Inside . . .

2 .. AM Switch
3 .. DDXD
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9 .. Professional Sports Networks
11 .. Broadcast Test Report
13 .. WAPI/WJOX tests
15 .. WDCF

Announcing... The NRC AM Antenna Pattern Book

The all-new Pattern Book now includes daytime and "Graveyard" frequency patterns for the first time. Daytime patterns are depicted by a dashed line as opposed to the nighttime pattern which is defined by a solid line. Each pattern is a reproduction of pattern plots generated by a computer program written by NRC member Neil Adams. Sizes are proportional but do not reflect the actual coverage areas.

For those stations which operate with 50 kW (and higher in Mexico) non-directional (designated Ul in the AM Log), the day 'pattern' is shown to approximately the predicted 0.5 m V 1M coverage limits, while the night pattern is illustrated approximately 1.5 times larger. Stations in Alaska and Hawaii are listed on separate pages at the end of the book.

The basic list of U.S. and Canadian stations comes from the 26th Edition of the National Radio Club’s AM Radio Log. Mexican stations in the states bordering the United States, plus those stations elsewhere which are easily heard in the U.S. and Canada are also included. The source of the Mexican stations was compiled by NRC member John Callarman. All data is up-to-date as of November 1, 2005.

Prices: $16.95 to USA/Canada members, $22.95 USA non-member, $25.95, Canada non-members/all overseas orders. Order from NRC Publications - P. O. Box 164 - Mannsville, NY 13661. NY residents, please add sales tax.
CALL LETTER CHANGES

<table>
<thead>
<tr>
<th>Old Call</th>
<th>New Call</th>
</tr>
</thead>
<tbody>
<tr>
<td>800 KDFO CA</td>
<td>Bakersfield KBFP</td>
</tr>
<tr>
<td>970 KGET CA</td>
<td>Bakersfield KHTY</td>
</tr>
<tr>
<td>1010 WBZZ FL</td>
<td>Seffner WQYK</td>
</tr>
</tbody>
</table>

CPs ON THE AIR

810 WEUS FL | Orlovista - Program Test Authority (PTA) granted for U4 10000/400.
940 KMER WY | Kemmerer - CP to move here from 950 is on the air. Facilities are U1 240/150. KMER has been reported as being heard in the Mountain West, and I confirmed the change with a phone call on 2 January.
1060 WIXC FL | Titusville - License to operate granted to increase daytime power and add CH operation as U7 50000/5000 CH 17000.
1680 WTTM NJ | Lindenwald - License to operate granted to change their City-of-License (CoL) from Princeton.

LICENSE TO OPERATE GRANTED

1490 WJJM TN | Lewisburg - License granted for U1 1000/1000 at N35-26-58 W86-46-55.

APPLICATIONS FROM EXISTING FACILITIES

AMENDMENTS TO CONSTRUCTION PERMITS SUBMITTED

1370 WGIV NC | Gastonia - Licensed for U1 12000/30, WGIV has a CP for U1 20000/30. This amendment requests U1 3000/45 from a new transmitter site along with a change in CoL to Pineville, North Carolina.

AMENDMENTS TO APPLICATIONS SUBMITTED

830 KMUL TX | Farwell - KMUL applied for U8 50000/10 CH 16000, but was dismissed due to discrepancies in the CH pattern. This amendment requests reinstatement with the necessary changes.
1440 NEW VA | Hamilton - Initial Auction 84 application was for U4 500/1200. This amendment requests U4 1000/500.

AUCTION 84 APPLICATIONS DISMISSED

560 KBLU AZ | Yuma - Applied to change their CoL to Nellis AFB, Nevada with U4 5000/1000.
1420 WRCG GA | Columbus - Applied to change their their CoL to Bibb City, Georgia with U4 5000/5000.
1550 KYCY CA | San Francisco - Applied to change their CoL to Campbell, California with U4 16000/12000.

