishing and radio technology lies in this digital realm. Yet, there remains a coexistence between the analog and digital in both industries, a condition which is likely to last for some time. So, welcome to the future of both."

I have a copy of it and will give you my thoughts. If you have seen it and want your thoughts included send them along to me.

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>; Mark Durenberger <Mark4@durenberger.com>; 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 on the World Wide Web: The NRC web site is www.nrcdxas.org (Kraig Krist, webmaster); e-DXN is at www.e-dxn.com (Paul Swearingen, coordinator).

National Radio Club members may choose to receive our print publication (DX News), our audio program (DX Audio Service), e-DXN (including online access to both DX News and the DX Audio Service), or any combination of these.

• **DX News – David Yocis, Publisher/Editor** <NRCDXNews@gmail.com> – 1245 Thirteenth St. NW, #105 – Washington DC 20005; 202-415-3011 [leave voice mail]. (Send only material for publication in DX News.)

Subscriptions and Renewals to DX News: Yearly subscription (30 issues, weekly in DX season): To a U.S. Address: US\$45.00; to a Canadian Address: US\$55.00; to all other countries: US\$70.00.

• **DX Audio Service – Fred Vobbe, Publisher/Producer** – 706 Mackenzie Drive – Lima, OH 45805-1835. 419-228-6223 <fvobbe@realoldiesradio.com> (\$30.00 for subscriptions; DXAS address changes).

Subscriptions and Renewals to DX Audio Service: yearly subscription (twelve audio CDs, mailed on or about the 20th of each month) (send new and renewal subscriptions to Fred Vobbe): One-year First-Class Mail subscription to DX Audio Service to USA, Canada addresses: US\$30.00; all other addresses: US\$40.00.)

Subscriptions and Renewals to e-DXN: Annual registration: \$5.00 for subscribers to DXN or DXAS; \$15.00 for an e-DXN-only membership. Access the e-DXN web site <www.e-dxn.com> and follow the links.

National Radio Club

P.O. Box 473251

Aurora, CO 80047 – 3251

Send all payments to NRC Headquarters at:

National Radio Club

PO Box 473251

Aurora, CO 80047-3251

<sales@nrcdxas.org>

Please send all of the following to NRC Headquarters in Aurora:

• **New subscriptions and renewals** for DX News, the DX Audio Service, and e-DXN.com.

• **Subscription or delivery problems** for DX News or DXAS.

• **Changes of address** for DX News.

• **All NRC Publications** orders.

For multiple items, there's no need to send 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 money order 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