



December 18, 2004 - Volume 42, Number 14 - Edition 1336 - ISSN 899-9733

**EIC Notes**

No new this time. Even more new DX Tests!!!

**New from the IRCA reprint service. "IRCA REPRINTS ON CD"!!!** 648 Reprints. The entire set, now on one CD. Only \$10.00 (US/Canadian IRCA members, overseas contact Lee.) Categories include: Antennas, Domestic, Foreign, History, DX Lists, Receivers and Receiver Modifications, and Technical. Send to: **IRCA Reprints, c/o Lee Freshwater, 414 S.E. 3 RD ST, Ocala, FL 34471.** Allow 3-4 weeks for delivery.

**NEW IRCA TIS/HAR List!!! Mike Hardester** has completed the most up to date list yet. 56 pages of top-notch information on current TIS/HAR stations in the AM Band. Get your copy now from the IRCA Bookstore for \$8.50 (IRCA members). Overseas, add \$3.00. Non-IRCA members, add \$1.00. IRCA Bookstore, 9705 Mary Ave NW, Seattle WA 98117-2334 (checks payable to **Phil Bytheway**.)

**IRCA PRESIDENT**

**Nick Hall-Patch – 1538 Amphion St – Victoria, BC, Canada V8R 4Z6**  
E-mail: [nhp@ieee.org](mailto:nhp@ieee.org)

**NOTICE OF UPCOMING ELECTIONS**

From December 1, 2004 through January 15, 2005 nominations are open for President, Secretary-Treasurer, and the seven members of the Board of Directors. Only one nomination each for President, Secretary-Treasurer, and only seven nominations for the Board shall be allowed each IRCA member. An eligible member may nominate him/herself. All nominations must be submitted in written form (letter, fax or e-mail) to the Election Committee Chairman (ECC) by January 15, 2005.

The ECC will notify all nominees of their nomination by February 1, 2005. Each nominee (unless it is a self-nomination) must reply in writing (letter, fax, e-mail) if they accept their nomination, and each acceptance letter may include a campaign statement, not to exceed 20 bulletin lines in a March issue of DX Monitor. Campaign statements are not required. If a member is nominated for more than one office, he/she must decide which office, or offices, they choose to run for and may include a campaign statement for each office selected. All letters of acceptance and campaign statements must reach the ECC by February 20, 2005.

The campaign statements, in alphabetical order, and the ballot will be prepared by the ECC and sent to the Publisher by March 1 for distribution. All ballots must be received by the ECC no later than 0001, Mountain Local Time, May 1, 2005.

In addition to the balloting for the officers and Board of Directors, there will be voting for the 2005 **Ted Vasiopoulos Award** and the **Ric Heald Award**. As we get closer to the elections, there will be more information published on these two awards.

Please note that the Election Committee Chairman (ECC) is **Ray Bauernhuber**. His address is 151-64 18th Ave., Whitestone, NY 11357-3102 and e-mail is [DXRADIO@webtv.net](mailto:DXRADIO@webtv.net). If you have any questions on the election process, please contact Ray or myself.

Best wishes for the upcoming holidays (don't forget to DX), Nick

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**WLIK-AM** Newport, Tennessee

**DX Tests – Les Rayburn – [les@highnoonfilm.com](mailto:les@highnoonfilm.com)**

Daily	0255-0305	1220	WRIB	Providence RI	(Healy)
* 12/15/04+	0915-1445	1620	WB3XNN	Milford PA	(Schmidt)
12/22/04	0200-0400	1060	KTNS	Oakhurst CA	(IRCA)
1/ 9/05	0000-0200	990	WXCT	Southington CT	(Barnes)
1/ 9/05	0200-0330	560	WFIL	Philadelphia PA	(Tetro)
1/24/05	0200-0600	1530	KFBK	Sacramento CA	(IRCA)

Lots of DX Test related news to report. Please read each item carefully, as there are individual circumstances with each test. If you have questions, feel free to e-mail me directly. [les@highnoonfilm.com](mailto:les@highnoonfilm.com).

Our sincere thanks to Mr. Rene Tetro, Mr. Larry Gamble, Mr. Ross du Clair, and Mr. Ron Barnes for arranging these tests. DX'ers everywhere are very grateful!  
73 and Good DX, **Les Rayburn, N1LF, IRCA CPC Chairman**

**WRIB 1220khz Providence RI TEST.** Daily, from 2:55am-3:05am EST - WRIB-1220 - Providence, RI. Craig Healy reports that the long running DX test at WRIB 1220 in Providence, RI continues to run daily from 02:55AM EST until 03:05AM EST. WRIB automatically switches to daytime power and pattern (1KW ND) during the top of the hour.

Reception reports (with return postage) may be sent to:

**Craig Healy, NG1U**  
WRIB  
200 Water St.  
East Providence, RI 02914

OR

**WWW: <http://www.wrib.com>**  
(Arranged by **Craig Healy, NG1U** and **AM-DX.COM**.)

**WB3XNN 1620khz Milford, PA TEST.** Date(s): About December 15th thru end of January. Time: Non-Critical Hours 09:15AM EST until 1445PM EST. Modes of Operation: 1KW Daytime Non-Directional. Programming: Un-Modulated Carrier with ID's at TOH.

Test is being conducted by Digital Radio Engineering for field intensity experiments concerning area ground conductivity. A full DX Test will be conducted (hopefully at night) before the competition of measurements in January.

Below is the full text received from Dave Schmidt:

WB3XNN - 1620 kilohertz should be on the air about December 15th. This station licensed to Milford, PA (near Port Jervis...) is being operated for field intensity measurements of the ground conductivity in the area. This will be operating during non critical hours (approx. 0915 til 1445) with an unmodulated carrier, ID's given on the hour. Power will be 1000 watts into a 50 foot top loaded single tower. (For those in to tower currents, that adds up to 8.8 amps at 14 ohms!) Tests should continue through the end of January.

Reports can be sent to Dave Schmidt c/o: Digital Radio Engineering, 2927 US Route 6, Slate Hill, NY 10973

**KTNS 1060khz Oakhurst, CA TEST.** Date: December 22, 2004. Time: 0200-0400 EST (2 Hour Test.) Modes of Operation: 5KW Daytime Non-Directional. Programming: Morse IDs, Voice IDs, Sweep Tones, Old Television Theme songs. Morse Code ID's are at both 10WPM and 5WPM, 1000hz.

Test is being conducted by Mr. Larry Gamble, station owner/operator who will be retiring soon. He has done several DX Tests over the years. Mr. Gamble would prefer to verify reception reports via e-mail only. Written reports or short MP3 clips are sufficient for verification.