LICENSE RENEWALS GRANTED

1340 WSSC SC | Sumter

HEAR AND THAR

☐ A ‘meager’ report this week as the FCC was off several days over the Holidays. Last issue we reported a fine being levied against KULE-730 in “Euphrata”, Washington. But it’s really spelled “Ephrata”. Except the FCC lists it as Euphrata. Even the application from the owner has it spelled that way! So much for “hometown” ownership and interest.
☐ Reported as being Silent: KARR-1460 Kirkland, Washington (due to a fire), and WPJX-1500 Zion, Illinois.
☐ Thanks to Perry Crabill, Wayne Heinen and Jerry Starr.
Domestic DX Digest

West: Bill Dvorak westlogs@aol.com
501 Algoma St. - Madison, WI 53704-4812

East: Ginnie Lupi DDXD-E@nycap.rr.com
PO Box 4404 - Clifton Park, New York 12065-0853

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

DDXD-West

FROM THE VAST WESTLAND

• Reports of the year’s first loggings are now reaching your faithful Editor’s desk, including a new state for Rick Turner and a few new stations for the rest of us. Read on! 73 Bill

Reporters

EW-NE Ernie Wesolowski, Omaha. Station news.
JW-CO John Wilkins, Wheat Ridge. Drake R-8, 4-foot box loop.
RA-CA1 René Auvray, DXing in Gardena. 2006 Chrysler Sebring car radio.
RT-MN Rick Turner, Bemidji. YB400PE, Select-A-Tenna 541.
Ed.-WI Your editor, Madison. Drake R8B, Quantum QX Pro loop.

Station News

550 KFYR ND Bismarck. 1/3 2100. Noted with Fox news instead of ABC. Apparently runs a classic rock show hosted by Tim Cook between 1830 and 2100 CST. (RT-MN) (A check of the KFYR website reveals that there should be two other updates to the 26th Log. The station carries “Coast to Coast AM” [B] and “America in the Morning” [Mt]. Ed-WI)

1020 KOIL NE Plattsmouth. 1/3 1755. Radio Disney programming, simulcasting with KYDZ-1180. Dual-station legal ID at 1758. Checked 1180 and, indeed, KYDZ did not go silent, as it was supposed to have done (see DDXD-W #73-11 Ed-WI). KOIL was still C&W on the 2nd, so format change must have taken place later on the 2nd, or on the 3rd. Hope 1180 does eventually go silent – it would be very nice to hear WHAM again. (JW-CO) (Ernie Wesolowski throws light on the 1020/1180 Omaha situation below Ed.-WI)

1180 KYDZ NE Bellevue. Did not go silent on 1/1, contrary to previous plans. The station remains Radio Disney, and is now // KOIL 1180 (the two stations are jointly IDing). Plans are now for KYDZ to go silent on 2/28. (EW-NE)

Regular DX Loggings (times in ELT)

540 KNMX NM Las Vegas. 1/2 1900. “You’re listening to AM 5-40, KNMX Las Vegas, New Mexico. It’s time for CNN news.” Good signal with SS music preceding the ID. CBK nulled. A new state! (RT-MN)

580 WIBW KS Topeka. 1/1 1858. Fair, ending Topeka Lady Blues basketball; ads, ID, then into post-game. Relog. (MS-MB) (“Lady Blues”, who are undefeated, are Washburn University’s ladies’ basketball team -pls.)


