

December 23, 2006 - Volume 44, Number 15 - Edition 1397 - ISSN 899-9733

IRCA welcomes **Ronald Schiller** from Coeur d'Alene, ID. Great!!!

HQ NOTES

It's time to consider who you will want to represent you as IRCA's next president and Board of Directors (their term will start September 15, 2007). Per the IRCA Constitution, Article III, Section 5, Part 2: Nominations shall be open for President, Secretary-Treasurer, and the seven members of the Board of Directors from December 1 (2006) through January 15 (2007). 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 himself or herself. All nominations must be submitted in written form to the ECC by January 15.

IRCA's Election Committee Chair (ECC) is **Ray Bauernhuber**, who can be contacted at raydx@msn.com ("written form" includes an e-mail submission, and that is easiest for Ray) or at his postal address of 151-64 18th Ave, Whitestone NY 11357-3102 if you do not use e-mail.

The 2007 **IRCA/DecalcoMania** convention will be held in Salt Lake City UT on August 24-26, 2007 at the Airport Days Inn, 1900 West North Temple, SLC UT 84116. Telephone (801) 539-8538. Request the IRCA convention discount rate of \$50 per night. Registration fee is \$25 (not including Saturday banquet) and is payable to: **Mike Sanburn**, PO Box 1256, Bellflower CA 90707-1256, USA. Hotel website is: www.the.daysinn.com/saltlakecity06838. Trip rewards site: www.triprewards.com. Tourism site: www.utah.travel. Delta airlines web: www.delta.com.

BROADCAST TEST COORDINATOR – DX TESTS

Les Rayburn: les@highnoonfilm.com (times are Eastern) <http://www.dxtests.info>

daily	0100-0600	1560	WMRO	Gallatin TN	(Bailey)
Sun 12/31/06+	0000-0005	1230	WODI	Brookneal VA	(Marthouse)
Sun 12/31/06+	0300-0005	1230	WODI	Brookneal VA	(Marthouse)

WMRO 1560kHz Gallatin, TN DX Test. Date(s): Midnight to Five AM Central Time October 30th thru ???. Time: Midnight until 5:00AM Central Time. Modes of Operation: "Inventory Insert" 60 Second Long Test. 0.003kw Non-Directional. (One night may include a brief full daytime power test).

Programming: Morse Code ID's, Sweep Tones, 60 Second Long "Inventory Insert" during local breaks. Notes: Transmitter audio chain testing. Exact times of the inserted spots will be given closer to the test time period. In general, look for the test to run near the Top of the Hour (TOH). The extreme low power of this station at night should make this one a nice challenge!

This test will likely continue nightly for months to come, so please try for it.

Please note the following change in QSL information: The station now desires to receive reports directly and only via regular Postal Mail. No telephone calls or e-mails, please! Scott Bailey is dealing with a family medical situation, so responses may take several weeks. Be patient and do not make this too much of a chore for him.

Send Postal reports and/or recordings to: Scott Bailey, President & General Manager, WMRO Radio, Magic 1560, PO Box 1445, Gallatin TN 37066. Please include a SASE for reply.

Our thanks Scott Bailey of WMRO, who's always been very DX Friendly! And also to Paul Walker, who helped to arrange yet another test for all of us.

WODI 1230kHz Brookneal, VA DX Test.

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Tony Dee at WODI informed me via e-mail today that they'll be adding another 5 minute duration DX test each Weekend starting at 03:00AM Eastern time to make it a bit easier on the West Coast DX'ers!!!

This gives all of us double the chances to log this one each weekend, including this coming weekend!

Date(s): Sunday Morning (Late Saturday Night) Starting October 1st and continuing until further notice. Time: Midnight until 00:05AM Eastern Time (5 Minute Test weekly), 03:00AM Eastern Time until 03:05AM Eastern (5 Minute Test weekly). Modes of Operation: Special DX Test. 1,000 Watts, Non-Directional. Programming: Morse Code ID's, Sweep Tones, Voice ID. Notes: This DX friendly station is co-owned by two amateur radio operators, and they have decided to conduct this rare, on-going DX test, giving listeners a weekly opportunity to put this station into the log books. The 3AM Eastern test was added to give West Coast DX'ers a better shot at hearing this one. That puts the test on at Midnight on the West Coast.

Reception reports are desired via e-mail (first choice) and snail mail (only if e-mail is not available) Station would prefer to receive recordings of the test (MP3, CD, or cassette). Submit reports to: les@highnoonfilm.com. Please put "WODI DX Test" in the subject line. All standard mail reports should go to: Les Rayburn, High Noon Film, 100 Centerview Drive Suite 111, Birmingham AL 35216. *SASE Required for reply.

Thanks to Dave Marthouse, N2AAM & Tony DeNicola, WA2IHZ for putting on this unusual, long term DX tests for the benefit of distant listeners!

MONTANA DX TEST RESULTS

The Montana "Big Sky" DX Test turned out to be one of the most popular tests with DX'ers in some time. Our thanks again to the ABDX List, Engineer Ron Huckeby, Tony Mulligan, Todd Clark, Steven Dow, Michael Richard of KEVA, and the staff of these stations for all their efforts to make this test possible. We'd also like to thank Brandon Jordan for his wonderful web site which has become a real tool for DX Tests and Joe Miller who designed all the QSL cards for the test. Without their support, it would be impossible to get these tests organized.

Regular readers will note that this edition of the report is abbreviated. It was simply impossible to edit all the reports received here and hope to get this edition out in any reasonable amount of time. A full Microsoft Word version of this test has been produced, and is available on Brandon Jordan's web site: www.dxtests.info.

So, if your name isn't mentioned here, I apologize in advance. The full report contains the unedited reports of each listener who sent one in. Electronic QSL cards were e-mailed out on December 13th. We hope to get postal requests out next week. Please be patient. Postal reports (of which there were over 60 reports) will not be reproduced in the full report or here. Simply takes too long to transcribe all that text into electronic form.

I keep preaching, but we all need to join the "Information Age".

KEIN 1310kHz Great Falls, MT (5KW Daytime Pattern)
 KLCY 930kHz, East Missoula, MT (5KW Daytime Pattern)
 KGVO 1290kHz, Missoula, MT (5KW Daytime Pattern)
 KANA 580kHz, Anaconda, MT (1KW Daytime Pattern)
 KERR 750kHz Polson, MT (50KW Non-Directional)
 KKGR 680kHz East Helena, MT (5KW Non-Directional)

It appears that KEIN, KLCY, and KGVO did not participate in the test. Possibly due to automation problems or other issues. This is a great example of why real time, Internet based information sources are so vital to serious DX'ers. Many listeners participated in a real time chat room devoted to Medium Wave DXing, at <http://www.starchat.net>.

The channel is #MWDX. Those of us active on the chat quickly realized that these three stations were not participating, thanks to reports from local or near local DX'ers. Likewise, it was quickly determined that KKGR 680kHz was getting out very well across the country. This despite their being limited to 500 watts of power into a short 290 foot tower.

The "lesson learned" from the DX Tests this season is clear. Schedules will change, sometimes at the last minute. Real time, Internet based access to information such as the NRC "DX Tip" list, web sites like www.dxtests.info, and chat rooms like #MWDX are critical to putting new stations into the log.

The two most widely heard stations were KKGR 680kHz & KERR 750kHz, who did not run Morse Code or Sweep Tones. However, their unique format of classic country music made them easy to pick out on the channel. They also ran a lot of voice ID's which many DX'ers recorded.

KKGR 680kHz was a huge surprise. And was the station most widely heard during the test. KANA also showed up in a quite a few logs, and despite their lack of participation in the test, some careful monitoring of 1290kHz put KGVO into the logs for some lucky DX'ers.

HIGHLIGHTS & PROBLEMS

Both KERR 750kHz and KKGR 680kHz were heard "across the pond" with nice recordings coming in from Sweden and even Berlevag, in the Arctic Circle... a distance of over 4,000 miles!

Also logging both KERR and KKGR was Vesa-Jussi Rinkinen in Finland, at a distance of almost 4,700 miles. The recordings were clearer than many of the files we received from domestic DX'ers, even those in nearby Western states. I'd describe Vesa's recording of KERR has being nearly "local"

quality. Voice ID easily readable, music selections quite clear as well. Amazing to hear this at that distance.

As predicted, the test resulted in the first logging of Montana for many DX'ers, including loggings from California to Maryland--making the test a coast to coast success. Richard Wood in Keaau, HI also managed to log KERR 750khz and KKGR 680, at a distance of slightly over 3,000 miles.

The unique nature of this test also attracted a lot of listeners who might not normally participate in AM DXing on a regular basis. We received reports from ham radio operators, shortwave listeners, and even one listener who logged the test on a high performance crystal radio! Eric Haydon of Lincoln, NE had already pulled in three Montana stations in the past using his home made crystal radio, and thanks to the test was able to put a few more into the log. Building and operating hot rod versions of the old familiar crystal radio is a wonderful sub-set of our hobby.

At various hamfests and conventions, I've had occasion to admire and operate some of these radios, and they are very impressive. They don't much resemble the Quaker Oats box and longwire version that many of us built as kids, and they certainly don't perform like them either. I've heard a few that would give my Drake R8B a run for it's money!

More information on Eric's radio can be found at: www.crystalradio.us

After pouring through the reception reports, some common mistakes emerged that may have prevented some from logging the test. Many had the mistaken belief that KERR 750khz would be airing Morse Code ID's and/or sweep tones. It was clearly stated in the test announcements that they would only be running normal programming with more frequent ID's.

It's important to do your homework, as the details for each test are often different. And KKGR 680khz which was the most widely heard station of all did not join the "party" until just a few days prior to the test. Those DX'ers who rely solely on printed publications would not even know that station was testing.

We did send out postal mail updates using the NRC/IRCA "Flash Card" system--but we no doubt had a significant number of members who were not even listening for KKGR. A real shame, since this 5KW signal was widely heard!

Another issue is reports that were sent with incomplete information. Many DX'ers do not bother to include their name or location. Some send very detailed reports but give no indication if they expect a verification or not. Some send e-mails saying that sound files were attached, but they weren't. Others sent clips that were way too long--one recording we received (via e-mail!) was nearly an hour in length.

Exact times were also an issue for many DX'ers. Often after a test, we have to use some detective work to assemble "logs" of details for the station. In this case, we constructed a "song" log for KERR noting what songs and artists were played during the test, along with the times of voice ID's. But while many DX'ers got the details right, there were variances of up to ten minutes in the reported times of events.

In this age of inexpensive clocks that are synced to WWVB, freeware utilities to sync your PC clock to the same time standard, and all of us having access to receivers that will tune in WWV... it's hard to explain why more DX'ers are not more critical with their noted times. We should all strive to be within a minute of "atomic time" especially during a DX test. In some cases, it may be the difference between being able to verify a report or not.

Finally, I'd like to encourage everyone to find and listen to a song called "Big Sky Country" written and recorded by my dear friend, Chris Whitley, on his debut album for Sony Records. The album is called "Living with the Law" and was released to critical acclaim. Many of the songs from the album were used in the movie, "Thelma and Louise". Chris passed away earlier this year from cancer. He was only 45, and leaves behind a beautiful daughter. The entire time that we were arranging this test, I thought about him and this song. For many of us who only dreamed of logging the "Big Sky Country", it's the perfect anthem for the test.

Thanks again to all who worked so hard to make this test a reality!

SOAPBOX

It was good fun having such a large and lively group on the #mwdx chat... y'all come back soon, y'hear? -**Barry McLarnon**, Ottawa Ontario

I have a new state and life is wonderful. -**Bill Harms**, Elkridge MD

Managed to stay up till 0125 CST this morning. Rewarded with a nice ID from KERR 750 at 0136. Two new Montana stations for me this morning! -**Bruce Winkleman**, Tulsa OK

This was really a lot of fun. Especially chatting with the other DX'ers across the country in the chatroom. (#MWDX) -**Brian Leyton**, Valley Village CA

KKGR heard approximately 0230. Sweep tones, very fast Morse IDs. Thought I might be hearing things the first time but the second time it was definitely KKGR Morse. No sign on any other frequency. Thought KERR would be the big signal here but WSB is way too strong. -**Doug Smith** W9WI, Pleasant View (Nashville) TN

Sad to say, but join the club. Maybe we'll have better luck next time. I did, however, hear AZ for the first time tonight. I also heard a new station in IA and KY. -**Bert New**, Watkinsville GA

I heard KKGR at around 0205 to 0210 (not sure of the exact time as I was taping several frequencies at once. I've got a pretty fair segment of code on 680 for KKGR and was pleasantly surprised! Unfortunately none of the others made it here with the possible reception of 750 KERR. -**John Hunter**, Rossville GA

Only 2 of the 6 Montana Tests were positively heard, KANA-580 & KKGR-680. KERR-750 was most likely heard, as there was a fairly strong station on 750Khz playing old C&W music, such as Freddie

Fender etc, but no Morse, sweeps, etc. The station faded out completely at the 0300ELT TOH before ID could be heard... agghhhh!! -**John Tucker**, Meza AZ

I'm having a very difficult time in S E Michigan. 3 of the 6 channels have local stations (580, 680, 1310), 2 are semi-local (930, 1290), leaving only KERR on 750. After nulling WSB, the best I could manage was some underlying country music sounds drifting in and out. I'll go back and replay my tape to see if I salvage anything. -**Joe Miller**, Troy MI

(After logging KKRG, KERR, and KANA) My life is complete! -**Mike Hawkins**, Campbell CA

Thanks for the opportunity to hear Big Sky country on AM. -**Carl Mann**, Omaha NE

I am pleased to report that I managed to increase my Montana totals by 100% from 1 heard to 2 heard, thanks to 750-KERR. My other Montana dates back to a 790-KGHL frequency check (remember those?) back in 1976 (when I was in Junior High). I have a green QSL card for that one. -**Neil Wolfish**, Toronto Ontario

(KERR 750) Blasting in with C&W totally creaming KXL with Honey by Bobby Goldsboro, after a nice ID -**Patrick Martin**, Seaside OR

KKGR excellent w/sweep tones & fast CW IDs thru KNBR football recaps. Really good if that is indeed only 500w. (Editor's Note: Nope, they were at 5KW. Your old editor made a typo on the original test announcement. But that signal was only feeding a very short 290 foot antenna!) -**Pete Taylor**, Tacoma WA

KERR in here with C&W with good signal when able to rise above KXL and KOAL. If KEIN airs MOYL, I also had them briefly in the jumble. -**Bob Pietsch** (aka The Rocklin Rocket), Rocklin CA

WODI TEST RESULTS

DX'ers this season have been blessed with a very rare "Weekly DX" test from WODI, 1230khz in Brookneal, VA. The test was the brainchild of Tony DeNicola, WA2IHZ, and Dave Marthouse, N2AAM who jointly run the station. The station has been conducting a five minute duration DX Test each week since October 1st, allowing many DX'ers to put this station into their logs for the first time. If you don't see your name listed here, it's not too late, the test continues into January and possibly quite a bit longer. So take advantage, and give them a try this Saturday night!

QSL INFORMATION

QSL's for all received reports have already been sent, so if you haven't received yours yet, please send me another report. The club is handling all the QSL requests for the station. See above for addresses.

TEST RESULTS AS OF DECEMBER 20, 2006

The first WODI test premiered on the same night as the WNJC Test on October 1st. Many DX'ers attempted to log both of them on the same night, with many reporting that success. First to nail them both was Bob Antoniuok of Clifton, NJ. He used his Sony 2010 with only the stock antenna to pull it off. Next up was Bert New of Watkinsville, GA, followed by Russ Johnson in Lexington, NC. Our neighbors to the North got into the act too, with Jerry Coatsworth, VE3KXO of Merlin, Ontario reporting reception of both station's test signals. J.D. Stephens seems to hear them all from his shack in Hampton Cove, AL. He used his trusty Drake R8, and the Kiwa Loop to pull in the graveyard signal of WODI on the first night of the test. Other's hearing the test on its inaugural night were Richard Line of Sterling Heights, MI using his Drake R8B and a 100' N/S wire. Brett Saylor got them on his Icom R-75 and a 100' sloper from his home in Central PA. While the first night of the test was very successful, many DX'ers (including your editor) had to try several times, waiting for the perfect conditions to pull in WODI. This is part of what makes this test so special--repeated week after week, DX'ers can wait on conditions and luck to bring home the prize. In the weeks since the first test, lots of others have heard the WODI signal too including Tom Jasinski of Shorewood, IL, Joe Miller of Troy, MI (he also designed the QSL cards! Thanks Joel!) and Larry Russell of nearby Flushing, MI. Canadians continued to enjoy success with Saul Chernos logging WODI from his car radio in downtown Toronto. Does anyone know what Saul is using for a card radio? I gotta get me one of those! And of course, Barry McLarnon logged the test from his home in Ottawa. (Yawn!) My contacts in the government have determined that Barry has access to the HAARP system allowing him to manipulate the ionosphere at any time. What else could account for his uncanny ability to hear everything? Ken Wilson added Kentucky to the list of states logging the test. He pulled them in using his JRC NRD545 and a K9AY antenna array. Chris (last name unknown) logged the test from his home in Taylors, SC using only a Sony Walkman, proving that fancy radios aren't always required for DX. Others hearing the test included Jim Pursel, of Lancaster, PA, Bill Swiger of Bridgeport, WV, and Jim Pogue of Memphis, TN. Delaware received the signal too, thanks to Pete Jernakoff, who also seems to have the ability hear pins drop at great distances. Jim Chenard in Blairstown, NJ reeled in the WODI signal using a Drake R8 and the Kiwa Loop, while Jim Sgrulletta used a JRC receiver and a BOG antenna to hear the test from his shack in Mahopac, NY. Week five was "the charm" for both Steve Francis of Alcoa, TN and Les Rayburn in Helena, AL. John Hunter added Georgia to the list, after sleeping through his alarm the week before! John, it gets harder to do these late night DX sessions every year doesn't it? Dave Hochfelder in Highland Park, NJ found success after a few weeks of effort, as did Steve Howe in St. Albans, Vermont. Steve has a great "batting average" this DX season! Dave Pyatt in Burlington, Ontario, Canada used his famous 40' box loop antenna to pull the test in after trying several weeks. While the AOR7030 (great receiver) and 130' terminated random wire turned the trick for Jeff Falconer in Clinton, Ontario. Wade Smith, VE9WGS rounded out the list of Canadian DX'ers who have managed to log this test. A bit further South, George Clement of Keystone Heights, Florida used an EWE antenna to capture the graveyard signal and Brandon Jordan (of www.dxtests.info)

fame) heard clear Morse Code ID's and sweep tones from his shack in Memphis, TN. The last report received was from Phillip Chiello, who had a great reception of the test from his home in Elm Grove, WI, adding yet another state to the list. The results are very impressive from a 1,000 watt signal on a crowded graveyard frequency. Our thanks again to Tony and Dave for this unique test--and if you haven't logged it yet, tune in Saturday night! Maybe Santa will come a bit early this year!

SOAPBOX

Surprised to get both these Northeasterners with the A index at 15. Thanx, Les, and the stations' staff for a great start to the DX test season! -J.D. Stephens, Hampton Cove, AL

Just minutes ago logged the weekly 5 minute WODI 1230 Khz DX test (00:00 to 00:05 ELT on Sunday Morning). Heard well, slightly above the noise with Morse Code and sweep tones. -Tom Jasinski, Shorewood, IL

Heard with some fairly good sweep tones from 000-0004 and around 0005 something sounding like a mild beep beep / beep beep / beep beep / ... In downtown Toronto ON in the car. Didn't have to go too far mobile - in front of my house was good enough. Thanks Dave et al at WODI! -Saul Chernos, Toronto, Ontario, Canada

Heard fairly well here too: cw with many repeats of WODI, alternating with swept tone. Not new, but fun to hear anyway - thanks for the test! -Barry McLarnon VE3JF Ottawa, ON

I picked up WODI's October 15 DX test here in Lancaster, PA, using my ICOM IC-T90A handheld and a homebrew hantenna (indoors) cut for 144MHz. The code was difficult to pick up at times, but the sweep tones came through loud and clear. Any voice ID was lost in the noise. As the attached audio clip will show, there was a ton of noise! -Jim Pursel, Lancaster, PA

Approx. 15 seconds of very faint Morse code W-O-D-I IDs over GY rumble followed by about 70 seconds of faint but obvious sweep tones. The test was apparently a few minutes early (originally scheduled for midnight 10-22-06 east coast time). New. A 257 mile catch. Many thanks to all who arranged this DX test!!! -Pete Jernakoff, Northern DE

Week five was the charm - Morse code and sweep tones in solid from midnight to 12:06 10/29. I'd forgotten to listen one weekend, and had no sign of it on the other three. Thanks, Dave and Tony! -Steve Francis, Alcoa, Tennessee

WNTP/WFIL TEST RESULTS

DX Friendly (and DX'er himself) Rene Tetro conducted the now annual WNTP 990khz and WFIL 560khz DX Test. This year's effort was directed at giving more West Coast DX'ers a chance to log the Philadelphia, PA stations by testing much later than normal at 0500AM Eastern.