Send e-mail reports to: Larry W. Gamble: [mtkaat@sierratel.com](mailto:mtkaat@sierratel.com).

Tests Notes: Oakhurst is located in Central California near the Yosemite National Park. Past DX tests have resulted in reports from most of the Western US. Note too the use of television theme songs as program material. Hopefully these will be easier to pull out of the noise. An example might be the theme from the Addams Family, etc.

**ANOTHER DUAL STATION TEST NIGHT-MARK YOUR CALENDARS**

**WFIL 560khz Philadelphia, PA TEST.** Date: January 9, 2005. Time: 02:00-03:30 EST. Modes of Operation: 02:01 - 02:30 7.1KW Daytime Directional Pattern. 02:31 - 03:00 2.5KW Non-Directional. 03:00 - 03:30 Off Air to allow DXers in our region of the country to DX other stations on 560 kHz. Programming: Morse IDs, Voice IDs, Tones, Marching Band Music - Stars and Stripes Forever, Washington Post March, Liberty Bell March (the old Monty Python Theme.)

Reception Reports for the WNTP and WFIL tests should be sent to Rene Tetro by email at [rtetro@pobox.com](mailto:rtetro@pobox.com) or by snail mail at:

**Rene' Tetro**  
Chief Engineer  
WNTP-WFIL  
117 Ridge Pike  
Lafayette Hill, PA 19444-1901

Mr. Tetro will be sending out newly designed QSL Cards for each station with a special label/stamp on the reverse side noting the special DX Test to those who respond.

**WXCT 990kHz Southington, CT TEST.** Date: January 9, 2005 (Late Sunday night into Monday morning.) Time: 00:00AM EST to 02:00AM EST (2 Hour Test.) Modes of Operation: 00:00-00:30 Full day power 2.5kw and pattern. 00:30-01:00 1kw Non-Directional. 01:00-01:30 80 Watts Directional Night Pattern 01:30-02:00 Off air to allow locals to DX 990kHz. Programming: Mixture of Morse Code ID's, unique test tones, voice announcements and "most notably, you will hear music never heard before and probably never again on the radio!"

This special test is being conducted Mr. Ron Barnes, the Chief Engineer. The test schedule makes it obvious that Mr. Barnes is very interested in seeing how the station performs over the entire test. If you can, try to observe how the signal changes strength as the power is reduced and include that information in your reports.

Any reception reports should be sent to:

WXCT AM 990  
440 Old Turnpike Road  
Plantsville, CT 06479  
ATTN: **Ron Barnes CE**

Information about this test comes from a posting by Mr. Barnes to the "Radio-Info DX Web Board" and several e-mails exchanged with Mr. Barnes and noted DX'ers. Word is that the "full test" will go on as scheduled, with last Friday's brief test being a bonus for alert DX'ers.

**KFBK 1530kHz Sacramento, CA TEST.** Date: January 24, 2005. Time: 0200-0600 EST (4 Hours ID's ONLY Test.) Modes of Operation: 50KW Night Time Directional Pattern. Programming: :60 and :30 Morse Code and Phonetic Voice ID's Only during program breaks.

This special test is being conducted by Ross du Clair, Ph.D.,- WA6VWY, who is the Chief Engineer for "News Talk 1530" and other Clear Channel stations. Due to programming commitments, test will be limited to commercial breaks only during regular programming. ID's will consist of both Morse Code at 10WPM, 1000hz and phonetic voice announcements... such as:

"This is Kilo Foxtrot Bravo Kilo".

Reception reports should again be submitted via e-mail directly to Mr. du Clair at: Duclair, Ross: [rossduclair@clearchannel.com](mailto:rossduclair@clearchannel.com).

=====  
Last Friday night generated one of the most exciting DX Tests in recent memory, including an impromptu second test by WXCT in Southington, CT during the "silent period" of the WNTP test!

While unannounced, this second test period was most welcome by alert listeners. Fortunately, many were closely monitoring the flow of e-mail on the list servers and were alerted to the new test by this method. Look for a complete test from WXCT on January 9th.

Here is a summary of the test results for both stations:

**WNTP 990kHz Philadelphia, PA TEST.** Date: December 10, 2004 (Late Friday night into Saturday morning.) Time: 00:01 - 01:30 EST. Modes of Operation: 00:01 - 00:30 50KW Daytime Directional Pattern. 00:31 - 01:00 5KW Non-Directional. 01:00 - 01:30 Off Air to allow DXers in our region of the country to DX other stations on 990 kHz. Programming: Morse IDs, Voice IDs, Tones, Marching Band Music - Stars and Stripes Forever, Washington Post March, Liberty Bell March (the old Monty Python Theme)

Among those who heard the test were Bill Harms in Elkridge, Maryland who was the first to report that the test was running. Tom Janinski reported that the sweep tones used in the test cut through the clutter at his QTH in Shorewood, IL.

Les Rayburn in Central Alabama heard the station with code and March music in Central Alabama, while J.D. Stevens pulled them out from the northern part of the state. Bill Dvorak in Madison, WI heard fragments of the code along with Steve Francis in Tennessee. Neil Kazaross was deprived of his normal weapon of choice, the beverage on the ground (BOG) array and instead logged the WNTP code ID's on a TRF portable near Chicago!

Kaz reported that it was an easy logging after the switch to the non-directional pattern. WNTP was another good catch for Robert Ross in London, Ontario Canada who had a detailed log of the test.

After the station switched to lower power (7KW) but a non-directional pattern some listeners saw their luck improve. Among those loggings were Jim Renfrew in Byron, NY, Scott Fybush in Rochester, NY and Barry McLarnon in Ottawa, Ontario (who can hear everything it seems!).

Another spectacular logging was that of Patrick Martin in Seaside, OR who logged the test with those amazing beverage antenna's of his. Closer in Ray Bauernhuber caught the test on a CC Radio from his home in NY as did Jim Hunter in Rossville, Georgia. Another Southerner who heard the test was Col. RC Watts in Kentucky, who dug the signal out of the classic music sounds of CBW, which dominated the frequency.

David Hochfelder in Highland Park, NJ heard them as did Tom Jones in Mason, NH. Tom reported that the sweep tones seemed to cut through the noise best--we'll try to encourage more stations to use these in the future.

Tom Kenny in Toms River, NJ reported, "Holy Cow! My first real DX test". His excitement grew later as he also logged the test from WXCT.

Others who tried for the test without success or still have some reviewing of recordings to do included Gerry Bishop in Niceville, FL who battled strong signals from Texas and Tennessee, Willis in Old Fort, TN heard sweep tones, but wasn't confident enough to call it a logging.