630 KHOW CO Denver. 12/29 0154. “Coast to Coast” followed by call ID. Very weak, with splatter from KFI 640. Ever since KFI’s transmitter accident on 12/19/04 and the accompanying power reduction, KHOW has been making it here. (RA-CA1)
690 WJOX AL Birmingham. 12/29 0753. Poor, mostly alone. “Jox 690” non-ids, traffic. (JJR-WI)  
840 KXNT NV North Las Vegas. 12/19 1029. Morning Show with Alan Stock and Heidi Harris; Cory Olson anchoring the news. Normally KXME 830 has an HD signal that blocks 840 at this hour. HD signal turned off. (RA-CA2)  
930 WBCK MI Battle Creek. 12/29 0703. Poor, with calls. No usual WAUR. (JJR-WI)  
930 KSDN SD Aberdeen. 1/1 1835. Fair, with ads, ID. Relog. (MS-MB)  
1020 WPEO IL Peoria. 12/29 0744. Poor, with legal ID into religious program. KDKA nulled. (JJR-WI)  
1360 WWOW OH Conneaut. 1/4 2016. Fair at best, fading in and out, with Conneaut Spartans vs. Jefferson Falcons girls’ HS basketball (Jefferson leading 47-32 after three quarters). Station’s night authorization is 35 watts. NEW! (Ed.-WI)  
1450 WLYV IN Fort Wayne. 1/3 1759. Chanting music just ending; legal ID into EWTN’s “Catholic Answers Live.” Fair to poor and all alone. NEW — first one for 2006! (Ed.-WI)  
1460 KDMA MN Montevideo. 1/3 1918. Fair in the mix with C&W tunes, call letter ID. (JW-CO)  
1510 KSPA CA Ontario. 12/28 1500. Legal ID: “AM 1510 KSPA Ontario, serving the Inland Empire and Orange County.” Astor Management Group mentioned, into a Duran Duran song. Weak. (RA-CA2)  
1510 KLLB UT West Jordan. 12/9 1034. Call ID, “America’s Best Gospel” slogan, R&B gospel song, Weak. First time logged in California. (RA-CA2)  
1560 WAGL SC Lancaster. 12/24 0730. Poor in WGLB and WQEW null with weather, legal ID, religious show. (JJR-WI)  
1660 KXTR KS Kansas City. 1/4 0852. Classical music; KMBZ news relay at 0900; KXTR IDs a few minutes later. Good signal, mixing with KXOL, KTIQ, and KQWB. New here, KS #53. Don’t know how this 10,000-watt signal eluded me for so long. (JW-CO)  
810 WPLX517 CA Los Angeles. 12/1/1347. UCLA broadcast station giving emergency, health, welfare and traffic information. Weak. First time logged. (RA-CA2)  

**DDXD-East**  

**REPORTERS**  
JLB-NY Jerry Bond, Rochester – Sanyo STR-100 Portable.  
MKB-ON Mike Brooker, Toronto – Grundig YB-400PE; Panasonic RF-2200.  
DG-CT Dave Gardiner, on I-95 in Stonington CT - 1999 Dodge Neon radio.  
IEN-IA Ira Elbert New, III, Watkinsville - Drake R8B and 135’ N/S Wire.  
IEN*GA Ira Elbert New, III, Watkinsville - 2002 Nissan Sentra GXE Pioneer DEH-P470MP.  

**STATION LOGGINGS**  
570 WNAX SD Yankton - 12/23 0735 - Solid signal and alone on top of the channel. Ad for North Town Automotive at 31st & Broadway in Yankton, many WNAX IDs given. (RCP-IN)  
620 WVMT VT Burlington – 12/7 0047 – “WVMT” ID into political talk. Fair under WSNR. (LW-NY)  
740 WQTM FL Orlando - 12/9 1700 - TOH ID, sports news and scores. Decent signal rising out of the mix. “This is WQTM, Orlando”. (IEN*GA)  
790 WQXI GA Atlanta – 12/30 1702 – wiping out CIGM with “790 The Zone” slogan, “790 the Zone is WQXI Atlanta” legal ID, college football bowl game scores, “The Zone prime time traffic” report, promo for the Peach Bowl. (MKB-ON)  
840 WVPO PA Stroudsburg - 12/26 1407 - Fading in and out during good daytime conditions with a spot for a business in historic downtown Stroudsburg, weather
5

for Monroe County and then “the greatest hits of all time on 840 and 960.” (JLB-NY)

850 KOA CO Denver – 12/7 0030 – “Newsradio 850 KOA” ID. Mention of contest to win Broncos v. Ravens game tickets. John Calera talk show about Iraq war. Fair to good. (LW-NY)

+ 12/27 0200 - On top with “Newsradio 850-KOA” ID and mention of having Denver’s only 24 hour news team. (JLB-NY)

870 WPWT TN Colonial Heights - 12/16 0800 - Station ID heard at the top of the hour “you’re listening to WPWT”, then into SRN news, followed by a promotion for a trip to the Holy Land: “call 1-800-77Israel”, briefly in under WWL. (RCP-IN)

900 WCPA PA Clearfield - 12/26 1500 - In nicely with oldies, “900-CPA Clearfield” ID and then ABC News. (JLB-NY)

910 WABI ME Bangor - 12/26 1644 - Weak under local HAR (and also somebody carrying Sean Hannity), with ID, local spots and then Dr. Laura Show. (JLB-NY)

