

# DX News

Serving DX'ers since 1933



Volume 71, No. 18 - February 9, 2004 (ISSN 0737-1659)

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### CPC Test Calendar

WRIB	RI	1220	daily	0255-0305
WQMA	MS	1520	Feb. 15	0000-0200

*From the Publisher . . .* We're back to 24 pages, finally, thanks to timely contributions from members and editors.

Ron Musco says that if you want to renew for more than one year, three or 25, it's fine with him. But make out the check to "National Radio Club", not him. He means it. And don't send him cash, either, unless you're making a donation to the Membership Center Improvement Fund.

So far, none of the "regulars" nor "irregulars" has volunteered to represent the NRC at Kulpsville during the weekend of March 12-13. It's not a huge imposition on your time - it involves manning a table, putting up the NRC banner, selling a few NRC publications, taking membership applications, letting attendees steal handfuls of DXN's; that sort of thing. And best of all, meeting new friends in the person of DX'ers who speak the same "language" you do, even though they may not be on the same "frequency". Let Ken Chatterton know ASAP if you're interested (address on back page).

Les Rayburn has a request: "I'm planning to write an article as an update to the 1974 article on DXing the Graveyard Channels. As a relatively inexperienced DX'er, I thought it wise to consult with some of the top names on Bill Hale's list. I'm inviting responses to the following questions from anyone willing to contribute:

1. How long has it taken you to get to your current number of graveyard loggings?
2. What time of day do you find most productive for DXing the Graveyard channels? Why?
3. Are there any types of antennas or receiver settings that you find helpful for these crowded channels?
4. Do you often tune in ECSS mode or use sync detection on these channels?
5. What is your most memorable graveyard logging?
6. It's been reported that summertime can be a productive time of year to DX the graveyard channels. Do you think there is any truth to this, and if so, why?
7. How do AU conditions affect the graveyard

channels? Do you find these times to be productive for new loggings?

8. Have you found phasing to be a useful technique on these channels?

9. What tips or insight could you offer to other DX'ers, especially newcomers who want to DX the local channels?"

Send your responses to Les Rayburn - Centerview Drive Suite 111 - Birmingham, AL 35216, 205-824-8930, (cell) 205-253-4867, or see <http://www.highnoonfilm.com>.

*Welcome to these new members:* Harlan E. Long - Colorado Springs, Co; Caroline Griffin - Bainbridge, GA; Michael East - Westover, MD; James Borek - Niles, IL; John Hunter - Rossvile, GA; David Visser - Ijssel, Netherlands; Charles Smiley - Northridge, CA; Chris Davis - Clayton, NC; Tim Cook - Fairborn, OH; Ray Robinson - Stevenson Ranch, CA; Jonathan Curran - Woonsocket, RI.

### DXN Publishing Schedule, Volume 71

Iss.	Deadline	Pub. Date	Iss.	Deadline	Pub. Date
19.	Feb. 6	Feb. 16	25.	April 16	April 26
20.	Feb. 13	Feb. 23	26.	May 7	May 17
21.	Feb. 20	Mar. 1	27.	June 4	June 14
22.	Feb. 27	Mar. 8	28.	July 2	July 12
23.	Mar. 12	Mar. 19	29.	Aug. 6	Aug. 16
24.	April 2	April 12	30.	Sept. 10	Sept. 20

### DX Time Machine

#### From the pages of DX News:

50 years ago . . . from the February 6, 1954 DXN: Gene Cameron, Spokane, WA reported that his verie from CFHR-1230, Hay River, NWT stated that he was the only one to hear their DX broadcast of 1/11/54, and the only listener in the U. S. to ever have positively identified their station.

25 years ago . . . from the February 12, 1979 DXN: Don Erickson's DDXA column listed a number of NRC members who started DX'ing before 1940: Ernest Cooper, MA (1932); Eugene Allen, CA (1923); Steve Bezilla, PA (1924); Frank Wheeler, PA (1930); Dennis Pimper, UT (1939); Peter Clarius, NJ (1931); Ross Hansch, WI (1921); Roger Anderson, DC (1938); and Morton D. Meehan, CA (1932).

10 years ago . . . from the February 7, 1994 DXN: Tony Fitzherbert's "Station Profile" column featured WMAS-1450 Springfield, MA.

# AM Switch

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

### CALL LETTER CHANGES

	Old call		New call
1170	KENT	HI Honolulu	KJPN
1250	KEYT	CA Santa Barbara	KZER
1370	KJPN	HI Pearl City	KENT



### GRANTS FOR NEW STATIONS

1030 K TX Tye - **Granted U4 5000/370.** Tye is a western suburb of Abilene. The original application for this facility was submitted in March of 1987! Talk about a long wait . . .

### GRANTS TO EXISTING FACILITIES

- 640 WJNA FL **Royal Palm Beach** - **Granted CP** for U4 25000/25000 from a new six tower site at N26-32-30 W80-44-30.
- 670 WRJR VA **Claremont** - **Granted** nighttime operation. Will be U4 20000/3.
- 880 KKMC CA **Gonzales** - This covers an increase in night power. When built, will be U4 10000/10000.
- 900 WFIA KY **Louisville** - Coordinate adjustment to N38-16-17 W85-42-24.
- 980 WPGA GA **Perry** - Station is licensed for U1 5000/270. They had applied to move to Macon, Georgia with U1 1000/18. However, they later applied to remain in Perry with U1 2600/80, which now is approved. The CP for the move 'back' to Perry covers using the original tower but adding an additional 193' in height by installing a "three-wire folded unipole with insulators in the guy wires", as well as a new 1/4 wavelength ground system, and changing from a Class B to a Class D station (less than 250 Watts at night) waiving their right to nighttime interference protection. They also received a PSRA of 500 Watts, with the addition of a PSSA at a later time.
- 1440 WYGH KY **Paris** - **Granted CP** to add nighttime service, becoming U1 1000/25.
- 1450 KBMW MN **Breckenridge** - Coordinate adjustment to N46-16-50 W96-35-17.
- 1470 KNXN AZ **Sierra Vista** - Coordinate adjustment to N31-32-55 W110-14-40.
- 1590 KELP TX **El Paso** - CP is for an increase in daytime power to become U4 50000/800.
- 1600 KUBA CA **Yuba City** - Coordinate adjustment to N39-06-22 W121-39-18.

### APPLICATIONS FROM EXISTING FACILITIES

- 570 WMAM WI **Marinette** - Application is for an decrease in day and night power levels, to become U1 197/100.
- 730 WMTC KY **Van Cleve** - Applies to add one tower and increase daytime power to become U5 13000/50.
- 1040 WCHR NJ **Flemington** - Applies to erect two additional towers for U7 15000/2500 CH 7500 operation.
- 1060 WKNG GA **Tallapoosa** - Application covers an increase in daytime power and adds CH operation. Would become U1 50000/0 CH 5000.

### ENGINEERING AMENDMENTS TO CONSTRUCTION PERMITS SUBMITTED

- 1350 WWRN NC **Black Mountain** - Licensed for U1 1000/74, station had a CP for U4 1000/35 from a new location. This amendment is for U1 10000/56.

### LICENSE RENEWAL APPLICATIONS

580	WELO	MS	Tupelo	790	KURM	AR	Rogers
610	KARV	AR	Russellville	790	WGRA	GA	Cairo
640	KTIB	LA	Thibodaux	800	KAGH	AR	Crossett
690	KEWI	AR	Benton	800	KVOM	AR	Morrilton
730	WASO	LA	Covington	840	WHGH	GA	Thomasville
760	KMTL	AR	Sherwood				

850	WLRC	MS	Walnut	1330	WNIX	MS	Greenville
880	KGHT	AR	Sheridan	1340	WKOZ	MS	Kosciusko
970	WRKN	MS	Brandon	1360	KLYR	AR	Clarksville
980	KCAB	AR	Dardenelle	1360	KNIR	LA	New Iberia
980	WAPF	MS	McComb	1360	WFFF	MS	Columbia
1010	WMOX	MS	Meridian	1400	KELD	AR	El Dorado
1050	KJBN	AR	Little Rock	1400	WFPR	LA	Hammond
1060	WKGQ	GA	Milledgeville	1410	KTCS	AR	Fort Smith
1110	KTTP	LA	Pineville	1420	KXOW	AR	Hot Springs
1120	KTWZ	MS	Clinton	1450	KSIG	LA	Crowley
1140	WAKK	MS	McComb	1450	WCJU	MS	Columbia
1180	WJNT	MS	Pearl	1460	KBSF	LA	Springhill
1220	WOEG	MS	Hazelhurst	1460	WELZ	MS	Belzoni
1230	WCMA	MS	Corinth	1480	KTHS	AR	Berryville
1240	WEBJ	AL	Brewton	1480	KIOU	LA	Shreveport
1240	WWZQ	MS	Aberdeen	1490	KWXT	AR	Dardanelle
1240	WGCM	MS	Gulfport	1490	KDRS	AR	Paragould
1250	KOFC	AR	Fayetteville	1490	WRMT	MS	Vicksburg
1260	WGVM	MS	Greenville	1500	WMNT	PR	Manati
1270	KVCL	LA	Winnfield	1540	KDYN	AR	Ozark
1290	KDMS	AR	El Dorado	1560	WSLA	LA	Slidell
1300	KSYB	LA	Shreveport	1570	WIZK	MS	Bay Springs
1310	KBOK	AR	Malvern	1580	WAMY	MS	Amory
1320	KNCB	LA	Vivian	1580	WESY	MS	Leland

### ODDS AND ENDS

- It has been reported that WLNR-1230 Kinston, North Carolina, WION-1430 Ionia, Michigan and KAMI-1580 Cozad, Nebraska have gone silent. Going the other way . . . WNKX-1570 Centerville, Tennessee has been reported to be back on the air. Format is syndicated talk - NOT parallel to WNKX-FM 96.7 - which remains country.
- Reports indicate WHOW 1520 kHz Clinton, Illinois is back on with a regular schedule and has settled on a new format. That being adult contemporary, with a varied play list. According to station manager conversations broadcast on the morning program, the locals in Clinton aren't too happy with the new format, as they had programmed C&W prior to their demise over a year ago. Network news is from CBS. Weather is provided by WILL-TV/Radio in Urbana in exchange for program promotions. IDs include the AM and FM frequencies, so they are probably simulcasting. They also have a bit of local news immediately after CBS News. That local news seems to be the only locally-sponsored programming they have so far.
- After changing calls from WGSE, WVCC-720 Hogansville, Georgia has dropped everything except Fox Sports for the Atlanta market. They are now totally satellite-fed, and no longer // WGST-640 at times.
- WGGM-820 Chester, Virginia (suburban Richmond) has been fined \$19,600 by the FCC for numerous violations, one of which was exceeding authorized nighttime power limits.
- DX Tip: The "Oldies Radio Network" has replaced the "Boss Radio" Network in Kentucky. The following stations comprise the network: WPRT-960 Prestonburg; WPKE-1240 Pikeville; WFTG-1400 London; and WBPA-1460 Elkhorn City. All are now OLD/SPT format with CNN/WW1 affiliation. IDs at :59 include the network list, then CNN at the top-of-the-hour. Promos consist of mentions of their large coverage areas and program content.
- Thanks, and a flip of the old AM Switch ear muffs go to Wayne Heinen, Herb Newberry, Doug Smith, and Jerry Starr.