Mike Booker in Toronto heard bits of code and sweeps, but was uncertain about calling it a success. He's got them in the logs already from when they were still WZZD.

Tim Hall in San Diego tried for the test, but found the distance and the clutter too much for success. Patrick Griffith near Denver shared that fate. Blaine Thompson was also disappointed in Fort Wayne, IN, along with Nick Hall-Patch who tried for the test.

Powell Way forgot about the test until late, only to find the frequency clobbered by WEEB in North Carolina... no joy in South Carolina. Phil Greenspan tried for the test in MA, but got too much grief from WALE to pull it in. Greg Myers and Robert Foxworth suffered a similar fate, listening to kids tunes from Radio Disney in nearby Miami rather than the hoped for test signals.

Even an AOR 7030 and a 150' EWE antenna couldn't help Mike Stonebridge pull out the test from his home in St Isidore AB. Eric in St. Louis also failed to pull in an ID. Bruce Portzer had similar bad luck in Seattle.

**WXCT 990kHz Southington, CT TEST.** Date: December 10, 2004. Time: 01:00AM EST to 01:30AM EST (30 Minutes.) Programming: Morse Code, Sweep Tones, Voice IDs, and unusual music.

Any reception reports should be sent to...

WXCT AM 990  
440 Old Turnpike Road  
Plantsville, CT 06479  
ATTN: Ron Barnes CE

Test Results:

CE Ron Barnes powered up the WXCT 990kHz transmitter during the WNTP "Silent Period"... so total duration was about 30 minutes. Despite no publicity for this test, it was caught by several listeners including Bill Harms in Maryland, Rene Tetro from the transmitter site of WNTP in Philadelphia, Jim Renfrew in Western NY, and Les Rayburn in Alabama.

Neil Kazaross also logged this station from his home in Barrington, IL near Chicago. Two for one! Robert Ross in London, Ontario Canada, Scott Fybush in NY, David Hochfelder in Highland Park, NJ, and David Hochfelder in Highland Park, NJ also managed to hear both tests.

Bill Whitacre heard fast code followed by what he termed "Dragon Dance Music" (actually a tune called "The Sabre Dance.")

Bill Dvorak tried for WXCT in Madison, WI but couldn't pull them out during the short duration. He's hoping for better results in January.

A very enjoyable evening of DXing which resulted in Santa bringing an early gift of a second test for alert DX'ers. Thanks to Mr. Rene Tetro and Mr. Ron Barnes for the tests. Also special Christmas cheer to DX'er Scott Fybush who suggested the impromptu test to WXCT.

73, Les Rayburn, N1LF, IRCA CPC Chairman

**The TOWER SITE CALENDAR 2005** is now shipping from Scott Fybush's NorthEast Radio Watch/Tower Site of the Week. This year's calendar again covers the continent, showcasing everything from the former CFNB 550 Fredericton NB to KTYD 99.9/KTMS 990 in Santa Barbara CA, with stops along the way ranging from Binghamton to Roanoke to Las Vegas to the roof of Chicago's John Hancock Center. And as always, the calendar features more than a dozen full-color 8.5x11" photos - plus hundreds of historic broadcasting dates and events. It's available for \$16 (\$17.32 to New York State addresses) postpaid from **Scott Fybush**, 92 Bonnie Brae Avenue, Rochester NY 14618, or order on-line at [www.fybush.com](http://www.fybush.com). (And if you still need the 2004 edition, those are available, too - \$8 each postpaid, or \$20 for both the 2004 and 2005 editions, plus 8.25% sales tax in New York.)

## WESTERN DX ROUNDUP

**Nancy Johnson – 265 Waterton Wy – Billings, MT 59102-7755**

E-mail: [NancyJohnson@prodigy.net](mailto:NancyJohnson@prodigy.net)

WDXR DEADLINES: Each Friday. Please use Eastern Time.

REPORTERS FOR THIS ISSUE:

- (RA) **René E. Auvray**-Henderson, NV  
General Electric P2900A, Grundig Yacht Boy 400 P.E.
- (BB) **Bill Block**-7716 E. Thelma Dr.-Prescott Valley, AZ 86314 [billwblock@msn.com](mailto:billwblock@msn.com)  
R-390A, HQ-140-XA, FRG-7, 150, 100 and 55 foot long wires
- (GH) **Glen Hansen**-1925 Tualatin St.-St. Helens, OR 97051 [skinner@columbia-center.org](mailto:skinner@columbia-center.org)  
Drake R8B, R-390A, SP-600, Hallicrafters SX-100, various longwires, amplified Sanserino loop, RS loop

(PM) **Patrick Martin**-P.O. Box 843-Seaside, OR 97138-0843 [mwdxer@webtv.net](mailto:mwdxer@webtv.net)  
 Drake R8, 1500' Eastern Beverage

(DP) **Doug Pifer**-3410 Marion St. SE-Albany, OR 97322 [oregon4wd@comcast.net](mailto:oregon4wd@comcast.net)  
 Drake R8B, Kiwa loop, 100' long wire

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600 KOGO CA, San Diego 12/9 0402 poor, ABC news, really weak ID "Newsradio 600 KOGO." (DP-OR)

670 KIRN CA, Simi Valley 11/29 2100 mention of Los Angeles in Farsi (Iranian) then suddenly faded out. First time heard in NV. (RA-NV)

730 KULE WA, Ephrata 12/9 0528 poor, just ID in mix. Mention of Fox Sports. Connected? (DP-OR)

740 CHWO ON, Toronto 12/10 good over KCBS with adult standards format, ID 0300 "The most lucrative station in Canada by people age 50 plus is Toronto's AM 740." Beautiful signal. This one is not too common here. No sign of CBX. (PM-OR)

840 KXNT NV, North Las Vegas 12/6 2330 ad for Audi automobiles and soft water treatment system. Weak and scratchy in & out of the static. (GH-OR)

880 KIXI WA, Mercer Island 12/5 2315 jingle ID in female voices with NOS format and fair signal over unIDs. (GH-OR)

980 KFWB CA, Los Angeles 11/29 2021 noted logo "You give us 22 minutes, we'll give the world." Mentioned news, sports and weather to follow. First time heard. QRM from local KNUU Paradise, NV. (RA-NV)

1130 KSDO CA, San Diego 11/29 2026 noted an ad in Spanish with San Diego and Tijuana mentioned. QRM from other stations. CKWX may have been one. (RA-NV)

CKWX BC, Vancouver 11/29 2005 news of the Vancouver area, fair with QRM, 1st time early logging. (RA-NV)