TEST RESULTS

Tom Dimeo of nearby Harrisburg, PA reported easy copy on the tests, followed quickly by your editor, Les Rayburn, in Helena, AL who easily copied both stations as well. I used my Icom 746Pro with an LF Engineering M-601 active antenna phased against a Wellbrooke loop. A Drake R8A and Quantum Loop proved to be the perfect combination for Robert Pote in Greenwood, Indiana who even managed to copy parts of the voice announcements despite powerhouse CKGM. Neil Kazaross got the perfect Christmas gift in the form of a new logging, when he managed to null WIND using only his bedside Sony 2010 and pull in the sweep tones from WFIL. Guess Santa came to Barrington, IL early this year! A Sony 2010 and a Radio West Loop were also the tools of Stephen Howe who managed to log both tests from his home in St. Albans, Vermont. And William Wilkins of Springfield, MO also managed to log WNTP, during the lower power part of their test. Alas, not everyone had such luck. Despite using top of the line equipment, in the form of a Drake R8B and a Kiwa Loop, Doug Pifer of Albany, OR reported no joy at his shack. He must have been on the naughty list. Hopefully Santa will bring him something nice later in the test season! My sources at the North Pole indicate that Jim Progue was a frequent member of the naughty list during his boyhood days, so it's no surprise that he got coal in his stocking this time around. Actually, Jim's a great guy and well known DX'er from Memphis. He usually can bag the rarest ones, but found no luck on this test. He's got locals on both frequencies, and they proved too much of an obstacle for this test.

SOAPBOX

I tried for WNTP from 0510-0520 ELT during their 50 kW day directional pattern to no avail. I checked back at 0537-0600 ELT during the 5 KW non-directional pattern and heard several of the sets of the solid, sweep, step, pulse, oscillating, and telephone tones, and the Morse code letter, very faintly way under CKGM during pauses in their spots and sports program. -Stephen Howe, St. Albans VT

I'm working on it, no luck yet up until 0516ET. Local on 990 three miles west of me is a big factor. Have modern SS music so far. Thanks a bunch! and 73 -Doug Pifer, Albany OR

Sadly I wasn't able to knock down either of my locals on 560 or 990 to the point where I could hear anything underneath (both are less than 12 miles away from me). Just the same, many thanks to Les, Rene and everyone else involved for airing the tests. Maybe next time I'll try driving out of town a few miles and see if I can get a proper null. -Jim Pogue, Memphis TN

My alarm went off at 0513 EST this morning and I flipped on the bedside Sony 2010 and nulled WIND and there was WFIL with code and a few minutes later something like a two-tone siren. QRM u/nulled WIND was music, most likely CFOS 73 and thx for a new station, Rene. -Neil Kazaross, Barrington IL

Again, a big "Thank you!" to Rene Tetro, one of the most DX friendly engineers in the history of the hobby. This test has become an annual event, and it's really something for DX'ers to look forward to.

73, and Thanks again--Les Rayburn, N1LF, IRCA/NRC Broadcast Test Coordinator

BROADCASTING INFORMATION

Robert Wien – 7190 Abigail Pl – Fontana, CA 92336-5752

Email: wienbob@aol.com

phone: 909-350-4898

Ham calls: KG6RJW

CALL LETTER CHANGES

FREQ	OLD CALL	CITY	NEW CALL
640	WJNA	Royal Palm Beach, FL	WMEN
680	WCAW	Charleston, WV	WKAZ
680	WWTQ	Memphis, TN	WSMB
690	WJOX	Birmingham, AL	WSPZ
810	WCKS	Jacksonville, AL	WCKA
1110	WBCA	Bay Minette, AL	WTOF
1170	WJJZ	Bridgewater Township, NJ	WWTR
1220	KCCS	Salem, OR	KBDY
1370	WRDW	Ellenville, NY	WELG
1460	WBZB	Brocton, MA	WXBR (was WBET in interim-ye ed)
1490	new	Cameron, SC	WTQS
1490	WAJF	Decatur, AL	WDPT
1510	KYOL	Littleton, CO	KCKK
1510	WSQD	Lajas, PR	WBSG
1600	KCKK	Lakewood, CO	KEPN

FORMAT CHANGES

FREQ	CALL	CITY	OLD INFO	NEW INFO
670	WPMH	Claremont, VA	silent	religious teach //WRJR-1010
790	KBET	Winchester, NV	new CP	format not available
870	KHNR	Honolulu, HI	news/talk	silent
930	KAPR	Douglas, AZ	religious teaching	talk
940	KTON	Belton, TX	traditional country	classic country
940	WGRP	Greenville, PA	oldies	sports
950	WCTN	Potomac-Cabin John, MD	Spanish hits	oldies
970	WXQK	Spring City, TN	talk	oldies/WBAC-1340
990	KTHH	Albany, OR	talk	classic country
1010	KTNZ	Amarillo, TX	Spanish religion	country
1020	KYXE	Union Gap, WA	regional Mexican	Spanish hits
1050	KMTA	Miles City, MT	classic country	silent
1090	WILD	Boston, MA	black gospel	talk
1110	WTOF	Bay Minette, AL	adult standards	religious teaching
1140	KGEM	Boise, ID	adult standards	oldies
1150	KUHD	Port Neches, TX	Spanish CHR	sports
1160	WMET	Gaithersburg, MD	ethnic	adult standards
1190	WLLI	Humboldt, TN	sports	country
1210	KZTS	Sunnyside, WA	regional Mexican	Spanish hits //KYXE-1020
1240	KIUL	Garden City, KS	sports	talk
1240	KJAA	Globe, AZ	religious teaching	talk
1260	KKGO	Beverly Hills, CA	adult standards	country //XESURF-540
1260	WGVN	Greenville, MS	country	sports
1260	WWIS	Black River Falls, WI	oldies	adult contemporary
1270	WKBF	Rock Island, IL	talk	format not available
1280	WDNT	Dayton, TN	talk	oldies/WBAC-1340
1280	WOWZ	Appomatox, VA	silent	format not available
1310	KYUL	Scott City, KS	sports	talk//KIUL-1240
1340	WBAC	Cleveland, TN	talk	oldies
1340	WYJK	Connellsville, PA	oldies	silent
1350	KCOR	San Antonio, TX	Spanish urban	Spanish talk
1350	WBLT	Bedford, VA	oldies	sports
1350	WGDN	Gladwin, MI	talk	religious teaching
1350	WZGM	Black Mountain, NC	country	oldies
1360	WHNR	Cypress Gardens, FL	urban AC	Spanish
1370	WELG	Ellenville, NY	country	adult standards
1410	KDBS	Alexandria, LA	sports	oldies
1430	WRXO	Roxboro, NC	adult standards	country
1440	KELG	Manor, TX	regional Mexican	Spanish religion
1450	KBEN	Carrizo Springs, TX	religious teaching	Spanish religion
1460	KHRA	Honolulu, HI	ethnic	silent
1470	WLOA	Farrell, PA	oldies	sports
1480	KNTB	Lakewood, WA	Spanish religion	Spanish contemporary Xtian
1490	KBRO	Bremerton, WA	Spanish religion	Spanish cont Xtian //KNTB
1490	KCID	Caldwell, ID	oldies	adult standards
1490	KLNT	Laredo, TX	country	regional Mexican
1490	WCHM	Clarkesville, GA	country	news/talk
1490	WDPT	Decatur, AL	religious teaching	talk

1520	KFXZ	Lafayette, LA	black gospel	classic country
1570	KMUR	Pryor, OK	religious teaching	oldies
1580	WHLY	South Bend, IN	adult standards	religious teaching
1590	WABV	Abbeville, SC	silent	talk
1600	KRVA	Cockrell Hill, TX	ethnic	format not available
1600	WBTO	Linton, IN	traditional country	silent
1600	WRJE	Dover, DE	black gospel	oldies

**FACILITY AND PARAMETER APPLICATION AND GRANT ACTIVITY
FACILITY AND PARAMETER APPLICATIONS**

540	WWCS	Canonsburg, PA	5000/500 DA-2 to 3800 DA-D
550	WASG	Atmore, AL	10000/143 ND to 50000/157 ND
570	KNRS	Salt Lake City, UT	5000/5000 DA-1 to 50000/5000 DA-2
630	WDGY	Hudson, WI	1000/2500 DA-2 to 2500/2500 DA-2
640	WMEN	Royal Palm Beach, FL	7500/460 DA-2 to 50000/25000 DA-2
700	WDMV	Walkersville, MD	5000 DA-D to 50000 DA-2
730	WMTC	Vancleve, KY	5000/50 DA-D to 13000/50 DA-2
860	WFMO	Fairmont, NC	1000/12 ND to 50000/740 DA-2
980	WHAW	Weston, VA	1000/50 ND to 25000/50 ND
1060	KRCN	Longmont, CO	50000/111 ND to 50000/112 ND
1070	KATQ	Plentywood, MT	5000 ND-D to 5000/49 ND
1090	WNVY	Cantonment, FL	10000 DA-D to 15000/28 ND
1110	KEOR	Atoka, OK	5000 DA-D to 2000 DA-2
1120	KJSA	Mineral Wells, TX	250 ND-D to 20000 DA-2
1170	WWLE	Cornwall, NY	800 DA-D to 2500/500 DA-2
1190	WJES	Saluda, SC	350 ND-D to 10000/4 ND
1220	KZEE	Weatherford, TX	500/8 ND to 1600/300 DA-2
1220	WDYT	Kings Mountain, NC	1000/100 ND to 25000/106 DA-D
1240	KWIK	Pocatello, ID	1000/1000 ND to 960/960 ND
1280	KYRO	Potosi, MO	500/83 ND to 50000/190 DA-2
1300	KSET	Silsbee, TX	500 ND-D to 1200/500 DA-2
1310	WSLW	White Sulphur Springs, WV	5000 ND-D to 250 DA-D
1360	WKTT	Saraland, AL	15000/250 DA-N to 15000/430 DA-N
1370	WGHC	Clayton, GA	2500 ND-D to 250 ND-D
1370	WGIV	Pineville, NC	3000/45 ND to 16000/45 ND
1380	KFNI	Pleasanton, TX	DA-2 to DA2
1420	KMHS	Coos Bay, OR	1000/38 ND to 1000/41 ND
1430	KLO	Ogden, UT	10000/5000 DA-2 to 16000/5000 DA-2
1460	KBRZ	Freeport, TX	500/214 ND to 8000 DA-D
1480	KRAE	Cheyenne, WY	1000/65 ND to 1000 ND-D
1490	KWAC	Bakersfield, CA	1000/1000 ND to 640/640 ND
1500	WDPC	Dallas, GA	5000 DA-D to 5000 DA-2
1540	KMPC	Los Angeles, CA	50000/37000 DA-2 to 50000/44000 DA-2
1550	WQZQ	Clarksville, TN	2500/10 ND to 500 ND-D
1570	WBGX	Harvey, IL	1000/500 DA-2 to 5000/500 DA-2
1590	KEAS	Eastland, TX	500 ND-D to 1200 ND-D

FACILITY AND PARAMETER GRANTS

790	KBRV	Soda Springs, ID	50000 ND-D to 50000/29 ND
860	KTRB	Modesto, CA	50000/10000 DA-2 to 50000/50000 DA-2
900	WFIA	Louisville, KY	1000/163 ND to 930/162 ND
940	KICE	Bend, OR	10000/60 DA-2 to 10000/95 DA-2
1050	WJOK	Kaukauna, WI	1000/500 DA-1 to 5000/1000 DA-2
1140	WRMQ	Orlando, FL	5000 ND-D to 4600/245 ND
1220	WOTS	Kissimmee, FL	1000/110 ND to 2500/200 DA-2
1230	WJOI	Norfolk, VA	627/627 ND to 627/627
1250	KZDC	San Antonio, TX	1000/1000 DA-N to 25000/2000 DA-2
1270	WMKT	Charlevoix, MI	27000/5000 DA-N to 50000 ND-D
1420	WATB	Decatur, GA	1000/51 DA-2 to 50000/174 DA-D
1430	KFIG	Fresno, CA	DA-1 to DA-2
1460	KHOJ	St. Charles, MO	5000 DA-D to 5000/85 DA-2
1460	WBJX	Racine, WI	500/62 ND to 350/49 ND
1460	WXOK	Baton Rouge, LA	5000/1000 DA-N to 5000/600 DA-N
1530	KZNX	Creedmoor, TX	10000/12 DA-3 to 10000/220 DA-3
1560	KVAN	Burbank, WA	10000/1600 DA-2 to 10000/700 DA-2 (CP)

PUBLIC LISTINGS COURTESY OF THERADIOJOURNAL.COM AND 100000WATTS.COM:

- 680: WWTQ Memphis TN changes calls to WSMB, parking the longtime 1350 New Orleans LA calls recently replaced by WWL.
- 690: WRAX 100.5 Northport/Birmingham AL flips from modern rock "The X" to sports, simulcasting WJOX 690 Birmingham.
- 790: KBET Winchester/Las Vegas NV has signed on and is testing.
- 930: KAPR Douglas AZ and KJAA 1240 Globe AZ flip from religious to talk as "The Voice."
- 940: WGRP Greenville PA/WLOA 1470 Farrell PA/Youngstown OH flip to Sporting News sports from oldies; sister station WANR 1570 Warren/Youngstown OH remains with oldies.
- 990: KTHH Albany/Corvallis OR flips from progressive talk to classic country as "990 the Legend."

- 1090: WILD Boston MA returns to Radio One talk from black gospel.
- 1110: WBCA Bay Minette AL changes calls to WTOF, as new ownership takes over.
- 1110: WTOF Bay Minette AL flips from standards to religion as "Mobile's Christian Voice."
- 1140: KGEW Boise ID flips from standards "K-Gem" to oldies.
- 1150: KUHD Port Neches TX flips from Spanish hits to Fox sports.
- 1160: WMET Gaithersburg MD/Washington DC adds Music of Your Life standards to its ethnic/talk format.
- 1240: KIUL Garden City KS/KYUL 1310 Scott City KS flips from ESPN sports to news/talk, as "News Radio KIUL."
- 1260: KKGQ Beverly Hills/Los Angeles CA flipped from standards to country Friday 12/1, joining sister station XESURF 540 Tijuana/San Diego.
- 1260: WWIS-FM 99.7 Black River Falls WI flips from AC to classic country as "99.7 the Star"; the AC format moves to WWIS 1260 Black River Falls WI, replacing oldies there.
- 1270: WKBF Rock Island IL/Quad Cities drops progressive talk, going all-Christmas before relaunching later this month with religion as "Truth 1270."
- 1340: WBAC Cleveland TN and simulcasts WDNT 1280 Dayton TN/WXQK 970 Spring City TN flip from talk to oldies as "The Greatest Hits of All Time."
- 1350: WBLT Bedford VA flips from oldies to ESPN sports.
- 1360: WSAI Cincinnati OH flips from progressive talk to advice-oriented talk as "1360thesource.com."
- 1370: WRWD Ellenville NY flips from a simulcast of country WRWD-FM 107.3 Highland NY to standards, with new calls WELG. (The WRWD simulcast moves to WRWC 99.3 Ellenville NY on 12/25.)
- 1410: Alexandria LA flips from ESPN sports to oldies as "Dixie 1410."
- 1460: WBET Brockton MA picks new calls WXHR, after briefly using WBZB. (WBET reverted to its old calls after a complaint from nearby WBZ 1030 Boston.)
- 1490: KLNT Laredo TX flips from country to regional Mexican as "Norteno 1490."
- 1490: WAJF Decatur AL changes calls to WDPT and flips from religious to talk as "Pro Talk 1490."
- 1520: WHOW Clinton IL and WHOW-FM 95.9 Clinton/Decatur IL are off the air after ice caused their tower to collapse (12/4-ye ed). They're not expected back on until later this week, at the earliest.
- 1580: WHLY South Bend IN flips from standards to EWTN Catholic religious.
- 1600: KCKK Lakewood/Denver CO flips from classic country to ESPN sports as KEPN, picking up the affiliation from KLZ 560 Denver CO. The KCKK calls and classic country format replace oldies at KYOL 1510 Littleton/Denver CO.

INDIVIDUAL MEMBER AND CONTRIBUTOR LISTINGS:

Dennis Gibson sends along the following:
KKGQ-1260 will be going country //XESURF on December 1 per the LA Times (and Scott Fybush). (DG-CA)

Ye editor sends along the following:
Los Angeles World Airports Launches New Radio Station at Ontario International Airport to Provide Security and Travel Information
LOS ANGELES, CA -- (MARKET WIRE) -- November 15, 2006 -- Los Angeles World Airports (LAWA) today launched a new radio station at Ontario International Airport (ONT) that will provide the traveling public and airport visitors with critical airport security information. The radio station will also provide information on terminal and airline locations, parking, ground transportation, services and amenities, and travel recommendations that will make traveling through ONT easier and more convenient. The Federal Communications Commission allows a low-powered signal for this type of station which can be heard for several miles on roads and freeways surrounding the airport. Caltrans placed signs along freeways approaching the airport to inform drivers about the station. The station's studio is located in the airport's Administration Building and a newly constructed transmitter site is on the airport perimeter near the main access road. "The new airport radio station at 770 on the AM dial, which will operate 24 hours a day, will enable us to communicate immediately with drivers headed to the airport in the event of a security emergency," said Alan Hyde, ONT's police department commander. "We will now be able to inform drivers of security issues as they are developing and advise them directly about specific courses of action. The new radio station is an important part of Ontario International's overall security program to ensure that the airport is as safe and secure as possible." The station will be on air in time for the busy Thanksgiving holiday travel period. Airport officials expect 200,000 passengers to travel through ONT from Friday, Nov. 17 through Monday, Nov. 27. "Thanksgiving week is possibly the busiest time of the year at the airport," said Jess Romo, ONT's airport manager. "The winter holiday travel period is also approaching and the radio station, a highly effective medium, will help us communicate with the traveling public in a timely manner. Ontario International now handles more than seven million passengers annually and many of them are here for the first time. Information provided on the station will make their trips much easier."
ONT is located in Southern California's "Inland Empire" region that includes San Bernardino and Riverside Counties. The medium-hub airport is one of four owned and operated by LAWA, a Los Angeles city department that oversees an airport system in the nation's second largest metropolitan area. The other airports owned and operated by LAWA are Los Angeles International Airport, Palmdale Regional and Van Nuys.

AND ONE MORE ARTICLE FROM KCBS-TV CH. 2 WEBSITE:
Ontario Airport Radio Station Launches Operation Of Station Comes Just Ahead Of Thanksgiving Holiday Travel Period

Riverside County residents heading to Ontario International Airport can now get parking, transportation and security information from an airport radio station officials said Wednesday. The birth of the station, located at 770 on the AM dial, comes just ahead of the Thanksgiving holiday travel period, which begins Friday. Officials from Los Angeles World Airports, the agency that which operates the airport, said about 200,000 passengers are expected to travel through the Ontario airport between Friday and Nov. 27. Alan Hyde, commander of the Ontario airport police department, said the station "will enable us to communicate immediately with drivers headed to the airport in the event of a security emergency." "We will now be able to

inform drivers of security issues as they are developing and advise them directly about specific courses of action," Hyde said. "The new radio station is an important part of Ontario International's overall security program to ensure that the airport is as safe and secure as possible." The station, which is on the air seven days a week and 24 hours a day, is operated from a studio near the airport's Administration Building. A transmitter was built on the perimeter of the airport. Signs have been placed along freeways informing motorists about the station. The station mirrors a long-running radio station, 530 AM, at Los Angeles International Airport. LAWA operates LAX, Ontario, Palmdale and Van Nuys airports. (RW-CA)

Theo Donnelly sends along the following:

Radio station owner suspects sabotage in robbery, ALEXANDRA GILL
VANCOUVER -- A new voice in British Columbia's South Asian radio universe is scrambling to meet its scheduled launch date this Saturday after a robbery last week. Last Friday morning, thieves broke into the station's North Burnaby office at 3060 Norland Ave., and took off with its main server, back-up system and specialized production equipment that contained music collections, taped station identification spots and other valuable software that amounts to weeks of lost work. URL: <http://www.theglobeandmail.com/servlet/story/LAC.20061122.BCRADIO22/EmailTPStory/>. (TD-BC)

Dale Park sends along the following:

Black radio pioneer Pepper dead at 91 Posted 11/24/2006 3:44 PM ET
MEMPHIS (AP) — John R. Pepper II, co-founder of the first nationwide radio station with programming targeting a black audience, has died. He was 91. Pepper died Monday at St. Francis Hospital after an extended illness, according to Forest Hill Midtown Funeral Home, where services were held Friday. Still one of Memphis' top stations, WDIA-AM was the first in the South with an all-black on-air staff. Clear Channel Broadcasting now owns the station, which reaches five states. WDIA, which Pepper founded with Bert Ferguson in the 1940s, helped launch the careers of B.B. King and Isaac Hayes, among others, and eased the way for blacks throughout the country to break into broadcasting. Hayes was a member of the station's "teen-town singers," and King, whose real name is Riley King, picked up his stage name while working as a WDIA disc jockey from 1949 to 1955. He was known then as the "Beale Street Blues Boy" and later as simply "B.B." Pepper also founded what later became Pepper Tanner Advertising Agency. Pepper is survived by his daughter, two sons and a granddaughter. (DP-HI)

Tim Noonan sends along the following:

Tim sends along his monthly list of FCC call changes dated 11/28/06. Thanks, Tim! (TN-WI)

Pat Martin sends along the following:

I don't remember this being posted, but I just got an ID from KGEM Boise 1140, and the format is no longer NOS, but Oldies. Anyone else notice this? (PM-OR)

Edward Kusalik sends along the following:

USA. 1630, KKGM, Texas. They are currently running southern gospel music, sports and ministry programs. Nothing in the Spanish language. Address for reports: AM 1630 KKGM, 5787 South Hampton, Suite 108, Dallas, Texas 75232. Address reports to: Mr. Jack Davis, Program Director. This in response to a my second follow-up report, which he rejected (despite hearing a clear KKGM ID at TOH); then again this report was a old log, dating back to November 2004. Will try for another attempt on this one, knowing the format that they use now. (EK-AB)

Pat Martin sends along the following from Deane McIntyre:

CHQB-1280 Powell River BC applies to CRTC to move to FM (94.1 MHz, 8.6 kW): <http://www.crtc.gc.ca/archive/ENG/Hearings/2006/n2006-12.htm#13>. Powell River, BC. Application No. 2006-0274-9.