### GRAVEYARD DX UPDATE

Remember all the GY DX records are on line at: [www.angelfire.com/tx2/phantom2/index.html](http://www.angelfire.com/tx2/phantom2/index.html)

1400 kHz:							Miles
KCLA AR Pine Bluff	Bruce Winkelman	Tulsa, OK					260
KWLA LA Many	Bruce Winkelman	Tulsa, OK					343
KEYL MN Long Prairie	Bruce Winkelman	Tulsa, OK					687
1490 kHz:							
KNEL TX Brady	Bruce Winkelman	Tulsa, OK					391
Totals:	1230	1240	1340	1400	1450	1490	Total
Bruce Winkelman - Tulsa, OK	9	8	2	11	8	8	46
Les Rayburn - Helena, AL	9	9	12	3	5	3	41

# Domestic DX Digest

West: Harry Helms ak6c@earthlink.net

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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

### RANDOM STUFF

- Please note my new address, effective February 10. I'm moving from my condo to a house a couple of miles further west. And of course my new house has no CC&Rs against outside antennas!!
- The next frequency challenge is 1180 (due February 11). Listen and report!
- Why not share your latest DX with your fellow NRCers? Please follow the format you see below, including *all* pertinent information—frequency, call, state, city, date and time of reception, and details of your catch. Please use ELT for all times, regardless of your local time zone.

### REPORTERS.

- DP-HI** Dale Park, Honolulu. Sangean ATS-818CS, Terk AM1000 loop.
- GB-FL** Gerry Bishop, Niceville. Drake R8, Sony ICF-2010, 20-meter wire, Palomar and Radio Shack loops.
- JJR-WI** John J. Rieger, South Milwaukee. Icom R75, GE Superadio III, Kiwa loop, MFJ-959B.
- KR-AZ** Kevin Redding, Mesa. Hallicrafters SX99, CC Radio, Space Magnet-2 antenna.
- SA-MB** Shawn Axelrod, Winnipeg. Drake R8, Icom R70, 4-foot loop, Quantum loop, 155- and 100-foot wires, MFJ-1026 phaser.
- WH-CO** Wayne Heinen, Aurora. Drake R8B, N/S flag, E/W flag, SuperPhaser, a few random wires.
- Ed.-NV** Su Redactor, Las Vegas. Drake R8B, Sony ICF-2010 w/Kiwa filters, Quantum loop & phaser.

### FREQUENCY CHALLENGE RESULTS—1120 kHz

- 1120 KPNW OR Eugene. 1/27 0559. Message from Clear Channel Radio; ID "Depend On Us, Your 24-Hour News and Information Station, Newsradio 11-20 KPNW Eugene-Springfield," pause, ABC-I news w/Doug Limerick. Fair to good; possible UNID way underneath. (DP-HI)

### STATION NEWS, CHANGES, ETC.

- 580 CKY MB Winnipeg. 1/21 0700. The last day for CKY AM. They had lots of guests on air and veteran morning man Don Percy signed off the station. Interesting things were that from 0800 until 1000 CKY-FM 102.3 simulcast CKY AM 580. At 1000 CKY AM signed off and 102.3 CKY-FM signed on about 30 seconds later. They are using "102 Clear FM" slogan. CKY AM is allowed to stay on up to 3 months simulcasting FM which is what they are doing now. Clear FM is playing AC music from "the 80's 90's and now." CKY AM's second last song was "American Pie," all about the day the music died. The last song was a tribute written by a local singer to the station. CKY FM signed on with what else... "I Can See Clearly Now." (SA-MB)
- 1240 KAMQ NM Carlsbad. 1/23 1900 ending REL:AC music "1240 AM is KAMQ Carlsbad New Mexico K-? Your Christian Broadcasting station" and straight to more music. Slogan with a K was unintelligible on multiple playbacks but no longer Q-1240 New for me. (WH-CO)
- 1450 KGFF OK Shawnee. 1/21 0700. "You found a friend, Legends 1450 Shawnee" and faded. Add this slogan to your LOG. New for me. (WH-CO)

### REGULAR DX LOGGINGS (times in ELT)

- 580 KSAZ AZ Marana. 1/26 2200. Call sign ID out of NOS music to ABC News. (WH-CO)
- 580 WGAC GA Augusta. 1/21 0710. Poor but nice, steady signal w/calls, news. (JJR-WI)
- 810 WTHV GA Hahira. 1/20 1927. Logged thanks to an email DXtip. On the air late with

- "Solid Gospel" and continuous gospel music. Quite strong, and NEW! (GB-FL)
- 840 WHAS KY Louisville. 1/23 0400. "News Radio 84, Kentuckiana's News Station." Mentioned Clear Channel and then a woman began reading the news. This is a pretty good haul from Arizona and for American domestic DX. (KR-AZ) Agreed, Kevin; it's been years since I last heard them. (Ed.-NV)
- 890 WLS IL Chicago. 1/24 1845 with Sean Hannity talking about illegal immigration. (KR-AZ)
- 1120 KANN UT Roy. 1/23 0350 playing its standard religious music format. (KR-AZ)
- 1130 KWKH LA Shreveport. 1/24 1937. South Carolina Gamecocks v. LSU Tigers basketball game. The Tigers blew a 3 point lead at the end and the Gamecocks won! As they say in Columbia, South Carolina "You can't \*\*\*\* \* \* \* \*!" (KR-AZ) Hey, Kev, is that time right? And, as someone who grew up in SC, I can confirm that yes, they really do say that in Columbia—but there's no way Paul will let me print that in this column, hi! (Ed.-NV) (Right - even though my mother flipped off a bad driver this morning while we were on the way to lunch, I gotta keep DXN pristine for the younger readers - those under 35, hi -pls.) E-mail me if you're curious about what those asterisks stand for! (Ed.-NV)
- 1240 KRAL WY Rawlins. 1/23 0700. Faded up with KIQZ, KRAL Id to ABC News New for me. (WH-CO)
- 1270 KJUG CA Tulare. 1/24 2000 playing classic country and then TOH ID ABC News and then ad for Cleveger Ford in Porterville. (KR-AZ)
- 1270 WKZT KY Fulton. 1/19 2111. Ending news, into weather (low of 14, snow, low tomorrow night 17. Brrrr.) "Thank you for listening to WKZT" and into a C&W playlist. Stayed on top of frequency for a surprisingly long time. (GB-FL)
- 1270 WNLS FL Tallahassee. 1/20 0732. Among my nearest unheard stations, has eluded me for years. Finally made the Niceville log with "in the WFLA newsroom, Tallahassee police this morning..." This is one of the several stations using the WFLA "brand." (GB-FL)
- 1310 KTCK TX Dallas. 1/25 0900. "The Ticket KTCK 1310 Dallas KTBK 1700 Sherman" and faded under KFKA First time for this call here. (WH-CO)
- 1310 KXTN TX San Antonio. 1/24 2358. "KXTN San Antonio Radio Tejano" ID and SS music. In and out most of the morning with EE/SS programming. New for me. (WH-CO)
- 1320 WAGF AL Dothan. 1/25 1758. Another of my nearest unheards joins the logbook with gospel music and IDs solely as "Gospel 1320." Stayed in until 1815, and despite the studio announcer, it was always "Gospel 1320." (GB-FL)
- 1320 WKRK NC Murphy. 1/24 0906. Ad for Circuit World (a new plasma TV to "watch your Carolina Panthers in the Super Bowl"). Promo for Cherokee County commissioner and manager to be Party Line. Ad for an outlet center "on highway 64 in Murphy." EST TC and back to a trading post program. Several more mentions of "Murphy" from the callers. US 64 runs right through Murphy, Cherokee Co, NC. (GB-FL) Hey Gerry, did you know Murphy is home to the only ruby mines in the United States? It's true! (Ed.-NV)
- 1320 WZZB AL Birmingham. 1/21 0721. Poor but steady w/promo. Ads at :35 w/local mentions. "Country Legends 1320." (JJR-WI)
- 1330 KFH KS Wichita. 1/24 2007 with Wichita State Shocker basketball v. the Evansville Purple Aces. The Shockers won. (KR-AZ) And I guess the people in Evansville were kinda bummed out, huh? (Ed.-NV)
- 1330 WZCT AL Scottsboro. 1/23 0730. Poor with lively local morning jock w/t/c, wx and "Northern Alabama" mentions. "Southern Gospel AM 1330." NEW! (JJR-WI)
- 1350 WNNG GA Warner Robins. 1/21 1716. Out of the Beatles "Something" to ID as "AM 1350 WNNG" and ad for the Medical Center of Central Georgia. Excellent signal for an hour before sunset and splash off very local WFSH 1340. (GB-FL)
- 1360 WELR AL Roanoke. 1/21 0904. IDing as "ESPN 1240 and 1360" with weather for "south Georgia and Alabama." In studio news started at 0906. (GB-FL)
- 1400 WBBD WV Wheeling. 1/18 0304. Out of network ad to a station promo "afternoons on WBBD." (GB-FL)



- 1400 WHUB TN **Cookville. 1/18 0117.** Classic C&W, "great songs of today, yesterday...country WHUB." (GB-FL)
- 1400 WLSB TN **Copperhill. 1/18 0359.** C&W to TOH as "Real Country 1400 and AM 770 WLSB Copperhill, Blue Ridge, and Murphy, WYHG Young Harris (garbled) and Hiawatha." Into ABC news. New with this log, since very common on overnight TOH checks of 1400. Some nights since this is the only station ID to be heard. (GB-FL)
- 1490 WCLU KY **Glasgow. 1/14 0300.** TOH "Your hometown radio station, WCLU Glasgow." Another of those favorable fade-ups. There aren't enough of these, of course, but I'll take what comes along. (GB-FL)
- 1490 WSFB GA **Quitman. 1/14 0223.** NOS and a quick "WSFB" ID at 0224. Apparently no longer SH or not observing the hours. (GB-FL) What! A station operating in violation of the terms of its license??? Preposterous! (Ed.-NV)
- 1490 WTUP MS **Oxford. 1/26 0059** "...here on WTUP AM 1490...chance to talk Ole Miss sports." Then into the ether again. (GB-FL) I'd lay off that ether if I were you. Gerry. (Ed.-NV)

## DDXD-East

### REPORTERS

- MKB-ON **Mike Brooker, Toronto** - Grundig YB-400PE, Panasonic RF-2200.
- BC-PA **Bruce Collier, York** - 220 degree BOG terminated phased against 45 degree BOG unterminated through MFJ 1025 into Sony 2010 with KIWA mods.
- JF-ON **Jeff Falconer, Clinton** - AOR AR7030+, 130' east EWE / 130' west EWE or Drake R8B with 45' GAP vertical, MFJ-1026 phaser, etc.
- JK-NJ **Jason Koralja, Surf City** - Sony ICF-SW7600GR with Terk Loop.
- BL-NC **Brian Lambe, Charlotte** - Grundig YB-400PE, Sony ICF-2010 with Radio Shack Loop.
- WM-TN **Willis Monk, Old Fort** - SONY 3800.
- IEN-GA **Ira Elbert New, III, Watkinville** - 1996 Isuzu Rodeo Premium Audio System 8200.
- IEN\*GA **Ira Elbert New, III, Watkinville** - AIWA CSD-FD89.
- HN-GA **Herbert Newberry, Milledgeville** - Kenwood R-5000, Quantum Phaser, Quantum Loop, 700' Longwire in X Pattern (center-fed).
- AO-FL **Al Ogrizovich, Jacksonville** - Crane Radio Plus and Justice Loop.
- DP-HI **Dale Park, Honolulu** - Station Notes.
- RR-NC **Rick Robinson, Hendersonville** - Icom R75 and MWDX5 phasing controller, 3 BOG antennas, Sony SW-7600GR and Radio Shack loop antenna.
- BT-IN **Blaine Thompson, Fort Wayne** - Toyota Camry Factory Car Radio.
- JV-NY **John Vervoort, Bronx** - Grundig YB-400PE.
- JW-PA **James Weber, Lancaster** - GM Car Radio.
- JW-DC **James Weber, on the Beltway near Washington** - GM Car Radio.