1200 WOAI TX, San Antonio 11/29 2000 ending of "The Rest of the Story" by Paul Harvey, followed by call ID. Weak, attempting to get through QRM. (RA-NV)

1230 KZZR OR, Burns 12/5 0000 man gave legal ID and played C&W in a jumble with at least 2 others. Seldom hear this graveyarder. (GH-OR)

1280 KFRN CA, Long Beach 12/6 0530 poor, just OM with ID "KFRN Long Beach," under music. (DP-OR)

1290 KGVO MT, Missoula 12/6 0606 fair, news then into Coast to Coast. (DP-OR)

1300 KROP CA, Brawley 11/29 2007 mentioned years of airing C&W music, came up through QRM. (RA-NV)

1310 KFVR CA, Crescent City 12/9 0300 fair, watched this for several days. Spanish, "Radio Diaz AM" after almost every song. Finally, ID heard "KFVR Fortuna, Eureka, KFVR Crescent City... Uno Mexico." New. (DP-OR)

1320 KFNZ UT, Salt Lake City 12/2 0100 heard "K-Fans" ID and ad into Kevin Wheeler show. Really weak and sputtering in the static. Drake on N-S- wire. (GH-OR)

1330 KLBS CA, Los Banos 12/6 0433 fair, "You're listening to 1330 AM Los Banos," classy Latin polka-like music. New. (DP-OR)

1360 KOHU OR, Hermiston 12/9 0715 fair over/under KKMO with country music, many local ads. Haven't heard this one in a few years. (DP-OR)

1450 KZNU UT, St. George 12/3 0100 barely caught ID in a 3-way jumble of unIDs. Sports talk with very weak signal. New. (GH-OR)

1460 KUTI WA, Yakima 12/3 0030 C&W music with many "Country Cutie" ID's, fair to poor in & out of the static. SX-100 on E-W- wire. (GH-OR)

1580 KBLA CA, Santa Monica 12/6 0900 ID in English "KBLA Santa Monica" then into Spanish. (BB-AZ)

1600 KCKK CO, Lakewood 12/6 0524 poor, just an ID then country music, under/over mix. (DP-OR)

1660 KXOL UT, Brigham City 11/29 2015 call ID between oldies, fair with QRM. (RA-NV)

**DX TEST**  
 1220 (WRIB) RI, Providence 12/6 0000 not heard. Nothing intelligible in the jumble. (GH-OR)

**UNID**  
 850 UNID 11/29 2316 man and lady with what may have been ad. No KOA at that moment. If from Mexico, where? (RA-NV)

940 UNID 11/29 1939 ESPN Radio mentioning Monday Night Football and NBC News. Some QRM, then faded out. Who carries ESPN on 940? (RA-NV)

Thanks to our reporters in Nevada, Arizona and Oregon for our WDXR this week. Nancy 12/10 2100



## CENTRAL DX ROUNDUP

**John C. Johnson – 265 Waterton Wy – Billings, MT 59102-7755**

E-mail: [John\\_Johnson@prodigy.net](mailto:John_Johnson@prodigy.net) CDXR reports ONLY: [cdxr@prodigy.net](mailto:cdxr@prodigy.net)

### RIDING GAIN

[PAL-MN] **Paul A. LaFreniere**, Grand Marais, MN [Plafren@boreal.org](mailto:Plafren@boreal.org)  
 McKay Dymek DR-22, DA-100, Superadio III

[JJR-WI] **John J. Rieger**, South Milwaukee, WI [JohnJRieger@WebTV.net](mailto:JohnJRieger@WebTV.net)  
<http://DX-midAMerica.com> <http://DXMWM.com>  
 Drake R8, Icom IC-R75, Icom IC-T70, Kenwood R1000, Yaesu FRG100, Kiwa loop, 100' longwire, Terk AM 1000 Loop, MF J959B, GE Superadio III.

[MS-MB] **Morris Sorensen**, Winnipeg, MB [mossor2002@shaw.ca](mailto:mossor2002@shaw.ca)  
 Drake R8 with Quantum QX Pro Loop, DX-392 and YB-400 portables.

### DOWN THE DIAL

580 CKPR ON, Thunder Bay. 12-5 poor, alone. 18:38 with promo, jingle, spots. [JJR-WI]

730 CKAC PQ, Montreal. 12-5 poor, alone. 18:32 with FF "CKAC." [JJR-WI]

800 CJBQ ON, Belleville. 12-5 poor. No CKLW. 18:23 with "800 CJBQ" and country format. New logging for me. [JJR-WI]

KXIC IA, Iowa City. 12-5 poor. No CKLW. 18:28 promo for job fair, ID, spots. [JJR-WI]

920 CFRY MB, Portage la Prairie. 12-5 fair in WOKY's OC. 07:42 with jingle, ID, weather. Country music format. [JJR-WI]

WBAA IN, West Lafayette. 12-5 poor through WOKY OC. 08:00 with ID. [JJR-WI]

930 WBEN NY, Buffalo. 12-7 poor with others, no WAUR. 05:54 with local news, ID. [JJR-WI]

WLBL WI, Auburndale. 12-8 poor with others. 07:05 with WI Public Radio. [JJR-WI]

WTAD IL, Quincy. 12-5 poor over unID with NOS. 19:28 with promo, ID. [JJR-WI]

940 WMAC GA, Macon. 12-5 poor under CINW. 03:06 with ID, Art Bell. [JJR-WI]

970 KJLT NE, North Platte. 12-4 poor with others. 18:07 with news, ID. [JJR-WI]

WMAY IL, Springfield. 12-9 poor. 06:05 with local spots, ID, talk format. [JJR-WI]

WOXL NC, Canton. 12-11 poor, alone. 06:07 with jingle. Oldies format. [JJR-WI]

1040 CKST BC, Vancouver. 12-9 under WHO until fade. 08:12 with sports talk, local spots, "Sports Radio" mentions and "Team 10-40" slogans. More spots. New. [PAL-MN]

1070 CBA NB, Moncton. 12-5 good. 06:23 with light music, weather. [JJR-WI]

1120 WKCE TN, Marysville. 12-8 very poor in KMOX null. 07:00 with ESPN programming, legal ID. Only the 2<sup>nd</sup> time heard here. [JJR-WI]

1160 WKCM KY, Jawesville. 12-4 poor through WYLL and others. 06:43 with ID, Real Country format. [JJR-WI]

1190 WSDQ TN, Dunlap. 12-4 very good, no WOWO. 07:22 with ID, Reel Country. [JJR-WI]

1270 WCGC NC, Belmont. 12-5 poor, alone. 18:50 with Bluegrass Show, ID, spots. [JJR-WI]

1280 KCNI NE, Broken Bow. 12-10. 08:12 with local weather, and local spots. New. [PAL-MN]

KCOB IA, Newton. 12-6. 08:36 with local news and sports. New. [PAL-MN]

