

DX News

Serving DXers since 1933



Volume 71, No. 5 - November 3, 2003 (ISSN 0737-1659)

Inside ...

2 .. AM Switch
4 .. DDXD
11 .. IDXD

13 .. DX'er's Notebook
16 .. Professional Sports Networks
18 .. GYDXA
22 .. George W. Armstrong
23 .. Musings of the Members

CPC Test Calendar
WJNT MS 1180 Nov. 1 0100-0200

WJNT-1180 - Pearl, MS (1985 Lakeland Drive #212 - Jackson, MS 39216-5024) was to have conducted a DX test on Saturday, November 1, from 1-2 am EST. Information provided by Lynn Hollerman, IRCA.

From the Publisher ... Yes, we know that 90% of all DXN subscribers will not have found out about the above test in time to tune in. But obviously we have no control over the actions of station personnel who have no clue about deadlines for printed magazines, and Lynn posts test info as soon as she find out about them on the NRC listserv and others ... just another good reason to join the NRC listserv (and it's FREE, too!).

A reminder for anyone planning to move: once you file an address change with the USPS, it's too late to avoid costing the NRC 70¢ for the required update from the USPS. Please send along your new address ASAP (along with the effective date).

Radio Plus+ ... from Gerry Thomas: "Please note that our website address has at least temporarily changed from dx-tools.com to dxtools.com (i.e., no hyphen). This change was due to the fact that Radio Plus+ was, like 40,000 other websites, scammed by webhost Featureprice.com. Featureprice went out of business in the summer of 2003, leaving us without a host and without a means of transferring our domain names to another host. We apologize to all those DXers who have tried to reach dx-tools.com in the past few months." Gerry's new email address is <<radioplus@bellsouth.net>>.

Annual Lower Deck Thanksgiving GTG ... From Ray and Arlene Arruda: "It will be Saturday

November 22, 2003 starting at noon at 47 Burt Street in Acushnet. Anyone needing directions can write, call, or e mail me <<kb1evx@earthlink.net>>."

Welcome to this new NRC member ... Patrick Rady: Ann Arbor, MI.

DXN Publishing Schedule, Volume 71

Iss.	Deadline	Pub. Date	Iss.	Deadline	Pub. Date
6.	Oct. 31	Nov 10	19.	Feb. 6	Feb. 16
7.	Nov 7	Nov. 17	20.	Feb. 13	Feb. 23
8.	Nov. 14	Nov. 24	21.	Feb. 20	Mar. 1
9.	Nov 21	Dec. 1	22.	Feb. 27	Mar. 8
10.	Nov. 28	Dec. 8	23.	Mar. 12	Mar. 19
11.	Dec. 5	Dec. 15	24.	April 2	April 12
12.	Dec. 12	Dec. 22	25.	April 16	April 26
13.	Dec. 26	Jan. 5	26.	May 7	May 17
14.	Jan. 2	Jan. 12	27.	June 4	June 14
15.	Jan 9	Jan. 19	28.	July 2	July 12
16.	Jan. 16	Jan. 26	29.	Aug. 6	Aug. 16
17.	Jan. 23	Feb. 2	30.	Sept. 10	Sept. 20
18.	Jan. 30	Feb. 9			

DX Time Machine

From the pages of DX News:

50 years ago ... from the October 31, 1953 DXN: Phil Potter of WHYL-960, Carlisle, PA, a new NRC member, praised the excellence of all reception reports from our members, finding them to be "complete and courteous, with enclosed postage"; DX reports were answered "shortly after receipt".

25 years ago ... from the November 6, 1978 DXN: Leading Norm Maguire's IDXA column in South Americans received were Roger Anderson, VA, and Hank Wilkinson, CA, both with 78; followed by Don Reynolds, CA: 73; Andy Rugg, Quebec: 48, and Ben Dangerfield, PA, 44

10 years ago ... from the November 1, 1993 DXN: R. Vision Cristiana-535 was being widely reported, from as far west as Colorado ... Wayne Heinen and Jerry Starr compiled a list of stations proposing to move to the expanded band. Few made the final list approved by the FCC, later.

Promote the NRC and DX News and help us grow!

Planning to attend a DX or hobby gathering? Why not include DX News in your plans? Upon request, we'll send you a packet of up to 50 recent DXN's to be given free to attendees. Just send a postcard to NRC - P. O. Box 5711 - Topeka, KS 66605, or e-mail <<pls@nrcdxas.org>>. Packets are sent by Media Mail rate, so please allow 10-15 days for delivery. Help keep the NRC on the grow!

AM Switch

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North Richland Hills, TX 76180-5552

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

CALL LETTER CHANGES

	Old call	New call
1120	WSMO NC	Camp Lejeune WSME
1200	WVIV IL	Chicago WRTO
		Along with change to Spanish talk format moved from WIND-560. Slogan is "La Tremenda". WIND is now Spanish AC as "Radio Éxitos".
1350	KBBL AR	Cabot KZTD and changes to a Spanish format
1570	WBEE IL	Harvey WBGX
1590	KATJ CA	Victorville KRSX
1590	WOKX NC	High Point WYSR



GRANTS TO EXISTING FACILITIES

630	WDGY WI	Hudson	Granted U4 1000/2500 from the combined site of WMIN-740/WCTS-1030. WMIN, in turn, has applied to move its site to that vacated site of WDGY.
860	CKSB-1 MB	Ste-Rose-du-Lac	The CRTC has authorized CKSB to replace this 40 Watt booster with an FM facility will be on 92.9 MHz with 5420 Watts.
1110	KAOI HI	Kihei	Will remain U1 5000/5000, but from a shorter tower at a new location: N20-49-21 W156-27-15.
1170	WPLX TN	Germantown	Granted night service, making them U4 10000/9.
1220	WIBQ FL	Sarasota	Granted U5 5000/13 from a new site co-located with WLSS-930.
1430	KCOH TX	Houston	This grant covers: change one of their towers to be top-loaded; adjustment to the night pattern; and new facilities will be U4 5000/1000. A quick turnaround for the FCC!
1620	WDND IN	South Bend	Remains U1 10000/1000, but transmitter site moves to that of WNDV-1490.

CPs ON THE AIR

1340	KLOO OR	Corvallis	Still U1 1000/1000, but from a new 195' tower at a new location: N44-35-48 W123-13-30.
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ENGINEERING AMENDMENTS TO CONSTRUCTION PERMITS SUBMITTED

670	WRJR VA	Claremont	Has a CP to add 200 Watts at night from a second site, but this amendment changes that application to THREE Watts at the original day site. Would be U5 20000/3.
1150	KQQQ WA	Pullman	Wishes to amend their CP for U2 25000/21 at a new location to U1 11000/27 at the existing site.
1160	WMLB GA	East Point	BP-20031014ADZ [LIC U5 10000/16 APP U7 50000/290 CH 50000 CP
1190	KPHN MO	Kansas City	Current CP is for U2 5000/250, but this change asks for U12 5000/500 CH 5000
1190	WIXE NC	Monroe	Has a CP for D1 2500/0 CH 2000; this request would bump them up to U1 5000/0 CH 2000.
1230	WAKI TN	McMinnville	Seems they looked at their CP and discovered they had the day and night powers reversed! The new CP reads U1 1000/620.

APPLICATIONS FROM EXISTING FACILITIES

770	KAAM TX	Garland	An amendment to an application turned down by FCC would adjust the nighttime pattern a few degrees. If granted, they will be U4 10000/1200.
1080	KNDK ND	Langdon	Wants to add nighttime operation becoming U1 1000/45.
1160	WMLB GA	East Point	They want to add Critical Hours operation to become U11 50000/160 CH 50000.
1240	KWIK ID	Pocatello	Requests U1 960/250
1240	KEJO OR	Corvallis	Would remain U1 1000/1000, but from a new, shorter at a new site.

1370	WLTC NC	Gastonia	Licensed for U1 12000/30, they want to increase the day power to 20000 Watts.
1400	KLCK WA	Goldendale	Seeks to lower nighttime power to become U1 1000/250
1410	KDBS LA	Alexandria	Applies for lower nighttime power to be U1 1000/30
1440	KVON CA	Napa	This request is to increase their nighttime power a whole 10 Watts, so they would be U4 5000/1010!
1510	KCUV CO	Littleton	Currently U4 10000/1300, they have an application to go U4 9500/25000, and now in this application they want their current U4 10000/1300 again. One to watch.
1580	WANB PA	Waynesburg	Decrease power and increase tower height to 300', making them D1 720/0 [Power correction from Issue 3]

APPLICATION FOR CP PETITIONED FOR RECONSIDERATION

670	KSXX NV	Las Vegas	Has a CP for U4 10000/600, but evidently there are some technicalities the FCC has questioned or turned down, so the applicant has asked for reconsideration. Another one to keep an eye on.
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APPLICATIONS DISMISSED

880	KKMC CA	Gonzales	Licensed for U4 10000/1000, they wanted to change City of License to Salinas but this action, at the applicant's request, cancels that. They still have a CP on file for U4 10000/10000 dating back to 1997 and an application for U4 10000/1000 from September of this year altering the night pattern.
1590	WATX TN	Algood	Wanted U1 2400/35; remains U1 1000/27

LICENSE RENEWALS GRANTED

550	WSVA VA	Harrisonburg	1240	WGMN VA	Roanoke
770	WYRV VA	Cedar Bluff	1310	WGH VA	Newport News
810	WYRE MD	Annapolis	1320	WGVM VA	Lynchburg
950	WCTN MD	Potomoc-Cabin John	1340	WHAP VA	Hopewell
960	WFIR VA	Roanoke	1360	WHBG VA	Harrisonburg
1030	WWGB MD	Indian Head	1380	WMTD WV	Hinton
1050	WMSG MD	Oakland	1390	WKLP WV	Weyser
1070	WIWS WV	Beckley	1470	WTTR MD	Westminster
1230	WJOI VA	Norfolk			

The following stations have applied for renewal, but an informal objection has been filed against the grant. Usually, an 'informal' objection is a gripe by an individual or organization.

600	WCAO MD	Baltimore	1260	WWRC DC	Washington
610	WTFX VA	Winchester	1260	WCHV VA	Charlottesville
800	WVHU WV	Huntington	1300	WKCY VA	Harrisonburg
910	WRNL VA	Richmond	1320	WVGM VA	Lynchburg
930	WFMD MD	Frederick	1400	WKAV VA	Charlottesville
960	WTGM MD	Salisbury	1400	WBBD WV	Wheeling
970	WKCI VA	Waynesboro	1420	WTCR WV	Kenova
980	WTEM DC	Washington	1450	WLTP WV	Parkersburg
1140	WRVA VA	Richmond	1470	WJDY MD	Salisbury
1170	WWVA WV	Wheeling			

ODDS AND ENDS

+ Cumulus Media has been fined \$7,000 for "failure to maintain an effective locked fence or other enclosure" around the base of a tower for WNAM-1280 (Neeah-Menasha). In August 2001, an inspector found that a fence surrounding one of WNAM's towers had fallen down. The problem was fixed the following month. Cumulus argued that the fine should be cancelled because though its engineer makes a weekly visit to the site, the tower base in question cannot be seen at that time of year due to tall corn. The FCC said it is essential that engineers visit each tower at a site during regular inspections. The FCC also said that WNAM's certificate of compliance from the Wisconsin Broadcasters Associations' Alternative Broadcast Inspection Program does not excuse the station from fines.