### CLEAR CHANNEL CHALLENGE - 1120kHz

- 1120 WPRX CT **Bristol** - 1/23 0100 - SS music to TOH, then clear EE ID with KMOX phased. (BC-PA)
- WUST DC **Washington** - 1/25 1500 - fair signal, male ID - "This is New World Radio, WUST, Washington." (JK-NJ)  
+ 1/26 1300 - WUST easily dominant in Lancaster, PA during all daylight hours. Generally seems to contain religious programming in Spanish language. IDs as "new World Radio". (JW-PA)
- WNWF FL **Destin** - 1/24 1758 - Local news, mention of Niceville and Destin. "11-20 WNWF". Good in fade up from noise. New. (RR-NC)
- WXJO GA **Gordon** - 1/18 1100 - morning worship service, "broadcast as a public service here on 'Heaven 11', WXJO, Gordon." // WXKO-1150, Fort Valley, GA. Semi-local and daytime regular. (HN-GA)
- WBNW MA **Concord** - 1/21 2359 - country music, clear TOH ID with KMOX phased. (BC-PA)  
+ 1/25 2330 - presumed with country music, mention of "realcountryonline.com", weak, lots of fading. (JK-NJ)  
+ 1/26 2358 - fighting partially nulled KMOX with C&W song *From a Jack to a King*, double-headed top of hour ID: "WBNW AM 1120 Concord, WPLM AM 1390 Plymouth". (MKB-ON)

- WTWZ MS **Clinton** - 1/24 1808 - Bluegrass programming. "Cindy Baucom, Knee Deep in Blue Grass" show. "WTWZ Clinton, Jackson, 'The Tradition'". Good, heard almost all day long from poor to good signal. New. (RR-NC)
- KMOX MO **St. Louis** - 1/18 0142 - program featuring the blues of St. Louis as performed in nightclubs and recordings by performers in St. Louis. Excellent signal, nightly visitor. (HN-GA)  
+ 1/22 1752 - dominant as usual (though not the blowtorch signal I remember when I was cutting my DX teeth on Blues hockey, circa 1973) with news that St. Louis is still waiting for \$10 million promised by Homeland Security, "KMOX Weather Channel" local weather. (MKB-ON)  
+ 1/24 1901 - Sports talk show on the "Missouri Tiger Sports Network". "News Talk 11-20 KMOX" ID. Becomes dominant night time signal after 1830. (RR-NC)  
+ 1/25 2303 - good clear signal, ID - "America's Most Trusted News Source, News Talk 1120 KMOX." (JK-NJ)  
+ 1/28 0545 - Discussion of Super Bowl urban legends on call in talk show; wife beating incidences, toilet flushing, etc. Paid political advertisement by Lyndon Larouche at 0557. In very well during ride around Washington DC beltway except for near Interstate 270 split where signal was obscured by adjacent channel hash. (JW-DC)
- WMNY NY **Buffalo** - 1/21 1401 - steady mid-day groundwave with "Bread of Life" gospel program, ID as "Heaven 1120, WMNY Buffalo, a Citadel Broadcasting station" into more hell-fire black gospel. (MKB-ON)
- WKCE TN **Maryville** - 1/26 0900 - NOS music, Sinatra, Peggy Lee, Big band. "The Music of Your Life, AM 11-20 WKCE Maryville, Tennessee" TOH ID. New. (RR-NC)

### STATION NOTES

- 1450 WVLD GA **Valdosta** - Adds "Kim Komando Komputer Show" per program 1/24. (DP-HI)
- 850 WDJCp AL **Birmingham** - 1/26 1750 - Good signal with gospel music. The station powered down around 1758 so I missed the TOH ID. However, I really think it was WDJC. "AM 850, The Truth." (IEN\*GA)
- 1070 WINAp VA **Charlottesville** - 1/18 2056 - "this has been a presentatin of the Virginia Sports Network." Poor signal. (JV-NY)
- 1090 CKKWp ON **Kitchener** - 1/22 2330 - presumed "Oldies 1090" fair with WBAL phased somewhat. WBAL is tough to kill completely. New! (BC-PA)
- 1200 WTLAp NY **North Syracuse** - 1/18 2107 - what sounded like standards-type music from the 40s. Only station with NOS format on 1200 kHz listed in log. Fair to poor signal until finally lost, however, trying to make a comeback at 2114. In addition, very tentatively logged WOAI-TX at 2106! (JV-NY)
- 1340 WWLFp NY **Auburn** - 1/24 0158 - presumed with Radio Disney and mention of New York - nothing else fits. With local WOYK phased to kill splatter. (BC-PA)
- 1640 WKSHp WI **Sussex** - 1/18 2254 - same old tired Radio Disney // 1560 WQEW-NY. Heard very faintly under strong local HAR WPLT248. (JV-NY)
- 1680 WDSSp MI **Ada** - 1/18 2145 - typical Radio Disney // 1560 WQEW-NY. Poor signal, no sign of WTTM-NJ. (JV-NY)

### DX TEST

- 1240 WKDK SC **Newberry** - 1/25 0559 Morse code ID "WKDK 1240 Newberry, SC". No audible audio heard. (RR-NC)

### STATION LOGGINGS

- 540 WDAK GA **Columbus** - 1/21 1715 - ID: "News radio 540, WDAK, Columbus." (WM-TN)
- 560 WOOF AL **Dothan** - 1/21 1757 - At end of preacher Lester Roloff program, local announcer said, "WOOF, Dothan" then into ABC news and station just disappeared. Perhaps dropped power or signed off. (WM-TN)
- WJLS WV **Beckley** - 1/21 1817 - "The state wide sports show", ads for West Virginia Bank, Checkers Hamburgers; State scholarship by calling 1-888-554-UPCH(?), West Side Ford. ID: "This is WJLS, Beckley, WV." Return to program, "you're

# KMOX

## News/Talk 1120

America's Sports Voice®

580 **WVLK KY** Lexington – 1/21 0600 - ID as “WVLK, Lexington, your news talk and weather station.” What sounded like John Wesley read the news. QRM from Cuba. (WM-TN)

590 **WDIZ FL** Panama City – 1/13 1724 – “your source for Fox sports, 590 WDIZ” popped up in LSS conditions through a fading WDWD. On loop, new. (HN-GA)  
+ 1/18 2155 - Fox sports and TOH ID. (AO-FL)

**WEZE MA** Boston – 1/18 2218 – “... on Christian Family Radio, WEZE.” Poor signal, mixing with dominant HAR WTFC979 Teaneck, NJ. Last logged with an “easy listening” format as the call sign suggests. (JV-NY)

610 **WTVN OH** Columbus - 1/24 1940 - Talk show buried in the slop. “Newstalk 610 WTVN.” (IEN-GA)

630 **WMAL DC** Washington - 1/24 1935 - Weather, with a good signal. “Todd Parrish, 630 WMAL News.” (IEN-GA)

660 **WDLT AL** Fairhope – 1/13 1737 – “660 AM, nothing but the blues, WDLT Fairhope” into blues music. WFAN absent, WFLJ in partial null on loop. Good signal. New, at LSS. (HN-GA)

680 **WPTF NC** Raleigh - 1/24 1930 - Newscast and winter storm warning with weather. Strong signal. “Your official weather station, Newstalk 680, WPTF.” (IEN-GA)

720 **WRZN FL** Hernando – 1/13 1751 – after Sinatra’s “Chicago”, a quick ID “720, WRZN, Hernando”. Sat-fed ABC Stardust. On loop. No sign of WGN until 1753 when WRZN went to 250 w. Armchair copy until power cut. (HN-GA)

730 **WSTT GA** Thomasville – 1/15 1300 – after UC: GOS music, ID “WCVC, Tallahassee.” Seems WSTT is now // WCVC-1330. Deep fades but S9 at peaks. Brief ad and ID between music. Rare for mid-day conditions. (HN-GA)

**WOHS NC** Shelby - 1/18 1830 - NFL playoffs and plenty of spots for Shelby sponsors. (AO-FL)

790 **WPIC PA** Sharon – 1/21 1500 – presumably via groundwave with top of hour ID: “news-talk 790 WPIC, Sharon, Warren, Youngstown, a Cumulus radio station” into ABC news. (MKB-ON)

850 **KOA CO** Denver – 1/27 0720 - good with brief male voice ID “on 850 KOA”, then faded out. (BL-NC)

870 **WWL LA** New Orleans – 1/14 0204 – “870, WWL, New Orleans” at TOH, into CBS time pip and news. IBOC in use. Sidebands were well behaved. 860 CJB and 880 WCBS in the clear. (HN-GA)

880 **WFNC NC** Fayetteville – 1/23 0000 - ID: “Saluting the heroic men and women of the armed forces, this is WFNC, news radio 660, Fayetteville.” Network news, then Jim Bohannon show. On top of Cuba, very rare here. (WM-TN)

900 **WBML GA** Macon - 1/19 1710 – “Southern Gospel WBML” ID into “Holy Ghost Deliverance” broadcast. (AO-FL)

920 **CKNX ON** Wingham – 1/18 2044 – “... on country nine-twenty CKNX.” Then what sounded like an ad for local car dealership. Fair to poor signal accompanied by horrific 930 WPAT QRM. New. (JV-NY)

950 **WTLN FL** Orlando – 1/12 1707 - good with ID “950 WTLN” and heard “WTLN.com”. New! (BL-NC)

**WPEN PA** Philadelphia – 1/14 2016 – “and now another long set of songs are about to begin on nine-fifty WPEN.” On top mixing with UNID REL and SPT. (JV-NY)

**WGOV GA** Valdosta – 1/18 0218 – “magic 95, WGOV” between UC music. I suspect they’re on day power, too good for 63W! On top on both antennas. (HN-GA)

960 **WTCH WI** Shawano - 1/25 0703 - on top with “WTCH Sunday Morning Polka Show”. (JF-ON)

980 **WONE OH** Dayton – 1/20 1724 - ID, “WONE.com”, weak in fade, heard right before local sunset. (BL-NC)

990 **WDYZ FL** Orlando - 1/26 2255 - Radio Disney buried in the slop. “Radio your way... Radio Disney WDYZ Orlando.” (IEN\*GA)

1040 **WHO IA** Des Moines – 1/14 0059 – “you’re listening to news/talk 1040, WHO, Des Moines”, into local newscast with ABC network news items inserted. Excellent every night, armchair copy. (HN-GA)

+ 1/20 2028 - ID: “Your community radio station, news radio 1040, WHO, Des Moines.” At 2030 ABC announcement of upcoming speech from President Bush. And at 2031 Iowa weather, it was 21 degrees. ID: “Des Moines news weather station, WHO, radio 1040.” Then into Dr. Laura. (WM-TN)

**WPBS GA** Conyers – 1/14 0800 – UC:GOS music on “1040, WPBS, Conyers”. Salem Radio Network at times during the day. Ex-1050. Daytime regular with excellent signal. (HN-GA)

1090 **WHGG TN** Kingsport - 1/20 2040 - ID: “WHGG 1090 Kingsport”, and an FM station call that I missed. May have finally cut their power as they should have at sunset. (WM-TN)

1150 **WMST KY** Mt. Sterling – 1/26 1705 - Easy listening “elevator” music. “AM 11-50 WMST”. New. (RR-NC)

1160 **WAMB TN** Donelson - 1/24 1800 - Standards, show tunes and big band numbers. Good signal. “Serving Nashville & middle Tennessee with your kind of music 24-hours a day, this is WAMB 1160 Donelson.” (IEN\*GA)

1170 **WLBH IL** Mattoon - 1/24 1950 - Stevie Wonder with “Sunshine Of My Life”, buried in the slop. Sign off at 2000. “Unforgettable 1170.” (IEN-GA)

1180 **VOA FL** Marathon – 1/18 0232 – with WHAM nulled, SS music loud and clear, with “Radio Marti” between songs. Blasts nightly with 100 kw, the only American station with this blowtorch wattage. (HN-GA)

1260 **WDKN TN** Dickson - 1/22 1845 - on top briefly with ad for guitars on sale at a music store on Main Street in downtown Dickson, then gone abruptly (power cut or pattern change?). Only 2nd time heard. (JF-ON)