1290 KUOA AR, Siloam Springs. 12-8. 17:30 with Sean Hannity and then "Fox News on KUOA." New logging for me. [PAL-MN]

1320 CHMB BC, Vancouver. Tentative. 12-4 poor. 08:55 probably the Asian language station heard, but no ID. [MS-MB]

1330 WTRE IN, Greensburg. 12-11 poor. 06:24 with very clear "WTRE" ID. Rare. [JJR-WI]

1350 KCHK MN, New Prague. 12-5 fair. 18:00 with "13-50 KCHK New Prague" legal ID into funeral announcements. New logging for me. [MS-MB]

1370 KGNO KS, Dodge City. 12-3 fair. 21:58 with spot for Dodge City business, ID, basketball. Relog for me. [MS-MB]

KWTL ND, Grand Forks. 12/1 fair. 11:59 with program announcements and ID mentioning Grand Forks. This was KUND with ND Public Radio for many years. Now back on the air with new call letters and Catholic programs. [MS-MB]

1390 KCLN IA, Clinton. 12-6. 11:52 with "You're never more than a few minutes away from another original hit on Clinton's KCLN." New. [PAL-MN]

WNIO OH, Youngstown. 12-8 poor. No WGRB. 03:52 with ID, Christmas music. [JJR-WI]

1400 WJRN WI, Racine. 12-4 good. 13:20 with promo for Rush Limbaugh "...on AM 1400 WRJN." New logging for me. [PAL-MN]

1420 KHLP NE, Omaha. 12-6. 0851 with local spots and promo "...on AM 14-20 K-help." New logging for me. [PAL-MN]

1450 WMIQ MI, Iron Mountain. 12-8 poor over mess. 07:25 with ID, spots. [JJR-WI]

1470 KHND ND, Harvey. 12-9. 09:43 with promo "Dakota News Network on Mix 14-70 KHND." Spot for Harvey Chamber of Commerce. "The Mix KHND" slogans. New. [PAL-MN]

1510 CKOT ON, Tillsonburg. 12-4 fair. 13:45 with country format, "Country 15-10" slogans. New logging for me. [PAL-MN]

1520 WHOW IL, Clinton. 12-11 poor. 08:06 with news, spots, ID. [JJR-WI]  
 1550 WIRV KY, Irvine. 12-10 poor. 06:00 with "Oldies Radio Network" and three legal ID's. Oldies format. Rare here. [JJR-WI]  
 1590 KCNN MN, East Grand Forks. 12-4 poor. 17:35 with many local spots, ID, talk. [JJR-WI]  
 1610 CHSL ON, Toronto. 12-4. 13:22 with SS talk and music. New for me. [PAL-MN]

**DX TESTS**

990 WNTP PA, Philadelphia. 12-11 very poor with CBW nulled. 00:46 with sweet tones and test announcement, more tones. [JJR-WI]

**UNIDS**

1010 unID 12-5 unID very poor to good under CFRB. 02:11-03:01. No ID at all in 50 minutes of listening. NOS/MoYL format. Might be WIOI. [JJR-WI]

**25 YEARS AGO**

December 15, 1979 issue of IRCA's "DX Monitor"... **Steven D. Miller** of Boston, MA told about his new RF-2200... **Brian L. Cartwright** of Johnstown, PA said he was 20 and a student at the University of Pitt... **Mark Connelly** of Billerica, MA mentioned he and **Neil Kazaross** installed two Beverages at Neil's family's summer cottage in Narragansett, RI... **Philip Boersma** of Spring Lake, MI said he was no longer working at WKJR 1520.

**OPEN MIKE**

Thanks to all our reporters this week. It's time to remind everyone not to send your reports to Nancy and me as attachments. Our ISP removes most attachments thinking they contain a virus. Also, please spell cities correctly. Think it's like the North Pole in Montana? As I type this we're at a record breaking 64 degrees here in Billings. This column was typed 12-11-04. 73, John

**EASTERN DX ROUNDUP**

**Lee J. Freshwater – 414 SE 3rd St. – Ocala, FL 34471**

E-mail: [lfreshwater@cox.net](mailto:lfreshwater@cox.net)

Deadlines: Every Saturday @ 0800

**STARS OF THE WEEK**

(LF-FL) **your editor** Ocala FL  
 Drake R-8B, KIWA Loop, Potomic FIM-41, MFJ Phasor, LF  
 ENG Active antMFJ 616 audio enhancer, OMT Auto Logging  
 Software, Vox Pro E-2 editing software  
 (WJH-MD) **Bill Harms** 6009 Bauman Dr Elkridge, MB 21075-5501  
**wharms@comcast.net** Drake R-8, Homebrew K9AY  
 (RCE-IN) **Rick Evans** Indianapolis IN  
 (WM-MD) **William McGuire** 2412 59th Place, Cheverly MD  
 DX-398  
 (HN-GA) **Herb Newberry** 107 Trojan Road, Milledgeville GA 31061  
 Kenwood R-5000, Quan Loop, 700' L.W.

**LOGGINGS**

550 ND KFYZ Bismarck 12/10 2038 to fade-out around 2100, good at first with Bowman Bulldogs vs Shiloh Christian Sky Hawks basketball State # 33. (RCE-IN)  
 OH WKRC Cincinnati 12/5 0200 "The Talk Station, 550 WKRC"; into CBS news. Dominant. New. (HN-GA)  
 580 GA WGAC Augusta 12/9 0607-0611 fair with GA and SC news. (RCE-IN)  
 NC WSKS West Jefferson 12/4 1420 Heard through WHP and someone else with country music. ID sounds like 'Golden Country' WSKS. (WJH-MD)  
 590 KY WVLC Lexington 12/05 0206 WX, Promos, "News Talk 590 WVLC." Fair WDWD absent. (HN-GA)  
 610 ON CKTB St. Catharines 12/6 0033 Encore presentation of Art Bell on Coast to Coast. ID as 'The Voice of the Niagara, CKTB' and 'Your news and information leader, Newstalk CKTB.' o/WIP and the rest. New for me. (WJH-MD)  
 AL WAGG Birmingham 12/05 0214 Up suddenly w/ "...Community Calendar on WAGG." Fair at peak. (HN-GA)  
 OH WTVN Columbus 12/5 0212 "News-Weather-Sports 610, WTVN", poor. Lots of slop. New. (HN-GA)  
 VA WVBE Roanoke 12/10 2048-2100 fair-strong with chatter by announcer and spots. (RCE-IN)