Application by Vista Radio Ltd. to convert radio station CHQB Powell River from the AM band to the FM band. The new radio station would operate on frequency 94.1 MHz (channel 231C1) with an average effective radiated power of 8,600 watts (maximum effective radiated power of 45,000 watts/antenna height of 421 metres). The proposed station would maintain its current adult contemporary music format and local programming focus, targeting listeners aged 25 to 54. The applicant is requesting permission to simulcast the programming of the new FM station on CHQB for a period of 3 months from the date of implementation of the new FM station. The applicant is also requesting, pursuant to sections 9(1)(e) and 24 (1) of the Broadcasting Act, the revocation of the licence of CHQB effective at the end of the simulcast period. Deane McIntyre V3PO. (PM-OR)

Pat Martin also sends along the following from Deane McIntyre:

Application for new X-band station (1670, 1kW-U) in Gatineau Quebec/ Ottawa ON <http://www.crtc.gc.ca/archive/ENG/Hearings/2006/n2006-12.htm#9>. Gatineau, Quebec and Ottawa, Ontario. Application No. 2006-1110-5.

Application by Foundation Radio Enfant du Canada, on behalf of a corporation to be incorporated, for a license to operate a French-language AM community radio programming undertaking in Gatineau/Ottawa. The new station would operate on frequency 1670 kHz with a transmitter power of 1,000 watts day-time and night-time. The applicant proposes programming dedicated to children and to teenagers. Deane McIntyre V3PO. (PM-OR)

Pat Martin sends along the following:

allaccess.com via Brock Whaley For DXLD, DXFlorida, NRC list
HD Radio Alliance Sets 2007 Ad Campaign, Big Bucks For 2007 Advertising
THE HD DIGITAL RADIO ALLIANCE is set to announce on MONDAY (12/4) it will drop more than \$250 million in 2007 on a new advertising campaign to tout both the new content and new hardware coming on the market. All the major broadcast companies are on board with HD RADIO. "The radio industry is in a whole new place today on the ALLIANCE's one-year anniversary," said HDRA CEO PETER FERRARA. "We have driven a wave of progress on digital radio supported by a wealth of new content and features, as well as new HD radio receivers, an explosion in retail availability, and new automotive partners and devices that are turning the in-car environment digital." "The speed of this rollout is nothing short of phenomenal," said CLEAR CHANNEL CEO MARK MAYS. "We've gone from having zero receivers on store shelves a year ago

to having a full range of models today, in both performance and price. We've gone from having a scant 89 HD2 broadcasts a year ago to an astonishing 500-plus today, with an influx of fresh and innovative content." "HD is not just the future of radio -- it's the present," said CBS RADIO Chairman/CEO JOEL HOLLANDER. "It's a critical element of the forward strategy for CBS RADIO and our other partners, and the success thus far has been phenomenal." Catch up all the HD happenings at <http://www.hdradio.com/>. (PM-OR)

Martin Foltz sends along the following:

On the way to work this morning I heard XESURF-540 running the same programming as KKGO-1260. The new ID is Country 5-40 and 12-60. (MF-CA)

Pat Martin sends along the following from Pat Griffith:

I was the lucky operator on duty tonight at midnight MST when KYOL/1510 made the switch from the ABC True Oldies Channel to ABC Real Country. The new slogan is "15 Kicks". The format is classic country. Watch for a forthcoming call change to KCKK. KYOL is currently operating under an STA for ND operation with 4750 watts at night. 1600 in Denver has changed calls to KEPN. Heard at 0100 MST this morning with dual KCKK/KEPN ID and prominent mention of corporate ownership by Lincoln Financial. This is in preparation for a forthcoming change from C&W to ESPN. Lincoln also owns KKFN/950 and this change will give them a stronghold on sports in the Denver market. The FCC database already shows the KEPN call on 1600 and shows KCKK as unassigned. KLZ/560 lost the ESPN contract. It is unknown what format they will be switching to. Patrick Griffith, Westminster CO <http://community.webtv.net/N0NNK/> <http://community.webtv.net/AM-DXer/>. (PM-OR)

COLUMN CREDITS. Much of the information in the column courtesy of and used with permission of **THERADIOJOURNAL.COM**, and **100000WATTS.COM**: 'CALL LETTER CHANGES', 'FORMAT CHANGES', 'CONSTRUCTION AND FACILITY PERMIT ACTIVITY', AND 'PUBLIC LISTINGS'. Additional information may also be included in these sections through the FCC Database listings &/or contributions by other individuals. Listings in the "CONTRIBUTOR LISTING" section are strictly individual contributions. Thank you.

Contributors:

Theo Donnelly, Vancouver, BC (TD-BC)
Martin Foltz, Mission Viejo, CA (MF-CA)
Dennis Gibson, Santa Barbara, CA (DG-CA)
Edward Kusalik, ??, AB (city unknown) (EK-AB)
Pat Martin, Seaside, OR (PM-OR)
Tim Noonan, Oak Creek, WI (TN-WI)
Dale Park, Honolulu, HI (DP-HI)
Ye editor (**Robert Wien**, Fontana, CA) (RW-CA)

DATE OF COLUMN: 12/16/06. Well, 10 days till Xmas, I'll be in Laughlin, NV over part of the holiday having fun! Hope the gift you receive is great DX, and happy DX in 2007! 73's.

WESTERN DX ROUNDUP

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

E-mail: NancyJohnson@prodigy.net

WDXR DEADLINES: Each Friday. Please use Eastern Time.

REPORTERS FOR THIS ISSUE:

(BB) **Bill Block**-7716 E. Thelma Drive-Prescott Valley, AZ 86314 billwblock@msn.com
Drake R8, EWE (20x50x20), Quantum QX loop
(BN) **Bill Nittler**-108 El Mundo Road-Belen, NM 87002 nittlers2@scdial.com
Drake R8A
(5P) **Dale Park**-PO Box 10640-Honolulu, HI 96816 DXFool@aol.com
Sangean ATS-818CS, Terk AM1000 loop
(5P-H11) DX'ing at Koko Marina Center, East Honolulu with Honda car radio
(BP) **Bob Pietsch**-3700 Abby Court-Rocklin, CA 5765-4654 robert@pietschs.net
Grundig Satellit 800, Terk AM Advantage loop
(MS) **Mike Sanburn**-P. O. Box 1256-Bellflower, CA 90707 mikesanburn@hotmail.com
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(RW) **Robert Wien**-7190 Abigail Pl.-Fontana, CA 92336-5752 rjwmail@webtv.net
GE Superadio 2, Select-A-Tenna
(REW) **Richard E. Wood**-HC 3 Box 11087-Keaau, HI 96749-9221
ICOM R75, LW's 350' to NE, 175' to NNE

OF SPECIAL INTEREST

870 (KHNR) **HI**, Honolulu 12/8 noted off for the past four days. Station news director thought I was referring to KHNR-FM when I called 12/6 to get an explanation, but he didn't know the reason. (5P-HI)
1510 KCKK **CO**, Littleton 12/20 2006 with ID "Real Country KCKK." Ex-KYOL. (BB-AZ)

570 KLAC **CA**, Los Angeles 12/17 0906 with ID "KLAC 570 Los Angeles" on top of KNRS. (BB-AZ)
600 KROD **TX**, El Paso 12/13 0903 with ID "AM 600 KROD." (BB-AZ)
610 KEAR **CA**, San Francisco 12/11 2259 "KEAR" ID. (BB-AZ)

700 WLW OH, Cincinnati 11/19 0103 "News time at WLW, 1:03." Good. (REW-HI)
 730 CHMJ BC, Vancouver 12/8 2328 with Vancouver Giants vs. Portland Winterhawks WHA hockey game, very dominant at times. (BP-CA)
 760 KTKR TX, San Antonio 12/15 0844 with traffic report and "The Ticket." (BB-AZ)
 780 KAZM AZ, Sedona 12/6 0748 faded up with ID "...on KAZM Sundays 6 to 8am..." (MS-CA)
 870 WWL LA, New Orleans 12/6 0645 promo mentioning "105.3 FM" and listing talk show hosts, ending with "...Newstalk AM 8-70 now on 105.3 FM... WWL... Radio New Orleans," then faded out. No sign of KRLA-CA. Very poor, KHNR off. (5P-HI)
 880 KRVN NE, Lexington 12/7 2328 ad with (800) toll-free number, event promo, promo mentioning "Nebraska." "KRVN Lexington" and Nebraska zip code, into religious program mentioning a survey that said 20 million Americans observe demonic rituals. Unfortunately, the KRVN website has no program guide so I don't know what I heard. Poor, unID underneath (KKMC-CA?). (5P-HI)
 890 ?KLFF? CA, Arroyo Grande 12/11 2257 noted while on the road with end of "Focus on the Family," soon lost to KNUI-900 splatter before entering my garage. Poor. (5P-HI1)
 900 KNUI HI, Kahului 12/8 still airing classic Hawaiian AC music (ethnic music Sunday evenings) and using slogan "AM Nine Hundred, Maui's Aloha Station." Station spokeswoman on 12/6 didn't know anything about an alleged format change to news-talk (as reported in Robert Wien's column) and would pass on the inquiry to the program director, who was out at the time. (5P-HI)
 930 KRKY CO, Granby 12/14 1830 with ID "News and weather on KRKY," on top of KAFF. (BB-AZ)
 980 KFWB CA, Los Angeles 12/12 1950 with "KFWB news time 4:30" then traffic report. (BB-AZ)
 KSVU UT, Richfield 12/14 1853 with "KSVU" ID. (BB-AZ)
 1010 KCPW UT, Tooele 12/15 0923 with traffic report and weather for SLC. (BB-AZ)
 1060 KRCN CO, Longmont 12/12 0910 with Business News for Colorado. (BB-AZ)
 1080 KSLI UT, Price 12/13 0906 with ID "Radio 1080 KSLI." (BB-AZ)
 1090 KVOP TX, Plainview 12/9 0825 fair signal in KPTK null with wrap-up of Dallas and Texas area sports, then mention of the "Texas Radio Network," weather for Plainview, started fading out. Unneeded, but still amazed how well this gets out to So. CA, never heard in SF Bay Area when I lived there! (RW-CA)
 KPTK WA, Seattle 12/9 0827 good with unID talk show, "KPTK" ID just before half-hour. Unneeded. Nothing else except this and KVOP on frequency at the time! (RW-CA)
 (XEPRS) BCN, Rosarita Beach 12/9 0815+ noted totally off, 1090 wide open. (RW-CA)
 1110 KDIS CA, Pasadena 12/9 0901 with "KDIS" ID. (BB-AZ)
 1150 KTLK CA, Los Angeles 12/9 0804 with ID "KTLK The Talk Station." (BB-AZ)
 1180 KOFI MT, Kalispell 12/9 1719 with "News Talk Oldies." (BB-AZ)
 1210 KPRZ CA, San Marcos 12/21 0925 with "KPRZ" ID. (BB-AZ)
 1230 KXO CA, El Centro 12/11 0450 fair under 2 other stations with ID "Your home for San Diego Chargers football, 1230 KXO." Difficult to hear here due to normal KEZY splash in that direction. (RW-CA)
 KLAV NV, Las Vegas 12/16 0912 with "KLAV" ID. (BB-AZ)
 1240 (KEZY) CA, San Bernardino 12/11 0430-0945+ totally off, still off this morning on my car rx going to work. Hopefully they went silent so I have a new channel I can DX! (RW-CA)
 1260 KKGQ CA, Beverly Hills 12/22 0957 with ID "Country 1260 & 540." (BB-AZ)
 1270 KTFI ID, Twin Falls 12/17 0955 with ID "Country Cow" and then into news. (BB-AZ)
 1290 KCUB AZ, Tucson 12/11 with "The Source" into sports. (BB-AZ) (No time listed.—NJ)
 KSZB CA, Santa Barbara 12/11 0910 with "New Radio 1290 Santa Barbara." (BB-AZ) (Bill, did you mean "Newsradio"?—NJ)
 KOUU ID, Pocatello 12/17 1842 with "Country Cow" and then into Christmas music. (BB-AZ)
 KWFS TX, Wichita Falls 12/17 1900 with ID "KWFS Wichita Falls" into news. (BB-AZ)
 1310 CHLW AB, St. Paul 11/19 0248 ID "This is CHLW," C&W vocals, 0315 "AM 13-10 CHLW, St. Paul Radio." Good, often over KMIK-CA. New, AB #11. A surprise catch while looking for unheard KEIN-MT. (REW-HI)
 1350 (KTDD) CA, San Bernardino 12/6 0940 noted entirely off leaving XELBL dominant and KSRO as well. Per tip from RW. (MS-CA)
 KTDD+ 12/7 back on the air with usual C&W format. (MS-CA)
 + 12/19 1944 with traffic report and weather. (BB-AZ)
 KABQ NM, Albuquerque 12/19 1951 with traffic report. (BB-AZ)
 1360 KLSO CA, San Diego 12/19 1930 with traffic report. (BB-AZ)
 1380 KLPZ AZ, Parker 12/12 0907 with ID "KLPZ 1380 Parker." (BB-AZ)
 KTKZ CA, Sacramento 11/26 0225 Dennis Pranger with Townhall.org program, promo for news coverage ending with "...KTKZ Newstalk 105.5 FM and 13-80 AM," AP Radio news brief. Fair. (5P-HI1)
 + 12/12 0906 with "KTKZ Traffic." (BB-AZ)
 KSRV OR, Ontario 12/12 0902 with "The Cruise." (BB-AZ)
 1400 KKJL CA, San Luis Obispo 12/3 0430 good with ID "K-Jewel 1400 AM." (MS-CA)
 1410 KERN CA, Bakersfield 12/10 1916 with "KERN" ID. 12/20 0955 ID "KERN." (BB-AZ)
 KGSO KS, Wichita 12/20 1729 with ID "KGSO." (BB-AZ)
 1420 KMOG AZ, Payson 12/6 0957 peaking under XEXX with country music. (MS-CA)
 1430 KCRX NM, Roswell 12/17 0919 with ID "KCRX 1430" then into oldies. (BB-AZ)

1440 KPUR TX, Amarillo 12/17 0915 with ID "KPUR Amarillo, The Source." (BB-AZ)
 1460 KHFX TX, Burleson 12/17 1820 Fox Sports ID "Fox Sports 1460 KHFX." (BN-NM)
 KCWM TX, Hondo 12/16 high school football at Liberty Hill, ad, call ID at 1905. (BN-NM)
 1470 KUTY CA, Palmdale 12/4 1959 with "KUTY" ID. (BB-AZ)
 1510 KSPA CA, Ontario 12/11 1935 with ID "AM 1510 The Spa." (BB-AZ)
 1530 KXTD OK, Wagoner 12/15 s/of in Spanish & English "KXTD 1530 AM transmitting from Wagoner-Tulsa," a prayer and s/off 1759. (BN-NM)
 KZNX TX, Creedmoor 12/15 1820 "ESPN 1530" ID's, local talk show, Austin ads. Heard again 12/16 with high school football, Westlake at Pearland. (BN-NM)
 1540 KEDA TX, San Antonio 12/15 0844 with "KEDA" ID. (BB-AZ)
 1550 KKJY NM, Albuquerque 12/11 0830 good in KXEX null (nothing else on frequency!) with sung jingle ID "Joy 1550 AM, KKJY," then back into Christmas music. Unneeded, but not often heard here. (RW-CA)
 1570 KSXT CO, Loveland 12/13 0920 with many ads. (BB-AZ)
 1580 KKKK CO, Colorado Springs 12/20 0918 with Colorado Business News. (BB-AZ)
 1590 KLIV CA, San Jose 12/10 1928 with "KLIV news time 4:25." (BB-AZ)
 KDAV TX, Lubbock 12/19 0750 with ID "KDAV" then into oldies. (BB-AZ)
 1600 KRKE NM, Albuquerque 12/11 1850 with "Real Oldies" and then into many ads. (BB-AZ)

DX TESTS

560 (WFIL) PA, Philadelphia 12/10 0500-0600 tired with both Superadio/Select-A-Tenna and Superadio/Kiwa loop, not heard, only KSFO/Mexican taking turns dominating, nothing in their nulls. Tried quite extensively for test. (RW-CA)
 + 12/10 0500-0600 DX test inaudible, only KSFO-CA. (REW-HI) (Richard, you had "11/10" listed for the date on this tip, but you probably meant 12/10.—NJ)
 680 KKGR MT, Helena 11/19 0203 sweep tones, 0205 code ID KKGR, then fast CW, 0208 sweep, 0209 march music. Good thru KNBR-CA. New, State #36 since I reactivated. (REW-HI)
 750 KERR MT, Polson 11/19 0220 sounded like normal C&W programming, and normal probably prerecorded ID's "AM 750 KERR" at 0223 and 0243. Over & under KFQD-AK, normally pesky KXL-OR weak or absent. New, MT #2. No other testers heard despite intensive listening on 580, 930, 1290 and 1310. (REW-HI)
 990 (WNTP) PA, Philadelphia 12/10 0500-0600 tried with both Superadio/Select-A-Tenna and Superadio/Kiwa loop, not heard. XECL's "Rockola" and Santa Barbara taking turns dominating, generally XECL dominant. Tried extensively for test. (RW-CA)
 + 12/10 0500-0600 DX test inaudible. KHBZ-HI at local strength, plus two unID's, probably CBW-MB and KATD-CA. Test might have made it if broadcast at Hawaiian SSS, say 0000 ELT, when KHBZ would have been weaker. (REW-HI) (Richard, you had "11/10" listed for the date on this tip also. I changed it to 12/10.—NJ)
 + 12/10 055-0600 DX test tried, not heard. Possible tone at 0555 likely TVI. (MS-CA)

UNIDS

1240 UNID 12/11 0500 unID just under KJOP (KJOP ID'd) with Art Bell, looping E-W, faded out. Also unID oldies station in there weak under 4 or 5 others stations. Was hoping for KJAA but nada. Went to Art Bell's website to see who carries them on 1240 with a reasonable chance here, KSMA, KSUE, KDGO & KWIK are only ones reasonable. My best guess is it was KSMA. (RW-CA)
 1440 UNID 12/12 0566 Spanish Romantica music, man with Spanish talk, then somehow ad with woman in Japanese(!), music sounder then program in Japanese. Who is this? Usually I hear a very weak KUHL-CA. Very poor. (5P-HI)

Happy New Year to everyone! Nancy 12/22 2100

CENTRAL DX ROUNDUP

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

E-mail: John_Johnson@prodigy.net CDXR reports ONLY: cdxr@prodigy.net

RIDING GAIN

[GH-TX] **Greg Hall**, Dallas, TX dotdog@prodigy.net
 Kenwood TS850, Grundig MINI300, Grundig RR1040, Sony ICF-7600AW, Butternut HF6V, 80' longwire, Super Select-A-Tenna.
 [NJ-MT] **Nancy Johnson**, Billings, MT NancyJohnson@Prodigy.net
 Drake R8B, Kiwa loop.
 [JP-TN] **Jim Pogue**, Memphis, TN jpogue@midsouth.rr.com
 NRD-535, Sony ICF-2010, Wellbrook LA5030 loop, attic longwire, Quantum Phaser.