1310 **WIBA WI** Madison - 1/25 2245 - End of Wisconsin basketball game. Copied liner with call letters mention - couldn’t keep the station long enough for TOH ID. New for me from Fort Wayne. (BT-IN)

1330 **WSPQ NY** Springville - 1/24 0200 - in sports programming to TOH “Western New York’s sports... WSPQ, Springville.” New! (BC-PA)

**WYRD SC** Greenville - 1/25 2257 - End of Rusty Humphries’ Saturday Night America (Talk Radio Networks) - Copied liner, and ID, both mentioning the simulcast with 950 WORD (Spartanburg, SC). New. (BT-IN)

1410 **WLSH PA** Lansford - 1/25 0750 - on top in CKSL phase null with GOS music program, ID at top of hour “This is Joy in the Journey on WLSH, Lansford - Lehighton, it’s 8 o’clock.” This one has been about 100 Hz low in freq for more than a year now. (JF-ON)

1460 **WBET MA** Brockton – 1/21 0100 – over nulled CJOY with top of hour ID: “full service radio for Metro South, WBET Brockton” into CNN news. (MKB-ON)

1520 **KRHW MO** Sikeston - 1/22 2345 - playing Restless Heart’s “Big Wheels in the Moonlight”, followed by clear image liner, solid with WWKB phased. New! (BC-PA)

1530 **WRTP NC** Chapel Hill – 1/11 1730 - New one with “Best of Christian music, WRTP Chapel Hill, WRTP, hits radio.” Good, over WSAI. (BL-NC)

1630 **KCJJ IA** Iowa City – 1/17 0342 – “playing today’s hottest hits, KCJJ.” Format change? Log shows them as talk/sports. (HN-GA)

1650 **KWHN AR** Fort Smith - 1/6 0730 - ID “News/Talk KWHN”, gave current temperature of 12 F, good signal. New one here! (BL-NC)

1690 **WHITE IL** Berwyn – 1/6 0745 - ID “Real oldies 1690” still loud after sunrise, with Frank Sinatra, New. (BL-NC)

**TIS, HAR**

590 **WTFC979 NJ** Teaneck – 1/18 2237 – “this is station WTFC979, five-ninety on your AM radio, licensed for and operated by the New Jersey Turnpike Authority. This station is located approximately three miles south of the George Washington Bridge in Teaneck.” Fair signal mixing with WEZE-MA. (JV-NY)

1640 **WPLT248 NY** Bronx – 1/18 2250 – “you’re listening to the New York State DOT Highway Advisory Radio Station WPLT248 operating at sixteen-forty on the AM dial. This station is operated by the Joint Traffic Operations center and provides information about traffic incidents and active construction projects for the New York State DOT in the Bronx. Presumed WKSH-WI floating underneath with very faint but constant signal. Obviously not DX, but readers might find this useful. (JV-NY)



# International DX Digest

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

Turn off two-way radios and cell phones - blasting zone ahead. Mark Connelly sounds the warning, "Stations from Spain are blasting in on the high end of the MW band. 1359 is especially strong, but respectable signals are up on quite a few other frequencies as well, including 1179, 1224, 1296, 1503, 1575, and 1584 kHz. Libya-1251 also huge as is France-1557 (smokin' Disney-1560). Italy-1332 noted with local WRCA phased. Not much from UK however." What's blasting your ears?

## Transatlantic DX

- 252 **ALGERIA** Tipaza JAN 15 0437 - Good; man and woman in French. In severe noise. [Dangerfield-PA]  
 1251 **LIBYA** Tripoli JAN 27 0045 - Fair; man in Arabic, then soft music around 0105. [Dangerfield-PA]  
 1332 **ITALY** RAI Rome JAN 27 0145 - Fair; woman with pop song, man speaking in Italian. This station must now be doing the all night program. Wonder if 846 kHz still does? [Dangerfield-PA]  
 1521 **SAUDI ARABIA** BSKSA Duba JAN 21 2216 - This is everyone's blaster! This time it was in the clear with a huge signal that hetted 1520 WWKB. Two men talking with mentions in Arabic of Iraq and Iran. Regular. [Dangerfield-PA]  
 1548 **KUWAIT** R.Sawa, Kuwait City JAN 19 2156-2215 - Fair with mix of up-tempo Middle Eastern pop music and current rock music, man and woman in both Arabic and English, station promos including reverberated "Sawa" into apparent news in Arabic at 2215; parallel to 7195 and 9530 kHz. [DeLorenzo-MA] JAN 23 0100 - Mid East rock, female vocals. Good. [Dangerfield-PA]  
 1557 **FRANCE** Nice JAN 26 0209 - Huge w/ pop music and man in French. [Dangerfield-PA]  
 1566 **IRAN (?)** JAN 23 0023 - Woman in unID language. Maybe India but language didn't sound like it. More like Arabic and the program didn't seem parallel to 5010 India. [Dangerfield-PA]

## Pan-American DX

- 540 **MEXICO** XETX Nuevo Casas Grandes, Chih JAN 24 1810 - ID and "La Ranchera de Paquime" slogan, then had a braying mule into banda version of Rancho Grande. [Redding-AZ] JAN 29 0735-0806 - Finally heard a clear end of jingle, "...La Ranchera de Paquime," at 0806 after hearing music in WRRD null and over/under XEWA talk program. New here. [Loy-IL]  
 580 **DOMINICAN REPUBLIC** HICN R.Montecristi, Montecristi JAN 26 0715 - Lively tropical music with R.Montecristi ID at 0720. Strong at times. [Beu-TX]  
 660 **MEXICO** XEEY Aguascalientes, AGS JAN 27 0552-0609 - Nortefias y baladas; possible news 0600-03, then IDs, "La Radio Consentida" and "La Consentida"; music continued at 0606. All in Spanish. Poor under WFAN 'til 0605 then about equal for couple of minutes. [Frodge-MI]  
 769.98 **MEXICO** XEHB San Francisco del Oro, Chih JAN 25 1211 - Pretty sure this is the one with a variety of XE music, and wolf howls and/or "Radio Lobo" slogans after each song. ID at 1234:30 but only heard "Equis eh ah..."; the 3<sup>rd</sup> letter was cut off and could have been either "ah" (A) or "ahchay" (H). No sign of usual XEJJR, and XEACH runs Radio Fórmula, so think this is XEHB with new slogan, ex - La Rancherita. Will continue to check this out, but muchos problemas with pest KKO. [Wilkins-CO]  
 870 **MEXICO** XETAR Guachochi, Chih JAN 23 1311 - Program "El Mensajero de la Sierra," consisting of avisos and comunicados; the first message was to Angela Garcia at the airfield: "Pick up the money Friday at the telegrapher's." Good on peaks. [Wilkins-CO]  
 960 **MEXICO** XEFAMA Cd. Camargo, Chih JAN 29 1356 - Last part of religion program with female announcer; at 1359:50, a man gave telephone numbers, followed by what sounded like a 20-second ad; a call letter ID and "La Fama" slogan at 1400:25 were followed by what sounded like another ad, but too much interference to be sure; then at 1401:10 another ID: "Estas escuchando Radio 960, La Fama, 960 kHz de amplitud modulada, A.M., con diez mil wats de potencia, Ciudad Camargo, Chihuahua." This was followed by a fast-talking male with news. Soon faded, but chalk it up for XE #204 and CHIH #42. First heard on 24 Jan with

**Bruce Conti** nrcidx@aol.com

46 Ridgefield Drive  
Nashua, NH 03062-1174

similar format; tried but not heard at all on 25 and 26 Jan; did not try on 27<sup>th</sup> or 28<sup>th</sup>. [Wilkins-CO]

- 970 **MEXICO** XEEZ Caborca, Son JAN 24 1319 - Very good on peaks with program "Reventon Norteño" consisting of ranchera music; male announcer after each song with MST time checks, an occasional program note, and "La Super Zeta" slogans. Occasional fading but not much interference. A nice tape was sent to the station which hopefully will impress them enough to return a verie or something. [Wilkins-CO]  
 1180 **CUBA** R.Rebelde, Villa María JAN 24 0009-0030 - Presumed; man and woman with political commentaries in Spanish; mentioned EUA, Venezuela, Taliban, Guantanamo, Michael Moore and Super Bowl. "Revolución Democratica" spot at 0019. Good peaks and on top throughout. [Frodge-MI]  
 1260 **MEXICO** XEOG Ojinaga, Chih JAN 24 2153 - Full ID, Mexican national anthem, and then faded out. [Redding-AZ]  
 1470 **MEXICO** XEAI México DF JAN 29 1200 - ID at 1200:30, "Radio Fórmula 1470, llegando actualidades importantes del país, XEAI-AM, 1470 kHz, cincuenta mil wats de potencia, transmitiendo desde México..." and into an ORF talk program, with same guy talking past 1222 tune-out. Not strong enough to make much out. [Wilkins-CO]

## Contributors

**Mike Beu**, Austin TX; **Drake R8B**, 70-ft terminated delta loop. <Michael.Beu@cingular.com>  
**Mark Connelly** WA1ION, Billerica MA; **Drake R8A**, Flag antenna, vertical, DXP-5 phaser. <MarkWA1ION@aol.com>  
**Ben Dangerfield**, Wallingford PA; **R8A**, four slopers, DXP-3A phaser, Kiwa loop. <ben-dangerfield@verizon.net>  
**Marc DeLorenzo**, Marstons Mills MA; **JRC NRD-525**, noise-reduced slopers, Mini-DXP3 phasing unit. <MarstonsMarc@aol.com>  
**Harold Frodge**, Midland MI; **Drake R8B**, 85-ft/215-ft random wires, 125-ft. single loop. <yukon@tm.net>  
**Eric Loy**, Champaign IL; **Drake R8**, Quantum QX. <ecloy@netscape.net>  
**Kevin Redding**, Mesa AZ; **Hallicrafters SX-99**, SM-2 antenna. <amfmdx@fastq.com>  
**John Wilkins**, Wheat Ridge CO; **Drake R8**, 4-ft box loop. <peakbagger3@juno.com>

## International News

**CZECH REPUBLIC:** "Today I have received after 20 days a reply directly from the Topolná transmitter site in the Czech Rep. They are broadcasting on 270 kHz with 650 kW. The envelope contains a QSL-card, personal letter and an old pennant from the communist era showing 272 kHz, 1500 kW. All custom made, not from Czech Radio." Address: Ceske Radiokomunikace a.s, Oblast Jizni Morava, RKS AM1 Topolna, 687 11 Topolna, Czech Republic. [Mauricio Molano, HCDX, via Jan 19 ARC Information Desk]  
**VENEZUELA:** Radio Continente network: 590 YVKL R.Continente, Caracas; 680 YVQR R.Continente, Cumaná; 970 YVLR R.Continente, Maracay; 1020 YVMX R.Continente, Maracaibo, ex R.Calendario (recently heard announcing R.Continente by several ARC members); 1370 YVJI R.Continente, Mérida, ex R.Cumbre. Affiliated stations: 880 YV.. R.Paraguana, Punto Fijo; 1000 YVNM La Caribeña, Morón; 1280 YVQS R.Zaraza, Zaraza. [Tore Larsson, Jan ARC SA News Desk]



73 and Good DX!