+ News-talk WJR returned to the top spot among Detroit's radio stations during the summer 2003 book. Among listeners age 12 and above, WJR finished ahead of all-news WWJ, rock WRIF-FM, oldies WOMC-FM, urban WJLB-FM, and smooth jazz WVMV-FM.

Thanks: John Bowker, Shawn Axelrod, Upper Midwest Broadcasting and Michiguide dot com



104 South Empona, Wichita, Kansas
67202 (316) 262-4491



Domestic DX Digest

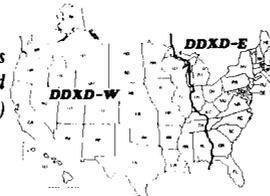
West: Harry Helms ak6c@earthlink.net

1901 Rio Canyon Ct. #205 - Las Vegas, NV 89128-2708

East: Ginnie Lupi ginnie@nrcdxas.org

PO Box 4014 - Clifton Park, NY 12065-0850

(Division line is
between East and
Central time zones)



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

DDXD-West

OPENING REMARKS

- The entire National Radio Club is in the grip of "frequency challenge mania"!!! The next one is 700 and your loggings are due by November 5
- Gerry Bishop of FL and Mike Riordan of UT made their first contributions under my editorship this week, and thanks to both! Your DX loggings and station news are welcome here too. Please follow the format you see here, including all pertinent information—frequency, call, state, city, date and time of reception, and details of your catch. **And remember all times are in ELT**, no matter what your local time zone.

REPORTERS

- BK-CA** Bob Karchevski, Sunnyvale. Drake R8A, two longwires, MFJ-1026 phasing unit.
DS-TN Doug Smith, Pleasant View (Nashville). Sony ICF-2010, no external antenna.
FA-ID Frank Aden, Boise.
GB-FL Gerry Bishop, Niceville. Drake R8, Sony ICF-2010, Palomar loop, Radio Shack loop, 20-meter wire.
JJR-WI John J. Rieger, South Milwaukee. Icom R-75, Kiwa loop, MFJ-959B tuner-preamp.
JW-CO John Wilkins, Wheat Ridge. Drake R8, 4-foot box loop.
KR-AZ Kevin Redding, Mesa. Kenwood R-1000 and 60-foot wire, "nekkid" CC Radio, "Brown leather 1959 Zenith Royal 755 LK."
MG-ID Mark Griffin, Boise. CC Radio Plus.
MR-UT Mike Riordan, Salt Lake City. Panasonic RF-8300, Select-a-Tenna.
PG-CO Patrick Griffith, Westminster. Drake R8, Kiwa loop.
SA-MB Shawn Axelrod, Winnipeg. Drake R8, Icom R-70, 4-foot box loop, Quantum Loop, 155 and 100 foot outdoor wires, MFJ-1026 phasing unit.
Ed.-NV Yer Editor, Lost Wages USA. Drake R8B, Sony ICF-2010 w/Kiwa filters, Quantum Loop, etc.

FREQUENCY CHALLENGE RESULTS

- 650 **KMTI UT** Manti. 10/19 2313 with their standard classic C&W stuff. **(KR-AZ)** This station owns 650 at night in Las Vegas and is often audible during the day with the R8B and Quantum Loop. **(Ed.-NV)**
- 650 **KSTE CA** Rancho Cordova. 10/22 0054-0113. KSTE dominates this frequency here in the SF Bay Area; they are semi-local (Sacramento). KSTE format is talk; I heard George Noory with "Coast to Coast AM." At night (920W) I can hear two stations 'way behind them, one with SS-type music. If I phase out KSTE, other stations are still too weak to identify. **(BK-CA)** I could sometimes hear this station with KMTI nulled when I lived in southern California, but no go in Las Vegas. **(Ed.-NV)**

DX TEST RESULTS

- 1060 **KTNS CA** Oakhurst. 10/19 0307-0402 (0007-0102 PDT). Heard with CKMX and suspected KDUS in a real mix. Most of the MC (Morse Code) from KTNS was loud & clear, but woman DJ was strong to weak to non-existent. Most IDs were for "KAAT Oakhurst-Fresno FM 103.1" **(BK-CA)** Solid signal, lots of Morse IDs heard. Nothing unexpected. **(FA-ID)** (Note: this test was actually a retest of one that was arranged much too late to be announced in DXN -pls.)

STATION CHANGES, NOTES, ETC.

- 820 **KUTR UT** Taylorsville. Station still not on air. Bonneville Corporation (KSL) wants to

- buy from Simmons Media; issue still tied up in court. **(MR-UT)**
- 830 **KPLS CA** Orange. Noted 10/21 loud and clear all night, apparently running day power and pattern. **(MR-UT)**
- 1010 **KIQN UT** Tooele. Temporarily silent; owners are bankrupt and are selling station. **(MR-UT)**
- 1510 **KCUV CO** Littleton. 10/19 1622. Station appears to be still searching for a niche. Noted format change earlier this week to what they called "Americana" music which is mostly older C&W. Today they were 100% bluegrass which appears to be the Sunday schedule. IDs were "Bluegrass and such all day long on fifteen, KCUV" and "This is a new radio station, KCUV, I hope you're enjoying bluegrass Sunday." **(PG-CO)**
- 1510 **KMKX CA** Ontario. Station is unusually loud and clear at night; has there been a technical change or is station not powering down at night? **(MR-UT)**

UNID & HELP REQUESTED

- 1450 **unID ??** ??? 10/18 0909. Nostalgia (NOS) song ending, then guy says "We know [or Reno's?] the Music of Your Life, 14-50 Radio" and into more music. Fair at best mixing with others. If he did say "Reno," then this would seem to be a format change from the listed C&W. **(JW-CO)**

REGULAR DX LOGGINGS (times in ELT)

- 580 **WBIL AL** Tuskegee. 10/23 1958, after five days of chasing, finally pulled down "here in Tuskegee" from them between gospel performances. Likely the closest I will get to any kind of ID, apparently. They've rolled right through the top of hour (ToH) for the last five days at 2000 without so much as a pause. **(GB-FL)**
- 590 **KTIE CA** Bakersfield. 10/22 0535. ID as KTIE new for call change with news talk about California election of Arnold Schwarzenegger. **(KR-AZ)**
- 610 **KCSP MO** Kansas City. 10/18 0500. Fair signals with Sporting News Radio programming and ID as "KCSP Kansas City's best sports talk." Now using these calls and sports format. New! **(SA-MB)**
- 610 **KNML NM** Albuquerque. 10/15 0500. Poor signals on top with "your new home for Imus in the Morning Sport Radio 6-10 KNML" New! **(SA-MB)**
- 720 **WGN IL** Chicago. 10/18 0245. ID and man talking about Martha Stewart under KDWN. Rare. **(KR-AZ)**
- 780 **WBBM IL** Chicago. 10/18 0248. Johnny Dollar and ad for Mercedes Benz of Chicago 1-800-IMPORTS. Rare. **(KR-AZ)**
- 800 **WDEH TN** Sweetwater. 10/19 0132. Poor and alone (How sad!!-Ed.-NV) w/legal ID between songs. No CKLW at all. 379w. NEW! **(JJR-WI)**
- 830 **WCCO MN** Minneapolis. 10/18 0200. ToH ID after a quack medicine infomercial and into CBS News. Rare. **(KR-AZ)**
- 830 **WFNO LA** New Orleans. 10/18 0535. Poor, steady in WCCO null. New Orleans mention in ads. Spanish programming. **(JJR-WI)**
- 910 **KVIS OK** Miami. 10/24 0351. Fair with calls, Southern Gospel music. Was hoping for better, hi. **(JJR-WI)**
- 960 **WHYL PA** Carlisle. 10/16 ~0100. Fair-good (deep fades) with oldies and IDs. NEW. **(DS-TN)**
- 970 **WFSR KY** Harlan. 10/19 0058. Poor but steady over UNID nostalgia (NOS) station. "WFSR news" into KY news. 24w! NEW! **(JJR-WI)**
- 1060 **CKMX AB** Calgary. 10/19 0307-0313. With Big Band music. Voice ID (VID): "... Calgary's AM 10-60 CKMX." Suspected KDUS (no ID, but ads for Sports News Radio.com) soon took over frequency. New. **(BK-CA)**
- 1100 **KAFY CA** Bakersfield. 10/17 2233. "La Favorita" slogans, area ads, then into "Futbol de Primera" program (soccer results). Fair/poor in QRM; first-timer here, CA #109. **(JW-CO)**
- 1110 **KGFL AR** Clinton. 10/19 0724. Oldies tunes, local weather, singing IDs. Fair in KFAB open carrier (OC), and new here, AR #23. Was hoping for WBT and a new state, but no such luck. **(JW-CO)** Given the tightness of WBT's pattern, hearing it in CO will be a real challenge. If I were you, I'd just "log" them via streaming audio on the internet and send a report to get their QSL. It'll be a lot easier that way than trying to hear them on a radio. **(Ed.-NV)**

WREN
"The good life"