DOWN THE DIAL

580 WGAC GA, Augusta. 12-19 very good. 06:02 with local morning news program. [JP-TN]
 600 WIOD FL, Miami. 11-26 above KTBB at 22:32. [GH-TX]

700 KSEV TX, Tomball. 12-19 very good with WLW phase nulled. 17:20 with "Voice of Texas" slogan, local spots, and a call-in program. [JP-TN]

770 KKOB NM, Albuquerque. 12-8 good. 17:58 with weather for Albuquerque and vicinity and full ID at 18:00. A real surprise on the car radio at late local sunset. No sign of WABC. Maybe it's time to try for NV at sunset. [JP-TN]

790 KXXX KS, Colby. 12-1- above others. 20:59 with country format. [GH-TX]

820 WAIT IL, Willow Springs. 12-14 going back and forth with Cuba. 16:50 with "Chicagoland" slogan and Relevant Radio program. [JP-TN]

880 KJOJ TX, Conroe. 12-10. 15:59 with Vietnamese programming. [GH-TX]

890 KVOZ TX, Del Mar Hills. 11-27. 22:00 with SS religious programming. [GH-TX]

900 KPYN TX, Atlanta. 12-10 above KCLW and others at 16:31. [GH-TX]

920 KVEL UT, Vernal. 12-13 loud and clear. 20:00 with ID into ABC News. [NJ-MT]

WBOX LA, Bogalusa. 12-21 fair. 06:51 popped to the surface for a quick mention of Trading Post program then into country music. [JP-TN]

930 WTAD IL, Quincy. 11-23. {no time given} clear ID heard. [GH-TX]

1000 KTOK OK, Oklahoma City. 11-26 above interference from an SS station at 18:00. [GH-TX]

1020 KOKP OK, Perry. 11-27. 17:01 with sports programming. [GH-TX]

1030 KTWO WY, Casper. 11-24 above KFAY at 16:58. [GH-TX]

1060 WKNG GA, Tallapoosa. 12-21 good. 07:15 with Christmas greetings from the staff. "King Country" slogans. [JP-TN]

1100 WSGI TN, Springfield. 12-21 fair. 08:00 with local spots and mentions of news for Springfield and surrounding communities. [JP-TN]

1110 WTOF AL, Bay Minette. 12-14 huge signal dominating. 19:02 with end of Turning Point program. Combo ID for WMOB and WTOF. [JP-TN]

1130 CKWX BC, Vancouver. 12-4 with KWKH looped at 22:55. First time heard. [GH-TX]

WFAN MN, Minneapolis. 12-4 with slight movement of looped KWKH at 23:00. [GH-TX]

1140 KRMP OK, Oklahoma City. 11-35 before XEMR dominates at 17:32. [GH-TX]

1150 WJBO LA, Baton Rouge. 12-19 good, but quickly faded down. 04:29 with "overnight news" items. [JP-TN]

1160 WCFO GA, East Point. 12-19 good. 06:57 with Business Radio format. "First Word" program. [JP-TN]

1170 WACV AL, Montgomery. 12-19 good. 04:46 with oldies. Frequent IDs. [JP-TN]

1180 KGOL TX, Humble. 11-26 before sunrise at 06:59 with clear ID. [GH-TX]

1220 KMLV TX, Madisonville. 12-1 above XEB at 22:00. [GH-TX]

1300 KKUB TX, Brownsfield. 12-9 pre sunrise at 06:55. [GH-TX]

WOAD MS, Jackson. 12-13 good. 17:13 with spots for local merchants and gospel music format. [JP-TN]

1310 KEIN MT, Great Falls. 12-18 good. 12:00 with ID between oldies. [NJ-MT]

WTTL KY, Madisonville. 12-11. 17:40 with contest promo, call letters, then back into the mix of stations. [JP-TN]

1330 WEBY FL, Milton. 11-27 right before CST sunset with KNSS looped at 16:53. [GH-TX]

1350 WSMB LA, New Orleans. 12-9 above lots of others at 19:23. [GH-TX]

1400 KREF OK, Norman. 11-27. 16:31 with sports programming. New GY for me. [GH-TX]

KWUF CO, Pagosa Springs. 12-12 poor through others. 21:05 at end of CNN News with weather and call letters mentioned. [NJ-MT]

1410 KBAL TX, San Saba. 11-25 with KNSS slightly looped at 23:59. [GH-TX]

KCUL TX, Marshall. 12-10 popped to the surface. 05:29 with country oldies and ID. "104.1 The Ranch" slogan. [JP-TN]

1420 KBHS AR, Hot Springs. 11-24 above others at 16:35. [GH-TX]

1430 KCOH TX, Houston. 12-12 before sunrise over KTBZ at 07:02. [GH-TX]

1450 KBBS WY, Buffalo. 12-21 on top 1450. 22:06 with "Great oldies back to back on 14-50 KBBS." [NJ-MT]

KZNU UT, Saint George. 12-19. 22:01 Fox News, 22:06 ID "... on Fox News Radio 14-50 KZNU." [NJ-MT]

1460 KXNO IA, Des Moines. 11-25 above local KHFX. 23:27 with clear ID. [GH-TX]

WZEP FL, DeFuniak Springs. 12-23 good. 07:44 with local spots, holiday schedules, ID "...right here on WZEP..." [JP-TN]

1470 KLCL LA, Lake Charles. 12-8 fair. 16:50 with promo for Cajun Radio and intro to a country music song. [JP-TN]

KVLH OK, Paul's Valley. 11-28 between local splatter. 23:34 with oldies. [GH-TX]

1510 KFNN AZ, Mesa. 12-21 on top. 18:59 with ID into traffic report. [NJ-MT]

1530 KNBO TX, New Boston. 12-18 excellent. 06:43 with Gospel music, morning show. [JP-TN]

WTTI GA, Dalton. 12-22 good. 07:58 with country music, ID. [JP-TN]

1540 KXEL IA, Waterloo. 12-9 with KEDA slightly looped. 19:40 with University of North Iowa basketball PBP. [GH-TX]

1550 KMAD OK, Madill. 11-28 between local splatter from KZMP at 23:33. [GH-TX]

KSFT MO, St. Joseph. 12-4 above XEMU at 22:00. [GH-TX]

1560 KOCY OK, Del City. 12-3. 20:00 with Radio Disney programming. [GH-TX]

1580 KXZZ LA, Lake Charles. 12-1 above KHGG at 17:52. [GH-TX]

1590 KWBG IA, Boone. 11-25. 23:00 with clear ID. [GH-TX]

WAIK IL, Galesburg. 11-26. 01:05 with clear ID. [GH-TX]

1600 KEPN CO, Lakewood. 12-19 strong, dominating 1600. 22:59 with local spots, quick "KEPN Lockwood" into local weather. "Classic Country 16 Hundred KCKK" slogan. Nice to hear the legal ID on this one. [NJ-MT]

25 YEARS AGO

December 19, 1981 issue of IRCA's "DX Monitor" ... **Karl V. Jeter** of Decatur, GA said he was 28 and had heard 43 states ... **Tom Jasinski** of Shorewood, IL said he was 34 and worked at Commonwealth Edison ... **Philip Boerama** of Spring Lake, MI stated AM radio may be all but extinct by 1990 ... **Pat Martin** of Seaside, OR discussed daytime DX conditions. December 26, 1981 issue of IRCA's "DX Monitor" ... **Phil Bytheway** of Seattle, WA said he was 28 and worked as an IC design and test engineer for Honeywell Marine Systems, married to his childhood sweetheart Sherry and had a son, Tony, 21 months old. He has logged 1497 stations from 43 states, 7 provinces, and 50 countries.

OPEN MIKE

Nancy and I hope you have a very Merry Christmas and a wonderful new year. We're almost to the end of 2006. A reminder to all reporters, please use Eastern time in your reports. Nancy and I have noticed lately some of our snail-mail is being returned even though the address is perfect. If you receive something back that you mailed, please send the entire (not cut) envelope back to us as we are working with the local postal authorities to find out the problem. They need all the marks, etc. to track this down. This column was typed 12-16 and 12-23-06. 73, John

EASTERN DX ROUNDUP

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

E-mail: lfreshwater@cox.net

Deadlines: SATURDAY 8 am

STARS OF THE WEEK

(WM-MD) **William McGuire** 2412 59th Place, Cheverly MD
DX-398

(CJG-KY) **Chris Gray** Lexington, KY **KU4A@yahoo.com**
Kenwood TS 2000, Gap Eagle Vertical & Terk Loop
GO BUCKEYES

(IEN-GA) **Ira Elbert New** Watkinsville, GA
DRAKE R-8B, 135' N/S L.W., SANGEAN ATS 909

(GT-FL) **Gerry Thomas** Pensacola, FL
Various rcvrs; Quantum QX loop V2.0+; Quantum Phasor w/2 LW

LOGGINGS

580 LA KJM Alexandria, 12/8 0609,. Spot for Catholic Prayer Line on "R. Maria;" then Christmas mx. (GT-FL)

620 TN WRJZ Knoxville, 12-16 1730, clear ID, "WRJZ Joy 62." (CJG-KY)

680 WV WKAZ Charleston, 12-08, Traffic report; WX, "Oldies 68, KAZ." (WM-MD)

690 AL WJOX Birmingham, 12-13 0700-1705, ESPN, local mentions. (WM-MD)

720 GA WVCC Hogansville, 12/12 1626, "Midwest GA 7-20 The Voice;" Sean Hannity, spot for the GOP. (GT-FL)

720 NC WCIS Morgantown, 12-20 1646, gospel music, then into program "How to manage your money". (CJG-KY)

730 AR KQPN West Memphis, 11/29 1830, Slogan "7-30 ESPN;" spots for bars in Memphis. (GT-FL)

770 AL WVNN Athens, 12/11 0642, Boomed in at daytime power-on with many IDs and WX. (GT-FL)

NM KKOB Albuquerque, 12/11 1740, With Cuba and NYC phased, this briefly appeared on three successive days on SSS at 1740 with ID and local wx. Weak but clear and lasting less than a minute. (GT-FL)

790 PA WAEB Allentown, 12-08, "News Talk 790"; ID. (WM-MD)

800 FL WPLK Palatka, 12/17/06 1731, BOH ID and Christmas music. Weak signal with fades. "Magic 800, WPLK". (IEN-GA)

810 MS WSJC Magee, 12/21/06 1705, Religious material. Good signal (S9) with a little static. "It's 4:05. You're listening to WSJC, Magee, Mississippi AM 810 on you dial". (IEN-GA)

VA WSVS Crewe, 12/21/06 1629, BOH ID into bluegrass. Good signal (S9) with a little static. "Classic Hit Country, AM 800, WSVS". (IEN-GA)

820 FL WMGS Largo, 12-21 1740, Spanish music & anc, "Mega Clasissa." (CJG-KY)

830 LA WFNO Norco, 12/7 1050, Fair w/SS rap-like mx, OM/YL annrcs, shouted "La Fabulosa" slogan. (GT-FL)

860 PA WAMO Millvale, 12-13 2035, Diana Ross song. "The new AM 860, R&B and classic soul." (CJG-KY)

910 IL WAKO Lawrenceville, 12/16/06 1908, ID all, but buried in the mix. Weak signal that up and disappeared. "AM 910, WAKO... WAKO... WAKO 103.1 FM". (IEN-GA)

910 TN WEPG South Pittsburgh, 12-18 1757, country music and clear ID. (CJG-KY)
 920 LA WBOX Bogalusa, 12/13 2100, Noted still on w/regular programming 3 hours past LSS. (GT-FL)
 940 FL WINZ Miami, 12-20 1930, Air America talk, news, weather & traffic. (CJG-KY)
 IL WMIX Mt. Vernon, 12-13 1922, adult standards, and clear ID. (CJG-KY)
 VA WNRG Grundy, 12-13 1923, popped up out of the mess with a clear ID twice. (CJG-KY)
 1030 MO KCWJ Blue Springs, 12/13 1814, Fair u/KCTA w/talk about a high school in Kansas City. Quick fade. (GT-FL)
 1090 AR KAAV Little Rock, 12/21/06 1715, Religious material. Good, steady signal (5 over S9). "1090KAAV.COM" and "Arkansas' Leading Christian for over 20 years, 1090 KAAV". (IEN-GA)
 1170 WV WWVA Wheeling, 12-16 2035, program "Jamboree USA". First time heard head here as they have a null in my direction. (CJG-KY)
 1220 IL WLPO LaSalle, 12-20 1658, clear ID popped out of the mess. (CJG-KY)
 1270 NC WCGC Belmont, 12-5 1757, Local mentions; New. (WM-MD)
 TN WLIK Newport, 12-13 1852, ID after song. (WM-MD)
 1290 NY WNBC Binghamton, 12-11 1759, Weather; ID. (WM-MD)
 1300 FL WFFG Marathon, 11/30 2254, ID and spot for Caribe Boat Sales on Islamorada. Can't believe this is a first here. (GT-FL)
 1300 MI WOOD Grand Rapids, 12/17/06 0030, Spot encouraging Salvation Army donations. Weak signal fading in and out of the mix. "...at WOODRADIO.COM". (IEN-GA)
 1310 NC WISE Asheville, 12-21 1845, women's basketball. (CJG-KY)
 1320 TX KXYZ Houston, 11/29 2300, Noted several times with Vietnamese programming. (GT-FL)
 1330 SC WYRD Greenville, 12-11 1900, "NewsRadio 13-30"; ID. (WM-MD)
 1350 MS WKCU Corinth, 12-21 1930, New Orleans vs. MSi State men's BB. (CJG-KY)
 1380 NC WTOB Winston Salem, 12-13 1900, IS; SS pgm. (WM-MD)
 ON CKLC Kingston, 12-5 1855, "Your All Time Favorites"; ID. (WM-MD)
 1420 FL WBRD Palmetto, Daytimer here with SS programming, ex-gospel. (GT-FL)
 TN WKSR Pulaski, 12/21/06 1739, Spot encouraging listeners to report news to the station and crossover country oldies. Signal was all but buried in the mix. "WKSR FM". (IEN-GA)
 1450 FL WSDV Sarasota, Daytimer. "New home of 'The Dove'." Nostalgia format parallel WDDV-1320. (GT-FL)
 1460 OH WBNS Columbus, 11/29 2032, Briefly atop with spot for insurance co in Columbus; then Ohio State football talk; fair signal. (GT-FL)
 1470 LA KLCL Lake Charles, 12/16 1700, On top and good w/great Cajun mx and "Cajun Radio" slogan. (GT-FL)
 TN WBCR Alcoa, 12/17/06 1955, Local ads. Decent signal above the din. "AM 1470, WBCR in Maryville". (IEN-GA)
 1480 TN WBBP Memphis, 12/12 1710, Briefly dominant w/nx, local spots, and many ID's ("14-80 WBBP"). (GT-FL)
 1520 MO KRHW Sikeston, 12-16 1929, country music and clear ID. (CJG-KY)
 1540 LA KGLA Gretna, 11/29 1759, "R. Tropical" here at fair level in SS w/spots for French Market, etc. (GT-FL)
 1690 GA WMLB Avondale Estates, 12-13 2050, music, competing well with WVON. (CJG-KY)
 1760 FL WOKB Winter Garden, 12/13 2300, Reportedly a spur from WOKB-1600 mixing w/WLAA 1680 (shared tower) FF/Creole programming at this time; poor/fair level. (GT-FL)

 That is a WRAP for 2006!!!!!! Happy New Year to All!!.... A big Welcome this week to Gerry Thomas of Pensacola...Report often! Also thanks to Ira, Chris and William... Fresh 12-23-06 1000
Go Gators!! BTW, Round 1 86-60!!

DX FORUM

Richard C. Evans – 7416 Hearthstone Wy – Indianapolis IN 46227-7923

E-mail: REvans5435@yahoo.com DEADLINES: Sundays

Deadlines: 12/30, 1/6, 1/13, 1/20, 1/27, 2/3, 2/10, 2/24, 3/10-anniv, 3/24, 4/7, 4/16 and 5/5

Gary Larson, 2806 Lincoln, Burbank, California 91504-1724

I'm a little late in holiday greetings but hope all will have or had good ones and a decent New Year. Not a lot going on here; mostly work and getting couple of bills paid. I'm glad for colder weather, making some stations easier to hear. Presently no standards station here but country is back on dial after an absence. Too bad 710 here couldn't get KMPC call back. 73 all. (Gary, thanks for the kind words--rce)

DX WORLDWIDE – WEST / TROPICAL BAND DX

Patrick Martin – P.O. Box 843 – Seaside OR 97138

E-mail: mwdxer@webtv.net all times UTC

Another slow week with elevated A&K, but Bill Block & Dale Park saved the day this time around.

PAN AMERICAN DX ROUNDUP

890 **MEXICO**, Tepic, Nay, hrd 12/24 at 0159 with ID "XEPNA Radio Formula" then into Recuerdos music and way on top of KDXU. (BB-AZ)
 1350 **MEXICO**, San Luis Rio Colorado, Son. XELBL hrd 12/23 at 1437 with "Radio Centro". (BB-AZ)
 1370 **MEXICO**, Nogales XEHF hrd 12/23 at 0101 with ID "XEHF Radio Formula". (BB-AZ)
 1410 **MEXICO**, Los Mochis, Sin XECF, hrd 12/20 1450 with "La Mexicana". (BB-AZ)

TRANS PACIFIC DX ROUNDUP

630 **AUSTRALIA**, Townsville, Qld, 4QN 12/12 1641 Phone in show with host, ment "ABC Local Radio Queensland", per WRTH xmtr is in Brandon. Fair to very poor, long deep fades. (5P-HI)
 1098 **MARSHALL ISLANDS**, Majuro V7AD 12/18 1120, music by Berlin, man talking in probable Marshallese, 1131 s/off mentioned "Ah-Em" "Repubelika Marshall Islands" and in EE "This is V7AD 10-98 AM..." pause, NA, then open carrier. First time heard with call sign mentioned. Fair to very poor, QRM KFAK 1100. Also noted 12/02 with BBC World News. (5P-HI)
 1440 **UNID**, 12/12 1056, SS Romantica mx man in SS talk, then somehow a woman in JJ, music sounder, then pgm in JJ. Who is this? JOWF? Very poor. (5P-HI) (JOWF is probably the JJ, but I can't imagine JOWF in SS. I wonder if you had a second station mixing in SS? PM)

THANKS TO THESE REPORTERS

BB-AZ **BILL BLOCK**, 7716 East Thelma Drive, Prescott Valley AZ 86314

billwblock@msn.com

DXing with Drake R8, EWE (20X50X20), Quantum QX Loop

5P-HI **DALE PARK**, PO Box 10640, Honolulu HI 96816 dxfool@aol.com

DXing with Sangean ATS-818CS, Terk AM1000 loop

DX WORLDWIDE - EAST

Brandon Jordan – 4920 Park Ave. – Memphis, TN 38117

E-mail: dxww-e@bcdx.org all times UTC

Merry Christmas and welcome to this week's edition of DXWW-East. Many thanks to this week's reporters and a warm welcome to Gerry Thomas who reports that he is back at the dials after being away for several years, mainly due to attending to hurricane damage over the past few seasons. Monday evening is the weekly deadline for submissions.