# Formats

**Wayne Heinen** amradiolog@nrcdxas.org

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Aurora, CO 80013-3831

**Changes in programming status; reported by listeners**

Freq	Call Source	Location	New Format	Heinen	
690	KORL	Honolulu, HI			ETH
590	WVLK	Lexington, KY	TLK/SPT	MSJ	
770	WKTW	Jeannette, PA			Brokered/OLD
660	KTNN	Window Rock, AZ	Navajo/C&W	DX	Midamerica

780	WPTN	Cookeville, TN	TLK	MSJ	
	MSJ			1340	CJCM Cold Lake, AB
810	WNSI	Jacksonville, AL	C&W		DX Midamerica
	MSJ			1340	WMTE Manistee, MI
810	KSWV	Santa Fe, NM	SS/EE:MEX		Web Site
	Heinen			1340	KEWE Oroville, CA
830	KMXE	Orange, CA	SS:TLK		Web Site
	MSJ			1360	WVMC Mount Carmel, IL
880	CHQT	Edmonton, AB	AC/OLD		Web Site
	Heinen			1360	KSCJ Sioux City, IA
930	CJCA	Edmonton, AB	SPT		Heinen
	Wilkins			1370	WKMC Roaring Spring, PA
950	KSNB	Saint Louis Park, MN	BIZd/SPTn		MSJ
	DX Midamerica			1380	WOLA Barranquitas, PR
950	WCLB	Sheboygan, WI	SPT		MSJ
	AM Switch			1380	WPCH North Augusta, SC
960	KROF	Abbeville, LA	ETH		DX News
	MSJ			1400	KDTA Delta, CO
970	WVOJ	Jacksonville, FL	SPT		Wilkins
	MSJ			1400	KAYS Hays, KS
1010	WIOJ	Jacksonville Beach, FL	REL/TLK		DX Midamerica
	Web Site			1400	WCOH Newnan, GA
1050	KEYF	Dishman, WA	OLD		Hall
	AM Switch			1400	KSRR Provo, UT
1050	WFSC	Franklin, NC	AC/EZL		Heinen
	MSJ			1400	WKDY Spartanburg, SC
1050	WLIP	Kenosha, WI	AC/EZL		MSJ
	AM Switch			1410	WMSX Brockton, MA
1050	WCMS	Norfolk, VA	C&W		MSJ
	AM Switch			1420	WCED Du Bois, PA
1050	KGTO	Tulsa, OK	UC:AC		MSJ
	MSJ			1420	KXOW Hot Springs, AR
1060	KXPL	El Paso, TX	SS:Mariachi		DX News
	Wilkins			1430	WGFS Covington, GA
1170	WWTR	Bridgewater Twshp, NJ	OLD		Hall
	MSJ			1450	KWFM Tucson, AZ
1170	KLOK	San Jose, CA	SS:Tropical		MSJ
	MSJ			1470	KVLH Pauls Valley, OK
1230	WCOL	Columbus, OH	OLD		Heinen
	DX News			1470	WAZN Watertown, MA
1230	WAKI	McMinnville, TN	TLK		DX News
	MSJ			1480	WYMR Bridgeport, AL
1230	WNEB	Worcester, MA	REL		MSJ
	DX News			1490	WUSS Pleasantville, NJ
1250	WKBR	Manchester, NH	NWS/TLK		MSJ
	MSJ			1510	WLKR Norwalk, OH
1250	WMTR	Morristown, NJ	OLD		DX Midamerica
	MSJ			1530	WLSP Lapeer, MI
1260	WWRC	Washington, DC	SPT		DX Midamerica
	MSJ			1570	WTWB Auburndale, FL
1270	WWCA	Gary, IN	TLK		Web Site
	DX News			1570	WNSH Beverly, MA
1280	WFBS	Berwick, PA	OLD/TLK/SPT		MSJ
	Kennedy			1570	CFAV# Laval, QC
1290	WFBG	Altoona, PA	TLK		Axelrod
	ILST			1600	KRVA Cockrell Hill, TX
1300	WSSG	Goldsboro, NC	SS:MEX		MSJ
	Kennedy			1640	KMMZ Enid, OK
1300	KAKC	Tulsa, OK	BIZ		DX News
	nrcdxas.org			1670	WMWRDry Branch, GA
1320	WTOW	Washington, NC	REL:AC		DX News

## DX'er's Notebook

Shared tips, topics, and Internet info

Dave Braun dcbraun@delanet.com

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Camden Wyoming DE 19934-2132

A little bit more on phasing...

David Hochfelder <david.hochfelder@rutgers.edu>

Back to the NRC Brain Trust... Does anyone have any suggestions for a low-cost whip to use with a phaser?

### RADIO STATION KINA

Bruce Conti, Nashua NH <BACONTI@aol.com> P O Box 778 • SALINA KANSAS 67401 • (913) 825-0266

A wire up a tree, a wire mounted on a wooden pole, a copper pipe inside PVC for weather proofing... For my present car DXpeditioning phased antennas, I use a 15-ft copper pipe for a whip, and an approximately 6 x 6-ft loop of wire loosely supported by a wooden frame. The whip is supported by a wooden cross-beam clamped to the car roof-rack. It's sturdy enough that I'm likely going to extend the pipe to 20-ft tall.

Why spend so much money on an outdoor mechanical antenna system when phasing will do it simply without moving parts? A phased broadband loop consisting of a single turn of wire versus a whip or random wire will reduce a 9 dB signal down to nothing and produce nulls of 30 dB or greater. Furthermore, phasing produces a unidirectional reception pattern or beam, while a loop is bidirectional.

Mark Connelly, WA1ION, Billerica, MA <MarkWA1ION@aol.com>

Agreed. All this talk about loops on rotors would do very little for me since I'm usually trying to knock out QRM from the west to hear things from the northeast, east, and southeast. The cardioid-pattern Flag antenna is the main workhorse for home DXing. When properly terminated, this fairly compact antenna dumps groundwave stuff like WORC-1310 better than 40 dB. The last few dB of critical nulling are obtained by phasing the Flag against a sloper/vertical, a horizontal wire, or a broadband bidirectional loop. From the car at the seashore, I use a whip versus broadband loop when space on the ground isn't available. Other schemes (BOG vs. BOG, BOG vs. whip, 60 m spaced whips, or 60 m spaced broadband loops) are used at coastal sites such as Rowley that have plenty of room. In all cases the nulls I need to get (mostly southwest, west, northwest) - consistent with hearing DX - are better than I'd have with the best-balanced NRC loop ever made.

Everyone's DXing circumstances regarding what has to be nulled and what's left to hear will differ, but these are some things that work for me. No motors are required. I shudder to think of the cost of weatherproof high-accuracy mechanical solutions for remote adjustment of loop horizontal bearing, tilt, and tuning capacitance. Having the control wiring not skew nulls or inject motor / digital control noise is not trivial either. It's a better project for the FCC or NSA than for the average DXer.

David Hochfelder <david.hochfelder@rutgers.edu>

Thanks again, Bruce. I don't have a lot of real estate to work with, so I've been trying to think what I can do indoors in my shack (about a 15x10 room). I just ordered one of Gerry Thomas's phasers. I've been playing with Bob Galerstein's MFJ phaser and a horizontal loop run around the shack, and I've been able to knock out slop from my super-local on 1450 so I can DX the adjacent channels. This is using the Quantum QX Pro.

I might give the copper pipe idea a try, but something like 8 feet, inside PVC and supported in a Christmas tree stand or similar cheap arrangement. I would then run a single turn of wire around one of my walls and see what happens.

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

Why not get a replacement car whip antenna? I'd think that would work, although you'd probably be better off with a telescoping type.

Don't forget that a short (less than 10 m / 33 ft.) whip cannot drive much signal directly to 50 ohms.

You'll need either a buffer amplifier (high-impedance-in to low-impedance-out) or, if you wish to keep it passive, a matching transformer of ratio at least 16:1. I'd go with 36:1 which would be either a Mini-Circuits T36-1-X65 or the homebrew version: 3 turns low-impedance winding and 18 (or a bit more) turns high-impedance winding on a binocular core (Fair-Rite 2873000202 or Amidon BN73-202).

The MFJ-1024 is an active whip suitable for rural areas as it has quite a bit of gain. Urban DXers

would do better with a passively-coupled whip. I'd go with something in the 3 to 6 m (10 to 20 ft.) range, coupled to coaxial cable via 36:1 transformer. Use coax-shield ground on both sides of the transformer unless this is too noisy. In that case, use rods and/or radials for the ground on the high-impedance whip transformer winding side. A reasonable size passive whip that's correctly matched should give you plenty of signal as one input to your phaser. The other input could be from a horizontal wire, a broadband loop (via balun), or from another whip located 30 to 100 m (100 to 330 ft.) from the first one.

People still keep wanting to use their tuned loops with phasing but I maintain that this is a bad idea.

"Indoor anything" is also a bad idea, at least in 99% of the houses I've been to lately. Digital gizmos put out a wretched amount of spurs. The RF noise profile in houses today is much worse than what we might remember from the '50s and '60s. A loop with sub-microvolt sensitivity is all but wasted in the majority of modern homes.

#### PRESELECTOR WITH PHASING

Russ Johnson <k3pi@radiointel.com>

Any advice on where to put a preselector in the "circuit"?

Should I put it before a phasing unit or after. I am thinking it should go ahead of the phaser but I thought I would take advantage of all the knowledge here! Thanks.

FYI the preselector is the Palstar MW550. Phaser would either be the modified MFJ or the Quantum.

Frank Styron, Cary, NC <W4CWA@nc.rr.com>

Russ, Here are my experiences with the Palstar MW550P and Quantum phaser with a mini review of the MW550P:

My antennas are a K9AY and a 30' vertical into a Quantum phaser with a R-390a or R8B.

The performance of the phaser is better if the MW550P is placed in line between the phaser and the radio. My experience is both antennas should provide a broadband signal to the phaser. The Q of MW550 is tight (even in wide mode) which allows the sidebands to slip through if placed between the antenna and phaser. So if you use the MW550 on one antenna while the other is broadband, you will have difficulty totally eliminating the offending signal.

My MW550p observations:

To be honest, I have not been overjoyed with the performance of the my Palstar MW550. I live about 5 miles from a 50KW station on 680 kHz and in bypass mode there are incredible amounts of intermod all over the MW and SW bands. I spoke with Paul at Palstar and he did say there is a diode inline in bypass mode which may be causing this issue.

When in "MW+Preamp" mode the MW550 performs fairly well. There are also times when I hear low level RTTY or shortwave BC products when listening on the low end of MW with the MW550 in (MW+Preamp) mode.

The "Preamp" mode is useless for me (even on shortwave) due to the intermod issues. I do wish Palstar had included a passive tuned mode into the unit. For me, the MW550p does not provide bullet-proof signal handling capability.

Russ Johnson, K3Pi <k3pi@radiointel.com>

Thanks Frank. I am in Lexington NC by the way.

I have a 5kw station (1440 WLXN) about 3 miles from here. Same issues as with you. I really wish a passive option had been included. I find that MW+preamp works pretty well even on SW, better than preamp alone. You are just asking for trouble operating in Preamp only mode. I am finding that I almost always operate in Attenuate mode, which is quite effective...plenty enough signal gets through in Attenuate.

Thanks for the advice. Over Thanksgiving break, I am going to do a "start over from scratch." I have so many jumpers, adapters, switches in line...it's just a big ol' mess!

Nice equipment & antennas you got there!

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

I have a similar problem here in Milwaukee with a 5kw 1290khz about 4 miles out and I'm dead center in their beam. When I use the MFJ1026. it gets destroyed with overload. So, in order to use the phasing capabilities of the MFJ, I put an LC circuit on each antenna before the phaser to knock down the strength of 1290. If I don't do this, every time I null a station, any station, I pick up 1290!

Some times I use a homebrew passive LC phaser, then I don't have any problems with overload in the receiver (R71a, R1000, or R30).

Bruce Conti, Nashua, NH <BACONTI@aol.com>

The MWDX-5 phasing unit has LC-tank tuning circuitry at the antenna inputs. However tuning can work on the output too. I've used a version of the MWT-3 regenerative tuner/amplifier (MWT-3S) after phasing to narrow the bandwidth and provide plenty of RF gain. So I guess it can go either way. Experiment with both to determine what works best for you.