- 1110 **KFAB NE Omaha**. 10/19 0720. Noted running OC only; came back on at 0816 ELT. Noted KGFL (see above) Radio Disney (presume KDIS), and KYKK, nothing else. (JW-CO)
- 1110 **WUAT TN Pikesville**. 10/14 2020. C&W, quick ID at 2101 for "WUAT Pikesville" all of this under WBT. Apparently on day power and past their bedtime. (GB-FL)
- 1130 **CKWX BC Vancouver**. 10/23 0000. ToH ID and into news headlines about squatters on public lands and parks around Vancouver. Only Canadian heard so far this season and earliest ever. Had a decent signal before fading out. (KR-AZ)
- 1160 **WAMB TN Donelson**. 10/19 0755. Good with Sunday morning Gospel program (Southern GOS music, M announcer with area Gospel happenings). They were on day power and really roughing up usual pest KSL; nice for a change. (JW-CO) Anybody else remember when WAMB was on 1190 and ran a widely heard DX test back in 1971 or 1972? (Ed.-NV)
- 1270 **WKZT KY Fulton**. 10/24 0340. Good at 20/9 with long weather forecast, calls. C&W. 54w! (JJR-WI)
- 1270 **WLIK TN Newport**. 10/17 0707. Poor; weather, ID, oldies music. Alone on frequency. (JJR-WI)
- 1280 **KZMS UT Salt Lake City**. 10/19 2215 with sports programming over my local on 1280. (KR-AZ)
- 1280 **WADO NY New York**. 10/17 0100. Good, "Exactamente los 1:00 de la madrugada en Nueva York," English ID, "Radio Wado." NEW. (DS-TN)
- 1350 **KABQ NM Albuquerque**. 10/19 2157 with ID and Fox Sports Radio. (KR-AZ)
- 1370 **KWRT MO Boonville**. 10/24 0400. Poor, steady over others w/legal ID as "KWRT-AM Boonville" into AP news. C&W. (JJR-WI)
- 1490 **WMOG GA Brunswick**. 10/21 2100. ABC News, to NOS at 2103, big signal for "Hometown Radio is 1490 WMOG" at 2106. In again at 2233 with a promo for "The Island Players" brought to you by "Hometown radio 1490 WMOG, serving the golden isles for over 50 years." New! (GB-FL)
- 1490 **WWPR FL Brandenton**. 10/21 2255. Faded up with nice promo for a program "every weekday at 11, right here on WWPR 1490" to the Doobie's "Black Water." Probably the one that was in and out all evening playing '70s hits. (GB-FL)
- 1510 **KSPA CA Ontario**. 10/17 2252. Noted in KCUV null with "We are the Station of the Stars, serving the Inland Empire with the perfect mix of music and information. AM 1510 K-spa," and into a NOS tune. Fair with no sign of KFNN. Last heard here as KNSE a few years back. (JW-CO)
- 1590 **KLIV CA San Jose**. 10/21 1928 with a traffic report mentioning I-280 and CA17 where there was a traffic accident. Then giving a BoH ID. New! (KR-AZ)
- 1660 **KXOL UT Brigham City**. 10/16 2335. "1660, KXOL" Songs heard: "Tequila," "Raindrops Keep Falling From My Eyes." Poor to fair with some fading. (MG-ID)
- 1690 **WSWK GA Adel**. 10/13 1958. "Wild Adventures Radio" now a nightly pest. Notable here for the inclusion of "WSWK Adel" between ads for the Wild Adventures park. (GB-FL)
- 1690WRL **IL Berwyn**. 10/13 2204 with oldies, past 2315. Frequent promos for www.realoldies1690.com while I listened. (GB-FL)

DDXD-East

Our first weekly "Clear Channel Challenge" on 650 kHz begins this week's column. Not a huge response – hopefully more of you will be participating as the Challenge goes on! Here's the schedule:



- 700 kHz – Listen October 29 – November 4, due November 5
 720 kHz – Listen November 5 – 11, due November 12
 760 kHz – Listen November 12 – 18, due November 19
 780 kHz – Listen November 19 – 25, due November 26

REPORTERS

- MKB-ON **Mike Brooker, Toronto** – Grundig YB-400PE, Panasonic RF-2200.
 SC-ON **Saul Chernos, Burnt River** – RadioShack TRF655 and Sangean ATS909 portables with RadioShack loop and assorted longwires.
 MC-NJ **Mike Clancy, Jersey City** – DX-396.
 BC-NH **Bruce Conti, Nashua** – R8B, MWDX-5, 50/75/50-ft east/west and south Ewe antennas.
 KVJ-GA **Karl V. Jeter, Lawrenceville** – HQ-150, 12-655 TRF, Kiwa Loop, Quantum Loop.

- WM-TN **Willis Monk, Old Fort** – Sony STR-3800.
 IEN-GA **Ira Elbert New, III, Watkinsville** – AIWA CSD-FD89 and 1996 Isuzu Rodeo Premium Audio System 8200.
 HN-GA **Herbert Newberry, Milledgeville** – Kenwood R-5000, Quantum QX Pro Loop and Phaser, Longwire.
 BS-WV **Bill Swiger, Bridgeport** – HQ150 with 1000 ft. east/west beverage antenna.
 BT-NB **Brent Taylor, Doaktown** – Grundig YB-400PE, RS 15-1853 loop.
 JV-NY **John Verwoort, Brooklyn** – Grundig Yacht Boy 400 PE.

CLEAR CHANNEL CHALLENGE – 650 kHz

- 650 **WSRO MA Ashland** – 10/20 0650 - Talk under WSM, then switched to full power at 0658 over WSM with ID, "Metrowest metro Boston... WAZN Marlboro... WSRO Ashland," into USA news followed by *American Breakfast* talk show. (BC-NH)
- WSM TN Nashville** – 10/16 2230 - Many promos for Nashville legend Bill Cody plus Statler Brothers song "Flowers On The Wall". Nashville weather report given at 2241. (WM-TN)
- + 10/17 2100 - Good; "You're listening to the Friday Night Opry on 650 AM Nashville's Country Legend," and Johnny Cash contest promo, over WSRO. (BC-NH)
- + 10/20 0025 – in like ton of bricks with usual traditional C&W from the Grand Ol' Opry, slogan "Nashville's Country Legends, 650 AM WSM". This and MOJO-640 slop were the extent of it on 650. (MKB-ON)
- + 10/20 0330 – Fair, all alone with C&W music, of course. Then "650 WSM" ID and mentions of WSM's 78th anniversary @ 0332. (BT-NB)



STATION NEWS

- 880 **WPEK NC Fairview** – 10/14 0645 – "Get another ? of the best music in the morning, weekdays with Jeff Rollins, Music (Easy) 880 W???" Not WCVQ-VA per phone call. Called WPEK and told it carries this. Switched from country to adult standards in September and uses "Easy 880" slogan. New. (SC-ON)
- UNID AND PRESUMED**
- 810 **UNID** – _____ – 10/18 2130 – Spanish programming, ID sounded like "Radio Treka." (SC-ON)
- 960 **CFACp AB Calgary** – 10/5 0446 – "ESPN Radio" ID can only be WA or AB. Not enough to log but I know this gem is out there waiting for me! (SC-ON)
- 1070 **UNID** – _____ – 10/20 1925 – Spanish vocals, sounding almost polka-like (including an accordion solo!), noted during WINA fades. (MKB-ON)
- 1140 **CHRBp AB High River** – 10/4 2150 – High-pitched East Indian music matches program listed on station web site. (SC-ON)
- 1380 **WLXEp NY New York** – 10/16 1913 – presumed over pest CKPC with talk in Russian mentioning the Bush administration ("Administratsiya Georgii Boosha"). I thought the NYC station is all-SS. Could they be brokered ethnic as well? (MKB-ON)

REGULAR LOGGINGS

- 540 **CBK SA Watrous** – 10/13 0705 – CBC News, then back into CBC Overnight. Must be CBK, as CBT-NF would be into CBC morning sked. (SC-ON)
- WDMV MD Pocomoke City** – 10/11 2226 – "Tennessee Waltz" followed by host saying "it's 10:28 and I'm seeking caller number ten to win Maryland Lottery Tickets." Song "A Boy Named Sue" was next. Signal fair/poor with fading. New. (MC-NJ)
- + 10/13 2315 – Weather, Greater Pocomoke QTH, calls, oldies and nostalgic music (40s-60s). (SC-ON)
- 550 **WGR NY Buffalo** – 10/8 2255 – "On WGR sportsradio fifty-five." (JV-NY)
- 620 **CKRM SA Regina** – 10/13 0708 – Country music ("we are country and we like it that way", etc...) followed by partially-heard ID ("KRM") and local ads including "Carpet Bargain Centre, Regina's Store". Fairly solid signal and on top for about 15 minutes. New. (SC-ON)
- 680 **WPTF NC Raleigh** – 10/12 0000 – "Breaking news as it happens, WPTF, Raleigh." (JV-

690 **KGGF KS** **Coffeyville** - 10/13 0726 - Startled when I heard SASK in a news item, but soon ran PSA for a Kansas agricultural group (www.kla.org) and NBC Sports. (SC-ON)

730 **WJTO ME** **Bath** - 10/4 0002 - Morse code (two different pitches) and spoken ID during DX test. Fairly strong with CKAC. (SC-ON)
+ 10/4 0010 - poor. Only copy here was the call ID in Morse, at 2 or 3 different tones. WLIL also in strong; probably on day rig. New. (DH-NJ)

790 **WAEB PA** **Allentown** - 9/28 2159 - Ad for Chrysler/Jeep dealership in Bethlehem, then "your news and talk station, WAEB seven-ninety, Allentown-Bethlehem", followed by CBS News. (JV-NY)

850 **WYLF NY** **Pen Yan** - 10/9 2340 - "Blue Bayou" followed by an instrumental version of the "Orange Blossom Special" and "The Morning After." ID at midnight: "850 WYLF Pen Yan-Canandaigua-Geneva." Signal fair/poor, heard above mess. (MC-NJ)

WRUF FL **Gainesville** - 10/10 0236 - weather forecast for Central Florida on "WRUF Gainesville". New. (HN-GA)

910 **KVIS OK** **Miami** - 10/18 2316 - OK in weather, calls, gospel music, "Country gospel right here on the King's Vision." New. (SC-ON)

WKEQ KY **Burnside** - 10/19 0610 - Calls heard in mix of stations. New. (SC-ON)

940 **CJGX SA** **Yorkton** - 9/15 0050 and 10/4 2100 - Calls, GX-94 slogan, country music. Fairly solid. (SC-ON)

CINW QC **Montreal** - 9/28 2218 - Local weather report on "Montreal's nine-forty news." Splatter from local WPAT. (JV-NY)

WRFX FL **Miami** - 10/4 2110 - Thanks to tip from Barry McLarnon, heard "Fox Sports Radio" mixing with Montreal pest and CJGX-SA. New. (SC-ON)

950 **WKAM TN** **Franklin** - 10/18 0706 - over WWJ with run-down of obits and funeral announcements, local weather, promo for AM & PM traffic reports: "Traffic watch, weekdays on AM 950 WAKM", into C&W song. (MKB-ON)

960 **WTCH WI** **Shawano** - 10/5 0450 - "Moose country, AM 960, WTCH" and local references including North Shore and Shawano Lakes. (SC-ON)

970 **KFNX MN** **Austin** - 10/5 0500 - "970 the Fan, KFNX Austin" and Fox Sports Radio. New. (SC-ON)

1010 **CFRB ON** **Toronto** - 10/20 0048 - People Helping People Show (REM-Losing My Religion Bumper Music) "Newstalk 1010 CRFB." (IEN-GA)

1030 **WBGS WV** **Point Pleasant** - 10/18 1832 - "Great Christian programming for the whole family. WBGS AM 1030, your ministry station," followed by gospel music. New. (SC-ON)

1070 **WNCT NC** **Greenville** - 10/12 2359 - Music followed by female giving ID: "This is WNCT - 1070 AM - Greenville, North Carolina, with 10,000 watts of power." Then a lively sounding song followed by a love song, which faded into CHOK, which again faded into a Spanish rap song. (MC-NJ)

KFTI KS **Wichita** - 10/14 0737 - "Wichita weather with Storm Team 1070" and "AM 1070 The Ranch" ID, country music. (SC-ON)

WINA VA **Charlottesville** - 10/20 0002 - Wrap-up of UVA/FSU Football Game. "With over 60 years of experience, if it happens in Charlottesville, you'll hear it here first on AM-1070 WINA." (IEN-GA)
+ 10/20 1914 - over CHOK with promo for University of Virginia football: "catch it on the Virginia Sports Network", promo for local news: "if it happens in Charlottesville, the WINA News team will tell you about it first", into interview with Virginia's football coach. (MKB-ON)