*** TRANS-ATLANTIC DX ***

621 **CANARY ISLANDS // SPAIN** RNE R.1 synchros, Santa Cruz de Tenerife et al., DEC 17 0538 - man & woman in Spanish; fair. Loudest TA during aurora. [Connelly*B-MA]
 1548 **KUWAIT** Radio Sawa, Kabd - Kuwait City, DEC 21 0120 - Arabic talk by man & woman; fair to good, high-band TA's starting to perk up again after the recent run of auroral conditions. [Connelly*B-MA]

*** PAN-AMERICAN DX ***

555 **ST. KITTS & NEVIS** Radio ZIZ, Basseterre, DEC 17 0527 - soca music show; excellent. [Connelly*B-MA]
 560 **CUBA** Radio Rebelde, Moa, DEC 17 0603 - //5025 with Cuban party music; even with groundwave WGAN and somewhat over WQAM. [Connelly*B-MA]
 570 **CUBA** Radio Reloj, DEC 17 0525 - Reloj news and ticks; loud, way over others. [Connelly*B-MA]
 580 **PUERTO RICO** WKAQ, San Juan, DEC 17 0525 - Christmas sale adverts in Spanish, then WKAQ ID; good, way over WTAG/YVMJ/HIAF melange. [Connelly*B-MA]
 600 **CUBA** Radio Rebelde, CMKV, Urbano Noris, DEC 17 0536 - //5025 with African-influenced group vocal and heavy percussion; good. [Connelly*B-MA]
 630 **CUBA** Radio Progreso, Pinar del Río, DEC 17 0600 - //640 with talk "Habana, Cuba... territorio libre", then news; just a bit under WPRO. Usually-dominant CFCY was knocked out by aurora. [Connelly*B-MA]
 630 **HONDURAS** Radio América, HRLD, La Ceiba, Dec 7 0348 - HRLD almost good with spot for Ruby Tuesday's in San Pedro Sula and many ments La Ceiba. [Thomas-FL]
 640 **CUBA** Radio Progreso, Guanabacoa / Las Tunas, DEC 17 0612 - //630 with female Spanish vocal; good. [Connelly*B-MA]

- 720 **BRAZIL** DEC 17 0512 - either Recife (ZY1770) or Porto Alegre (ZYK276) here with fast-talk sports coverage in Portuguese, "do Brasil" mention; briefly to fair peak over likely YVQE and the remaining Latin American jumble. [Connelly*B-MA]
- 720 **JAMAICA** *RJR*, St. Catherines, Dec 12 2242 - Fair w/two YL's talking about a merger of a company on the island. [Thomas-FL]
- 720 **MEXICO** *Radio Fórmula*, Veracruz, Dec 20 0527 - Atop w/WGN phased and spot for an internet biz. Reloj and Jamaica way under. [Thomas-FL]
- 760 **COLOMBIA** *RCN*, HJAJ, Barranquilla, DEC 18 0949 - Spanish news with several Barranquilla mentions; mixed with WJR. [Connelly*B-MA]
+ Dec 20, 0555 - Fair/poor mixing with several LA's; many RCN ID's. Think they played "My Sweet Lord" in SS at this time. [Thomas-FL]
- 770 **COLOMBIA** *RCN*, HJJX, Bogotá, Dec 11, 0100 - Very good with numerous spots and RCN ID's. [Thomas-FL]
- 770 **CUBA** *Radio Rebelde*, DEC 17 0546 - //5025 with uptempo music; slightly over Colombia. There was hardly any WABC showing. [Connelly*B-MA]
- 770 **MEXICO** *Radio Fórmula*, XEACH, Monterrey, DEC 19 0348 - Fair/good with WABC phased. Shouted Christmas line-up and several ID's. [Thomas-FL]
+ DEC 19 1228-31 - Carrying network programming, XERFR ID at BOH. [Pogue-TN]
- 780 **HONDURAS** *Radio Sonora*, HRCN, La Ceiba, Dec 7 0450 - Atop with "Good-bye cruel world" in SS and *Radio Sonora* ID's. WBBM phased. [Thomas-FL]
- 780 **VENEZUELA** *Radio Coro*, YVMN, Coro, DEC 17 0600 - nice *Radio Coro* ID; atop CFDR & WBBM. [Connelly*B-MA]
- 790 **CUBA** *Radio Reloj*, Pinar del Río, DEC 18 0956 - Reloj ticks and beeps; under WSKO. [Connelly*B-MA]
- 820 **ST. KITTS & NEVIS** *Trinity Broadcast Network / Radio Paradise*, Charlestown, DEC 18 0945 - TBN preacher; over Cuban Reloj ticker, no domestics noted. [Connelly*B-MA]
- 840 **COLOMBIA** *Ondas del Caribe*, HJKK, Santa Marta, Dec 20 0410 - Almost loud with WHAS phased. *Ondas del Caribe* ID's and several Santa Marta mentions. Laid-back SS vocals. [Thomas-FL]
- 850 **CUBA** *Radio Reloj*, Nueva Gerona, Isla de la Juventud, DEC 19 2230 - Weak Morse code "R R" through a couple of domestics. [Pogue-TN]
- 890 **CUBA** *Radio Progreso*, CMDZ, Santiago de Cuba, DEC 17 0614 - //900 with romantic vocal; very good, nearly equal in strength to local WAMG. [Connelly*B-MA]
- 890 **ECUADOR** *Radio Superior*, Machala, Dec 20 0430 - Presumed the one, as heard in the past, with hauntingly beautiful Andean flute mx and ments Ecuador. Weak and mixing with several other LA's. [Thomas-FL]
- 900 **CUBA** *Radio Progreso*, DEC 17 0614 - //890 with soul-influenced romantic Spanish vocal; huge / dominant. [Connelly*B-MA]
- 900 **CUBA** *Radio Manatí*, CMLD, Manatí, Las Tunas (tent.), DEC 17 2250 - Apparently a new one here with clear ID and place names confirmed by several other listeners. Previously listed in 2003 DXLD as FM 92.9. [Pogue-TN]
- 1110 **VENEZUELA** *Radio Carupano*, YVQT, Carupano, DEC 18 0107 - Carupano mention and possible sports coverage; mixed with WBT. [Connelly*B-MA]

*** CONTRIBUTORS ***

Mark Connelly MarkWA1ION@aol.com

[Connelly*B-MA] = Billerica, MA, USA (GC= 42.5332 N / 71.2205 W) (home)

Receiver: Drake R8A. Antenna System: dual-feedline Flag antenna (11.5 m horiz. by 5.5 m vert., base height 7 m, east-west), bufbox Accessories: DXP-6 (phasing unit)

Jim Pogue jpogue@midsouth.rr.com

[Pogue-TN] = Memphis, TN

Receivers: NRD-535, ICF-2010. Antennas: Wellbrook LA5030 active loop, attic longwire. Accessories: Quantum Phaser

Gerry Thomas radioplus@bellsouth.net

[Thomas-FL] = Pensacola, FL

Receivers: Various. Antenna: Quantum QX Loop v2.0+, Quantum Phaser w/2 longwires.

¡Feliz Navidad y próspero año nuevo!

73 de Brandon

DX WORLDWIDE - II

Bruce Portzer – 6546 19th Ave. NE – Seattle, WA 98115

E-mail: bpportzer@comcast.net

All times unless noted otherwise

WESTERN HEMISPHERE

ARGENTINA:

800 R. Wajzugun, San Martine de los Andes – new station

1340 R. Renacer, Castelar, Gran Buenos Aires – new station

1420 R. Olivera – new station

1500 R. Popular – new station "no oficial"

1650 R. Revivir from Buenos Aires – new station

1665 R. Bethel has drifted from 1670

1668 R. Getro, Lanus, BA now on this frequency (Slaen/Cornachioni, ConDig via ARC)

5130 Khz "AM1710", Ciudad Autonoma de Buenos Aires, 0020-0035, Dec 23, Spanish. This station transmits on 1710 Khz, in the local X Band. Program about the Buenos Aires province and the different local politics. Identification: "AM 1710... la 1710 quiere seguir este año nuevo con vos... una nueva radio con vos", ann. program "La Rosa de Tokyo" (the program of DX & communications with the cooperation of Grupo Radioescucha Argentino staff): "La Rosa de Tokyo... no te lo podes perder", 34443 (Arnaldo Slaen, Argentina, hcdx)

PÉRU: 780 OAX4X R. Victoria– new (Lars Skoglund via UKVK via ARC)

EUROPE, AFRICA, AND MIDDLE EAST

BOSNIA & HERZEGOVINA: Patrick Robic in southern Austria, ARC correspondent for southeastern Europe, has informed about the low powered MW-transmitters on air:

774 Radio Tuzla in Tuzla (public) 2 kW

792 Radio Banovici, Banovici (public) 2 kW

1503 RTV Zavidovici, Zavidovici (private) 1 kW (exact frequency 1502.9 kHz)

1602 Radio Boston, Sanski Most (private) 1 kW

Patrick has logged Radio Banovici recently at 1518 UTC with local programs. At 1700 they relay BH Radio 1 for news until cd 1729. In September he also logged Radio Boston on 1602 kHz. BH Radio 1 is broadcasting on 612 kHz and heard quite well during late afternoons in southern Sweden. (via Bengt Ericson, Arctic, Nov 6, 2006)

FAROE ISLANDS: Since Oct 1, Kringvarp Føroya (Faroese Broadcasting Corporation) has 24h. service, including 531. During 2300-0700 non-stop music without any interruptions. After merging with the Faroese television Jan 1, 2005 the name has changed to Kringvarp Føroya (from Utvarp Føroya). (Sámal J. Samuelson, Kringvarp Føroya via Ydun's Mediumwave Info)

FINLAND: YLE has informed in their program bulletin 28.10-31.12, 2006 that Pori MW (963) and SW-broadcasts will end with the beginning of 2007. MW 558 kHz from Sandhamn in Helsinki will continue as a service to the Baltic Sea. (Bengt Ericson, Arctic, Nov 6, 2006)

FRANCE: The French media authority CSA has withdrawn the MW licences of Superloustic (ex 675 and 999) as well as Radio de la Mer (ex 1080). (Kai Ludwig via dxld via mw info)

The plans for French MW station (1593) - Littoral AM - have been withdrawn. They missed 32000 euros in the budget of investments. They had already installed antenna in the planned site in Lamballe, Saint Goueno (Bretagne). But it now remains unused, at least by Littoral AM. You can see pictures of antenna construction work at Thierry Vignaud's website: <http://perso.orange.fr/tvignaud/galerie/am/22stgoueno.htm>. (Renato Bruni, mwc 28 Nov)

IRELAND: Irish public broadcaster RTÉ has confirmed that the 252 kHz site (200kW in analogue) is to have a new transmitter installed this week to allow the transmission of DRM on this frequency. At present, a date has not been set, but initial tests will take place in DRM mode between 0200-0500 UTC, simulcasting RTÉ Radio 1. The power for the DRM broadcasts is not yet known. ("Jimbo" via DRM Software Radio Forums via <http://blogs.rnw.nl/medianetwork/>)

LITHUANIA: Former Pirate station KBC Radio from the Netherlands is back on the air starting Dec 23 on 1386 AM with 500 kw from Kaunas every Saturday evening 2300-2400 CET. On Dec 23 & 30 they will start with 2 test transmissions. In the seventies and eighties KBC was a very active pirate on SW and MW. They are working on a special KBC International website... coming soon. Programs are mainly in English. 500 watts of Musical Power, The Mighty KBC Contact the station at info@k-po.com (Eric van Willegen via <http://mediumwave.info/news.html> via Renati Bruni mwdx, 23 Nov)

LUXEMBOURG: Radio Luxembourg, the English service of RTL which broadcasts on the Internet and digital shortwave, has re-launched its website with some additional features, including news headlines. There are some new forums, including one devoted to the re-launch of the station, and a lot of new photos have been added. There have also been some on-air changes. According to the Home Page "New schedule, new jingles, new station voice, news, a few new faces and a brand new look to our website. Radio Luxembourg is even more dedicated to bringing you the best in Classic Rock because here at Radio Luxembourg we like music the way it should be." <http://www.radioluxembourg.co.uk/> (Media Network via Mike Terry, mwdx)

MOROCCO: 1638 kHz, RTM-"A", Rabat, 1057- 02 Dec, Arabic, talks, news 1100; harmonic of 819; 34443, QRM de harmonic (!) of R. Euskadi 819, Donosti, Spain (Carlos Gonçalves, DXLD)

NORWAY: Northern Star project to continue with new name after another setback. After Norkring AS announced in 2003 it was not able to house the AM 216 frequency at its shortwave site in Sveio, Northern Star International Broadcasters AS decided to follow a more flexible strategy:

The company decided to keep the offer for 216, while concentrating on campaigning for another Norwegian high power channel AM 1314, knowing this was likely to be given up by the NRK in 2006. It was thought that starting transmissions on this channel, besides of making revenue, would open up the complex challenges regarding building the longwave station. Subsequently, for 3 years there has

been a low-profile process with extensive lobbying work in the bureaucracy and the leasing market to get this alternative frequency and its present site.

At the end of July 2006 at the last the company was able to register a significant success as it secured an exclusive offer for the combined 1314 package from Kvitsøy 24/7. This process has temporarily stopped though as the investors (and the company itself) thought the price asked by the site owner was much too high. It has emerged that at the same time the 1314 frequency permit (not a license) has been advertised in Oslo. At the moment, it is not clear what this will mean for our process.

Northern Star International Broadcasters AS at any rate has decided to broaden its flexible strategy and will now with interested investors also consider transmitter sites in other countries including other frequencies and wavebands than 216, 1314 and Long-and Medium Wave. Northern Star International Broadcasters AS also has decided that this is a good occasion to re-launch the project with a new name: Radio Norway International. The proposed on-air identity is new, but the Northern Star project is continuing. Thanks to Feico de Boer, Anorak Nation for the alert. Website: <http://www.northernstar.no/> (Northern Star press release dated 12 Dec via mwc)

PORTUGAL: 1035 kHz R. Nacional, Belmonte, is off for quite a number of days now. I've found their site via GoogleEarth: 38° 52' 15.5" N, 08° 47' 30.85" W, so not between natl. road n° 10 & motorway A13 as I thought, but just on the north edge of the A13. It's simply not possible to get near the transmitter as its perimeter is a leased area within a (state owned) property (Carlos Gonçalves, Portugal, DX LISTENING DIGEST, 5 Dec)

ROMANIA: Summary of private radio stations on mediumwave: 1485 (1kW): Micul Samaritean in Bacau and Medias; 1485 (1kW): Micul Samaritean planned (licensed) in Oradea; 1485 (1kW): Vocea Sperantei planned (licensed) in Botosani (fq formerly licensed to R. Favorit); 1584 (1kW): Micul Samaritean in Bistrita, raiova, Radauti, Sighetul Marmatiei and Suceava; 1584 (1kW): Radio Sud planned (licensed) in Giurgiu 1584 (1kW): Radio 7 Est planned (licensed) in Iasi (fq formerly licensed to R. Favorit); 1602 (1kW): Micul Samaritean in Piatra Neamt; 1602 (1kW): Radio Sud Est in Slobozia; 1602 (1kW): Radio CNM in Arad; 1602 (1kW): Vocea Sperantei planned (licensed) in; Bistrita (fq formerly licensed to R. Favorit). The following licenses expired or were withdrawn: Aurora FM (Bacau & Galati 1584, Focani & Iasi; 1602), R. Maria (Oradea 1584), R. Favorit; (Botosani 1485, Iasi 1584 and Bistrita 1602), Micul Samaritean in Fagaras, Sânnicolau Mare and Tulcea on 1584. (Bernd Trutenau, mwdx 19 Dec)

RUSSIA: There's a new Russian station broadcasting from Olgino, St. Petersburg on 1323 kHz. It's called Novoye Radio, and it's replacing Radio Grad Petrov that used to broadcast several years on this frequency. Logged in Finland at 0800-1000 UTC. (Mauno Ritola, Arctic) The transmitter power is 10 kW and location Olgino (20 km north of St. Petersburg), Antenna non-directional. Broadcast schedule 0800-1000 UTC. The address: pr. Chkalovskiy 60-40, 197022 St. Petersburg, Russia. (Aleksandr Anatolevich Serebrushkin via MIDXB, via Ullmar Qvick, via Arctic)

The Kremlin has apparently pulled the plug on the BBC following the London killing of defector Alexander Litvinenko "The London Paper" on November 28 reported that "The BBC's Russian Service has been off the air in Moscow and St Petersburg since last Wednesday due to what Russian authorities have described as 'technical problems'. One insider put it differently, however: 'They turned the transmitter off.'" Litvinenko issued a statement from his death-bed claiming that he was poisoned on the orders of President Putin (Roger Tidy, UK, Nov 28, DXLD)

SPAIN: Many SER network stations are placing ads or ID's at minute .59 to .00 during night time at least from past September. (M.Molano, Salamanca via HCDX 24.10.2006)

SUDAN: The "Al-Sharq" ("The East") radio station broadcasting from Sudan to Eritrea on mediumwave (quoted as "Eastern Radio" in the DX press in November 2005, see item below) was closed in early November 2006. (Bernd Trutenau, mwdx 12 Dec) (Apparently 909 kHz bp)

SYRIA: 702 Alquds Radio, I picked up that radio stn on Nov 6 around 1800 UT on 702, it was kind of surprise for as I used to hear them only on the northern coast of Egypt, now they are in the clear here in Cairo with some QRM from Turkey. The last time I picked that stn in June 2006 their prog schedule on MW used to be around 0600 to 1400 UT only and 24/7 on FM (tent.). Sounds like they extended their txion on the MW. Maybe increase in power as well. I picked them up as well during last Ramadan (October 2006) around 2100 UT but I thought that was an extended schedule only for Ramadan, but sounds like I was wrong. (Tarek Zeidan, wwdxc BC-DX 6 Nov via MWC)

UKRAINE: Now 6 regions have own programs on UR-1 on MW: 675 Zakarpatske OR, 711 Donetsk OR, 810 Volynske OR (and Lutsk Miske R !!!), 936/1134 Luhanske OR, 1557 R Bukovyna, 1584 Ivano-Frankivske OR. (OR = Oblasne Radio, regional radio). Cf. MVE 47:8 for times for 810. During the winter 1340-1400 would be the best times to hear the stations. (Alexandr Mak via Mauno Ritola, Arctic)

1359 Radio Tsentral (regional station from Donetsk) is on 24h nowadays. Except 1930-2000 when it relays Radio Polonia, Ukrainian. TX Dokuchayevsk (dozen km south of Donetsk). Major QRM here: RNE & RSM (Perm). Also Iran (possibly regional sce from Lar). Detailed ID at each ToH and at other times. 1368 Serbia-Cherna Gora. Regional station Valjevo can be heard with fair-to-good signal at around <1400-1558*. Interesting news, interviews featuring local affairs. A lot of music (mostly Engl pop oldies). QRM: IRN and few weakies. (Vlad Titarev Kremenchuk,UKR, mwdx)

ASIA AND PACIFIC

HAWAII: Over 70 years of Hawaiian radio art features in a new on-line exhibition recently opened at www.radioheritage.net the global website of the Radio Heritage Foundation. The exhibition brings together commercial designs from logos, letterheads and promotional ephemera covering Hawaiian radio broadcasters, mainly from the 1950's and 60's.

Three main themes cover maps, hula girls and buildings. There's the famous orchid map from KILA 'The Voice of the Orchid Isle', a hula girl from 1940's KULA and many more examples from long gone and forgotten radio stations that once entertained residents of the islands.

KANI [The Windward Broadcasting Company], the Aloha Radio Network, KLEI, KTOH and KTRG are just some of the many stations featuring in this nostalgic look back at the art work that helped Hawaiian radio stations define their individual identities.

The classic elements of radio towers, palm trees, little grass shacks and hula girls come together in this fascinating tour of the radio dial from when Hawaii was still a territory. There are some post-statehood examples as well, as radio became a more competitive medium.

The Art of Radio Hawaii on-line exhibition draws on some of the Hawaiian radio ephemera held by the Radio Heritage Foundation, a non-profit organization dedicated to sharing the stories of Pacific radio.

The exhibition is permanently open with free public access at www.radioheritage.net and is the third in an ongoing series celebrating radio related art from around the Pacific. Earlier exhibitions feature Australia and New Zealand from the 1930's and Japan from the 1930's to the 1960's.

Readers and listeners with memories or ephemera of any Hawaiian radio stations are invited to contact the Radio Heritage Foundation which is also planning another exhibition covering Hawaiian radio from the 1970's to the present time. (Radio Heritage Foundation press release)

INDIA: With in a few days after receiving my QSL of AIR Bhopal new frequency 4810 kHz, I got yet another confirmation from the Station Engineer for a back log report dated 12 October 2004 for the old 3315 kHz! So if you want to verify the old frequency this is the best opportunity. The current Station Engineer Mr. Sudhir Sodhia seems to be crazy with reception reports and verify the backlogs from dustbins! Further all verified reports are forwarded by the station engineer to Spectrum management division at New delhi for an excellent AIR QSL Card!! So if you are holding some backlogs why not use this opportunity. (T.R.Rajeesh, DX India)

In 1947 when India became independent, there were just six radio stations – all under the AIR banner. Now every city has an average of six channels and every day in some part of the country there are 3-4 stations arriving on the airwaves.

"India is a country of trends. Here many times something catches the public's imagination. And then for some years, it is the rage. Right now radio is fashionable," said Radio One Director (Programming) Ritu Soni Srivastava. Radio's come a long way. In fact what we are witnessing now is the second coming of the radio revolution.

In the latest burst of opening up the airwaves, 245 new channels were added to the existing 20. In Delhi for example, some corporate houses bid to the tune of 31 crores to acquire frequencies. After paying a hefty licence fee to the government, it takes another few crores to set up a studio. Add to that a workforce of about 20 young people with a passion for music and a flair for wit and humour and you're ready to take on the airwaves.

Once the money starts rolling in, stations have been known to make a profit of more than Rs 1 crore per month.

"When you capture the youth, then I think you can have consumer driven revolution. And that's what has happened," said Akhila Sivasdas Media analyst. Radio accounts for roughly 2 per cent of the total advertising pie. 10-second slots are sold for Rs 500 to Rs 1000. And when it comes to localised advertising, nothing works better than radio. "What works with radio is that it is a medium that works as a reminder for the client. It's a wonderful way to advertise specially as a follow up from lets say, a print ad," said Parsvsnath Developers COO Sunit Sachar.

The radio boom may have had a bit of a late start in India, but its all moving in the right direction. And what's good news for the airwaves is that the best has just begun. (Source: <http://www.ibnlive.com/news/radio-business-back-with-a-bang/28351-7.html>, Sathi Vel, HCDX)

IRAN: 1368 Radio Golestan in Gorgan seems to have a high power transmitter on this fq. Heard very well with full ID " Injah Gorgan est, Radio Golestan" and local programming at 1500 thanks to tip from Mauno Ritola. Excellent signal every afternoon in Växjö. According to MR the Iranian stations have introduced a new ID-style: " Injah (capital) ast Radio (province)". Same type of ID heard from other Iranian stations. (Bengt Ericson, Arctic)

Winter 2006-2007 schedule of the Arabic section of VOIRI on mediumwaves: 576 0330-1630, 612 0430-1630, 765 1330-1030, 1080 1630-0230, 1161 1630-2130, 1224 0000-0000. (Arabic page of www.irib.ir, via Tarek Zeidan, wwdxc BC-DX 6.11.2006 via MWC)

BROADCASTS IN ENGLISH - B06 (WINTER 2006) EDITION

The Winter 2006-2007 (B06) edition of Broadcasts in English is now available from the British DX Club. It was compiled by Dave Kenny and includes details of all known international broadcasts in English on shortwave and mediumwave for the B06 schedule period, as well as selected domestic English-language broadcasts on short wave.