680 TN WJCE Memphis 12/05 0228 Christmas mx; "680-The Juice" also IDs as 'E-Z 680' WPTF dominant. (HN-GA)  
 750 NF CBGY Bonavista 12/5 2355 Noted // to 1070 with piano and instrumental music u/WSB and UI Latino. Strong northern enhancement tonight. (WJH-MD)  
 770 PA WKFB Jeanette 12/5 1650 60s-70s oldies and then sign off at 1700. Gave WLWL trouble in a nulled WABC. New here. (WJH-MD)  
 790 ON CIGM Sudbury 12/3 1020 Daytime reception. Fairly strong through WEAB w/CW music. ID @1026 which said 'AM 7-90 CIGM.' (WJH-MD)  
 810 MO WHB Kansas City 12/02 1748 Sports Promo, Sports Radio 810." (WM-MD)  
 820 TX WBAP Fort Worth 21/01 2100 AD;ID; ABC News. (WM-MD)  
 830 MN WCCO Minneapolis 12/05 0300 In over WTRU partial null w/ ID's, into CBS News. Rare to hear them. (HN-GA)  
 MO KOTC Kennett 12/4 1235 Midday reception. A man, in between songs, spoke about the music he was playing and used the slogan 'Cotton Country, your brand of country.' In o/another UI country station and midday receptions ever. (WJH-MD)  
 860 WV WOAY Oak Hill 12/6 2258 Spot for gambler's help, 'Family Radio weather forecast,' ID as 'WOAY, Oak Hill-Beckley,' network pgm. (WJH-MD)  
 870 MI WKAR East Lansing 12/9 0800-0802+ fair with ID, then NPR news. (RCE-IN)  
 TN WPWT Colonial Heights 12/9 0759 poor u/WWL and WKAR, with spots mentioning the 423 area code. (RCE-IN)  
 880 OH WRFD Columbus 12/02 1715 ID under WCBS. (WM-MD)  
 910 MI WGTO Cassopolis 12/9 0832-0835 poor, mixing with WPFB - Ohio, Oldies and "Oldies Radio" slogan. (RCE-IN)  
 920 ON CKNX Wingham 12/3 1052 Daytime reception. String of local ads and ID at 1055. Followed by a C&W song. Fair in WPHY semi-null. (WJH-MD)  
 930 NY WBEN Buffalo 12/9 -3-0308 weak with news and local weather. (RCE-IN)  
 950 MI WWJ Detroit 12/9, 0210 good thru my local WXLW-950 with WX and ID as "all News WWJ." (RCE-IN)  
 960 PA WILT Pocono 12/6 1900 Popped through the QRM, ID , as 'WILT... Mt. Pocono.' Heard some oldies before TOH that could have been them. (WJH-MD)  
 970 NY WCHN Norwich 12/8 1617 Heard an ID as 'AM 9-70 WCHN' in between a couple of oldies. (WJH-MD)  
 OH WFUN Ashtabula 12/5 0820 good with Fox Sports. (RCE-IN)  
 990 AL WEIS Center 12/11 0700 Up out of the mess with ID into news. NEW. (LF-FL)  
 TX KMSR Farmersville 12/11 0025 A real surprise while checking for WNTP DX test. Up with many strong IDs "Main Stream Radio" "AM 990 Main Stream Radio" Local ads and promos mentioning Love Field and Lemon Ave (Dallas) "Texas Talk Radio" Good signal for a while mixing with Radio Disney (Orlando) and Knoxville, TN. (LF-FL)  
 1160 NY WABY Mechanicville 12/7 0500 Heard ID through the QRM as "Playing American Standards and more. This is where you get it all on Moon Radio, WABY Mechanicville, WUAM Sarasota Springs, a member of the Anastos Media Group.'" (WJH-MD)  
 1160 ME WSKW Skowhegan 12/8 0528 O/all w/ID by male as 'The Score, AM 11-60, into ESPN network feed. Surprisingly strong. (WJH-MD)  
 1170 IL WLBH Mattoon 12/10 1613 fair in WWVA null w/holiday mx, wx. (RCE-IN)  
 NC WCLN Clinton 12/3 1400 Midday reception. Came through over nulled WWVA with legal ID and mentions of broadcasting on cable. Into program called 'Country Store' - a call-in flea market. (WJH-MD)  
 1190 MO KPHN Kansas City 12/5 0842 fair in WOWO null w/Radio Disney. (RCE-IN)  
 1210 IL WILY Centralia 12/5 1625 Color Radar Weather - Hi 54, lo 37. 'Big 12-10 AM' Slogan and ID right before pop song. (WJH-MD)  
 1260 NB CKHJ Fredrickton 12/6 2203 Weather forecast. Low minus 19. Possibly and freezing rain tomorrow. ID which mentioned FM freq. And 'An Astromedia Radio property, today's country KHJ.'" (WJH-MD)  
 1280 TN WDNT Dayton 12/6 0700 good for a few minutes, using WBAC calls. (RCE-IN)  
 1340 CT WYBC New Haven 12/2 1645 I re-listened to the clip of this catch and was able to pull out an ID as "13-40 WYBC" and a possible mention of New Haven. Usual GY mess. (WJH-MD)  
 1350 OH WTOU Akron 12/7 0458 good with sports. (RCE-IN)  
 1380 VA WBTK Richmond 11/30 2000 ID, local mentions, SRN News. (WM-MD)  
 1390 NY WFBL Syracuse 12/8 0032 with instructions on how to access their web site. (RCE-IN)  
 OH WNIO Youngstown 12/8 1658 Popped in with ID as '....It's Santa's big season... America's best Christmas music from 13-90 WNIO in between Christmas songs. O/all. (WJH-MD)