1080 **KYMN MN** **Northfield** - 10/3 0659 - Full ID and central time in sign-on. (SC-ON)

1130 **KWKH LA** **Shreveport** - 10/2 0715 - "KWKH Country legend" has become a SRS regular here mixing with NYC & Detroit. (SC-ON)

WYXE TN **Gallatin** - 10/18 2013 - "WYXE, 1130 AM on your dial, transmitting from Gallatin-Nashville TN." Same ID in SS and Mexican music. New. (SC-ON)

1150 **WCRK TN** **Morristown** - 10/9 2052 - "1150 WCRK" heard while listening for CKOC-ON. Suspect daytime power on top of sloppy background. New and unexpected. (HN-GA)

1160 **WMLB GA** **East Point** - 10/9 1300 - Now affiliated with "Music of Your Life" network. "Music Radio 1160, WMLB East Point." Legal ID at TOH. (HN-GA)

WJFJ NC **Tryon** - 10/15 0721 - suddenly blasting in after apparent power increase, with Southern Gospel Music. (KVJ-GA)

WVNJ NJ **Oakland** - 10/20 0339 - Poor, in ESPN network jumble, out of "Cry me a River" and into WVNJ ID @ 0340. New. (BT-NB)

1170 **WDFB KY** **Junction City** - 9/29 0817 - Gospel music, birthday announcements, and "Kingdom for Kids" program. (KVJ-GA)

WLBH IL **Mattoon** - 10/6 0741 - nostalgia-type music, "Unforgettable 1170" and "America's Best Music". (KVJ-GA)

WCLN NC **Clinton** - 10/9 0714 - sign-on, into oldies, "Oldies 1170". (KVJ-GA)

KUGT MO **Jackson** - 10/10 0658 - sign-on with "Lord's Prayer" music, ID, "Jackson-Cape Girardeau". (KVJ-GA)

1190 **WGKA GA** **Atlanta** - 10/9 1318 - Noted with Dennis Prager talk show, on "Atlanta's new source for talk, AM 1190." (HN-GA)

WLIB NY **New York** - 10/9 2109 - woman requesting a Caribbean tune responds "WLIB" when asked what station she's listening to. WOWO partially nulled, still pesty. New. (HN-GA)

1210 **WCIL IL** **Carbondale** - 9/28 0714 - rock oldies, "and the Motown just keeps on coming... on a Hitsville Weekend." (KVJ-GA)

KGYN OK **Guymon** - 10/15 0750 - good with Agri-Net report, results of cattle auction, and High-Plains forecast. (KVJ-GA)

1230 **WFAY NC** **Fayetteville** - 10/9 2157 - "WFAY" ID out of the graveyard jumble. New. (JV-NY)

WSOO MI **Sault Ste. Marie** - 10/13 0758 - Soo MI ad. New. (SC-ON)

1250 **WARE MA** **Ware** - 10/9 2226 - "Oldies twelve-fifty, WARE, playing what the other so-called oldies stations left behind." New. (JV-NY)

1260 **WNXT OH** **Portsmouth** - 10/20 0015 - Classic Country Hits (Kawliga-Hank Williams) "News and information when you need it, AM 1260 WNXT." (IEN-GA)

1290 **CJBK ON** **London** - 9/28 0037 - "Ask the Experts", weekdays at twelve-thirty on AM twelve-ninety CJBK." Then into Art Bell, mixing with what probably was WNBK. (JV-NY)

1300 **WJFK MD** **Baltimore** - 9/28 2226 - "This is AM thirteen hundred 'The Jock', Baltimore, all sports all the time." (JV-NY)

1320 **WJAS PA** **Pittsburgh** - 9/28 2230 - "Just listen, here on thirteen-twenty WJAS." Splatter from local WWRV. (JV-NY)

1350 **WTOU OH** **Akron** - 9/27 2359 - "The all-sports station, WTOU Akron, a Clear Channel Worldwide station." Probably mixing with WOYK pest. (JV-NY)

1380 **WPCH SC** **North Augusta** - 10/10 1300 - Legal ID "the new Peach 1380, WPCH, North Augusta" into news. Format change to C & W, "Real Country", ex-NOS. Good signal. New. (HN-GA)

1420 **WRCC GA** **Columbus** - 10/20 1907 - Local News "Super Talk For A Super Town." (IEN-GA)

1470 **WKAP PA** **Allentown** - 10/8 2241 - "Oldies fourteen-seventy, WKAP." (JV-NY)

1520 **WTHE NY** **Mineola** - 10/19 1740 - good with WWKB nulled. Running gospel and giving frequent call IDs. Rare daytime DX for me. New. (DH-NJ)

1550 **WURP PA** **Braddock** - 10/18 1800 - "The Edge" slogan. New. (SC-ON)

1560 **WPAD KY** **Paducah** - 10/20 2106 - Standards (When You're Young At Heart), "this is your home for Tennessee Titans football, AM 1560 WPAD." (IEN-GA)

1570 **WFRL IL** **Freeport** - 10/4 0705 - "Unforgettable music on WFRL." Nostalgia music. Legal ID again the following morning. (SC-ON)

CKMW MB **Winkler** - 10/5 0616 - "1570 CKMW ... sports in the Heartland." (SC-ON)

1680 **KRJO LA** **Monroe** - 10/21 0725 - Monroe church announcements, black gospel music. Strong, alone and new. KS 1660 and AR 1650 relogs in equally strong and alone. (SC-ON)

1690 **WRLL IL** **Berwyn/Chicago** - 10/10 0000 - good to excellent; dominant over WPTX at times. Frequent IDs as "Real Oldies 1690." New. (DH-NJ)
+ 10/10 0109 - "I Must Follow Him" and "Little Darling" followed by host Larry O'Kelly saying, "Oldies 1690... oldies the way they should be, not the same 100 songs over and over." WPTX not heard, I thought they signed off, but at 0121 they started to return only to fade at 0125 into Paul Anka's "You Are My Everything." Signal poor with long fades. (MC-NJ)
+ 10/11 0002 - with oldies, and slogans, "Oldies 1690" and "Real Oldies 1690".

- (KVJ-GA)
 + 10/11 2303 - "WRLL Berwyn-Chicago" and "Oldies 1690" with mostly 50s and early 60s oldies. New. (SC-ON)
 + 10/12 0025 - "Real oldies" dominates this channel, over WPTX. (HN-GA)
 WSWK GA Avondale Estates - 10/1 2141 - Interstate 75 in tourism PSA, under MD and CO. New. (SC-ON)
 + 10/12 1645 - "Wild Adventures" theme park radio. Fairly good reception, slight het in background. New. (HN-GA)
 + 10/12 1758 - dual ID, "WDDQ 92.1/WSWK 1690", "Wild Adventure Radio" with tourist info about "Wild Adventures" theme park near Valdosta. (KVJ-GA)
 1710 PIRATE NY Brooklyn area - 10/2 1941 - English talk about the Messiah, later Hebrew. 24 hours except Friday to Saturday sundown (Jewish Sabbath) when runs OC. Strong all week long. (SC-ON)

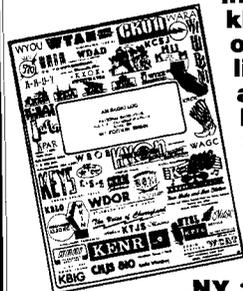
TIS, HAR

- 1610 TIS MD Patuxent Naval Air Station - 10/19 1900 - giving road closings on base, mentioned dates and Rt. 235 loop tape, best after local sunset. (BS-WV)

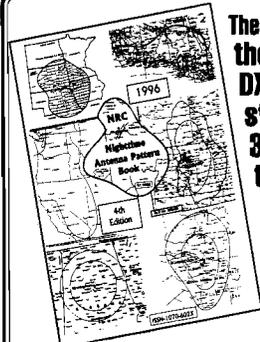
NON-ARCANE ABBREVIATIONS USED IN DDXD

//:parallel to :00: on the hour AC:Adult contemporary AP:Associated Press BBD:big band C&W:country & western CCR:contemporary Christian radio CHR:contemporary hit radio CID:code ID CL:call letter EZL:easy listening EE:English FF:French GOS:gospel LSR:local sunrise LSS:local sunset NFL:National Football League NBA:National Basketball Association NHL:National Hockey League NPR:National Public Radio OC:open carrier PSRA:pre-sunrise authority PSSA:post-sunset authority QRM:man-made interference (power lines, etc) QRN:natural interference (lightning, etc) QTH:location PRI:Public Radio International REL:religious ROK:rock 'n' roll RS:regular schedule SS:stereo SID:singing ID SRS:sunrise skip SS:Spanish SSB:Star Spangled Banner SSS:sunset skip TC:time check TT:test tones UC:urban contemporary UPI:United Press International VID:voice ID

The NRC AM Radio Log, 24th Edition, including cross-referenced listings from 530-1700 khz., is compiled from both listeners' reports and official sources, making it the most accurate listing of U. S. and Canadian AM stations available. Unbound, three-hole punched for standard binders. \$19.95 to U. S. members; \$25.95 to U. S. non-NRC members; to Canadian members, \$23.00 (\$29.00 to non-NRC members). Airmail to members in western Europe (except Italy) and Australia, New Zealand, and Japan: \$29.00. All others contact us for exact prices. Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax).



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International DX Digest

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

The Islamic holy month of Ramadan is observed on the ninth month of the lunar calendar, this year October 27 through November 26. Listen for radio stations on extended schedules during this time with Islamic religious broadcasts.

Next *Frequency of the Week Challenge* deadlines: 670 kHz - Oct 30, 700 kHz - Nov 6, 720 kHz - Nov 12, and 760 kHz - Nov 19, all good Latin American DX frequencies. Thanks to those who participated in the first challenge of the new DX year at 650 kHz, and to all our reporters. With eight countries logged from nine receiver locations, let's call it IDXD Lite, great DX without the fat!