As usual the 32-page booklet is in time order and covers all target areas worldwide. Transmitter sites are given where possible along with schedules for DX and Media Programmes, Digital Radio Mondiale (DRM) and World Radio Network services in English to Europe.

Copies are available at the following prices (postage included): United Kingdom - 2.50 pounds sterling, Europe - 5 Euros or 6 International Reply Coupons, Rest of World: 7 US dollars or 7 IRCs. Sterling payments by cheque/postal order to "British DX Club". Dollar or Euro payments in cash or via Paypal.

Orders to: British DX Club, 10 Hemdean Hill, Caversham, Reading RG4 7SB UK
Email/Paypal enquiries: bdxc@bdxc.org.uk. Website: <http://www.bdxc.org.uk>.

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Software Defined Radio, part II

by Jack Weber

In the first section of this article, I described the basics of software-defined radio and examined some of the advantages and disadvantages of this approach. This time, I want to look at the various models that are currently available in the UK, thinking particularly of how well suited they are to MW DXing. (ed. Note: the North American reader, should be able to obtain most of these)

Six general purpose SDRs are currently available in the UK. These are the FDM77 made by Italian firm Elad, the SDR-1000 from American company Flexradio Systems, and four models from Australian manufacturer WinRADIo – the G303, G305, G313 and G33EM. There are also a few SDRs that aren't on sale in the UK, these include the SDR-14 made by RFspace in America, the H101 from CiaoRadio in Italy and the DRB30 from Swedish company PMR446. I don't know if or when the H101 and DRB30 will be available in the UK and I haven't yet had an opportunity to use them, so I won't consider them further. However, quite a few people have imported the SDR-14 from America and, as it's quite different from the others and does cover MW, I will include it here.

Elad FDM77: This receiver comes in a small aluminum case that connects to your PC by USB. Coverage is 50 kHz to 60 MHz and it provides AM, LSB, USB, CW, FM and DRM modes. The receiver can be used at either of two levels – Basic, which allows only a fixed bandwidth and AGC setting for each mode, or Advanced, which lets you select 19 bandwidths for the IF filter and three AGC speeds.



Figure 1: In Basic mode, the FDM-77 presents a control panel that resembles a typical hardware receiver. But note the audio graphic equalizer on the right.

One unique and excellent feature of the FDM77 is that it has two independent notch filters – it's surprising how often this comes in handy. Also novel and useful is the six-band graphic equalizer for adjusting the audio. The FDM77 doesn't allow spectrum recordings, which is a shame. However, the DRM decoder is a real plus if you're interested in receiving this mode, and having it built in means that there is no need to install or set up any additional software.

At around £400, the FDM77 is a good receiver, but not a cutting-edge DX machine. It's easy to use and, for mainstream shortwave listening, it would be a good buy, but it doesn't aim for the more specialized needs of the dedicated MW DXer. A more up-market model, the FDM78, is due to be released, but no details of the specification have been revealed yet.

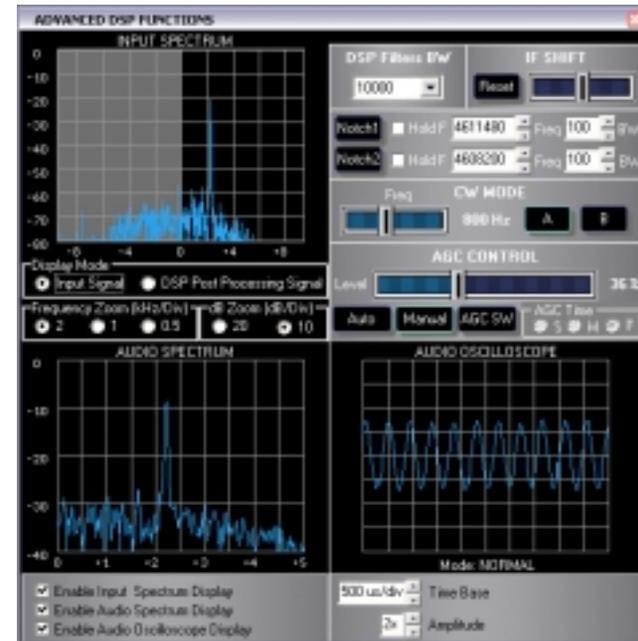


Figure 2: In Advanced mode, a separate window opens showing the bandscope displays and providing controls for the bandwidth, AGC, notch filters and IF shift.

FlexRadio SDR-1000: This one's unusual in several significant respects. First, it's not a receiver, but an amateur transceiver. However, with the transmit function disabled you have a general-coverage receiver that tunes 11 kHz to 65 MHz. Second, the hardware design is more like a direct-conversion receiver than a normal superhet. It employs an unusual circuit called a Quadrature Sampling Detector (QSD) that gives excellent performance but demands a very high-spec computer soundcard. Just two models of professional soundcard are officially approved for the SDR-1000 and they'll add either £100 or £200 to the overall cost. Having got one of these cards, you'll need to spend some time periodically calibrating the signals that go to it. The hardware part of the SDR-1000 comes in a larger than average black metal box and connects to the PC via a parallel printer cable rather than USB.



Figure 3: The SDR-1000 has an excellent spectrum analyser display and can simultaneously receive on two frequencies, as shown here. The mode and filter buttons are on the right, bandwidth can be adjusted using the sliders at lower right or by dragging the filter edges on the main display.

Another unusual feature of the SDR-1000 is that its software is distributed under an open-source license. This means that anyone with the necessary programming skill can modify it and make their version freely available. Some alternative variants already exist, but the company's official software is also quite fluid – a full version is released every few months, but new beta versions are made available almost daily.

The receiver works in AM, Sync AM, USB, LSB, DSB, CW and FM modes, with DRM as an option via the DREAM software. There is a range of customizable filter presets, but you can also smoothly adjust the bandwidth and the IF shift using slider controls or by dragging the passband on the spectrum analyzer display. The notch filter is good, but unfortunately it's automatic, so you can't set it manually if it fails to lock onto a weak heterodyne.

The SDR-1000 can receive on two frequencies simultaneously, providing they're both within the overall bandwidth that's being processed in the software. Unlike the SDR-14 (which can do the same), the SDR-1000 has to have both demodulators set to the same mode. Reception performance is generally very good with a combination of wide dynamic range and low noise that brings signals sharply into focus. On SW this receiver is up with the best of them, but it doesn't seem to scale quite the same heights on MW.

Operationally, the spectrum analyzer display is one of the radio's strongest features. Because it's able to combine digital sampling of the two stereo channels, it can double the normal bandwidth and display up to 190 kHz at a time if you use a 192 kHz soundcard, or 90 kHz with a 96kHz card. You can pan and zoom the display to enlarge any area of interest or pull out for an overview. The display can also be averaged over an adjustable time period, which means that noise (and some modulation) starts to cancel out and gives you a very clear indication of steady carriers. Combined with the large bandwidth, this is absolutely superb for spotting potentially interesting signals on nearby channels.

On the negative side, spectrum recording is available, but isn't well handled. There's no Fast Forward or Rewind control so, if you hear something of interest in the middle of a long recording, you have to go back to the beginning to replay it. That makes it unusable for unattended recording. Spurs (spurious signals from the master oscillator) are also an occasional problem. Most don't intrude into the receive passband and so you won't hear them, but some do. Also, their appearance on the spectrum analyzer display can mislead you into thinking that there's a station there when there isn't.

One factor that specifically affects MW and LW is that the QSD responds to all odd harmonics of the tuned frequency. So, if you're tuned to 1 MHz, it will also pick up more weakly signals on 3, 5, 7... MHz and so on. To block these harmonics, the receiver is fitted with low-pass filters in the front end. However, the lowest of these is designed to protect the 160m amateur band, which starts at 1.8 MHz. Below about 830 kHz this filter becomes ineffective so you need to provide an additional filter or tunable preselector to extend usable coverage to the lower end of MW or beyond. I've successfully used the Palstar MW550P preselector, but a fixed lowpass filter that cuts off at about 1 – 1.5 MHz would also work and be less fiddly.

My overall view is that this is a superb and innovative receiver that's evolving very fast. However, it's not a beginner's radio – you need some experience and technical knowledge to get the best out of it, and you need to keep it adjusted for peak performance. While its reception on shortwave is outstanding and its facilities for the amateur bands are excellent, it was never designed with MW DXing in mind, so there's always an air of compromise when using it there. American MW DXer Guy Atkins has been using an SDR-1000 for some time and has produced a very useful blog of his experiences which you can read at <http://sdr-1000.blogspot.com/>. The Flexradio SDR-1000 costs around £650.

RFspace SDR-14: Although it can certainly be used as a receiver, the SDR-14 is primarily a realtime spectrum analyzer, and that's where its true strengths lie. It can be used as a bandscope with wideband receivers such as the Icom IC-R8500 or AOR AR-5000 that provide a 10.7 MHz IF output, and it's highly regarded in areas such as amateur radio astronomy and satellite monitoring. It also offers some unconventional opportunities for MW DXers.

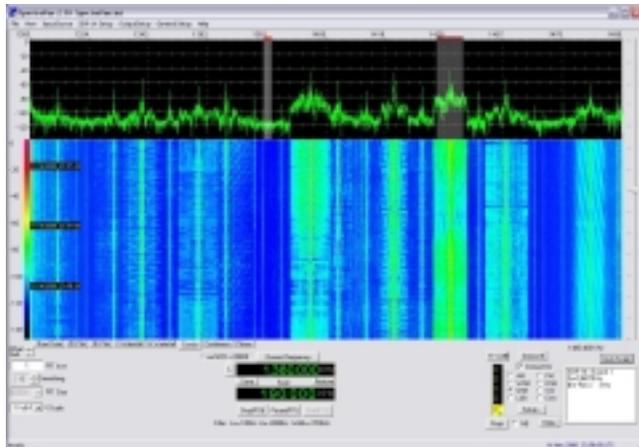


Figure 4: The SDR-14 provides various display options – here we have a basic spectrum graph above and a waterfall display below. Two separate frequencies are being received independently, one in AM and the other in USB.

The emphasis on spectrum analysis is obvious from the screen, which is dominated by a large display panel with relatively few receiver controls. However, the SDR-14's software does include a DSP demodulator just like the other SDRs described here. This can handle AM, SSB, DSB, CW and FM and you could add DRM by using the DREAM software. It tunes up to 30 MHz and, like the SDR-1000, it can receive two frequencies simultaneously. Unlike the SDR-1000, it can use different modes for each demodulator. Remember, however, that this is a spectrum analyzer first and a receiver second.

There is no IF shift, no audio filter, no notch filter; there isn't even a front panel control for the IF bandwidth, instead you have to open a small dialogue box to set the filter. For live DXing, this is a total disaster. However, the SDR-14 has other tricks up its sleeve.

Unlike most SDRs that convert the received signal down to a low IF which can be processed by audio DSP circuits, the SDR-14 uses genuine RF DSP hardware that samples the incoming signal at 66.667 MHz. This gives it a usable bandwidth of 30 MHz. In other words it can digitize, display and record the whole spectrum from VLF to the start of VHF in real time. Just to emphasize what this means – that's all of LW, MW and SW sampled and recorded in one go.

In Part I of this article, I said that I expect in ten years time we'll be able to record all of MW in one pass and do our listening later. Yet I'm now saying that this can record much more than just MW. Is there a contradiction here? No, because what you can't do is receive any signals from this recording – all you can do is observe its spectrum display. That's actually pretty impressive and useful in itself, but it's not the full delayed DXing facility that's coming. The SDR-14 is, however, a significant step towards that because its maximum bandwidth for IF spectrum recordings that can be re-received later is 190 kHz (150 kHz on some slower PCs). So, if you can put up with the primitive receiver controls, you could record about a sixth of MW and tune around within the recording later. Long term recording is no problem as you can scroll backwards and forwards during playback and it will automatically string together multiple recordings to avoid any file size limits. It can also record baseband audio from either one or both demodulators.

Unfortunately, demodulator performance doesn't match the best SDRs and it struggles to resolve audio from the weaker signals. Even so, I've often used it to capture chunks of MW, such as the whole of the X-band, overnight and have heard many TA stations on it – just don't expect it to deliver the best DX.

Where the SDR-14 is most useful is for mapping MW frequency usage and keeping an eye on propagation. Leave it running overnight and you can easily capture sign-on and sign-off times for a whole block of European channels, or use it in the evening to see when TA carriers start to appear across a range of channels. It's also good for spotting NDBs or observing mystery carriers. Because the displayed bandwidth can be varied from very narrow up to the full 30 MHz, it's a really versatile tool that deserves to be more widely used.

The SDR-14 is not available in the UK, but is sold by Universal Radio in the USA for \$1099.95.

Winradio G303: Like the G305 and G313, the G303 can be bought either as a PCI card to plug inside the PC or as an external box that connects to the PC's USB port. Coverage goes from 9 kHz to 30 MHz. The hardware is available with two levels of software known as the Basic and Professional Demodulators. The Professional version is essential for any serious DXing so I'll concentrate on this. It provides AM, Sync AM, LSB, USB, DSB, ISB, CW and FM with optional DRM software that integrates neatly into the on-screen control panel. Bandwidth can be smoothly adjusted in 1 Hz steps up to a maximum of 15 kHz, alternatively there are ten presets for each mode.



Figure 5: This is the G303 with its Professional Demodulator. As well as preset filters at bottom left, the IF Bandwidth box just above has a three-part control on its right that allows you to vary the filter width in 1 Hz steps. The yellow squares on the right are one of the G303's many tuning controls.

Versatile tuning is a feature of all the G3 receivers and there are many ways of using the keyboard and mouse to tune smoothly or in adjustable fixed steps. Although the method of editing memory entries seems a little clumsy to me, the fact that they store mode, bandwidth and a descriptive text

field makes them very useful if you want to jump around the 10 kHz channels without having to adjust the sideband and filter every time.

The real-time spectrum analyzer shows a 20 kHz window centered on the tuned frequency. There is also a wideband spectrum analyzer that can be set to sweep any frequency range. This is particularly useful at higher frequencies but not really appropriate for finding weak signals on MW. Receiver performance is very good, not up to the standard of the more expensive G313, but certainly better than many conventional mid-range receivers would manage.

Unlike on the G313, you don't get any facility for IF recording, nor an interactive spectrum display on which you can adjust the tuning and bandwidth graphically. There is also no notch filter or noise blanker. If you move down to the G303 Standard Demodulator, you're limited to fixed bandwidths for each mode and you lose any AGC settings beyond On and Off. Also, the filter shape is softer and the sensitivity less good, so the Professional Demodulator really is essential if you buy a G303 for DXing.

The G303 was the first SDR I ever used and it bowled me over at the time. Coming from conventional receivers, it was a revelation. Having moved up to a G313, I'd now find the G303 quite limited, but the price difference reflects their relative positions. A good choice, but not the best choice. Prices start at around £386.

Winradio G305: This is a wideband receiver covering 9 kHz up to 1.8 GHz. As in all wideband receivers, some compromises need to be made. In this case, the result is that performance deteriorates noticeably below about 2 MHz, which means that this is not really a sensible choice for MW DXing even though it's a good receiver at VHF and above.

Winradio G313: This is Winradio's top-of-the-range model. Like the G303, it covers 9 kHz to 30 MHz and has all the features of its junior sibling, but it's the extras that make the difference. These include a notch filter, noise blanker and a low-pass video filter that smoothes out the spiky display (without affecting reception). There's also a useful adjustable audio filter accessed through a separate Setup window.

The most obvious difference, however, is the fully interactive spectrum display. Using the mouse, you can drag the filter edges where you want them or offset the whole passband. Similarly, the notch filter can be moved about with the mouse to take out any carrier or other source of interference. For rapid adjustment when working in a crowded band, this is absolutely superb stuff. One improvement that would help would be if the display could be averaged over time in the way that the SDR-1000's can, in order to reveal carriers better.



Figure 6: IF spectrum recording is a particularly good feature of the G313. Here, it's playing back a recording made at 1385 kHz. This allows two channels – 1380 and 1390 – to be re-received at 5 kHz above and below the center. The frequency display doesn't reflect the recorded frequency so you'd have to adjust it manually if it's confusing.

The available modes match those on the G303's Professional Demodulator, but the Sync AM seems to work better. It holds lock superbly and is actually the best Sync AM mode that I've found anywhere.

Also excellent is that the G313 has four VFO buttons by the frequency display. These aren't actually separate VFOs, but more like four easily accessible memories that let you grab the settings for a particular station and then retrieve them with a single button push. The optional DRM software deserves a mention as it's neatly designed and works very well. Rather than being an external add-on in the way that DREAM is for some receivers, it simply replaces the normal demodulator section of the G313's (or G303's) control window and becomes fully integrated with the receiver. A single click will switch between this and the normal demodulator.

The in-built recorder can capture either the IF or the final audio. IF recording is limited to a 15 kHz bandwidth which is narrower than the SDR-1000 or SDR-14 provide. However, you can easily scroll backwards and forwards through the recording to spot check for IDs at the top or bottom of the hour. The only thing missing is a time-of-recording display – instead you have to work it out from the elapsed time. You can leave the recorder running overnight or longer because it will automatically

start a new file whenever it reaches 500 MB. Bandwidth apart, this is the best spectrum recording facility that's available and is particularly useful in the context of MW DXing.

Receiver quality is excellent – good dynamic range, almost no spurious signals and few intermodulation problems. Subjectively, it doesn't have the quiet background of the SDR-1000 and yet the ability to read weak signals seems better. There are two separate AGC loops – one in hardware, and one in the back-end software. The hardware AGC has some tendency to produce clicks, and also strong signals within the roofing filter passband can cause pumping, but you can disable the hardware AGC and adjust the IF level manually. Overall, the G313 has a combination of performance and usability that makes it a serious contender for MW DXing. For another take on the G313 as a DX receiver see John Bryant's article at <http://www.hard-core-dx.com/swb/1601.pdf> (scroll down to the last page). Prices for the G313 start at around £700.

Winradio G33EM: Based on the same hardware design as the G303, this receiver is designed specifically for maritime use and includes some special features such as optional integration with GPS for positional mapping. At first sight, it may appear irrelevant to the MW DXer, but actually this could be just right for anyone interested in MF utilities. It has excellent built-in decoders for Navtex, Fax, DSC and Telex and is perfectly useable as a general purpose receiver too. The interface is quite different from the G303/313 design, but everything you need is there. Definitely worth looking at if maritime utilities are your thing.

Future Models: Forthcoming computer-based SDRs include the FDM78 from Elad and the SDR-X from Flexradio, which promises to be a high-end professional receiver at a money-no-object price. There is also a collaborative project called the HPSDR (High Performance SDR) which is being developed by a group of enthusiasts in the US to create a cutting-edge modular design at a more affordable, but probably not cheap, price.

Winradio's G315 high-performance 9 kHz to 1.8 GHz receiver should be out shortly. And RFspace has just announced its new SDR-IQ model that should be available from January. Preliminary specifications suggest similarities with the SDR-14 but with more emphasis on its use as a receiver. If they sort out the current software limitations, this could be a very interesting product – especially as the price is expected to start at \$449.

Among receivers that use many of the SDR's techniques, but within a more conventional hardware unit, Icom's new IC-R9500 and AOR's AR-Alpha are soon to be released. JRC too has a new model, the NRD-630, due next year and new DSP receivers are also in development at Ten-Tec in America and Kneisner & Doering in Germany.

Early indications are that the AOR, Icom and JRC receivers will cost in the region of £6000-8000 with the Flexradio SDR-X apparently aiming for a similar level. For most of us then, these receivers are not a realistic option and their imminent arrival is no reason to put off buying one of the currently available SDRs. So, the question is, "Which one is the best for MW DXing?"

The two that stand out for weak signal DXing are the FlexRadio SDR-1000 and WinRADIO G313. I've been using both from when they first came out and would hate to give up either even though, or perhaps because, they are so very different. The SDR-1000 has the more informative spectrum display and a lovely quiet background that is easy to listen to for long periods. However, its recording features are poor and the ergonomics rather basic. The G313 has excellent recording facilities, better audio filtering and better ergonomics, but its bandscope is narrower and less informative, and some areas such as memory management could do with a re-design.

When you start to look at core performance – at the ability to extract DX from the mess of RF that is medium wave – there are pros and cons either way. The fact is that both receivers are excellent, but neither is invariably best. I've spent hours listening with the two receivers fed from the same antenna and switching the audio back and forth between them. Sometimes one would be better, sometimes the other. On balance, though, the G313 has tended to win this contest more frequently and with less fiddling.