1410 KY WHLN Harlan 12/02 1828 Local ads and promos. (WM-MD)  
 1420 IA WOC Davenport 12/8 0458 fair with quick ID. (RCE-IN)  
 WV WTCR Kenova 12/8 0450 fair with "Joy Radio" and mention of Johnstown Baptist Church. (RCE-IN)  
 1440 KY WCDS Glasgow 12/8 0422 fair with ID. (RCE-IN)  
 ME WJAE Westbrook 12/5 0925 On audio clip heard, 'WJAB 14-40.' 'the Jab,' and 'Sporting News Radio' through the mess. Legal call is WJAE per FCC list and a couple other on-line references. (WJH-MD)  
 1450 NJ WKXW Atlantic City 12/6 1500 Popped in with a TOH ID :WKXW 14-50 QRM from WOL, WILM, WTHU etc. (WJH-MD)  
 NJ WCTC New Brunswick 12/8 1800 ID as '51 degrees and partly cloudy ...New Jersey... 14-50 WCTC New Brunswick.' O/all for at least a few seconds. (WJH-MD)  
 PA WMAJ State College 12/8 1700 Heard the TOH ID as '14-50 WMAJ The 'W' and 'J' as well as the city name were clear Another station which ID'ed at the same time, made this clip a bit confusing. (WJH-MD)  
 VA WREL Lexington 12/7 1935 Weather forecast, ID, as 'Newstalk 14-50 WREL,' ID as 'Your news talk and information station, 14-50 WREL,' and finally a UI syndicated program. (WJH-MD)  
 1490 NY WOLF Syracuse 12/5 0735 Heard a promotion for WOLF AM and FM spot for a program called 'Flashback,' a spot of 'Radio Disney Days,' and a 'Radio Disney 14-90' ID in the mess. Heard Radio Disney related programming at other times. (WJH-MD)  
 NY WCDO Sidney 12/5 0800 In the mess on the audio clip, the only thing heard was a man popping in with an ID as 'WCDO.' (WJH-MD)  
 VT WFAD Middlebury 12/3 1700 ID as '...Good Times Oldies WFAD Middlebury.' The town name was in the mush, but there if you care-fully listen. This was followed by ABC News. (WJH-MD)  
 1550 WV WMRE Charlestown 1/29 1650 ID heard. (WM-MD)

**UN-IDEN**

810 ?? ???? 12/05 0251 Behind WGY, Bad HET, like a Hip Hop DJ scratching on a turntable. Intermittant...Any ideas???? (HN-GA)  
 920 ?? ???? 12/02 1705 "The True Oldies Station."  
 \*\*\*\*\*

Nice to hear from everyone this week... Leaving Next Sunday for a couple of days in Phoenix, then back home in time for the Holiday... See u in 7 FRESH 12/11 1130.

**DX FORUM**

**Richard C. Evans – 7416 Hearthstone Wy – Indianapolis IN 46227-7923**  
 E-mail: REvans5435@aol.com DEADLINES: Sundays

**Ray Bauernhuber**, 151-64 18th Avenue. Whitestone, New York 11357 **DXRADIO@webtv.net**  
 Greetings everyone. I take this opportunity to wish every member and his/her loved ones a most Healthy, Happy and Blessed Christmas, Holiday and New Year! I take my hat off to Phil Bytheway and say "Thank You" for beginning his 2nd year as Editor-in-Chief of the 'Monitor'. Just getting ONE column ready each week takes time and effort; I cannot imagine the effort Phil puts into getting the entire 'Monitor' ready for print. And a big "Thank You" goes to Doug Pifer for printing the envelopes (quite decoratively I might add), stuffing and mailing them. GREAT jobs guys! Because of their efforts we continue to get our 'hard copies' each week; please do not take this for granted. We almost DIDN'T have them. Kudos to Rich Evans for assuming the duties of the entire 'Forum'. Let's all try to contribute forums, even if it's only a short paragraph. I personally thank the members who are supporting the 'Grapevine' column and encourage everyone to get in on the fun. Send me your reports, I need the work, HI. I've recently agreed to assume the duties of the 'website' column as Rich Toebe's schedule prohibits him from continuing in this capacity. To Rich I also say "Thank You" for a job well done. I will be finding interesting radio-related websites for your enjoyment. If you come across something please send it to me, I will appreciate your help. And with that I will say, "73 de DX de NY" - Ray.

**Gary Larsen**, 2806 Lincoln, Burbank, California 91504  
 Hello from cold southern Calif. PB, your last 2 years as EIC has been great and DXM looks very good. That goes for all editors and contributors. Hope everyone has a great holiday season and your DX real good in 2005. A friend sent me a recent legal clip from a paper on 1560 KLRI Macon, MO applying for 660 (dated 10/28) but no power listed. Bet they'll use a very DA because of several stations on frequency like KTNN and others heard across US both day and nite. Again, here's to the season and IRCA. 73

**Richard Evans**, 7416 Hearthstone Way, Indianapolis, Indiana 46227-7923  
 I've sent my current DX to Lee for the EDXR. All, except for WNAU-1470 MS which I picked off as I turned on the computer this evening. That means there are only two days since the first of November in which I did not hear a new station. With seven three-hour tax classes coming up in the next nine days, I probably won't get a lot of listening in but will still be aiming for at least one new one each day. 12/10 had a shock for me. I turned on the radio late in the SSS and felt that I should tune in to 550. When I die, there was a basketball game coming in with good strength. It faded out perhaps 20 minutes later but not until I discovered I was listening to KFYZ-550 ND. State 33 for me. I was in Kansas (Ill., just above Casey) on Saturday and turned the car radio to AM. It was also pre-set for my local here and I was surprised to hear my local, WNTS-1590, coming in. Wasn't the best, some noise in the background, but still nice to listen to. It will give me a reason to drop the station a line and let them know how far they got out. Now up to 483 heard. On 11/1/04, it was 345. On 4/15/04, it was only 177, so it has been an interesting and productive year. Some early afternoon listening on 12/10 produced three stations, two of them graveyards, which had me wondering why I hadn't heard them here before. While in Illinois, I also listened to WITY-980. It's one of my most wanted here but I can't pull them because of WONE-980 OH. Have a good holiday. 73

**HEARING IT THROUGH THE GRAPEVINE**  
**Raymond Bauernhuber – 151-64 18<sup>th</sup> Ave – Whitestone NY 11357-3102**  
 E-mail: DXRADIO@Webtv.net

**Dennis Vroom**, Vancouver WA. HQ 180: 5' loop  
 Only two stations heard on 1070 kHz. Nearly forty years of DXing MW and just two stations. This shows the strength of KNX on the West Coast. Also no stations from Indiana. I listened to 1070 for about 5 hours and heard the same stations I heard in California. 73's

**\*\*Featured frequency 1070 kHz:**  
 KNX CA Los Angeles, All news station. ID's often, traffic/weather intro. music is unique.  
 CFAX BC Victoria, heard under KNX with mentions of Victoria.

**Mike Sanburn**, KG6LJU, P.O. Box 1256, Bellflower CA 90707-1256, No listed equipment

**\*\*Featured State of Indiana:**  
 1620 WJVA Loud on DX test Jan. 4, 1999  
**\*\*Featured frequency 1070 kHz:**  
 KNX Los Angeles CA, Local Pest  
 CFAX Victoria BC Canada, heard often in the 70s in KNX silent period.