Frequency of the Week: 650 kHz

- 650 **COLOMBIA** HJKH RCN *Antena Dos*, Bogotá OCT 19 0405 - Many Colombia mentions and RCN ID, good and alone with WSM nulled. [McLarnon-ON] OCT 20 2340-2356 - Good; well atop channel with two men in Spanish and occasional apparent ad. Nice ID at 2356 "Antena Dos Bogotá, HJK, seis cincuenta kilohertz," then brief music flourish and "RCN." The last 'H' in the call letters was definitely omitted. [DeLorenzo-MA]
 650 **CUBA** *R.Rebelde*, Media Luna or Santiago de Cuba OCT 21 0236 - Rapid talk, poor in mix with the Colombian and remnants of WSM, but clearly parallel to the stronger *Rebelde* outlets on 670, 710 and 1180. [McLarnon-ON]
 650 **DOMINICAN REPUBLIC** HIAT *R.Universal*, Santo Domingo OCT 20 0904 - Almost non-stop music (bachata, I'm told), with quick "U-u-u-u-u-universal seis cincuenta" ID between songs, fair, nearly alone in WSM null. Thanks to David Gleason for IDing this one! [McLarnon-ON] Modern bachata is a favorite style of music said to have originated from the Dominican Republic, perhaps more popular among the locals than merengue these days!
 650 **MEXICO** XETNT Los Mochis, Sinaloa OCT 19 2013 - Under KMTI which on an auroral night, much less any night, was under KMTI. XETNT is usually dominant. They were playing a recodo banda song. [Redding-AZ] OCT 20 0607 - Clear call ID, "Esta es XETNT Radio... con cinco mil watts de potencia... La Ley," into choral Mexican national anthem, in WSM phase null. Noted call IDs on earlier recordings overnight as well but best at 0607. [Winkelman-OK]
 650 **MEXICO** unID OCT 20 0659:45 - Noted very brief portion of Mexican national anthem under XETNT, 0700 is midnight MST, could be XEVSS in Sonora? [Winkelman-OK]

Transatlantic DX

- 1098 **SPAIN** RNE *synchros* OCT 17 2240 - Good; fanfare, man in Spanish, synchro echo, over music likely from Slovakia. [Conti-NH]
 1107 **SPAIN** RNE *synchros* OCT 17 2245 - Good; man in Spanish parallel 1098. [Conti-NH]
 1116 **SPAIN** SER *synchros* OCT 17 2250 - Good; teletalk in Spanish. [Conti-NH]

Pan-American DX

- 540 **NICARAGUA** YNOW *R.Corporación*, Managua OCT 21 0800 - Very tentative; apparent news program with mentions of Nicaragua, slightly off frequency, producing a low growl on the channel, over WLIE and other domestics. This one needs more work! [McLarnon-ON]
 577.5 unID OCT 13 0120 - Talk in Spanish, receiving antenna aimed east. [Wesolowski-NE] Another defective Cuban transmitter?
 640 **CUBA** *R.Progreso* OCT 18 0030-0035 - Speech excerpts, easy listening music. "Radio Progreso Cadena... Habana." All in Spanish. Good peaks over interference. [Frodge-MI]
 660 **MEXICO** XEEY Aguascalientes OCT 4 1056 - *La Consentida* ID followed by excited "No No No No" sounds. Mexican-Latin music. [Chernos-ON]
 660 **MEXICO** XEDTL México DF OCT 18 0147 - Tentative; "La Candela" spot to Latin American music. Well under WFAN; otro Español there with talk regarding Castro. [Frodge-MI]
 670 **CUBA** *R.Rebelde*, Arroyo Arenas OCT 18 0155-0200 - Man in Spanish with baseball (Cuba vs. México?) game call. "Radio Rebelde, Cadena Nacional," and "Aquí esta Radio Rebelde" spots at 0059. Parallel 5025 which was much weaker than earlier at 0035. Mainly over WSCR. [Frodge-MI]
 710 **CUBA** *R.Rebelde* OCT 18 0100 - Up suddenly with "Rebelde ahora." Poor under WOR and KEEL. No Spanish heard before 0100. [Frodge-MI]
 730 **MEXICO** XEX México DF OCT 18 0200-0219 - Presumed; two men in Spanish with fútbol(?)

- game coverage; mentioned México and Santa Rosa de Lima several times. Ad break at 0216 with mentions of México, but no ID. On top throughout. [Frodge-MI]
- 750 **VENEZUELA** YVKS RCR Caracas OCT 18 0240-0301 - Presumed; man in Spanish with speech; several mentions of Venezuela including "La revolucion de Venezuela." No break at 0300. Copiable under WSB. [Frodge-MI]
- 810 **COLOMBIA** HJCY CARACOL Bogotá OCT 17 0200 - "Radio Caracol" IDs and mentions of Colombia, good, topping WGY at times. [McLarnon-ON]
- 860 **CUBA** CMDB *R.Reloj*, Baracoa OCT 21 0145 - *Radio Reloj* ticks beneath CJBC Toronto. [Chernos-ON]
- 970 **MEXICO** XERFR *R.Fórmula*, México DF OCT 17 1100 - Talk with three *Radio Fórmula* IDs, short musical selection and then into news, fair signal with WGTK the only domestic being heard, 20 minutes before local sunrise. Thanks to Henrik Klemetz for help with the ID! [McLarnon-ON]
- 1010 **MEXICO** XEVK Torreón, COAH OCT 15 2200 - Noted with "V-K" semi-IDs, ads, and "Que Buena AM" slogans, a new slogan, apparently. Fair/poor in jumble. [Wilkins-CO]
- 1180 **CUBA** *R.Rebelde*, Villa María OCT 18 0035-0050 - Copa (de Sudamerica?) game coverage in Spanish. Good over WZQZ at times; no WHAM! Parallel 5025. [Frodge-MI] Perhaps Copa Mundial de Béisbol jugada por jugada. *Rebelde* was covering Cuba vs. China.
- 1460 **MEXICO** XECB San Luis Río Colorado, SON OCT 18 1258 - National PSA's, ID at 1300, then anthem. ID text is as follows: "XECB Radio Ranchito, 1460 kHz, diez mil wats de potencia diurno, mil wats nocturno. Estudios y oficinas en Avenida Francisco Eusebio(?) Quino y Calle Quinta; planta transmisora en la Colonia Ganadera. Emisora integrante de la Gran Cadena OIR..." At 1303, after the national anthem, was a prayer, then a supermarket spot. Very good signal here morning and night, and should be widely heard throughout the South-west. Ex-1450, XE #199 here (1 more to go!), and SON # 34. [Wilkins-CO]
- 1620 **US VIRGIN ISLANDS** WDHP Frederiksted OCT 19 1955 - Playing country music. Kind of surprising to hear them play C&W. Very rare here. [Redding-AZ]

Contributors

- Bruce Conti, Nashua NH; R8B, MWDX-5, 15/23/15-m east/west Double Ewe and 15/23/15-m south Ewe.
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- Harold Frodge, Midland MI; R8B, 85/215-ft random wires, 125-ft single loop. <yukon@tm.net>
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- Bruce Winkelman, Tulsa OK. <bdwink@cox.net>

International News

- ALGERIA:** The Polisario Front station seems to be testing on 700 kHz in addition to the usual 1550 and 7460 channels. [Carlos Gonçalves, BCDX, via Oct 13 *ARC Information Desk*]
- CZECH REPUBLIC:** The following MW transmitters will cease operation October 31, 2003:
 558 kHz - Lipno / Blizna (regional program Ceske Budejovice, 0400-1900)
 558 kHz - Broumov / Rozmítal (regional program Hradec Kralove, 0400-2100)
 846 kHz - Ostrava-Svinov (regional program Ostrava, 0700-1500)
 900 kHz - Brno-Komarov (program *Cesky Rozhlas 2, Praha*)
- So hurry up if you want to send your reception report on regions. [Karel Honzik, *MWC E-Mail News*]
- ITALY:** In the last days *RAI* Rome 846 was off during the night. So it was possible, here in Italy, to receive *KBC* Nyaminia (100 kW) Kenya observed in parallel with 1386 kHz. I was in Abetone (Tuscany mountains) from 10 to 15 October with Dario Monferini and we heard also *Radio North*, Redcastle, Ireland: "This is the new Radio North" with country gospel music. [Giampiero Bernardini, *HCDX*, via Mark Connelly]
- UKRAINE:** On 1 October, the 500 kW transmitter in Mykolaiv on 549 kHz has been switched on again. It is carrying UR2 at 2200-0230 (SS0300), and UR3 at 0230 (SS0300)-2200. The same schedule is in effect for the second synchronized transmitter on 549 kHz in Kyiv. [Alexander Egorov, open_dx mailing list, via Bernd Trutenau / MWDX]

DX'er's Notebook

Shared tips, topics, and Internet info

Dave Braun dcbraun@delanet.com
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With the recent disturbed and auroral conditions, this time we'll take a look at how these type of conditions affect your ability to hear DX – or at least affect what you can hear as DX.

John Wilke, WB9UAI, Milwaukee, WI <J999w@aol.com>

I've done a fair amount of reading on the (effects of aurora on MW propagation) and if I recall correctly, it's usually stated that propagation through northern routes are attenuated leaving the possibility of the reception of southern stations. I don't remember much mention, if any, on east - west propagation. What I mostly notice during high geomagnetic activity from here in Wisconsin, is that the east coast is attenuated, leaving the door open for low power domestics, on a north - south path, even if they are located north of me. For example tonight, with auroral conditions, KDKA on 1020kHz is attenuated leaving KJJK Fergus Falls, MN easily dominating the channel. Only on occasion do I notice a pipeline into the Caribbean, or Mexico as would be expected by reading the literature.

So, I guess my question is, what causes the degrading of the MW signal on the east west, mid latitude paths (such as Wisconsin to NYC)? Mark Connelly, often remarks that Africa is audible during auroral conditions because Europe is attenuated (crossing the auroral circle)... but that's east - west propagation which would be attenuated by my experience.

Secondly, with the earth's magnetic flux lines being in different density in different parts of the world, would auroral effects differ as well?

On an aside, I did have a nice greyline path into Mexico City at my sunset tonight. XEX 730kHz came up out of the noise for about 10 minutes, peaking 58, then faded right down to nothing again. Looking at the Geoclock map, both Mexico City and Milwaukee are on the terminus at my sunset. Textbook. Now if I can duplicate that half way around the world instead of 1700 miles!

Brent Taylor, Doaktown, NB <btaylor@nbnet.nb.ca>

Hi John, I'm far down the list of experts on this one, but I'll give it a try...

I'm guessing that your low-powered domestics are within groundwave distance, and therefore would not be attenuated by the Aurora, so if Au conditions exist, even northern groundwave stations should be fine.

Wisconsin to NYC would be far enough to require a significant skywave component to get the signal to the other end, and there are two factors that may interfere during Auroral conditions. First there is the fact that east-west at that distance involves a Great Circle path which carries the signal somewhat through a northern path. Second, the Auroral oval can extend far enough south (as it did Sunday night) to step on that Great Circle path and attenuate would-be east-west signals.

Milwaukee to Boston is a bearing of 86 degrees true, so even though Boston is SOUTH of Milwaukee by half a degree of latitude, a signal from Boston to Milwaukee, by the shortest path, actually travels slightly to the NORTH, and therefore has a better chance of being attenuated by the Aurora when it is present.

If you do a Great Circle path to both Africa and Europe you will see that Europe's signals pass far farther north than Africa's, but even Africa's signals have a North-East component to them. For instance, Boston to Hamburg, Germany is at a bearing of 46 degrees, and Boston to Western Sahara is at a bearing of 89 degrees. If the Auroral oval lies between those two bearings, as it often does, European signals will be attenuated greatly, while African signals can arrive relatively unscathed.

Yes, I believe (auroral effects differ in different parts of the world). Because there magnetic north pole is actually in Canada, several hundred miles south of the "real" pole, the Auroral "donut" is shifted towards North America, with the hole of the donut therefore over Ellesmere Island. The Auroral oval therefore extends further south into North America than it does on the European-Asian side of the planet.