Les Rayburn, N1LF, Helena, AL <les@highnoonfilm.com>

Tonight while playing with new antenna combinations as inputs to my phaser, I notice that there is at least one situation that defies my ability to phase or null a station.

When the station is a powerful signal in that "medium" distance of perhaps 300-500 miles, such as WSM 650 in Nashville or KWHN 1650 in Ft. Smith—I have a lot of trouble getting a deep null.

For instance, I nulled KWHN attempting to log the new C&W station in Texas, KBIV. I cannot completely null KWHN and even when the best possible null is obtained, I'm left with WHKT in Portsmouth, VA instead of the station I am targeting.

I've tried using various antennas as input sources, including a broadband active whip in combination with my Western BOG, my Western EWE in combination with the BOG, etc. No luck so far.

Any suggestions on what else to try?

Patrick Martin, Seaside, OR <mwdxer@webtv.net>

Les, I have the same problem with Seattle, San Francisco, etc. Now LA is easier to null.

Les Rayburn, N1LF, Helena, AL <les@highnoonfilm.com>

Nice to know that I'm not the only one. I wonder if a box loop that is adjustable in both EL and AZ would be a better choice for these problem stations?

Patrick Martin, Seaside, OR <mwdxer@webtv.net>

Les, Some of the stations are received on groundwave and skip and I think that is part of the problem here. You cancel one and you have the other to deal with. I have tried a loop/beverage combo, but sometimes the loop gets more noise.

Frederick R. Vobbe <fredv@nrcdxas.org>

Les, that's because you're receiving part of the signal from two paths. One is likely the skywave, and the other is ground wave. If the two are equal, you'll likely hear a "phasing" effect of the signal, but if (for example) the skywave arrives at your QTH 6 dB higher than the ground wave, it will sound normal. Further, while you may be able to phase out the skywave, the ground wave will have enough of an impact to foul your efforts. I have the same problem with WJR and WLW here in Lima.

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

Similar problem here in Milwaukee phasing Chicago or WSM. I have better luck with loops on these stations.

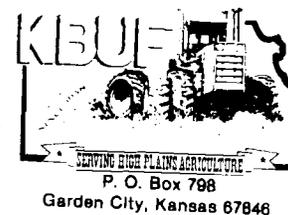
Bruce Conti, Nashua NH <BACONTI@aol.com>

I basically have two radio stations, 1030 WBZ and 1560 WQEW, that I can't null out completely by phasing, and when I do get a halfway decent null, the phasing has to be constantly fine tuned to maintain the null. 1030 WBZ Boston is only some 40 miles away, and with its directional 50 kW is probably sending quite a bit of signal in my direction, so that makes some sort of sense. What about 1560 WQEW? I can null out all the other NYC 50 kW stations to receive signals underneath. WQEW must be at high enough of a frequency that its shorter wavelength allows for multiple skywave paths over a wide angle.

I have no problem completely nulling out my two locals, 900 WSNH (60 watts nights, ND) about five miles away, and 1590 WSMN (5 kW, beamed east at night) less than three miles away. It's probably because I'm so close that I'm only receiving groundwave. Nulling out the groundwave leaves nothing but skywave from distant stations.

Patrick Martin, Seaside, OR <mwdxer@webtv.net>

Bruce; I can do pretty much the same thing with my locals. KAST-1370-1 KW-5 miles, mostly can be nulled out under Butte MT or San Jose CA at night; KKEE-1230-1 KW-6 miles, totally lost in the jumble at night, and KSWB-840-500 watts-8 miles at night-lost in the jumble, or at least mixing with Las Vegas.



# Graveyard Achievements

Distance records for stations logged on graveyard frequencies

**Bill Hale** [w\\_r\\_hale@sbcglobal.net](mailto:w_r_hale@sbcglobal.net)  
 6124 Roaring Springs Drive  
 North Richland Hills, TX 76180-5552



## KEY 1400AM

Logged from Jan 1, 1960 to Present  
 Date of Last Update: October 31, 2003

\* indicates record held by DXer from North America (excluding Alaska)  
 # indicates record held by DXer from Alaska or Hawaii

Station	City	DXer	DX Location	Miles
WMSL	AL Decatur	Joe Fela	Newark, NJ	819
	AL Demopolis			
WJLD	AL Fairfield	Ron Bailey	Shelby, NC	330
WDLL	AL Ft. Payne	Barry McLarnon	Ottawa, ON	919
WJHO	AL Opelika	Charles Reh	Leamington, ON	667
KSEW	AK Sitka	Pete Taylor	San Francisco, CA	1459
AFRN	AK Tok	Esa Hänninen	Lemmenjoki, Finland	3291
KJKJ	AZ Flagstaff	John Johnson	Sheridan, WY	709
KSUN	AZ Phoenix	Olle Alm	Abisko, Sweden	4976
KXIV	AZ Phoenix	Ernie Wesolowski	Omaha, NE	*1026
KRVZ	AZ Springerville	Jim Boehm	San Antonio, TX	712
KTUC	AZ Tucson	Jim Boehm	San Antonio, TX	764
KEZC	AZ Yuma	Esa Hänninen	Lemmenjoki, Finland	5148
KVOY	AZ Yuma	Pete Taylor	San Francisco, CA	*566
KELD	AR El Dorado	Charles Reh	Leamington, ON	932
	AR Pine Bluff			
KWYN	AR Wynne	Bill Dvorak	Madison, WI	543
KVTO	CA Berkeley	Michael Rolph	Oakwood, New South Wales	7282
KVTO	CA Berkeley	Tim Hall	Chilkoot Inlet, AK	#1586
KVTO	CA Berkeley	Tim Hall	Fitz Hugh Sound, BC	*1001
KRCQ	CA Indio	Tim Hall	Chula Vista, CA	89
KQMS	CA Redding	Esa Hänninen	Lemmenjoki, Finland	4709
KQMS	CA Redding	John Johnson	Sheridan, WY	*833
KSly	CA San Luis Obispo	Phil Bytheway	Seattle, WA	858
KQIQ	CA Santa Paula	Phil Bytheway	Seattle, WA	933
KTRT	CA Truckee	Nancy Johnson	Aberdeen, WA	558
KUKI	CA Ukiah	Tim Hall	Chula Vista, CA	567
KEYX	CA Visalia	Esa Hänninen	Lemmenjoki, Finland	4959
KONG	CA Visalia	Phil Bytheway	Seattle, WA	*793
KRLN	CO Canon City	Shawn Axelrod	Winnipeg, MB	871
KDTA	CO Delta	Shawn Axelrod	Winnipeg, MB	927
KFTM	CO Ft. Morgan	Olle Alm	Abisko, Sweden	4374
KFTM	CO Ft. Morgan	Tim Hall	Tombstone, AZ	*685
KBLJ	CO La Junta	Bill Dvorak	Madison, WI	826
KWUF	CO Pagosa Springs	Art Blair	Folsom, CA	776
WSTC	CT Stamford	Niel Wolfish	Burnt River, ON	363
WILI	CT Willimantic	Jeff Falconer	Clinton, ON	487
WFTL	FL Ft. Lauderdale	Marc DeLorenzo	Hyannis, MA	1209
WIRA	FL Ft. Pierce	UK DXpedition	Sheigra, Scotland	4093
WIRA	FL Ft. Pierce	Steve Francis	Alcoa, TN	*614
WFAV	FL Ft. Walton Beach	Barry McLarnon	Ottawa, ON	1188
	FL Jacksonville			
WUEZ	FL Sanford	Shawn Axelrod	Orlando, FL	20
WTRR	FL Sanford	Pete Taylor	Orlando, FL	(Tie) 20

WPAS	FL Zephyrhills	Ron Schiller	Lighthouse Point, FL	17
WAJQ	GA Alma	Don Trelford	Runaway Bay, Jamaica	189
WVNF	GA Alpharetta	Steve Francis	Alcoa, TN	120
WCLB	GA Camilla	Karl Jeter	Stone Mountain, GA	182
WWRK	GA Elberton	Steve Francis	Alcoa, TN	129
WNEX	GA Macon	Steve Francis	Alcoa, TN	204
WCOH	GA Newnan	Ron Bailey	Shelby, NC	225
WGA	GA Savannah	Jeff Falconer	Clinton, ON	799
KART	ID Jerome	Esa Hänninen	Lemmenjoki, Finland	4480
KART	ID Jerome	LEM96	Lemmenjoki, Finland	(Tie) 4480
KART	ID Jerome	Tim Hall	Revillagidedo Channel, AK	#1122
KART	ID Jerome	Shawn Axelrod	Winnipeg, MB	*964
KRPL	ID Moscow	Esa Hänninen	Lemmenjoki, Finland	4233
KRPL	ID Moscow	MB DXpedition	Valhalla Beach, MB	*966
KIGO	ID St. Anthony	Shawn Axelrod	Winnipeg, MB	789
KSPT	ID Sandpoint	Olle Alm	Abisko, Sweden	4055
KSTP	ID Sandpoint	Ernie Wesolowski	Omaha, NE	*1111
WDWS	IL Champaign	Joe Fela	Newark, NJ	741
WGIL	IL Galesburg	Esa Hänninen	Lemmenjoki, Finland	4196
WGIL	IL Galesburg	Barry McLarnon	Ottawa, ON	*794
WROZ	IN Evansville	Carl Dabelstein	Lincoln, NE	526
WBAT	IN Marion	Esa Hänninen	Lemmenjoki, Finland	4128
KCOG	IA Centerville	Shawn Axelrod	Winnipeg, MB	*841
KADR	IA Elkader	Shawn Axelrod	Winnipeg, MB	651
KVFD	IA Ft. Dodge	Shawn Axelrod	Winnipeg, MB	517
KVOE	KS Emporia	Niel Wolfish	Winnipeg, MB	782
KVOE	KS Emporia	Shawn Axelrod	Winnipeg, MB	(Tie) 782
KAYS	KS Hays	Olle Alm	Karesuando, Sweden	4443
KAYS	KS Hays	Shawn Axelrod	Winnipeg, MB	*768
KAYS	KS Hays	Morris Sorensen	Winnipeg, MB	(Tie) *768
WCYN	KY Cynthiana	Carl Dabelstein	Lincoln, NE	650
WIEL	KY Elizabethtown	John J. Rieger	South Milwaukee, WI	376
WFTG	KY London	Ernie Wesolowski	Omaha, NE	705
WFPR	LA Hammond	Steve Francis	Alcoa, TN	525
KAOK	LA Lake Charles	Carl Dabelstein	Lincoln, NE	761
KAOK	LA Lake Charles	Bob McCoy	Lincoln, NE	(Tie) 761
KWLA	LA Many	Tim Hall	Houston, TX	167
WMME	ME Augusta	Carl Dabelstein	Omaha, NE	1333
WIDE	ME Biddeford	Joe Kureth	Uniontown, MD	360
WMCS	ME Machias	Jerry Starr	Youngstown, OH	740
WWIN	MD Baltimore	Denis Picard	Trois-Rivières-Ouest, QC	528
WHTB	MA Fall River	Joe Kureth	Uniontown, MD	345
WHTB	MA Fall River	Barry McLarnon	Ottawa, ON	(Tie) 345
WLLH	MA Lowell	Joe Kureth	Uniontown, MD	367
WHMP	MA Northampton	Jeff Falconer	Clinton, ON	459
WRCC	MI Battle Creek	Barry McLarnon	Ottawa, ON	514
WQBH	MI Detroit	Shawn Axelrod	Winnipeg, MB	839
WLJN	MI Elmwood Township	Barry McLarnon	Ottawa, ON	484
WCCY	MI Houghton	Shawn Axelrod	Winnipeg, MB	432
WGON	MI Munising	Olle Alm	Abisko, Sweden	3642
WGON	MI Munising	Carl Dabelstein	Lincoln, NE	*634
WSAM	MI Saginaw	Shawn Axelrod	Winnipeg, MB	763
WSJM	MI St. Joseph	Barry McLarnon	Ottawa, ON	578
WKNW	MI Sault Ste. Marie	MB DXpedition	Valhalla Beach	643
KEYL	MIN Long Prairie	Rick Dau	Iowa City, IA	345
KMHL	MN Marshall	Ron Schiller	Monmouth Beach, NJ	1145
WMIN	MN St. Paul	Morris Sorensen	Winnipeg, MB	388
WHLB	MN Virginia	Esa Hänninen	Lemmenjoki, Finland	3817
WHLB	MN Virginia	Morris Sorensen	Amaranth, MB	*352
WBIP	MS Booneville	Ernie Wesolowski	Omaha, NE	614