WLAT CT New Britain – 1/2 0904 – over usual pest WAVL with EE listing of DJs and program hosts from Colombia, Venezuela, Dominican Republic, etc.: “this is the 2006 all-star lineup from the new generation La Mega”, into “910 La Mega” jingle and SS hot hits. (MKB-ON)

920 CKNX ON Wingham – 11/29 2315 – “AM 920 CKNX” ID. Then song “I Never Promised You a Rose Garden.” Good, under WHJJ. (LW-NY)

WIRD NY Lake Placid – 12/19 1755 – Adirondack Arts Calendar and “ESPN Sports Radio AM 920 WIRD” ID. Fair to good, over and under WHJJ. (LW-NY)

940 WNREG VA Grundy – 12/29 1614 – creaming CINW with ID as “we’re your home for solid gospel, WNREG Grundy, Virginia” amid country-gospel songs. (MKB-ON)

950 CKNB NB Campbellton – 12/28 1648 – fighting WWJ/WIBX mix with “95 CKNB” ID, ads for Sobey’s supermarket and Atlantic Lottery Lotto 6-49. (MKB-ON)

990 WNML TN Knoxville – 12/26 1950 - Ad string with many local ads and several “1290 WHKY” station IDs. Very good signal, first time heard. (RCP-IN)

1010 WNTK NY Plattsburgh - 12/26 1436 - Good signal with Champlain Valley weather on “ESPN-1070, the Champlain Valley’s sports leader.” (JLB-NY)


1090 KAAY AR Little Rock - 12/27 1920 - Station ID then country music. Have they changed their format from religion? (RCP-IN)

1160 WMLB GA East Point - 12/16 0737 - UNID song followed by “this is the morning show on 1160 WMLB”, followed by local traffic report and weather for the Atlanta area. Fair signal in partial WWLY null, first time heard. (RCP-IN)


1230 WIXT NY Little Falls - 12/21 1705 - Good signal with weather, local ads and slogan “your sports stars station” during unusually good conditions to Mohawk Valley area of NY. (JLB-NY)


1270 WTSN NH Dover - 12/26 1507 - Good signal in null of local WHTK-1280 (who thankfully had their IBOC off) with local ads, ID and then Bill O’Reilly Show. (JLB-NY)

1290 WHKY NC Hickory - 12/15 1950 - Ad string with many local ads and several “1290 WHKY” station IDs. Very good signal, first time heard. (RCP-IN)

1330 WKTA IL Evanston - 12/22 0906 - In briefly with ID as “WKTA Evanston-Northbrook-Chicago” and then a foreign language program. (JLB-NY)

WHBL WI Sheboygan – 12/30 1603 – over usual pest WFUN with Walgreens ad, “good afternoon, in the WHBL news room it’s 3:03” into local news. (MKB-ON)

1340 WENT NY Gloversville - 12/21 - 1700 - On top with a Beatles tune, then a legal ID as
1400  WDTK  MI  Detroit – 12/30 0807 – over WWWS groundwave with local weather, Wayne State basketball promo: “your exclusive home for Wayne State athletics, news talk 1400 WDTK”.  (MKB-ON)

1410  WENU  NY  S. Glens Falls - 12/21 1810 - All alone with ID between two Beatles songs.  (JLB-NY)

1420  WKWN  GA  Trenton - 12/15 1925 - Basketball game in progress with scores being given, several “1420 WKWN” station IDs heard. Lots of noise but steady signal, first time heard.  (RCP-IN)

1440  WAJR  WV  Morgantown - 12/30 1606 - Local weather forecast into The Sean Hannity Show. Good signal that faded to just above the slop. “1440, WAJR”.  (IEN-GA)

1450  WOL  DC  Washington – 12/12 1714 – Traffic report and “WOL newstalk network” ID. Fair in QRM.  (LW-NY)

1470  WMMW  CT  Meriden – 11/28 1859 – News/talk program and “WMMW AM 1470” IDs.  (LW-NY)

1490  WNBT  PA  Wellsboro - 12/21 1730 - On top with ID followed by local news.  (JLB-NY)

1540  WNWR  PA  Philadelphia - 12/22 1000 - Heard on car radio with full ID under WADK. My colleagues there (at WNWR) were surprised when I told them of this when I came back to PA.  (DG-CT)