Thomas Giella, KN4LF, Plant City, FL <kn4lf@tampabay.rr.com>

I think Brent Taylor did an excellent job answering of answering John Wilke's propagation questions.

As far as the last question- "Secondly, with the earth's magnetic flux lines being in different density in different parts of the world, would auroral effects differ as well?" I would like to add that under definition #11 on my propagation theory notes at <http://www.kn4lf.com/kn4lf8.htm> I have four maps of our Earth's magnetic field density differences.

Also there is a beast called Magneto Ionic Power Coupling. Antenna polarization plays a large role in the success of a long haul MF DX contact. As a medium frequency RF signal traverses our planets magnetic lines of force in a perpendicular manner on high and mid latitude paths say between W3 land and SM, higher angle horizontally polarized signals are more readily absorbed than lower angle vertically polarized signals. On other propagation paths on the globe opposite results can be found, i.e. horizontally polarized signals suffer less absorption on a propagation path between VK6 and W4.

Marc DeLorenzo, Marstons Mills, MA <MarstonsMarc@aol.com>

John Brent Taylor's explanation was excellent! I recommend that you look at drawings of the auroral oval in various positions. Such drawings can be found in NRC reprints of articles written 30-35 years ago by Gordon P. Nelson. Go to <http://www.nrcdxas.org/catalog/reprints/> and scroll down to "Propagation." The articles that are likely to have such drawings include P1, P6, P7, and P13. Other DXers (including Russ Edmunds) have also written excellent articles on this subject.

Russ Edmunds, Blue Bell, PA <wb2bjh@nrcdxas.org>

I would also recommend viewing such sites as

www.spaceweather.com

www.sec.noaa.gov/radio/radio.html

www.sel.noaa.gov/today.html

These will show near real-time views of the earth and the positioning of the auroral zone at different times of day.

John Wilke <J999w@aol.com>

It appears that most of the low power domestics I hear during auroral conditions are in the 400 to 600 mile range... could it be that I'm hearing them via D layer rather than E layer skip? Is the E layer affected more by the auroral conditions than the D layer?

Thomas Giella <kn4lf@tampabay.rr.com>

The RF signal absorptive radio aurora is at the same approximate altitude as the E layer. As the E layer is the primary refractive layer for the MF AM broadcast band it explains why the radio aurora is a negative thing.

As far as the D layer it can refract or actually wave guide in a sense, frequencies below approximately 300 kc at day. At daytime the D-layer, which is at an approximate height of 30-60 miles in the mesosphere, totally absorbs medium frequency RF signals, most of the time. I say most of the time because at high latitudes, during the winter season and especially at the low part of a sunspot cycle, penetration of MF RF signals through the weakened D-layer and then refraction via the E-layer does occur. Also the D-layer does not totally disappear at night.

Many books that deal with radio wave propagation erroneously state the D and E-layers disappear after sunset, totally incorrect thanks to Galactic Cosmic Rays. Background electromagnetic radiation in the 1 to 10 Angstrom range (Hard X-Rays) from our Sun is the main source of ionization of the day time D-layer. While I'm visiting the subject of electromagnetic radiation, our Sun emits electromagnetic radiation and matter, as a result of the nuclear fusion process. Electromagnetic radiation at wavelengths of 100 to 1000 Angstroms (Ultraviolet) ionizes the F region, radiation at 10 to 100 Angstroms (Soft X-rays), as well as Cosmic Rays ionize the E region. Galactic Cosmic Rays are the reason that the E layer is "always" present at night time, the D layer also to a lesser extent.

Barry McLarnon, VE3JF, Ottawa, ON <bdm@bdmcom.ca>

Here's my take on it. You're still hearing signals via the E layer (or possibly F layer, especially if you're at the high end of the band). For a given station, skywave field strength would be an inverse function of distance if its antenna radiated equally at all elevation angles, due to the usual 1/distance-squared spreading loss (calculated for the ionospheric path, of course). But the antenna is designed to maximize low-angle radiation, for groundwave coverage. This causes an increase of skywave field strength with increasing range along the ground, at least up to the point where the angle becomes low enough that ground losses (at both the transmit and receive ends of the path) start to become a significant source of attenuation. These two factors balance each other and produce a broad maximum in field strength as a function of distance - probably somewhere around the upper end of your 400-600 mile range.

This applies to typical nighttime conditions in the winter, but in the summer when there is often some residual D layer absorption at night, or anytime when there is auroral absorption to contend with, we have to throw this factor into the mix too. A signal suffers more attenuation if it travels through the absorbing layer obliquely, so this factor also causes a decrease in field strength with increasing path length. Also, multi-hop signals get hit by the absorption multiple times, so they get attenuated even more. The result is that the maximum field strength as a function of path length gets shifted to shorter distances, so closer-in stations are relatively stronger than at times when absorption isn't a factor. And, of course, if you are anywhere near the auroral oval, direction of the path becomes



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a huge factor too.

Thomas Giella <kn4lf@tampabay.rr.com>

Barry's take on it is also very plausible. On my propagation notes website I have this posted.

2.) Aurora Oval Blockage, Absorption And Refraction-

The aurora ovals "generally" have a negative impact on medium-frequency propagation. If the path over which you are communicating lies along or inside one of the Aurora Ovals, you will experience degraded propagation in one of several different forms; strong signal absorption, brief periods of strong signal enhancement, which is mainly caused by tilts in the ionosphere that allow signals to become focused at your location or very erratic signal behavior in the form of strong and rapid fading, etc., caused by a variety of effects such as multi-pathing, anomalous and rapid variations in absorption, non-great-circle propagation, horizontal or side refraction and/or scatter (skewing) due to changes in electron density and polarization changes. (See definition #7. Propagation Path Skewing).

When the Aurora Oval zones are contracted and latitudinally-thin coinciding with low geomagnetic activity, it is possible for a medium-frequency transmitted signal to propagate through the Aurora Oval zone without being heavily absorbed by skirting underneath it.

During periods of very low geomagnetic activity, areas of the Aurora Oval zones may only have a latitudinal thickness of approximately 300 miles. But radio signals reflected from the E-layer can travel over distances of as much as 300 to 1100 miles at heights below the ionosphere for low take-off angles of between 10 and 25 degrees. When the geometry is just right, the medium-frequency transmitted signal can literally propagate underneath and through the Aurora Oval zones into the polar ionosphere which is less disturbed and from the polar ionosphere back into the middle latitude ionosphere, without ever coming in contact with the highly absorptive Aurora Ionosphere. This type of propagation is not as rare as you might think and it can provide unusually stable polar region path openings to (TA) Transatlantic and (TP) Transpacific regions. But because the Aurora Oval zone expands and contracts constantly, such conditions often do not last very long.

Benjamin Dangerfield, Wallingford, PA <ben-dangerfield@verizon.net>

Barry & Thomas: Your explanations are interesting, but do you have to use so many big words? I am not a technical expert and get lost on trying to get the gist of this stuff. And in the same vein, are you also saying that long distance reception is worse in the summer because of different angles of the sun? I have always felt this to be the case, at least at inland locations like mine.

Thomas Giella <kn4lf@tampabay.rr.com>

I always try to explain propagation in layman's terms but at times it's hard to do sometimes without losing the meaning. I actually take a lot of criticism from my colleagues for simplifying propagation mechanism explanations. On my HF/MF propagation theory notes website I have posted:

.....I have attempted to keep the following propagation theory explanations in simple to understand layman terms, because long complicated technical explanations can be boring and make one's eyes glaze over. Unfortunately though sometimes while trying to keep things simple, certain definitions, meanings and technical aspects can get watered down or even lost, which tends to open me up to criticism from fellow space weather scientists that just don't understand the educational and public relations concept of keep it simple stupid (KISS) principle. I choose to use W6SAI's (SK) "KISS" method of writing and communicating. I have found that this method works best whether it be in teaching about Space Weather or Atmospheric Weather. I have an extensive teaching background in Space and Atmospheric Weather.....

In general stateside MF AM broadcast band signals are weaker in summer time, as there is less darkness and the D-layer is more ionized for a longer period of time due to the higher angle of the Sun, therefore more absorption. Also the F-layer is less ionized in Summer versus Winter due to different chemical reactions in the upper atmosphere. This effects long haul DX in a negative way because the F layer is the other half of the E-Valley/F Layer duct mechanism and also the medium for Chordal hop propagation.

John Wilke <J999w@aol.com>

What I'm noticing during auroral conditions:

- Reduced east coast station strength from here in the midwest, 600-800 miles.
- Increased strength of low power stations to the NW, W, and S of me generally from 400 to 600 miles out.

I'm thinking that because the auroral oval is to my north east, it's going to have a greater impact on stations to the NE and E of me, compared to stations W and S. For this reason, if the storm isn't too big, east coast signals are attenuated while signals west and south of me can reach me relatively unscathed giving the appearance that they are louder than normal.

Still, some of these 100 - 200 watters are reaching S9+20db during auroral conditions that I never seem to notice otherwise. It may be because I never bother to park on KDKA or such to see if they appear or not.

Still, I'll take a new station anyway I can get it.

Barry McLarnon <bdm@bdmcomm.ca>

Precisely - "if the storm isn't too big, east coast signals are attenuated while signals west and south of me can reach me relatively unscathed giving the appearance that they are louder than normal."

As you say, they give the appearance of being much stronger than normal, but I think that's just your receiver AGC pumping them up in the absence of your usual pests to the east. Presumably, you could accomplish much the same thing under more normal conditions if you were able to get an exceptionally deep null on the pests... ask Kaz for tips on that.:-)

David Hochfelder, Highland Park, NJ <david.hochfelder@rutgers.edu>

Here's my impressionistic and decidedly non-technical view of what happens to my DXing during auroras. During a strong aurora I lose the Chicago clears completely, and hear Venezuelans, Colombians and Cubans there, with Jamaica about a third of the time on 720 and 780. St. Kitts on 555 is somewhat improved, but there's not much on 550 or 560 that an aurora blocks to help QRM from those channels. Cleveland and Detroit clears are weaker but still present. Montreal, Toronto, and Boston stations are basically unchanged unless the aurora is very strong and reaches quite a bit southward.

So the aurora wipes out propagation from the west and not from the north, at least here in central NJ.

Thomas Giella <kn4lf@tampabay.rr.com>

<http://www.kn4lf.com/kpmap.gif>

Here is an image that I have on my propagation website at <http://www.kn4lf.com/kn4lf5.htm>. It shows you the geomagnetic latitude of the Aurora Oval versus the Kp value. At the height of the most recent geomagnetic storm of a few days ago the Kp was 9. You can see how far south (red line) that the Aurora reached and it can give you an idea of how your location was oriented for blanketing or blockage of MF AM broadcast band stations.