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WMBC	MS	Columbus	Steve Francis	Alcoa, TN	298	
WFOR	MS	Hattiesburg	Steve Francis	Alcoa, TN	455	
WKXI	MS	Jackson	Barry McLarnon	Ottawa, ON	1186	
KFRU	MO	Columbia	Pete Taylor	San Francisco, CA	1632	
KJCF	MO	Festus	Frank Merrill	Holland, OH	424	
KSIM	MO	Sikeston	Dave Whatmough	Hamilton, ON	679	
KGBX	MO	Springfield	Shawn Axelrod	Winnipeg, MB	884	
KDRG	MT	Deer Lodge	Esa Hänninen	Lemmenjoki, Finland	4203	
KDRG	MT	Deer Lodge	Ernie Wesolowski	Omaha, NE	*901	
KXGN	MT	Glendive	Morris Sorensen	Leaf Rapids, MB	570	
KARR	MT	Great Falls	Pete Taylor	San Francisco, CA	872	
KBRB	NE	Ainsworth	Phil Bytheway	Seattle, WA	1149	
KCOW	NE	Alliance	Esa Hänninen	Lemmenjoki, Finland	4530	
KCOW	NE	Alliance	Shawn Axelrod	Winnipeg, MB	*591	
KLIN	NE	Lincoln	Esa Hänninen	Lemmenjoki, Finland	4321	
KLIN	NE	Lincoln	Shawn Axelrod	Winnipeg, MB	*612	
KLIN	NE	Lincoln	Tim Hall	Winnipeg, MB	(Tie) *612	
KBMI	NV	Henderson	Phil Bytheway	Seattle, WA	882	
KSHP	NV	North Las Vegas	Tim Hall	Crescent City, CA	628	
KBDB	NV	Sparks	Tim Hall	Crescent City, CA	278	
KWNA	NV	Winnemucca	Olle Alm	Abisko, Sweden	4565	
KWNA	NV	Winnemucca	Ernie Wesolowski	Omaha, NE	*1123	
	NH	Berlin				
WTSL	NH	Hanover	Russ Edmunds	Parsippany, NJ	225	
WLTN	NH	Littleton	Joe Kureth	Uniontown, MD	425	
WOND	NJ	Pleasantville	Tim Hall	Tampa, FL	913	
KMIN	NM	Grants	Tim Hall	San Diego, CA	552	
KTRC	NM	Santa Fe	Rick Dau	Oakland, IA	692	
KCHS	NM	Truth or Consequences	John Wilkins	Wheat Ridge, CO	473	
KTNM	NM	Tucumcari	Jerry Starr	Hubbard, OH	1300	
WABY	NY	Albany	UK DXPedition	Sheigra, Scotland	3048	
WABY	NY	Albany	Charles Reh	Leamington, ON	*449	
WYSL	NY	Buffalo	Russ Edmunds	Parsippany, NJ	268	
WDNY	NY	Dansville	Barry McLarnon	Ottawa, ON	217	
WSLB	NY	Ogdensburg	Charles Reh	Leamington, ON	401	
WBTB	NC	Beaufort	Barry McLarnon	Ottawa, ON	738	
WGBC	NC	Greensboro	John Wilkins	West Des Moines, IA	832	
WSHB	NC	Raeford	Barry McLarnon	Ottawa, ON	740	
WSIC	NC	Statesville	Barry McLarnon	Ottawa, ON	713	
WLSE	NC	Wallace	Joe Kureth	Southern Pines, NC	85	
WHCC	NC	Waynesville	Joe Kureth	Uniontown, MD	430	
WCNF	NC	Weldon	Russ Edmunds	Kinnelon, NJ	363	
KEYJ	ND	Jamestown	Charles Reh	Leamington, ON	860	
WMAN	OH	Mansfield	Bob McCoy	Lincoln, NE	740	
WMAN	OH	Mansfield	Carl Dabelstein	Lincoln, NE	(Tie) 740	
WPAY	OH	Portsmouth	Russ Edmunds	Kinnellon, NJ	484	
KWON	OK	Bartlesville	Olle Alm	Abisko, Sweden	4454	
KWON	OK	Bartlesville	Shawn Axelrod	Winnipeg, MB	*895	
KTMC	OK	McAlester	John Wilkins	Wheat Ridge, CO	613	
KNOR	OK	Norman	Olle Alm	Karesuando, Sweden	4644	
KNOR	OK	Norman	Shawn Axelrod	Winnipeg, MB	*1000	
KWIN	OR	Ashland	Pete Taylor	San Francisco, CA	307	
KIVR	OR	Cave Junction	Esa Hänninen	Lemmenjoki, Finland	4613	
KIVR	OR	Cave Junction	Nancy Johnson	Aberdeen, WA	*333	
KNND	OR	Cottage Grove	Esa Hänninen	Lemmenjoki, Finland	4499	
KNND	OR	Cottage Grove	Tim Hall	Chester, CA	*258	
KJDY	OR	John Day	Olle Alm	Abisko, Sweden	4344	
KJDY	OR	John Day	John Johnson	Sheridan, WY	*591	
KBCH	OR	Lincoln City	Tim Hall	Chilkoot Inlet, AK	#1091	
KBCH	OR	Lincoln City	Phil Bytheway	Seattle, WA	*197	
WEST	PA	Easton	Charles Reh	Leamington, ON	392	

						19
WJET	PA	Erie	Eric McIntosh	Invercargill, New South Wales	9141	
WBLQ	PA	Erie	Shawn Axelrod	Winnipeg, MB	*971	
WTCY	PA	Harrisburg	Ron Bailey	Shelby, NC	429	
WJAC	PA	Johnstown	Joe Fela	Newark, NJ	250	
WAMQ	PA	Loretto	Steve Francis	Alcoa, TN	434	
WKBI	PA	St. Marys	Carl Dabelstein	Omaha, NE	900	
WICK	PA	Scranton	Frank Merrill	Milan, MI	408	
WRAK	PA	Williamsport	Jim Renfrew	Rochester, NY	388	
WCOS	SC	Columbia	Andy Rugg	Pointe Claire, QC	881	
WGTM	SC	Georgetown	Ron Musco	Windsor, CT	700	
WMMZ	SC	Spartanburg	Rick Dau	Iowa City, IA	694	
KBJM	SD	Lemmon	Tim Hall	Custer State Game Lodge, SD	453	
WJZM	TN	Clarksville	Dave Schmidt	New Castle, DE	680	
WHUB	TN	Cookeville	Ron Musco	Windsor, CT	795	
WLSB	TN	Copperhill	Ron Bailey	Shelby, NC	159	
WKPT	TN	Kingsport	Barry McLarnon	Ottawa, ON	704	
WGAP	TN	Maryville	Shawn Axelrod	Winnipeg, MB	1169	
WZNG	TN	Shelbyville	Barry McLarnon	Ottawa, ON	883	
WNBG	TN	Waynesboro	Joe Kureth	Uniontown, MD	655	
KBYG	TX	Big Spring	Tim Hall	San Antonio, TX	261	
KUNO	TX	Corpus Christi	Don Trelford	Runaway Bay, Jamaica	1434	
KUNO	TX	Corpus Christi	Tim Hall	35miles west of Acaponeta, Nay	*639	
KILE	TX	Galveston	Wayne Heinen	Colorado Springs, CO	872	
KGVL	TX	Greenville	Shawn Axelrod	Winnipeg, MB	1143	
KYLR	TX	Waxahatchee	Jim Boehm	San Antonio, TX	195	
KEBE	TX	Jacksonville	Jim Boehm	San Antonio, TX	256	
KIUN	TX	Pecos	Tim Hall	Chula Vista, CA	800	
KEYE	TX	Perryton	Shawn Axelrod	Winnipeg, MB	907	
KVOF	TX	Plainview	Phil Bytheway	Seattle, WA	1413	
KVRP	TX	Stamford	Tim Hall	Tombstone, AZ	606	
KTEM	TX	Temple	John Wilkins	Wheat Ridge, CO	741	
KTFS	TX	Texarkana	Steve Ponder	Bossier City, LA	65	
KVOU	TX	Uvalde	Ernie Wesolowski	Omaha, NE	858	
KVOU	TX	Uvalde	Carl Dabelstein	Omaha, NE	(Tie) 858	
KSRR	UT	Provo	Olle Alm	Abisko, Sweden	4513	
KIXX	UT	Provo	Phil Bytheway	Seattle, WA	*732	
WDOT	VT	Burlington	Russ Edmunds	Parsippany, NJ	256	
WINA	VA	Charlottesville	John Wilkins	West Des Moines, IA	844	
WHHV	VA	Hillsville	Barry McLarnon	Ottawa, ON	649	
WHIH	VA	Portsmouth	Andy Rugg	Montreal, QC	616	
WINC	VA	Winchester	John Wilkins	West Des Moines, IA	827	
KLCK	WA	Goldendale	LEM96	Lemmenjoki, Finland	4346	
KLCK	WA	Goldendale	Tim Hall	Chula Vista, CA	*934	
KEDO	WA	Longview	Esa Hänninen	Lemmenjoki, Finland	4346	
KEDO	WA	Longview	LEM96	Lemmenjoki, Finland	(Tie) 4346	
KEDO	WA	Longview	Tim Hall	Frederick Sound-Farragut Bay, AK	#769	
KEDO	WA	Longview	Tim Hall	Chatham Sound, BC	*683	
KRSC	WA	Othello	Esa Hänninen	Lemmenjoki, Finland	4253	
KRSC	WA	Othello	Pete Taylor	San Francisco, CA	*650	
KITZ	WA	Silverdale	LEM96	Lemmenjoki, Finland	4243	
KITZ	WA	Silverdale	Tim Hall	Kamloops, BC	*231	
KTNT	WA	Tacoma	Nancy Johnson	Aberdeen, WA	68	
WBOY	WV	Clarksburg	Charles Reh	Leamington, ON	233	
	WV	Ronceverte				
WSPZ	WV	Spencer	Andy Rugg	Waterloo, ON	325	
WKWK	WV	Wheeling	Esa Hänninen	Lemmenjoki, Finland	4054	
WKWK	WV	Wheeling	Barry McLarnon	Ottawa, ON	*441	
WBTH	WV	Williamson	Jeff Falconer	Clinton, ON	413	
WATW	WI	Ashland	Barry McLarnon	Ottawa, ON	728	
WBIZ	WI	Eau Claire	Pete Taylor	San Francisco, CA	1671	
WDUZ	WI	Green Bay	Morris Sorensen	God's Narrows, MB	1035	