I suspect that, with care, the SDR-1000 could be pushed to greater heights of achievement than I've so far managed to get out of it, and I think it may respond particularly well to a quiet location and really good antennas. Its big dynamic range and excellent sensitivity should be most effective in those situations. In my less than perfect location, the Winradio G313 has the edge in terms of intelligibility and I'm sure that its tight front-end filtering is more helpful in a busy, noisy band like MW.

If I was allowed to have only one, I would choose the G313. Not for any single overwhelming reason – though the ability to make usable overnight IF recordings is a significant factor – but because the overall combination of features, performance and usability is well integrated and simply works for me. Also, don't forget the RFspace SDR-14. It may not be the best choice as a main receiver, but its ability to capture a big chunk of spectrum and its usefulness for mapping channel activity over time make it a powerful tool to have around. Utility listeners could make good use of it, but they should also consider the WinRADIO G33EM. Within its field it's a delight.

If DRM is what you want to specialise in, then the Elad FDM77, Winradio G303 and Winradio G313 would all be good choices. The Elad has the edge because it's cheaper and its DRM performance is good, but it wouldn't be as appropriate for conventional DXing.

With so much on offer, we're really spoiled for choice now. What a contrast to a few years ago, when it looked as if the communications receiver was dead. At that time, classic models were being discontinued and no new ones were replacing them. What brought about this dramatic change was the advent of affordable DSP, which has made both SDRs and hardware-based DSP receivers possible. If you've never experienced the benefits of this approach, I urge you to try it. But be careful because, once you have, you won't want to go back.

SPORTS ON RADIO

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710-WPMI-Mobile AL	95.1-WFXP-Prattville AL
730-WUMP-Madison AL	95.3-WFFN-Coaling AL
860-WAMI-Opp AL	95.5-WHMA-Hobson City AL
920-WGOL-Russellville AL	95.5-WFMH-Hackleburg AL
980-WKLF-Clanton AL	97.7-WEZZ-Jemison AL
990-WLDX-Fayette AL	97.7-WKLD-Oneonta AL
1110-WBIB-Centreville AL	97.7-WKXM-Winfield AL
1230-WJBB-Haleyville AL	97.9-WRVX-Eufaula AL
1230-WRJB-Jackson AL	98.3-WKEA-Scottsboro AL
1300-WKXM-Winfield AL	98.5-WINL-Linden AL
1320-WAGF-Dothan AL	99.3-WMFC-Monroeville AL
1340-WFMH-Cullman AL	99.5-WZRR-Birmingham AL
1350-WGAD-Gadsden AL	100.1-WDXX-Selma AL
1360-WIXI-Jasper AL	100.9-WCJM-West Point GA
1360-WMFC-Monroeville AL	101.3-WAGF-Dothan AL
1400-WFPA-Fort Payne AL	102.3-WAMI-Opp AL
1420-WACT-Tuscaloosa AL	103.3-WZKR-Decatur MS
1430-WFHK-Pell City AL	105.9-WRTR-Brookwood AL
1450-WZGX-Bessemer AL	105.9-WRHY-Centre AL
1490-WHBB-Selma AL	106.1-WBMH-Grove Hill AL
1570-WCRL-Oneonta AL	106.3-WKNU-Brewton AL
	107.7-WFXX-Georgiana AL
92.7-WAFN-Arab AL	107.7-WPRN-Lisman AL
92.7-WJBB-Haleyville AL	
93.9-WYTK-Rogersville AL	

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860-WAMI-Opp AL	93.9-WYTK-Rogersville AL
920-WGOL-Russellville AL	95.5-WFMH-Hackleburg AL
980-WKLF-Clanton AL	95.5-WHMA-Hobson City AL
1270-WIJD-Prichard AL	97.7-WEZZ-Jemison AL
1300-WKXM-Winfield AL	97.7-WKLD-Oneonta AL
1320-WAGF-Dothan AL	97.7-WKXM-Winfield AL
1340-WFMH-Cullman AL	97.9-WRVX-Eufaula AL
1340-WFEB-Sylcauga AL	98.5-WINL-Linden AL
1350-WGAD-Gadsden AL	99.3-WMFC-Monroeville AL
1360-WIXI-Jasper AL	100.9-WCJM-West Point GA
1360-WFMC-Monroeville AL	101.3-WAGF-Dothan AL
1400-WFPA-Fort Payne AL	102.3-WAMI-Opp AL
1420-WACT-Tuscaloosa AL	105.9-WRHY-Centre AL
1440-WLWI-Montgomery AL	106.3-WKNU-Brewton AL
1450-WDNG-Anniston AL	107.7-WFXX-Georgiana AL
1450-WZGX-Bessemer AL	107.7-WPRN-Lisman AL
1490-WHBB-Selma AL	
1570-WCRL-Oneonta AL	

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860-KMVP-Phoenix AZ (Flagship)	
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1340-KIKO-Miami AZ	

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(per www.hogwired.com/pdf1/49529.pdf?ATCLID=210043&SPID=24318&DB_OEM_ID=6100&SPSID=33239)

610-KARV-Russellville AR	99.5-KMTB-Murfreesboro AR
800-KAGH-Crossett AR	100.5-KZHE-Stamps AR
860-KWRF-Warren AR	101.3-KARV-Russellville AR
900-KHOZ-Harrison AR	101.7-KVOM-Morrilton AR
920-KARN-Little Rock AR	101.7-KCTT-Yellville AR
980-KCAB-Dardanelle AR	102.1-KENA-Mena AR
1230-KFPW-Fort Smith AR	102.3-KCJC-Dardanelle AR
1240-KWAK-Stuttgart AR	102.9-KHOZ-Harrison AR
1360-KFFA-Helena AR	102.9-KARN-Sheridan AR
1400-KWYN-Wynne AR	103.1-KFFA-Helena AR
1420-KBHS-Hot Springs AR	103.1-KHGG-Waldron AR
1540-KKYN-Ozark AR	103.3-KWOZ-Mountain View AR
1580-KDHG-Van Buren AR	103.7-KABZ-Little Rock AR
	103.9-KPGG-Ashdown AR
92.1-KDQN-De Queen AR	104.1-KPOC-Pocahontas AR
92.1-KKEG-Fayetteville AR	104.5-KTRN-White Hall AR
92.3-KSAR-Thayer MO	104.7-KQBK-Booneville AR
92.5-KWYN-Wynne AR	104.9-KAGH-Crossett AR
92.9-WDTL-Cleveland MS	104.9-KHPA-Hope AR
93.3-KAGL-El Dorado AR	105.5-KWAK-Stuttgart AR
93.5-KBFC-Forrest City AR	105.5-KWRF-Warren AR
93.7-KHBM-Monticello AR	105.9-KLAZ-Hot Springs AR
96.3-KTTG-Mena AR	106.9-KXIO-Clarksville AR
96.7-KOKR-Newport AR	107.1-KDRS-Paragould AR
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990-WEIS-Centre AL	94.5-WHOD-Jackson AL
1230-WRJB-Jackson AL	95.9-WTWX-Guntersville AL
1230-WTBC-Tuscaloosa AL	96.7-WMXA-Opelika AL
1250-WZOB-Fort Payne AL	97.5-WZLM-Goodwater AL
1250-WHNY-McComb MS	97.7-WKLD-Oneonta AL
1290-WBTG-Sheffield AL	98.3-WALW-LP-Moulton AL
1310-WHEP-Foley AL	98.7-WESZ-LP-Abbeville AL
1330-WZCT-Scottsboro AL	100.1-WDXX-Selma AL
1350-WGAD-Gadsden AL	100.5-WLDA-Fort Rucker AL
1380-WVSA-Vernon AL	101.1-WTID-Repton AL
1430-WLTG-Panama City FL	102.3-WELR-Roanoke AL
1450-WTKI-Huntsville AL	103.7-WAAO-Andalusia AL
1460-WHAL-Phenix City AL	105.1-WPFL-Century FL
1470-WPGG-Evergreen AL	105.5-WNSP-Bay Minette AL
1490-WHBB-Selma AL	106.5-WZNJ-Demopolis AL
1570-WCRL-Oneonta AL	106.5-WJEC-Vernon AL

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1400-WJZM-Clarksville TN (Flagship)	94.5-WFGZ-Lobelville TN
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98.5-WUPS-Houghton Lake MI	104.3-WCZY-Mount Pleasant MI
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(per graphics.fansonly.com/photos/schools/csu/sports/m-baskbl/auto_pdf/weekly-release.pdf and csurams.cstv.com/sports/w-baskbl/spec-rel/12190aab.html)

560-KLZ-Denver CO 600-KCOL-Wellington CO

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2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - HAWAII RAINBOW WARRIORS

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1280-WBIG-Aurora IL
1450-WFMB-Springfield IL

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(per www.ukathletics.com/doc_lib/wbb_200607mg_163.pdf)

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840-WHAS-Louisville KY 95.9-WGKY-Wickliffe KY
860-WSON-Henderson KY 98.7-WHOP-Hopkinsville KY
970-WFSR-Harlan KY 102.7-WEKX-Jellico TN
1080-WKJK-Louisville KY 103.5-WASE-Radcliffe KY
1110-WKDZ-Cadiz KY 104.3-WEZJ-Williamsburg KY
1230-WHOP-Hopkinsville KY 104.9-WKHG-Leitchfield KY
1310-WDOC-Prestonburg KY 104.9-WAVJ-Princeton KY
1440-WEZJ-Williamsburg KY 105.1-WTUK-Harlan KY
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2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - LOUISIANA STATE TIGERS

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870-WWL-New Orleans LA 97.7-KPCH-Dubach LA
950-WHSY-Hattiesburg MS 98.1-WDGL-Baton Rouge LA (Flagship)
970-KSYL-Alexandria LA 101.3-KKGB-Sulphur LA
1130-KWKH-Shreveport LA 101.9-KNOE-Monroe LA
1230-KSLO-Opelousas LA 102.7-KWLT-North Crosssett AR
1250-WHNY-Mc Comb MS 102.7-KJNA-Jena LA
1490-KEUN-Eunice LA 107.1-KFNV-Ferriday LA
92.5-KVPI-Ville Platte LA 107.1-KWLV-Many LA
92.9-WBOX-Varnado LA 107.3-WFCG-Tylertown MS
93.5-KJAE-Leesville LA 107.5-KCIL-Houma LA

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - MICHIGAN WOLVERINES

(per www.mgoblue.com/document_display.cfm?document_id=9058)

590-WKZO-Kalamazoo MI 1340-WMBN-Petoskey MI
680-WDBC-Escanaba MI 1400-WBFN-Battle Creek MI
970-WKHM-Jackson MI 1400-WSAM-Saginaw MI
1050-WTKA-Ann Arbor MI 1400-WSJM-St. Joseph MI
1200-WCHB-Taylor MI (Flagship) 1470-WLQR-Toledo OH
1230-WTKG-Grand Rapids MI 1620-WWLV-South Bend IN
1240-WATT-Cadillac MI 92.7-KASR-Conway AR
1240-WIAN-Ishpeming MI 94.9-WKJZ-Hillman MI
1270-WMKT-Charlevoix MI 94.9-WKZC-Scottville MI
1280-WFYC-Alma MI 95.3-WBXX-Battle Creek MI
1290-WNIL-Niles MI 103.3-WQLB-Tawas City MI
1300-WOOD-Grand Rapids MI 104.9-WQBX-Alma MI
1330-WTRX-Flint MI

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630-WMAL-Washington DC 1050-WMSG-Oakland MD
930-WFMD-Frederick MD 1240-WCEM-Cambridge MD
970-WAMD-Aberdeen MD 1300-WJFK-Baltimore MD (Flagship)

1450-WTBO-Cumberland MD 101.1-WQMR-Snow Hill MD
1490-WARK-Hagerstown MD 105.7-WXYV-Catonsville MD (Flagship)

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - MASSACHUSETTS MINUTEMEN

(per umassathletics.cstv.com/)

830-WCRN-Worcester MA 100.9-WRNX-Amherst MA
95.9-WATD-Marshfield MA

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - MIAMI-OHIO RED HAWKS

(per muredhawks.cstv.com/multimedia/msn-audio.html)

1330-WFIN-Findlay OH 96.7-WBVI-Fostoria OH
1360-WSAI-Cincinnati OH 101.3-WFMG-Richmond IN
1450-WMOH-Hamilton OH (Flagship)
1580-WVVO-Youngstown OH

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680-WDBC-Escanaba MI 1450-WMIQ-Iron Mountain MI
750-WWKK-Petoskey MI 1450-WIBM-Jackson MI
760-WJR-Detroit MI 1450-WKLA-Ludington MI
830-WMMI-Shepherd MI (b) 1490-WABJ-Adrian MI
930-WBCK-Battle Creek MI 1570-WWCK-Flint MI
940-WIDG-St. Ignace MI 93.9-WAVC-Milo MI
940-WHIT-South Haven MI 94.9-WMMO-Lansing MI (Flagship)
1220-WBCH-Hastings MI 97.9-WIHC-Newberry MI
1230-WMSH-Sturgis MI 100.1-WBCH-Hastings MI
1240-WCBY-Cheboygan MI (a) 101.1-WUPY-Ontonagon MI
1240-WJIM-Lansing MI (Flagship) 101.7-WMRR-Muskegon Heights MI
1250-WNEM-Bridgeport MI 103.7-WHIT-Hartford MI
1260-WPNW-Zeeland MI 104.3-WCZY-Mount Pleasant MI (c)
1310-WCCW-Traverse City MI 104.7-WKJC-Tawas City MI
1320-WDMJ-Marquette MI 104.9-WQBX-Alma MI
1340-WLEW-Bad Axe MI (a) 106.3-WSCG-Lakeview MI
1340-WBBL-Grand Rapids MI 107.1-WCKC-Cadillac MI
1340-WMTE-Manistee MI (a) Partial schedule
1360-WKRO-Caro MI (b) Day games only
1380-WSCG-Greenville MI (c) Night games only
1380-WPHM-Port Huron MI
1450-WATZ-Alpena MI

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - MINNESOTA GOLDEN GOPHERS

(per www.gophersports.com/ViewArticle.dbml?DB_OEM_ID=8400&KEY=&ATCLID=560223)

730-KWOA-Worthington MN 1450-KBUN-Bemidji MN
830-WCCO-Minneapolis MN 1480-KAUS-Austin MN
960-KLTF-Little Falls MN (a) 1480-KKCC-Fosston MN
970-WGEE-Superior WI 1570-KAKK-Walker MN
1230-KTRF-Thief River Falls MN (a) 1580-KDOM-Window MN
1260-KROX-Crookston MN 94.3-KDOM-Window MN
1310-KRBI-St. Peter MN 94.5-WELY-Ely MN
1320-KOZY-Grand Rapids MN (a) 96.7-KKCC-Bagley MN
1340-KDLM-Detroit Lakes MN 99.9-KAUS-Austin MN
1340-KROC-Rochester MN 107.1-KMGK-Glenwood MN (a)
1390-KRTO-Owatonna MN (a) Partial schedule
1390-KXSS-Waite Park MN
1450-KATE-Albert Lea MN

2006 COLLEGE BASKETBALL (WOMEN'S) NETWORKS - MINNESOTA GOLDEN GOPHERS

(per www.gophersports.com/ViewArticle.dbml?DB_OEM_ID=8400&KEY=&ATCLID=560223)

730-KWOA-Worthington MN (a) 1390-KXSS-Waite Park MN (a)
830-WCCO-Minneapolis MN 1400-KMHL-Marshall MN (a)
970-WGEE-Superior WI (a) 1450-KATE-Albert Lea MN (a)
1230-KTRF-Thief River Falls MN (a) 1450-KBUN-Bemidji MN (a)
1250-KCUE-Red Wing MN (a) 1480-KAUS-Austin MN (a)
1260-KROX-Crookston MN (a) 1480-KKCC-Fosston MN
1310-KRBI-St. Peter MN (a) 88.5-KBEM-Minneapolis MN
1320-KOZY-Grand Rapids MN (a) 94.5-WELY-Ely MN (a)
1340-KDLM-Detroit Lakes MN (a) 95.5-KRDS-New Prague MN
1340-KROC-Rochester MN (a) 96.7-KKCC-Bagley MN
1390-KRFO-Owatonna MN (a)

99.9-KAUS-Austin MN (a)
107.1-KMGK-Glenwood MN (a)

(a) Partial schedule

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - MISSISSIPPI REBELS
(per admin.xosn.com/attachments1/2672.pdf?DB_OEM_ID=2600)

940-WPCP-Houston MS
1340-WAML-Laurel MS
1420-WQBC-Vicksburg MS
1420-WIGG-Wiggins MS
1450-WCJU-Columbia MS
1450-WROB-West Point MS
1470-WNAU-New Albany MS
1490-WXBD-Biloxi MS
1490-WHOC-Philadelphia MS
1490-WTUP-Tupelo MS
1570-WONA-Winona MS
1580-WPMP-Pascagoula-Moss MS

94.3-WXRZ-Corinth MS
95.3-WAFM-Amory MS
95.3-WRKG-Drew MS
96.1-WIVG-Tunica MS
97.3-WFMN-Flora MS
97.3-WKSO-Natchez MS
97.3-WFMM-Sumrall MS
98.3-WJDR-Prentiss MS
99.1-WYMX-Greenwood MS
99.3-WZLT-Lexington TN
101.3-WJDQ-Meridian MS
102.3-WIQQ-Leland MS
104.5-WQJB-State College MS
105.5-WNLA-Indianola MS
107.1-WLSM-Louisville MS
107.7-WAZA-Liberty MS

89.1-WPAS-Pascagoula MS
92.1-WBKN-Brookhaven MS
92.9-WDXO-Hazlehurst MS
93.7-WQLJ-Oxford MS

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - MISSISSIPPI STATE BULLDOGS
(per www.msstateathletics.com/index.php?s=&url_channel_id=168&url_subchannel_id=&url_article_id=6708&change_well_id=2)

940-WPCP-Houston MS
1010-WMOX-Meridian MS
1060-WKMQ-Tupelo MS
1240-WWZQ-Aberdeen MS
1350-WKCU-Corinth MS
1420-WIGG-Wiggins MS
1580-WAMY-Amory MS
1640-WTNI-Biloxi MS

99.3-WBVV-Booneville MS
100.5-WBLE-Batesville MS
100.7-WDMS-Greenville MS
100.9-WKBB-West Point MS
102.1-WRQO-Monticello MS
102.3-WWSL-Philadelphia MS
104.3-WMJU-Bude MS
104.9-WAKK-Centreville MS
104.9-WCJU-Prentiss MS
105.5-WVWG-Redwood MS
105.9-WOAD-Pickens MS
106.9-WRBE-Lucedale MS
107.5-WMJW-Rosedale MS
107.9-WFCA-Ackerman MS

92.3-WOHT-Grenada MS
93.1-WYAB-Benton MS
95.1-WONA-Winona MS
95.5-WFMH-Hackelburg AL
96.9-WTCD-Indianola MS
98.1-WMXI-Laurel MS

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - MISSOURI TIGERS
(per mutigers.cstv.com/genrel/06-tiger-network.html)

560-KWTO-Springfield MO
590-KFNS-Wood River IL (a)
800-KREI-Farmington MO
980-KMBZ-Kansas City MO
990-KRMO-Cassville MO
1070-KHMO-Hannibal MO
1120-KMOX-St. Louis MO
1200-KYOO-Bolivar MO
1220-KGIR-Cape Girardeau MO
1230-KLWT-Lebanon MO
1230-KWIX-Moberly MO
1240-KLIK-Jefferson City MO
1240-KNEM-Nevada MO
1280-KYRO-Potosi MO
1300-KMMO-Marshall MO
1340-KXEO-Mexico MO
1340-KSMO-Salem MO
1400-KFRU-Columbia MO
1400-KJFF-Festus MO
1400-KSIM-Sikeston MO
1420-KQYS-Neosho MO
1430-KKOZ-Ava MO
1470-KMAL-Malden MO
1490-KTTR-Rolla MO
1490-KDRO-Sedalia MO
1550-KSFT-St. Joseph MO
1560-WMBH-Joplin MO

1580-KNIM-Maryville MO
92.1-KKOZ-Ava MO
92.3-KTTN-Trenton MO
93.7-KTUF-Kirksville MO
93.9-KSPQ-West Plains MO
95.1-KTKS-Versailles MO
95.3-KDKD-Clinton MO
97.7-KNMO-Nevada MO
97.9-KFBD-Waynesville MO
98.7-KWTO-Springfield MO (a)
99.1-KYOO-Half Way MO
99.7-KTTR-St. James MO
100.1-KKWK-Cameron MO
100.5-KMEM-Memphis MO
100.7-KFNS-Troy MO (a)
100.9-KTUI-Sullivan MO
102.3-KBXR-Columbia MO
102.9-KMMO-Marshall MO
104.1-KJMO-Jefferson City MO
105.1-KCRV-Caruthersville MO
105.3-KYMO-East Prairie MO
105.9-KULH-Wheeling MO
107.5-KFEB-Campbell MO