Professional Sports Networks

Barry S. Finkel bsfinkel@ANL.gov

10314 S. Oakley
Chicago, IL 60643-2409

Network listings for team sports stations

Here are some National Hockey League network lists. I am not sure that I have all of the lists, as I do not know what teams have radio networks. The Red Wings' web page has "DO NOT REPRODUCE", so I cannot include the list here. If you find a list online, please send me the URL instead of transcribing the network list therein, as I need to check for any "DNR" statements on the web page.

A reminder that I need National Basketball Association (NBA) flagship and network information.

Atlanta Thrashers 2003/4 Dan Kamal, Billy Jaffe

<http://www.atlantathrashers.com/MediaZone.aspx?Levels=8|2|10&CID01=1f832618-b2a8-4463-af3a-45001e0f49ad> (10/23/2003)

550	WDUN-GA	1270	WYXC-GA	1410	WLAQ-GA	
790	WQXI-GA *	1290	WCHK-GA		WPCC-SC	92.9 WZGC-GA b
	WSFN-GA	1300	WIMO-GA	1420	WRCG-GA	98.1 WMGP-GA
850	WCUG-GA	1340	WGAA-GA	1450	WKEU-GA	101.1 WTGA-GA
	WPTB-GA		WINZ-GA		WMVG-GA	102.3 WLKQ-GA
960	WRFC-GA	1350	WFNS-GA	1600	WFIS-SC	103.9 WDDK-GA
1050	WWIC-AL					

Boston Bruins 2003/4 Dave Goucher, Bob Beers (via Ken Onyschuk)

620	WZON-ME	1420	WBEC-MA	96.7	WQSO-MA
1030	WBZ -MA *				

Buffalo Sabres 2003/4 Rick Jeanneret, Jim Lorentz

<http://www.sabers.com/media/audio.html> (08/___/2003) (via Art Blair)

610	CKTB-ON	1360	WOEN-NY	100.1	WBRR-PA	107.7	WNSA-NY *
1240	WJTN-NY						

Detroit Red Wings 2003/4 Ken Kal, Paul Woods

http://www.detroitredwings.com/thewings/frontoffice/media_affiliates.asp (08/12/2003) (via Art Blair)

DO NOT REPRODUCE

Carolina Hurricanes 2003/4 Chuck Kaiton

<http://www.carolinahurricanes.com/schedule/tvlisting.asp> (08/12/2003) (via Art Blair and Ken Onyschuk)

570	WDNZ-NC *	910	WSTK-NC		101.1	WKXU-NC *
600	WSJS-NC	1240	WCNC-NC	97.9	WRUP-NC	102.3 WKIX-NC *
630	WMFD-NC	1260	WZBO-NC	98.3	WDLZ-NC	106.1 WNMX-NC

Columbus (OH) Bluejackets 2003/4 George Mathews, Bill Davidge

http://www.bluejackets.com/news/radio_tv.php (08/27/2003) (via Art Blair)

930	WEOL-OH	1330	WFIN-OH		WMOA-OH	94.3	WKKI-OH
990	WTIG-OH	1390	WBLL-OH		WMRN-OH	95.3	WLKR-OH
1240	WBBW-OH	1430	WCLT-OH	1600	WULM-OH	100.9	WJAW-OH
1270	WUCO-OH	1460	WBNS-OH *			101.1	WWCD-OH *
1320	WLOH-OH	1490	WBEX-OH	92.7	WQEL-OH	102.5	WHIZ-OH

Florida Panthers 2003/4 Jeff Rimer, Denis Potvin, Jiggs McDonald, Randy Moller, Steve Goldstein

<http://www.floridapanthers.com/pressbox/broadcasting/panthersradio.shtml> (08/13/2003) (via Art Blair and Ken Onyschuk)

560	WQAM-FL *	770	WWCN-FL	1330	WJNX-FL	1600	WKWF-FL
610	WIOD-FL	940	WRFX-FL				

Nashville Predators 2003/4 Pete Weber, Terry Crisp

<http://www.nashvillepredators.com/pressbox/radio.html> (08/13/2003) (via Art Blair)

540	WJQI-TN	1340	WBGK-KY	1400	WWTM-AL	99.7	WWTN-TN *
1230	WMLR-TN	1370	WDEF-TN	1440	WCDS-KY		

Saint Louis Blues 2003/4 Kelly Chase, Bernie Federko

<http://www.stlouisblues.com/affiliates/ktrs.html> (08/___/2003) (via Art Blair)

940	WMIX-IL	1340	KSMO-MO	88.7	WSIE-IL		
1150	KRMS-MO	1360	WVMC-IL	93.1	KBDZ-MO	100.9	KTUI-MO
1220	KGIR-MO	1400	KGMV-MO	93.9	KSSZ-MO	103.9	KMCR-MO
1230	WHCO-IL	1520	KRHW-MO	96.7	WCXO-IL	104.3	KDBB-MO
1240	KLIK-MO	1580	KTGR-MO	97.9	KFBD-MO	104.5	KSLQ-MO
						105.1	WGEM-IL

San Jose Sharks 2003/4 Dan Rusanowsky, Pete Stelmowski

http://www.sjsharks.com/sharks/tv_radio/affiliates/ (08/___/2003) "San Jose Mercury News" (10/12/2003) (via Art Blair and Bob Karchevski)

950	KAHI-CA	1340	KATA-CA	1460	KION-CA	1670	KNRO-CA
970	KESP-CA	1380	KTOM-CA	1490	KRKC-CA		
1270	KXBX-CA	1430	KFIG-CA a	1660	KTIQ-CA	98.5	KUFY-CA *

* = flagship station

a = This station is in the Bob Karchevski list but not the Art Blair list.

b = Saturday night games only

c = conflict station



ALL RADIO All Radio, a supplement to the DX Audio Service, replaces the After Dark series. Now available on two C-100 tapes, you'll find an interview with Dave Graupner, CEO of TM/Century, about the radio and TV jingle business ... John Bowker with an article on how Clear Channel Radio's competition are starting to copy what they do ... Ken Onyschuk with an article about jazz radio in Chicago ... John Malicky giving us a tour of 540-CBEF (CBC French) in Windsor Ontario ... Mark Durenberger telling about some CBS Milestones ... John Bowker on about FCC rules and regulations ... Fred Vobbe talking about D.R.M. ... A story about a group of people that are trying to get ads pulled out of the Russ Limbaugh show ... From N.P.R., a piece on the consolidation of radio and old time radio ... How Del Rio, Texas, is proposing to give Wolfman Jack a tribute with a large statue ... Fred Vobbe with two stories on EAS fines and regulations, and finally, on the entire side second side of tape 2, Fred talks with Leonard Kahn, of Kahn Communications about digital MW radio. Order Item ART-1. U.S.A Price \$5.00; Canada \$7.00; Overseas \$9.00. Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.

Graveyard Achievements

Distance records for stations logged on graveyard frequencies

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



Logged from Jan 1, 1960 to Present
Date of Last Update: September 22, 2003
& indicates record held by DXer from the Caribbean
indicates record held by DXer from Alaska or Hawaii
* indicates record held by DXer from North America (excluding Alaska)

Station	City	DXer	DX Location	Miles
WKUL	AL	Cullman	Ron Bailey	308
WXOR	AL	Florence	Charles Reh	572
WMRK	AL	Selma	Barry McLarnon	1077
WFEB	AL	Sylacauga	Steve Francis	222
AFRN	AK	Ft. Yukon	Frank Merrill	#178
KIKO	AZ	Miami	Art Blair	681
KPGE	AZ	Page	Phil Bytheway	924
KENT	AZ	Prescott	Don Kaskey	562
KBTA	AR	Batesville	Phil Bytheway	1769
KZNG	AR	Hot Springs	Wayne Heinen	717
KCAT	AR	Pine Bluff	Barry McLarnon	1154
KBRS	AR	Springdale	Charles Reh	738
KATA	CA	Arcata	Carl Dabelstein	#2433
KATA	CA	Arcata	Phil Bytheway	*475
	CA	Cathedral City		
KBOS	CA	Fresno	Phil Bytheway	761
KAVC	CA	Mojave	Tim Hall	735
KSFE	CA	Needles	John Johnson	821
KORV	CA	Oroville	Frank Merrill	#2056
KEWE	CA	Oroville	Tim Hall	*538
KATY	CA	San Luis Obispo	Frank Merrill	#2347
KGLW	CA	San Luis Obispo	Tim Hall	*490
KIST	CA	Santa Barbara	Tim Hall	*564
KOMY	CA	Watsonville	Tim Hall	408
KDEN	CO	Denver	Esa Hänninen	4537
KKYD	CO	Denver	Art Blair	*867
KQIL	CO	Grand Junction	Olle Alm	4535
KWSL	CO	Grand Junction	Jack Woods	#1753
KTMM	CO	Grand Junction	Art Blair	*676
KVRH	CO	Salida	John Johnson	456
WNHC	CT	New Haven	Niel Wolfish	365
WOOK	DC	Washington	Andy Rugg	488
WTAN	FL	Clearwater	Don Voorhies	1128
WWFL	FL	Clermont	Shawn Axelrod	23
WROD	FL	Daytona Beach	Andy Rugg	1197
WDSR	FL	Lake City	Barry McLarnon	1116
WPBR	FL	Lantana	Tim Hall	176
WTYS	FL	Marianna	Ernie Wesolowski	953
WPBR	FL	Palm Beach	Ernie Cooper	1198
WSEB	FL	Sebring	Ron Schiller	119
WGAU	GA	Athens	Russ Edmunds	691
WBBQ	GA	Atlanta	Carl Dabelstein	831
WBBQ	GA	Augusta	Russ Edmunds	661
WGAA	GA	Cedartown	Ron Bailey	228
WOKS	GA	Columbus	Barry McLarnon	1019
WBET	GA	Lyons	Ron Bailey	216
WALH	GA	Mountain City	Steve Francis	66
WTIF	GA	Tifton	Ron Schiller	811
KSKI	ID	Hailey	Mike Hardester	537