1570  WVTL  NY  Amsterdam - 12/21 1634 - Strong with several ID’s, “the Valley’s talk leader” slogan and then a talk show.  (JLB-NY)

1600  WWRL  NY  New York – 12/16 0550 - Station ID “1600 WWRL”. Ad for law office of Brian? followed by station plug “the talk radio countdown show right here on 1600 WWRL.” Poor to fair signal, rarely heard here.  (RCP-IN)

1660  WXTR  KS  Kansas City - 12/17 1439 – “You’re listening to classical WXTR in Kansas City”, followed by woman talking about Metropolitan Opera, very good signal and alone.  (RCP-IN)

1700  KVNS  TX  Brownsville - 12/20 1623 – “The Zone” slogan, also mention of ESPN radio. Then into Nebraska College sports discussing their football program. Faded up briefly over local pest WHLY. First time heard.  (RCP-IN)

1690  WWAA  GA  Adel - 12/20 0856 - Several “Air Atlanta” and “Air America” slogans heard, with local Atlanta traffic and weather report given. Then into a promo for Jerry Springer. Very good signal for over a half hour.  (RCP-IN)

1700  KVNS  TX  Brownsville - 12/16 0530 - Two “KVNS” IDs heard under a dominant KBGG, also mixing with KKL. First time heard. I have now heard all stations on 1700!  (RCP-IN)

1620  KOZNp  NE  Bellevue - 12/20 1623 – “The Zone” slogan, also mention of ESPN radio. Then into Nebraska College sports discussing their football program. Faded up briefly over local pest WHLY. First time heard.  (RCP-IN)

How to place mail orders:
Write to NRC Publications - P. O. Box 164 - Mannsville, NY 13661-0164. Enclose check or money order; NY residents, please add state and local taxes. Please allow 3-6 weeks for shipping.
What are the best times to DX? Try local sunset and transmitter site dusk and dawn for peak Latin American signals, and for transpacific DX it’s transmitter site dusk and local sunrise. Follow the line between daylight and darkness for enhanced signals.

### Transatlantic DX

<table>
<thead>
<tr>
<th>Country</th>
<th>Station</th>
<th>Dec 27 2101 -</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ireland</td>
<td>RTÉ Tulmore</td>
<td>Jazz, man and woman in English, train whistles; fair.</td>
<td>DEC 25 0501 - Woman with news in English; fair. [Connelly-MA]</td>
</tr>
</tbody>
</table>

### CANARY ISLANDS // SPAIN

<table>
<thead>
<tr>
<th>Country</th>
<th>Station</th>
<th>Dec 28 0500 -</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canary Islands</td>
<td>RNE1 synchros</td>
<td>Folk instrumental, five short pips, one long pip, then news in Spanish by man and woman; good.</td>
<td>[Connelly-MA]</td>
</tr>
</tbody>
</table>

### SPAIN

<table>
<thead>
<tr>
<th>Country</th>
<th>Station</th>
<th>Dec 29 0512 -</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spain</td>
<td>RNE5 Madrid</td>
<td>Talk, “Cadena COPE” mention; to good peak.</td>
<td>[Connelly-MA]</td>
</tr>
</tbody>
</table>

### PORTUGAL

<table>
<thead>
<tr>
<th>Country</th>
<th>Station</th>
<th>Dec 5 2115 -</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portugal</td>
<td>RDP synchros</td>
<td>Presumed with occasional talk fading in on a poor signal.</td>
<td>[Conti-NH]</td>
</tr>
</tbody>
</table>

### FRANCE

<table>
<thead>
<tr>
<th>Country</th>
<th>Station</th>
<th>Dec 28 0511 -</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>France</td>
<td>France Bleu</td>
<td>Discussion about US presidents; loud.</td>
<td>[Connelly-MA]</td>
</tr>
</tbody>
</table>

### SWITZERLAND

<table>
<thead>
<tr>
<th>Country</th>
<th>Station</th>
<th>Dec 27 2101 -</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switzerland</td>
<td>RSR Option Musique, Sottens</td>
<td>French news; fair.</td>
<td>[Connolly-MA]</td>
</tr>
</tbody>
</table>