**Patrick Martin**, Seaside, Oregon, Drake R8, 1500' Eastern Beverage, EWE Antenna, 40' Vertical

**\*\*Featured State of Indiana:**  
 1070 WIBC Indianapolis once in 1965 1600 WARU Peru DX test in 1990  
 1190 WOWO Ft. Wayne hrd in 2000 1620 WJVA South Bend hrd in 1999  
 1430 WIRE Indianapolis reg in 60s 1620 WHLY South Bend hrd in 1998

**\*\*Featured frequency 1070 kHz:**  
 WAPI Birmingham AL KKHT Houston TX  
 KNX Los Angeles CA WTOS Madison WI  
 WANM Tallahassee FL CKST St. Albert AB  
 WIBC Indianapolis IN CFAX Victoria BC  
 KFDI Wichita KS CBUU Clinton BC  
 KFTI Wichita KS CBA Moncton NB  
 KATQ Plentywood MT CHOK Sarnia ON  
 KRAM West Klamath OR

**Ken Wilson**, Georgetown, KY, RX-340; R8B, Wellbrook K9AY, Wellbrook ALA 1530

**\*\*Featured frequency 1070 kHz:**  
 WAPI AL, Birmingham, 11/29 18:37 Big talk WIBC IN, Indy 11/29, 19:10 XMAS wish call-ins  
 WCSZ SC, SansSouci, 11/30 19:00 Gos MX, ID @ TOH  
 WKII FL, Solana, 11/30 19:50 Soft MX ID

**Doug Pifer**- Albany, OR, Drake R8B, Kiwa Loop

**\*\*Featured Frequency 1070 kHz**  
 CFAX BC, Victoria, "News Authority". News and talk. I catch this periodically.

KNX CA, Los Angeles. "News Radio 1070". CBS network. Pretty sure it's all news as that's all I've ever heard. The dominant station.

A big 'Thank You' goes to Dennis, Mike, Patrick, Ken and Doug for their contributions to this issue of the Grapevine. Just a reminder to everyone to please include their equipment used and their QTH. Thank you.

With the Holiday season upon us let's take some time to celebrate and not have another deadline until Saturday, Jan. 8th @1500 hours. The featured frequency for the next Grapevine is 550 kHz and our featured State is Arizona, settled in 1752 and admitted to the Union on February 14, 1912. The State flower is the Saguaro Cactus Blossom and it's bird is the Cactus Wren.

I wish everyone a most Healthy and Merry Christmas, Holiday and New Year! And continued GOOD DX in 2005!

73 de DX de NY, Ray

## WEB SITES FOR AM DX STUFF

**Raymond Bauernhuber – 151-64 18<sup>th</sup> Ave – Whitestone NY 11357-3102**

E-mail: [DXRADIO@Webtv.net](mailto:DXRADIO@Webtv.net)

Hi everyone and welcome to my first radio related website column. I hope to bring you the most interesting radio related reading on the net. If anyone comes across a radio related website please forward it to me at: [DXRADIO@webtv.net](mailto:DXRADIO@webtv.net). I will be most grateful.

With each issue I will remind everyone of IRCA's excellent website courtesy of Lynn Hollerman. Thank you Lynn for a great site and a job well done! Find it at: <http://www.ircaonline.org/irca1.htm>.

With this issue I feature a very interesting site: <http://www.northwinds.net/bchris/home.html>. The name of the page is "Surfing The Aether" and it chronicles some of the events, inventions and notable moments that made radio what it is today. With a quick study of this history you may discover some interesting parallels between radio and the growth of the internet.

Until the next column I wish everyone good health and the very best of DX! 73 de DX de NY, Ray

## GEOMAGNETIC INDICES

**Compiled by: Phil Bytheway**

E-mail: [phil\\_tekno@yahoo.com](mailto:phil_tekno@yahoo.com)

### Geomagnetic Summary October 29 2004 through December 15 2004

Tabulated from email status daily.

Date	Flux	A	K	Space Wx Today	Space Wx Forecast	Au
10/28	130	2	1	no storms	no storms	4
29	133	3	1	no storms	no storms	2
30	129	8	2	no storms	no storms	7
10/31	136	16	2	strong	moderate	5
11/ 1	139	10	2	minor	minor	4
2	136	7	2	minor	minor	5
3	133	6	2	no storms	no storms	6
4	136	8	2	moderate	minor	6
5	x	x	x	x	x	x
6	141	3	1	moderate	moderate	5
7	129	x	1	moderate	moderate	3
8	130	19	5	strong	moderate	9
9	124	120	3	extreme	moderate	9
10	141	90	7	severe	strong	9
11	105	120	5	extreme	strong	10
12	95	21	3	moderate	moderate	6
13	97	x	2	moderate	minor	9
14	96	10	2	minor	no storms	5
15	100	10	2	no storms	no storms	8
16	106	4	2	no storms	no storms	6
17	108	6	2	no storms	no storms	7
18	105	8	2	no storms	no storms	4
19	104	2	1	no storms	no storms	6
20	102	5	2	no storms	no storms	8
21	99	17	3	no storms	no storms	9

22	101	16	2	minor	no storms	6
23	106	11	2	no storms	no storms	4
24	107	4	1	no storms	no storms	7
25	x	x	x	x	x	x
26	109	15	2	minor	no storms	7
27	111	16	2	no storms	no storms	6
28	110	11	2	no storms	no storms	10
29	113	15	3	minor	no storms	8
11/30	111	17	3	no storms	no storms	6
12/ 1	x	x	x	x	x	x
2	x	x	x	x	x	x
3	106	4	2	no storms	no storms	5
4	101	4	2	minor	no storms	3
5	97	1	0	no storms	moderate	4
6	96	96	2	no storms	no storms	5
7	93	17	3	no storms	no storms	8
8	90	15	3	minor	no storms	6
9	97	11	3	no storms	no storms	7
10	87	8	1	no storms	no storms	7
11	85	8	2	no storms	no storms	9
12	90	18	9	no storms	no storms	9
13	91	29	3	minor	no storms	5
14	90	14	1	no storms	no storms	4
12/15	89	10	2	no storms	no storms	5

The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the Broadcast Band (510-1720 kHz). **DX Monitor**, the official publication of the IRCA, is published in "soft" form 35 times a year (weekly from November through March, twice monthly from April to November) and in printed form 30 times a year (weekly November through March, monthly April to November). **DX Monitor** contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists. IRCA is a member of ANARC, the Association of North American Radio Clubs.



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For information on **subscribing to the IRCA mailing list** at Hard-Core-DX, a group e-mail service, contact the moderator, Lynn Hollerman at [lynn@eatel.net](mailto:lynn@eatel.net).

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