KSGR	ID	Nampa	Esa Hänninen	Lemmenjoki, Finland	4449
KTIK	ID	Nampa	LEM96	Lemmenjoki, Finland	(Tie) 4449
KTIK	ID	Nampa	Shawn Axelrod	Winnipeg, MB	*1004
KACH	ID	Preston	Phil Bytheway	Seattle, WA	637
WSOY	IL	Decatur	Olle Alm	Abisko, Sweden	4107
WSOY	IL	Decatur	Barry McLarnon	Ottawa, ON	*768
WHPI	IL	Herrin	Shawn Axelrod	Winnipeg, MB	913
WJOL	IL	Joliet	Esa Hänninen	Lemmenjoki, Finland	4114
WJOL	IL	Joliet	Shawn Axelrod	Winnipeg, MB	*714
WBIW	IN	Bedford	Barry McLarnon	Ottawa, ON	707
WTRC	IN	Elkhart	Denis Picard	Trois-Rivières-Ouest, PQ	737
WXFN	IN	Muncie	Barry McLarnon	Ottawa, ON	605
KROS	IA	Clinton	Barry McLarnon	Ottawa, ON	760
KLIL	IA	Estherville	Ernie Wesolowski	Omaha, NE	165
KFKF	KS	Kansas City	Esa Hänninen	Lemmenjoki, Finland	4396
KFKF	KS	Kansas City	Shawn Axelrod	Winnipeg, MB	*714
KSEK	KS	Pittsburg	Shawn Axelrod	Winnipeg, MB	858
WCMI	KY	Ashland	Joe Fela	Newark, NJ	477
WNBS	KY	Murray	George Santulli	Cranford, NJ	809
WEKY	KY	Richmond	Ron Schiller	Monmouth Beach, NJ	583
	LA	Bastrop			
WMDR	ME	Augusta	Barry McLarnon	Ottawa, ON	304
WDME	ME	Dover-Foxcroft	Don Voorhies	Oswego, NY	381
WGAW	MA	Gardner	Barry McLarnon	Ottawa, ON	269
WNBH	MA	New Bedford	Christian DeHaes	Chicoutimi, PQ	466
WBRK	MA	Pittsfield	Jeff Falconer	Clinton, ON	428
WLAV	MI	Grand Rapids	Bruce Conti	West Warwick, RI	763
WCSR	MI	Hillsdale	George Santulli	Cranford, NJ	575
WMTE	MI	Manistee	Barry McLarnon	Ottawa, ON	522
WAGN	MI	Menominee	Ron Schiller	Monmouth Beach, NJ	766
WMBN	MI	Petoskey	Shawn Axelrod	Valhalla Beach, MB	665
WEXL	MI	Royal Oak	Barry McLarnon	Ottawa, ON	416
KQBR	MN	Brainerd	Don Trelford	Runaway Bay, JMC	2159
KDLM	MN	Detroit Lakes	Andy Rugg	Waterloo, ON	781
KROC	MN	Rochester	Jeff Tynan	Parker, CO	704
KWLM	MN	Willmar	John J. Rieger	South Milwaukee, WI	389
WAML	MS	Laurel	Ernie Wesolowski	Omaha, NE	767
KXEO	MO	Mexico	Andy Rugg	Montreal, QC	1028
KLID	MO	Poplar Bluff	Charles Reh	Leamington, ON	552
	MO	Salem			
KICK	MO	Springfield	Dave Whatmough	Hamilton, ON	822
	MT	Helena			
KPRK	MT	Livingston	Carl Dabelstein	Omaha, NE	817
KATL	MT	Miles City	Ernie Wesolowski	Omaha, NE	599
KATL	MT	Miles City	Carl Dabelstein	Omaha, NE	(Tie) 599
KYLT	MT	Missoula	MB DXPedition &	Arnes, MB	819
KHUB	NE	Fremont	Charles Reh	Leamington, ON	716
KGFW	NE	Kearney	Olle Alm	Abisko, Sweden	4265
KGFW	NE	Kearney	Art Blair	Folsom, CA	*1179
KSID	NE	Sidney	Olle Alm	Abisko, Sweden	4309
KSID	NE	Sidney	Shawn Axelrod	Winnipeg, MB	*654
KTSN	NV	Elko	Tim Hall	Chula Vista	574
KRAM	NV	Las Vegas	Frank Merrill	Nenana, AK	#2409
KRLV	NV	Las Vegas	Tim Hall	Yellowstone Lake Village, WY	*629
KBET	NV	Reno	Nancy Johnson	Aberdeen, WA	553
WDCR	NH	Hanover	Jeff Falconer	Clinton, ON	464
WMID	NJ	Atlantic City	Esa Hänninen	Lemmenjoki, Finland	3961
WMID	NJ	Atlantic City	Bill Dvorak	Madison, WI	*817
KCEM	NM	Aztec	Olle Alm	Abisko, Sweden	4681
KNDE	NM	Aztec	Ernie Wesolowski	Omaha, NE	*706
KSSR	NM	Santa Rosa	Glenn Hauser	(near) Vega, TX	123
KSIL	NM	Silver City	Phil Bytheway	Seattle, WA	1262
KKIT	NM	Taos	Phil Bytheway	Seattle, WA	1154
WMBO	NY	Auburn	Esa Hänninen	Lemmenjoki, Finland	3786
WMBO	NY	Auburn	Charles Reh	Leamington, ON	*311
WENT	NY	Gloversville	Jeff Falconer	Clinton, ON	363
WKSJ	NY	Jamestown	Andy Rugg	Montreal, QC	367
WLVL	NY	Lockport	Carl Dabelstein	Lincoln, NE	932

22					
HRH6	HON	San Pedro Sula	Ron Schiller	Lighthouse Point, FL	920
BBC	UK	Lisnagarvey	Ron Schiller	Monmouth Beach, NJ	3190
—	CHN	Guangzhou	Pete Taylor	Hong Kong	95
BEC48	CHN	Matsu	Frank Merrill	Nenana, AK	#4627

- Manitoba DXpedition & = [Shawn Axelrod, Wayne McRae]
- LEM96 = [Mika Makelainen and Jorma Mantyla]

Omahan helped create top-40 radio format

By Betsie Freeman, Omaha World-Herald

via Ernie Wesolowski

When George W. Armstrong worked at Omaha's KOWH-AM in the early 1950s, each announcer had to play all the top 10 hits during his daily show.

In the era of network shows and soap operas, owner Todd I. Storz thought it would set the station apart.

He was right. By 1951, KOWH was the top-rated independent station in the nation, and Storz had launched a radio industry revolution.

When Storz Broadcasting bought WTIH-AM in 1953, the company sent Armstrong to New Orleans as the station's general manager. A competitor played the top 20 hits in between network programming.

With Storz, Armstrong figured that if 20 hits were good, then 40 continuous hits were better.

He was right. Ratings at WTIH "went right through the roof - a rocket ride," said Richard Fatherley, a Kansas City, Mo., broadcasting veteran who has researched Storz Broadcasting's history.

So the top-40 format was born. And Armstrong, a Chicago native who moved to Omaha as a child, was one of its fathers. Armstrong, 76, died this week at an Omaha hospital of congestive heart failure.

Credit for creating the format goes to Todd Storz, but Armstrong "pulled it all together and put it on the air," Fatherley said.

The format really took off when Armstrong installed it on another Storz station, WHB-AM in Kansas City. When WHB lured nearly 50 percent of the audience, it gained national attention.

"They had radio operators from all over the country coming into town, holed up in hotel rooms and recording this station," said Fatherley, who was program director for WHB in the late 1960s.

Armstrong got his start in radio when he was

16 as a DJ at WOW-AM. He graduated from Creighton Prep and earned a bachelor's degree from Creighton University and a master's degree in broadcast journalism from Northwestern University in Evanston, Ill.

He spent his entire career with Storz, returning in 1967 to the home office in Omaha. He was named executive vice president of the company at age 27. In his mid-30s, he was the youngest chairman of the National Association of Broadcasters Radio board of directors.

It was a fulfilling career, said son Bill of Dalias, and not just for dad. Armstrong's kids met people their peers could only dream of - the Beatles, the Animals, the Monkees. Bill Armstrong said he still has a set of drumsticks he got from Dennis Wilson of the Beach Boys.

"The Dave Clark Five - when I was growing up, we stayed in the same hotel and had a blast with those guys," Bill said.

George Armstrong knew Judy Garland and Julie London, and once brought his mother from Omaha to New Orleans expressly to meet Ginger Rogers, his son said.

He also forged a friendship with Harry Truman when the former president had offices in the same building as WHB. They met when Truman rear-ended Armstrong's car.

"Dad was furious" until he realized who it was, Bill said.

Besides his son, Armstrong is survived by his wife of 51 years, Katherine McDivitt Armstrong; sons Bob of Omaha, Jim of Overland Park, Kan., and Tim of Dallas; daughters Sharon Kammandel of Omaha, Kathy Dussault of Los Angeles; Susan Forde of Denver and Kay Kirkvold of Sioux Falls, S.D.; and six grandchildren.

Musings

of the Members

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

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Scranton, PA 18505-0111

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

Here is the column which is almost as exciting as filament wire! When sending in your reports, please keep them DX- and radio-related. This is a good place to exchange tips for things you've found that really work well with your DXing; feel free to share it with the others! We're looking for reports from members in the NORTHEAST during the month of November so feel free to send in a report! Here we go:

Herbert Newberry - 107 Trojan Circle NE - Milledgeville, GA 31061-6421

On 10/19 I took the chance to do some 'last minute' work on the two outdoor antennas for the winter DX season. Living now on a small 2-acre semi-suburban lot with overhead powerlines required some creativity to minimize interference. Luckily the backyard has some good physical dimensions, so a 3-wire system was employed to get as omni-directional as possible, one E, one W/SW and one SE, about 300 feet total. Using a Quantum phasor to phase against a Quantum QX Pro loop, the best possible arrangement. In Newborn, I had 6 acres to string 2 long wire antennas for phasing, but on this 'small' plot, this current arrangement is satisfactory. It appears this area is the right environment for lizards; one found a nice hiding place in my equipment rack that I carry tools in to work on outdoor antenna projects. When I put my hand in the bag for a pair of wire cutters, the lizard ran up my arm, down my back and ran up the support pole for the antenna where I was standing! Another one got through the window where the feed line comes into the house and jumped on top of the Kenwood R5000, the perfect warm spot! It left when a hand approached it, though. Heard both new X-Banders on 1690, WSWR by day, WRLL by night. WSWR is currently on in Adel, GA, just N of Valdosta, with announcements for "Wild Adventures" theme park. WRLL in the SW suburb of Chicago is a Clear Channel O&O with a mix of oldies and nostalgia; a report has been some to them via WGCI-1390. That's all for now; good DX for one and all! 73

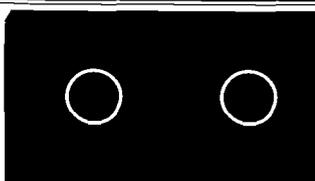
Dave Schmidt - P O Box 3111 - Scranton, PA 18505-0111

Does anyone have the perfect area for AM radio reception? It seems that the overall 'noise floor' has really increased in the past 10 years or so, which would show up in the 'quiet' spots on the dial, where you would hear more hash or 'white noise'. When I was in SC (west of Conway) in 1996, I had an R392 hooked up to a phasing unit and 2 longwire antennas, but was able to hear a faulty street light about 1/2 mile away going on/off all night (I had it shut off by the electric company when it was found at a vacation house when no one was there, said it was a fire hazard). But there was still a slight noise floor there, from power lines almost a mile away, but it was some interesting listening there. And I'm sure in the more metro areas, the power companies are using their own lines for sending short haul data. And I know in the apartment I have, the noise from lights and computers elsewhere in the building have made the AM band useless for any serious listening (I hope you're in a quiet spot, HARRY HAYES!), plus being within a mile of WITK-1550 doesn't help (but WQEW-1560 makes them unlistenable most nights). WGCI-910 is within 3 miles also. WPCN-1590 has been noted with an oldies format now, dropping country and IDing as "Variety 1590". Looking for reports for our NORTHEASTERS theme for November! Send in your reports!

DAVE

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