### DENMARK

<table>
<thead>
<tr>
<th>Country</th>
<th>Station</th>
<th>Dec 27 2057 -</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Denmark</td>
<td>Danmarks Radio</td>
<td>French discussion; to good peak.</td>
<td>[Conti-NH]</td>
</tr>
</tbody>
</table>

### UNITED KINGDOM

<table>
<thead>
<tr>
<th>Country</th>
<th>Station</th>
<th>Dec 27 2056 -</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>TalkSport synchros</td>
<td>Woman in Spanish; now atop UK.</td>
<td>[Connelly-MA]</td>
</tr>
</tbody>
</table>

### CANARY ISLANDS

<table>
<thead>
<tr>
<th>Country</th>
<th>Station</th>
<th>Dec 29 0512 -</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spain</td>
<td>RNE5 synchros</td>
<td>Fast Spanish, slight echo.</td>
<td>[Connolly-MA]</td>
</tr>
</tbody>
</table>

### SPAIN

<table>
<thead>
<tr>
<th>Country</th>
<th>Station</th>
<th>Dec 27 2047 -</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spain</td>
<td>COPE Madrid</td>
<td>“Lola” by the Kinks; fair, over Spain.</td>
<td>[Connolly-MA]</td>
</tr>
<tr>
<td>Country</td>
<td>Station</td>
<td>Frequency</td>
<td>Date</td>
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<tr>
<td>SPAIN</td>
<td>SER</td>
<td>2055</td>
<td>Dec 27</td>
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<tr>
<td>SPAIN</td>
<td>COPE</td>
<td>0517</td>
<td>Dec 28</td>
</tr>
<tr>
<td>NORWAY</td>
<td>NRK</td>
<td>0558</td>
<td>Dec 28</td>
</tr>
<tr>
<td>ALBANIA</td>
<td>FIJL</td>
<td>2048</td>
<td>Dec 27</td>
</tr>
<tr>
<td>SPAIN</td>
<td>RNE5</td>
<td>0522</td>
<td>Dec 28</td>
</tr>
<tr>
<td>GERMANY</td>
<td>Deutschlandfunk, Heusweiler</td>
<td>2045</td>
<td>Dec 28</td>
</tr>
<tr>
<td>FRANCE</td>
<td>TWR</td>
<td>0534</td>
<td>Dec 28</td>
</tr>
<tr>
<td>ITALY</td>
<td>Rai R.Uno</td>
<td>0535</td>
<td>Dec 28</td>
</tr>
<tr>
<td>CUBA</td>
<td>R.Reloj</td>
<td>1235</td>
<td>Jan 1</td>
</tr>
<tr>
<td>CUBA</td>
<td>CMCH</td>
<td>0010</td>
<td>Dec 31</td>
</tr>
<tr>
<td>VENEZUELA</td>
<td>YVQT</td>
<td>0121</td>
<td>Dec 31</td>
</tr>
<tr>
<td>MEXICO</td>
<td>XEPE</td>
<td>0400</td>
<td>Dec 4</td>
</tr>
</tbody>
</table>

Contributors

Mike Brooker, Toronto ON (43°40′N 79°24′W).
Mark Connelly, Billerica MA (42°32′N 71°13′W); Drake R8A, dual-feedline Flag: 5 m x 10.6 m.
Bruce Conti, Nashua NH (42°43′N 71°31′W); R8B, MWDX-5, 15/23/15-m Ewe antennas east and south.
Nancy Johnson, Billings MT (45°46′N 108°37′W); Drake R8B, Kiwa loop.

73 and Good DX!
Here are thirteen of the National Hockey League network lists for the current 2005/6 season. Some came from Dale Park; the rest came from my Internet searches. I could not locate some of the lists, and I have not had a chance to search for others. Note that two have a “DO NOT REPRODUCE” warning on the web page. Please send me the URLs to any that you may find. And I need URLs for National Basketball Association (NBA) network lists. Thanks.