20	WRJN	WI	Racine	Shawn Axelrod	Winnipeg, MB	656
	WRDB	WI	Reedsburg	Niel Wolfish	Winnipeg, MB	542
	WRDB	WI	Reedsburg	Shawn Axelrod	Winnipeg, MB	(Tie) 542
	WRIG	WI	Wausau	Frank Merrill	Toledo, OH	374
	KATI	WY	Casper	Mike Hardester	Modesto, CA	854
	KODI	WY	Cody	Esa Hänninen	Lemmenjoki, Finland	4279
	KODI	WY	Cody	Ernie Wesolowski	Omaha, NE	*694
	WVOZ	PR	Carolina	Ron Schiller	Lighthouse Point, FL	1057
	CKSQ	AB	Stettler	Esa Hänninen	Lemmenjoki, Finland	3811
	CKSQ	AB	Stettler	Shawn Axelrod	Winnipeg, MB	*696
	CFLD	BC	Burns Lake	Phil Bytheway	Seattle, WA	499
	CHNL1	BC	Clearwater	Tim Hall	Glacier National Park, MT	373
	CKGR	BC	Golden	Phil Bytheway	Seattle, WA	356
	CKRP	BC	Princeton	Esa Hänninen	Lemmenjoki, Finland	4090
	CIOR	BC	Princeton	Tim Hall	Bandon, OR	*475
	CJEK	BC	Sparwood	Tim Hall	Glacier NP, MT	113
	CJEK	BC	Sparwood	Tim Hall	Johnston Canyon, AB	(Tie) 113
	CBWG	MB	Gillam	Morris Sorensen	God's Narrows, MB	200
	CBG	NF	Gander	Esa Hänninen	Ristiina, Finland	3116
	CKCB	ON	Collingwood	Shawn Axelrod	Winnipeg, MB	872
	CBLY	ON	Haliburton	Morris Sorensen	Head Lake, ON	58
	CBOD	ON	Maynooth	Tim Hall	Madawaska, ON	30
	CKOB	ON	Renfrew	Joe Kureth	Uniontown, MD	406
	CBEE	ON	Sturgeon Falls	Morris Sorensen	Emsdale, ON	74
	CKFL	QC	Lac Megantic	Charles Reh	Leamington, ON	632
	CJFP	QC	Rivière du Loup	Esa Hänninen	Espoo, Finland	3583
	CJFP	QC	Rivière du Loup	MB DXpedition	Valhalla Beach, MB	*1233
	CKRN	QC	Rouyn	MB DXpedition	Arnes, MB	819
	CKSW	SA	Swift Current	Phil Bytheway	Seattle, WA	683
	XEPF	BN	Ensenada	Mike Sanburn	Bellflower, CA	165
	XEI	Mich	Morelia	Tim Hall	50 mi W of Santiago Ixcuintla, Nay	335
	XELH	Nay	Acaponeta	Jim Boehm	San Antonio, TX	638
	XESH	NL	Cd Sabinas Hidalgo	Jim Boehm	San Antonio, TX	233
	XEFS	Pue	Izucar de Matamoros	Jim Boehm	San Antonio, TX	753
	XEEX	Sin	Culiacan	Tim Hall	Rancho Bernardo, CA	813
	XEAB	Son	Santa Ana	Tim Hall	Poway, CA	441
	PJB2	NA	Bonaire	UK DXpedition	Sheigra, Scotland	4548
	CMFA	CU	Guaimaro	Shawn Axelrod	Orlando, FL	534
	HLoW	GJ	Carriacou	Jean Burnell	Middle Cove, NF	2486
	ZYJ462	BR	Rio de Janeiro	NF DXpedition #4Team	Cappahayden, NF	4867
	CX140	UY	Tacuarembó	NF DXpedition #4Team	Cappahayden, NF	5440
	YVZJ	VE	Barinas	Tim Hall	Crane Beach, Barbados	803
	JOQL	JPN	Kushiro	Pete Taylor	San Francisco, CA	4652
	BEV98	Taiwan	Kaohsiung	Pete Taylor	Hong Kong	391

- MB DXpedition = [Shawn Axelrod, Wayne McRae]
- NF DXpedition #4= [Jean Burnell, David Clark, Mark Connelly, Bruce Conti, Neil Kazaross, Jim Renfrew]
- UK DXpedition = [Steve Whitt, Mark Hattam, Clive Rooms]
- HLoW = Harbour Light of the Windwards

## Problems, Problems?

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**See? No problem!**

# Geomagnetic Summary

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High "A" values indicate possible auroral conditions

## Geomagnetic Summary November 20 2003 through January 27 2004

SWF - Space Weather Forecast pca - polar cap absorption  
maf - major flare SWT - Space Weather today  
mas - major storm spe - satellite proton event  
mis - minor storm ss - severe storm

Tabulated from email status daily.

Date	Flux	A	K	Space Wx Today	Space Wx Forecast	Au
11/20	155	14	2	minor	moderate	3
21	175	103	5	severe	severe	10
22	177	32	3	strong	minor	8
23	176	16	4	minor	minor	8
24	178	21	4	minor	minor	8
25	177	10	3	no storms	minor	7
26	171	14	2	no storms	minor	6
27	171	6	2	no storms	minor	6
28	175	8	3	no storms	minor	2
29	168	6	2	no storms	minor	4
11/30	166	8	2	no storms	minor	4
12/1	153	9	2	no storms	no storms	1
2	43	10	2	no storms	no storms	5
3	139	8	2	minor	minor	4
4	124	4	1	minor	minor	6
5	116	6	3	no storms	no storms	6
6	112	35	5	moderate	minor	8
7	109	23	4	minor	minor	6
8	92	17	3	no storms	no storms	7
9	94	35	4	moderate	minor	8
10	92	24	6	minor	minor	9
11	89	40	5	moderate	minor	9
12	86	45	4	moderate	minor	9
13	87	23	5	no storms	minor	9
14	88	27	3	minor	minor	9
15	92	29	5	minor	minor	9
16	101	27	3	minor	no storms	9
17	106	13	2	no storms	no storms	9
18	118	10	1	no storms	no storms	5
19	123	6	2	no storms	no storms	4
20	123	1	1	no storms	minor	3
21	130	16	3	no storms	minor	8
22	133	18	3	no storms	minor	6
23	138	18	3	no storms	no storms	7
24	142	6	2	no storms	no storms	6
25	139	5	2	no storms	no storms	6
26	139	8	2	no storms	no storms	5
27	137	11	3	minor	no storms	5
28	127	12	3	no storms	no storms	5
29	119	13	3	no storms	no storms	6
30	115	5	1	no storms	no storms	5
12/31	108	8	3	no storms	no storms	9
1/1	106	17	3	minor	minor	8
2	116	29	4	minor	no storms	7
3	117	11	2	no storms	no storms	6
4	116	25	4	minor	minor	6
5	119	21	2	no storms	no storms	7
6	123	19	3	moderate	minor	9
7	118	19	5	moderate	moderate	10
8	119	38	3	moderate	minor	6
9	120	6	3	minor	minor	5

10	118	21	2	minor	minor	6
11	119	24	2	minor	minor	6
12	119	17	2	no storms	minor	3
13	118	7	3	no storms	minor	7
14	118	22	3	no storms	minor	6
15	121	10	2	no storms	no storms	6
16	119	14	3	no storms	no storms	10
17	120	20	4	minor	no storms	9
18	123	15	3	moderate	minor	6
19	120	14	3	minor	minor	7
20	135	16	3	minor	minor	7
21	129	17	3	moderate	minor	6
22	130	11	5	minor	minor	9
23	122	46	4	strong	minor	8
24	115	30	3	minor	minor	7
25	108	18	3	no storms	no storms	9
26	102	23	3	minor	no storms	9
1/27	98	17	4	no storms	no storms	7

# Musings

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## of the Members

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

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

Here is the NRC column that will offer free coupons to any member sending in 6 or more Musings this season. The coupons aren't good for anything, they're just free! Please keep your items radio and listening related and written in English, reports in jive will not be accepted. Here we go:

John R. Malicky - 995 Shadycrest Road - Pittsburgh, PA 15216-3046

Hello again all; hope your holiday season went well and 2004 will bring you more DX! On 11/23 (03), I attended RAY ARRUDA's "Lower Deck" get together in Acushnet, MA. This was Ray's 26th event and 10 radio fans and spouses attended. They included Ray & Arlene (naturally), BOB & PATTI STONIER, MARK CONNELLY, GLENN COOPER, CRAIG HEALY, myself, and 2 new faces, JOHN DUNN and CHRIS BLACK. Things started around noon. I arrived about 3PM. I must say it was a thrill to listen to AM radio, also, oldies live on WHYL-960 and WGHT-1500, and WINS-1010 says they are the most listened-to station in the nation, the 120th game on Yale radio on WYBC-1340 while WGP-1100 sounded like they were running college footballs oldest rivalry, Lehigh-Lafayette. WSKO-790 was airing Brown-Columbia while WHJJ-920 concluded RI's season. After dinner at the Cafe Roma in Acushnet, the office; 2003 Banquet, some DXing was done. Mark twisted the dials while Craig mentioned he does engineering for 6 stations in RI & MA (almost as many as you, Dave!) (Not quite, John-DWS). On 11/23, Ray, Bob & I took a trip to Ray's ARRL Club 'SEMARA', where President Arruda signed Bob & me for a one time \$20 lifetime member fee. We met some of the members and also took a tour of the building they acquired in 1955. The club was founded in 1932 and has 250 members. The radio room had a wall of ham cards from all over the world. The club has 4 towers/antennas for their use for the ham frequencies. In 1999, the club signed an agreement with NETCOM to build a 180-foot tower for various communications services, so this is how the club can offer lifetime memberships. On 11/24, Ray & I started out on "The Excellent Adventure", with breakfast locally then our next stop, Boston and 20 Guest Street, home of Entercom's WRKO-680/WEEI-850/WQXS-93.7/WAAF-107.3. Eric Fitch, Engineering manager, gave us a great tour of the facilities. Highlights included meeting Howie Carr and Lyndon Byers. WEEI is also 'repeated' in Worcester on WVEI-1440. Our next stop was WBZ-1030. Since 1947, WBZ and now TV4 (and UPN 28 & 38) have operated from 1170 Soldiers Field Road. Mark Manuelian, Engineering manager, gave us the tour of the facilities. Mark had on display, also, a historic WBZ microphone and also gave us a current card used for verifications. We also met with Bob Hess, Director of Operations and Engineering, who was our tour guide at WBZ's 2 towers in Hull, MA during the '94 Nashua convention. Later on, we then watched the Celtics lose 94-88 to the Knicks, on "The Zone WWZN-1510" with Eddie Adelman. The day was a 'slam dunk' (except for the \$25 parking fee!). Thanks Ray & Arlene! 11/25 the return trip began with a stop in Groton, CT but the Submarine Museum was closed. An attempt at getting a tour of Citadel's WSUB-980/WXLM-102.3/WMOS-104.7/WQGN-105.5 was 'sunk' as no tour could be arranged. Their loss, my gain, and a much greater opportunity existed as tour arrangements were made at the impressive "ESPN Sportscenter" in Bristol, CT. Radio is in one building, TV in another and about 20 satellite dishes! Final stop was in Scranton to visit a friend (called Dave but he was out to lunch!) and saw the Scranton Times building downtown, home of WEJL-630 and its 150 foot Christmas lighted tower! And to all a good night! 73 (and thanks for the fine report John, enjoyable!-DWS)

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

Another piece of equipment that I recently brought here is an unusual series from the R390 collection (stored in Delaware). This is an R390 with "auto tune"; it appears to have a motorised tuning section in it, and I think it was called an R-391. I do know it needs some work; a few of the knobs are missing (they're still available from Fair Radio Sales in Lima, OH). I also have a Hammerlund SP600 with the RF deck missing from it; anyone know where parts might be available for this set? On eBay, I recently saw an R390a sold for over \$900! Fair Radio is still offering them at less than \$500. And to think I got a 'mint' unit at the Timonium (MD) Hamfest back in the early '80's for \$85 (it would have been more if I didn't carry it out myself!). Musings? We need to hear from YOU!

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

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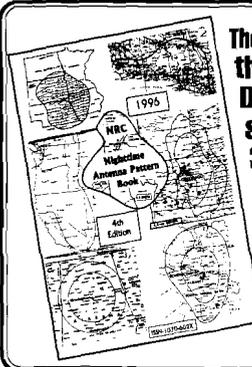
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