(a) Partial Schedule

2006 COLLEGE BASKETBALL (WOMEN'S) NETWORKS - MISSOURI TIGERS
(per mutigers.cstv.com/genrel/06-tiger-network.html)

1200-KYOO-Bolivar MO
1220-KGIR-Cape Girardeau MO
1230-KLWT-Lebanon MO
1240-KLIK-Jefferson City MO
1280-KYRO-Potosi MO
1340-KXEO-Mexico MO
1340-KSMO-Salem MO
1400-KFRU-Columbia MO
1400-KSIM-Sikeston MO
1430-KKOZ-Ava MO
1470-KMAL-Malden MO
1490-KDRO-Sedalia MO

1560-WMBH-Joplin MO
92.1-KKOZ-Ava MO
95.1-KTKS-Versailles MO
95.3-KDKD-Clinton MO
99.1-KYOO-Half Way MO
100.9-KTUI-Sullivan MO
102.3-KBXR-Columbia MO
104.1-KJMO-Jefferson City MO
105.3-KYMO-East Prairie MO
105.9-KULH-Wheeling MO
107.5-KFEB-Campbell MO

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - MONTANA GRIZZLIES
(per www.montanagrizzlies.com/content/media/radio.htm)

560-KMON-Great Falls MT
790-KGHL-Billings MT
1050-KMTA-Miles City MT
1070-KATQ-Plentywood MT
1180-KOFI-Kalispell MT
1230-KHDN-Hardin MT
1230-KXLO-Lewistown MT
1240-KLTZ-Glasgow MT
1240-KLYQ-Hamilton MT

1290-KGVO-Missoula MT (Flagship)
1340-KCAP-Helena MT
1340-KPRK-Livingston MT
1400-KXGN-Glendive MT
1490-KBSR-Laurel MT
96.9-KQRV-Deer Lodge MT
100.1-KATQ-Plentywood MT

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - MONTANA STATE BOBCATS
(per www.msboobcats.com/images/bobcat_radio_network.pdf)

880-KJJR-Whitefish MT
930-KLCY-East Missoula MT
950-KMTX-Helena MT
970-KBUL-Billings MT
1240-KLTZ-Glasgow MT
1250-KIKC-Forsyth MT
1370-KXTL-Butte MT
1400-KXGF-Great Falls MT

1450-KVCK-Wolf Point MT
93.1-KGCX-Sydney MT
95.7-KCGM-Scobey MT
95.9-KLCM-Lewistown MT
96.5-KDZN-Glendive MT
100.7-KXLB-Livingston MT (Flagship)

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - MOREHEAD STATE EAGLES
(per www.msueagles.com/media/MBBMediaGuide.pdf)

900-WLSI-Pikeville KY
960-WPRT-Prestonburg KY
1150-WMST-Mt. Sterling KY
1240-WPKE-Pikeville KY
1400-WBTH-Williamson WV
1460-WEKB-Elkhorn City KY
1490-WSIP-Paintsville KY

1520-WLGC-Greenup KY
96.3-WIVY-Morehead KY (Flagship)
98.9-WSIP-Paintsville KY
102.3-WUGO-Grayson KY
105.7-WLGC-Greenup KY

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - MURRAY STATE RACERS
(per www.goracers.com/pdf4/50322.pdf?ATCLID=670018&SPID=2583&DB_OEM_ID=6700&SPSID=38770)

1230-WHOP-Hopkinsville KY
1270-WFUL-Fulton KY
1340-WNBS-Murray KY

99.1-WCBL-Benton KY
103.7-WFGE-Murray KY (Flagship)

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - NAVY MIDSHIPMEN
(per navysports.cstv.com/sports/m-baskbl/spec-rel/111506aaa.html)

1050-WFED-Silver Spring MD

1430-WNAV-Annapolis MD (Flagship)

2006 COLLEGE BASKETBALL (MEN'S+ AND WOMEN'S+) NETWORKS - NEBRASKA CORNHUSKERS

(per www.huskers.com/SportSelect.dbml?DB_OEM_ID=100&KEY=&SPID=24&SPSID=316 and admin.xosn.com/pdf2/47103.pdf?SPSID=35791&SPID=25&DB_OEM_ID=100)

610-KCSR-Chadron NE+*
840-KTIC-West Point NE+*
880-KRVN-Lexington NE+*
930-KOGA-Ogallala NE+*
940-KVSH-Valentine NE+*
960-KNEB-Scottsbluff NE+*
1110-KFAB-Omaha NE+*

1230-KTNC-Falls City NE+*
1240-KODY-North Platte NE+*
1260-KIMB-Kimball NE+*
1280-KCNI-Broken Bow NE+*
1340-KHUB-Fremont NE+*
1340-KGFW-Kearney NE+*
1340-KSID-Sidney NE+*

1370-KAWL-York NE*
1380-KUVR-Holdrege NE+*
1400-KBRB-Ainsowrth NE+*
1400-KCOW-Alliance NE+*
1400-KLIN-Lincoln NE+*
1430-KRGI-Grand Island NE+*
1450-KWBE-Beatrice NE+*
1590-KTCH-Wayne NE+

93.9-KSWN-McCook NE+*

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - NEW HAMPSHIRE WILDCATS

(per www.unhwildcats.com/index.cfm?id=CA918E52-BB33-6699-A0380DB1212949CF)

550-WDEV-Waterbury VT
1270-WTSN-Dover NH (Flagship)
1370-WFEA-Manchester NH
1490-WUVR-Lebanon NH

94.7-KNEN-Norfolk NE*
94.5-KLIQ-Hastings NE+
94.7-KNEN-Norfolk NE+
97.3-KRGY-Aurora NE+
98.1-KFGE-Lincoln NE*
101.3-KLZA-Falls City NE*
105.5-KFMT-Fremont NE+*
107.9-KWPN-West Point NE*

96.1-WDEV-Warren VT
96.5-W243AT-Barre VT (WDEV Translator)
99.7-WNTK-New London NH
101.7-WTPL-Hillsboro NH

2006 COLLEGE BASKETBALL (WOMEN'S) NETWORKS - NEW HAMPSHIRE WILDCATS

(per www.unhwildcats.com/index.cfn?id=CA918E52-BB33-6699-A0380DB1212949CF)

Partial schedule only

550-WDEV-Waterbury VT
1270-WTSN-Dover NH (Flagship)
1370-WFEA-Manchester NH
1490-WUVR-Lebanon NH

96.1-WDEV-Warren VT
96.5-W243AT-Barre VT (WDEV Translator)
99.7-WNTK-New London NH
101.7-WTPL-Hillsboro NH

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - NORTH CAROLINA TAR HEELS

(per graphics.fansonly.com/photos/schools/unc/genrel/auto_pdf/THSNlist.pdf)

580-WKSK-West Jefferson NC
590-WCAB-Rutherfordton NC
610-WFNZ-Charlotte NC
630-WMFD-Wilmington NC
730-WOHS-Shelby NC
920-WPTL-Canton NC
960-WRNS-Kinston NC
1010-WSPC-Albemarle NC
1050-WLON-Lincolnton NC
1090-WKTE-King NC
1150-WBAG-Burlington-Graham NC
1160-WODY-Fieldale VA
1240-WSQL-Brevard NC
1240-WJNC-Jacksonville NC
1310-WISE-Asheville NC
1340-WJRI-Lenoir NC
1360-WCHL-Chapel Hill NC
1430-WRXO-Roxboro NC
1440-WLXN-Lexington NC

1450-WGNC-Gastonia NC
1450-WIZS-Henderson NC
1450-WHHP-Hendersonville NC
1490-WSTP-Salisbury NC
1540-WTXY-Whiteville NC
1590-WCSL-Cherryville NC

94.1-WTHZ-Lexington NC
96.5-WFLB-Laurinburg NC
96.7-WKRX-Roxboro NC
97.1-WYND-Hatteras NC
102.3-WEER-Beech Mountain NC
102.7-WCNG-Murphy NC
105.3-WODR-Whiteville NC
105.5-WFJA-Sanford NC
106.1-WRDU-Durham NC
106.5-WSFL-New Bern NC
107.3-WTKF-Atlantic NC

2006 COLLEGE BASKETBALL (WOMEN'S) NETWORKS - NORTH CAROLINA TAR HEELS

(per graphics.fansonly.com/photos/schools/unc/genrel/auto_pdf/THSNlist.pdf)

610-WFNZ-Charlotte NC
1150-WBAG-Burlington-Graham NC
1160-WODY-Fieldale VA
1360-WCHL-Chapel Hill NC

1440-WLXN-Lexington NC
1450-WIZS-Henderson NC
1450-WHHP-Hendersonville NC
1490-WSTP-Salisbury NC

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - NORTH CAROLINA STATE WOLFPACK

(per www.gopack.com/ViewArticle.dbml?DB_OEM_ID=9200&ATCLID=518452)

570-WWNC-Asheville NC
600-WSJS-Winston-Salem NC
640-WFNC-Fayetteville NC
680-WPTF-Raleigh NC (Flagship)
890-WHNC-Henderson NC
900-WAYN-Rockingham NC
900-WIAM-Williamston NC
980-WAAV-Leland NC
1050-WLON-Lincolnton NC (a)
1050-WWGP-Sanford NC
1150-WGBR-Goldsboro NC
1200-WSML-Graham NC
1260-WKXR-Asheboro NC

1290-WJCV-Jacksonville NC (a)
1300-WLNC-Laurinburg NC
1300-WSYD-Mount Airy NC
1340-WCBQ-Oxford NC
1370-WTAB-Tabor City NC
1390-WADA-Shelby NC
1400-WSIC-Statesville NC
1580-WZKY-Albemarle NC
1590-WBHN-Bryson City NC
1590-WCSL-Cherryville NC

95.7-WRXC-Hickory NC
96.7-WKJX-Elizabeth City NC
97.9-WNBB-Bayboro NC

98.3-WDLZ-Murfreesboro NC
98.9-WNBR-Windsor NC
99.3-WQDK-Gatesville NC
99.3-WZAX-Nashville NC
100.9-WIFM-Elkin NC
102.3-WFNC-Lumberton NC

2006 COLLEGE BASKETBALL (WOMEN'S) NETWORKS - NORTH CAROLINA STATE WOLFPACK

(per www.gopack.com/ViewArticle.dbml?DB_OEM_ID=9200&ATCLID=518461)

1150-WGBR-Goldsboro NC (a)
1450-WCIE-Spring Lake NC
1490-WRMT-Rocky Mount NC

102.3-WPTM-Roanoke Rapids NC
104.9-WFMZ-Hertford NC
105.5-WFJA-Sanford NC (a)
(a) Partial schedule

88.1-WKNC-Raleigh NC (Flagship)
106.1-WNMX-Waxhaw NC (a)
(a) Partial Schedule

2006 COLLEGE BASKETBALL (MEN'S) BASKETBALL - NORTHERN ILLINOIS HUSKIES

(per niuhuskies.cstv.com/multimedia/niu-multimedia.com)

670-WSCR-Chicago IL
1060-WRHL-Rochelle IN
1360-WLBK-Dekalb IL

1410-WRMN-Elgin IL
95.3-WSEY-Oregon IL

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - NORTHERN IOWA PANTHERS

(per graphics.fansonly.com/photos/schools/niwa/sports/m-baskbl/auto_pdf/weekly-release.pdf)

1150-KWKY-Des Moines IA
1300-KGLO-Mason City IA
1540-KXEL-Waterloo IA (Flagship)
1570-KQWC-Webster City IA

95.3-KQMG-Independence IA
95.7-KQWC-Webster City IA
104.9-KLMJ-Hampton IA

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - NOTRE DAME FIGHTING IRISH

(per graphics.fansonly.com/photos/schools/nd/sportsm-baskb/auto_pdf/mg0607-201-208p.pdf)

890-WLS-Chicago IL
950-WXLW-Indianapolis IN
1250-WGL-Fort Wayne IN
1450-WYLV-Fort Wayne IN
1480-WRSW-Warsaw IN
1520-WLUV-Loves Park IL
1580-WAMW-Washington IN

95.9-WEFM-Michigan City IN
96.7-WKGL-Loves Park IL
97.7-WZOW-Goshen IN
102.3-WOZW-New Carlisle IN
107.9-WAMW-Washington IN

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - OHIO BOBCATS

(per graphics.fansonly.com/photos/schools/ohio/sports/m-baskbl/auto_pdf/0607_media.pdf)

630-WJAW-St. Marys WV
1340-WCMI-Ashland KY
1390-WMPO-Middleport-Pomeroy OH
1450-WHNC-Parkersburg WV
1490-WMOA-Marietta OH
1510-WLGN-Logan OH

92.1-WYVK-Middleport-Pomeroy OH
98.7-WYRO-McArthur OH
100.9-WJAW-McConnelsville OH
105.5-WXTQ-Athens OH
107.1-WAZU-Circleville OH

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - OHIO STATE BUCKEYES

(per ohiostatebuckeyes.cstv.com/sports/m-baskbl/spec-rel/mbb-radio-network.html)

570-WKBN-Youngstown OH
800-WVHU-Huntington WV
850-WKNR-Cleveland OH
930-WEOL-Elyria OH
960-WKVX-Wooster OH
1150-WIMA-Lima OH
1160-WDJQ-Florence KY
1220-WERT-Van Wert OH
1230-WIRO-Ironton OH
1240-WHIZ-Zanesville OH
1250-WCHO-Washington Court House OH
1260-WNXT-Portsmouth OH
1270-WUCO-Marysville OH
1300-WMVO-Mount Vernon OH
1320-WLOH-Lancaster OH
1330-WFIN-Findlay OH
1360-WWOW-Conneaut OH
1390-WBLL-Bellefontaine OH
1390-WMPO-Middleport-Pomeroy OH

1400-WMAN-Mansfield OH
1410-WING-Dayton OH
1430-WFOB-Fostoria OH
1430-WCLT-Newark OH
1450-WJER-Dover-New Philadelphia OH
1450-WLEC-Sandusky OH
1450-WHNC-Parkersburg WV
1460-WBNS-Columbus OH
1460-WBKC-Painesville OH
1470-WLQR-Toledo OH
1480-WHBC-Canton OH
1490-WBEX-Chillicothe OH
1490-WMOA-Marietta OH
1490-WMRN-Marion OH
1510-WLGN-Logan OH
1520-WQCT-Bryan OH
1540-WBTC-Uhrichsville OH (a)
1570-WPTW-Piqua OH
1590-WSRW-Hillsboro OH

1600-WULM-Springfield OH
 92.1-WOHF-Bellevue OH
 92.7-WQEL-Bucyrus OH
 94.3-WKKI-Celina OH
 95.3-WKLM-Millersburg OH
 95.3-WLKR-Norwalk OH
 95.9-WYNT-Caledonia OH
 97.1-WBNS-Columbus OH (Flagship)
 98.3-WPKO-Bellefontaine OH
 98.3-WLGN-Logan OH

98.7-WYRO-McArthur OH
 99.3-WTNS-Coshocton OH
 99.3-WNXT-Portsmouth OH
 99.7-WKSD-Paulding OH
 100.9-WBNO-Bryan OH
 100.9-WJAW-McConnellsville OH
 101.7-WJER-Dover-New Philadelphia OH
 103.1-WNDH-Napoleon OH
 104.5-WQKT-Wooster OH

(a) Day Games Only

2006 COLLEGE BASKETBALL (MEN'S) NETWORKS - OREGON DUCKS
 (per www.goducks.com/ViewArticle.dbml?DB_OEM_ID=500&ATCLID=68136)

590-KUGN-Eugene OR
 750-KXL-Portland OR
 880-KCMX-Phoenix OR
 910-KURY-Brookings OR
 1110-KBND-Bend OR
 1230-KLAV-Las Vegas NV
 1230-KHSN-Coos Bay OR
 1230-KCUP-Toledo OR

1240-KQEN-Roseburg OR
 1400-KBCH-Lincoln City OR
 1430-KYKN-Keizer OR
 1450-KFLS-Klamath Falls OR
 1580-KGAL-Lebanon OR
 106.9-KCST-Florence OR

VERIFICATION SIGNERS

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My deadline is the last Monday of the month at 1500 ELT.

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164 Densmaa Zorigt, Mail Editor; Voice of Mongolia, CPO Box 365, Ulaanbaatar 13, Mongolia; LQC+; 73; PM
 550 KTRS Craig Unger, Stn Mgr; St Louis MO; LM; 6; IRCA
 550 KOAC Morgan Holm, VP, Nx and Public Affairs; Oregon Public Broadcasting, 7140 SW Macadam Ave, Portland OR 97219-3099; Lbc++; 30; REW
 729 Wei Guang, Chief Editor; Jiangxi News Station, 209 Hongdu Zhong Dadao, Nanchang, China; LQ+; 56; PM
 750 KERR Les Rayburn, NRC/IRCA Broadcast Test Coord; High Noon Film, 100 Centerview Dr, #111, Birmingham AL 35216; Q; 30; PM
 800 WVAL Carla Jurgens, Traffic; Tri-County Broadcasting, Inc, 1010 2nd St N, Sauk Rapids MN 56379; LMB++; 101; IRCA
 930 WSFZ [None]; infosupersport930.com; Jackson MS; E; 301ff; JP
 1070 WINA Alan Williams, CE; Charlottesville VA; L; 10; IRCA
 1080 KSCO Rosemary Chalmers, PD; Santa Cruz CA; LMbc; 10; MF
 1150 WDEL Allan R Loudell; 2727 Shipley Rd, PO Box 7492, Wilmington DE 19803; LQMbc+; 179f; JP
 1270 WKBF Jon Book [KB0EDE/WPE0FBF], CE; 3535 E Kimberly Rd, Davenport IA 52807; L; 4380ff; JP
 1320 WRJW Caroline Randolph, Traffic Mgr; PO Box 907, Picayune MS 39466; L; 14; JP
 1420 WIGG Paul A Turner [WB5TJH], CE; PO Box 723, Wiggins MS 39577; L; 8; JP
 1420 WING Mark Neal, PD; 717 E David Rd, Kettering OH 45429; Q; 11; JP
 1440 WZYX Marylou Garner, GM; PO Box 398, Cowan TN 37318; L; 55; JP
 1600 KLEB Andrea G Gajour, Ops Mgr; PO Drawer 1350, Larose LA 70373; L; 4380ff; JP
 1630 KKGK Jack Davis, PD; 5787 South Hampton, Suite 108, Dallas TX 75232; EK
 1660 KRZI Tom Barfield, Ops Mgr; Waco TX; tom@1660espn.com; E; 257ff; JP
 1700 XEPE* Bill Lipis, CE; reception@bcradio.com; EK [also signer for XEPRS]

WHAT was received: L = Letter with personalized statement; F = Form letter; Q = QSL card, commercially printed; C = Postcard or similar card supplied by station; P = Prepared card or form supplied by DXer; R = DXer's report returned with statement; cf = Certificate; E = Verification by e-mail; fx = Verification by FAX; M = Coverage map; B = Bumper or other sticker; bc = Business card; + = Extra goodies

WHEN the reply came: Number of days elapsed; f = Follow-up, by mail, FAX, e-mail, or visit; n = Return postage not used; r = Return postage returned

NOTES: * [For this column] = Update of signer's e-mail address

This column was prepared on Christmas Day, 2006. Happy holidays to all! It's 40 degrees in northern Vermont and not a flake of snow on the ground. 73, SSH.

2006-2007 IRCA Lucky 7 DX CONTEST

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

E-mail: NancyJohnson@prodigy.net

Standings as of December 15, 2006

1. Willis Monk	1088	9. John Tudenham	210
2. Art Blair	864	10. Richard E. Wood	203
3. Michael Hawkins	847	11. Doug Pifer	139
4. Bill Nittler	342	12. Nancy Johnson*	122
5. Tim Noonan	283	13. Nigel Pimblett	116
6. Greg Hall	273	14. Martin Foltz	81
7. Phil Bytheway	218	15. Dale Park	28
8. Darrell Neft	212	16. John Johnson	10

* Contest manager is not eligible to win.

You can join the contest any time, so if you haven't joined already there is still time. The rules can be found online at the IRCA website, and also in the August 5, 2005 issue of DXM. Send me a note if you have any questions. The contest runs until May 31, 2007.

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.



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 e-mail: lynnhollerman@yahoo.com - (dues, address changes, IRCA mailing list sign-ups)

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Western Europe (group 3)	\$10	\$50	\$55
Australia/NZ/Japan (group 4)	\$10	\$51	\$56
Rest of world (group 5)	\$10	\$48	\$53

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Make checks and Money Orders in US funds payable to IRCA.

All dues and address changes go to: **IRCA, PO Box 60241, Lafayette LA 70596**

Pay electronically with **PayPal**—add \$1 to all prices above. Go to www.paypal.com, then send your dues to ircamember@ircaonline.org --contact Lynn Hollerman for more information.

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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 lynnhollerman@yahoo.com.

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