**Atlanta Thrashers 2005/6**
Dan Kamal, Billy Jaffe - [http://www.atlantathrashers.com/MediaZone.aspx?Levels=8|2|0&CID01=1f832618-b2a8-4463-af3a-45001e0f49ad](http://www.atlantathrashers.com/MediaZone.aspx?Levels=8|2|0&CID01=1f832618-b2a8-4463-af3a-45001e0f49ad) (via Dale Park 12/25/2005)

550  WDUN-GA  1240  WWNS-GA  1340  WINZ-GA  1450  WMVG-GA  
680  WCNN-GA  *  1270  WYXC-GA  1350  WFNS-GA  1600  WFIS-SC  
790  WSFN-GA  1290  WCHK-GA  1410  WLAQ-GA  
850  WUCG-GA  1300  WIMO-GA  98.1  WMGP-GA  
960  WRFIC-GA  1340  WALR-GA  1420  WRCG-GA  101.1  WTGA-GA  
1050  WWIC-AL  1450  WGAA-GA  103.9  WDDK-GA  
1230  WFMOM-GA  f

**Boston Bruins 2005/6**

620  WZON-ME  1340  WGAW-MA  106.5  WMEX-NH  107.7  WPTL-NH  
1030  WBZ-MA  *  1420  WBEC-MA  

**Carolina Hurricanes 2005/6**

630  WMFD-NC  1590  WYSR-NC  102.9  WWMY-NC  *

**Colorado Avalanche 2005/6**

690  KRGS-CO  1010  KSIR-CO  1440  KRDZ-CO  96.9  KBCR-CO  
740  KVOR-CO  1210  KHAT-WY  1450  KBFS-SD  100.5  KRJY-CO  
950  KKFN-CO  *  1340  KTMM-CO  1480  KRAE-WY  103.1  KYDT-WY  
960  KNEB-NE  1350  KGHF-CO  106.1  KNFQ-CO  

**Columbus Blue Jackets 2005/6**

930  WEO-LH  1270  WILE-OH  1490  WBEX-OH  
970  WATH-OH  1320  WLOH-OH  1520  WQCT-OH  95.3  WLKR-OH  
980  WONE-OH  1330  WFIN-OH  1570  WANN-OH  100.9  WJAW-OH  
990  WJHE-OH  1340  WIZE-OH  1570  WANN-OH  100.9  WJAW-OH  
1230  WCWA-OH  1400  WMAN-OH  1600  WTTF-OH  102.5  WHIZ-OH  
1240  WBBW-OH  1430  WCLT-OH  1490  WBEX-OH  
1250  WCHO-OH  1460  WBNS-OH  *  

**Detroit Red Wings 2005/6**

**Nashville Predators 2005/6**

560  WNSR-TN  1440  WWTM-AL  1440  WCDS-KY  
730  WUMP-AL  1290  WATO-TN  104.5  WGFX-TN  *e  
1230  WHOP-KY  1340  WBNK-AL  104.5  WGFX-TN  *e  
WAKI-TN  1370  WDEF-TN  

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**Professional Sports Networks**

Barry S. Finkel bsfinkel@ANL.gov

10314 S. Oakley
Chicago, IL 60643-2409

Network listings for team sports stations
Another Krazy Ken Sale!

Four-audio-cassette white plastic box-like storage albums. Perfect for storing back issues of DXAS or taped verification collections: $5.00 each or 5 for $20.00 postpaid from Krazy Ken at NRC Publications - Box 164 - Mannsville, NY 13661. NY residents, please add sales tax.
Proof of Concept - Are Inventory Inserts the future of DX Tests?

By Les Rayburn, N1LF - Broadcast Test Coordinator

The “inventory insert” concept was the brain child of former NRC test coordinator, Fred Vobbe. Faced with more and more resistance to running traditional DX tests as part of scheduled maintenance periods, Fred searched for a way to encourage more stations to run tones, Morse Code, and other unique identifiers that aid DX’ers.

Fred’s original idea was to create sixty second long recordings that would include the stations voice ID, Morse Code identifications, and the NRC sweep tones. No change in the stations power level or antenna pattern would be required. Instead, the engineer would simply insert the “test commercial” into their overnight inventory of available local spots. The test could run several times each night for a number of days.

While these types of tests will lack the advantage of day power and patterns, they possibly gain the advantage of providing a better chance for good propagation and/or low noise. We’ve all seen past tests that were ruined by aurora conditions, thunderstorms, or poor conditions.

Our first operational test of the this new concept came last week, when Chief Engineer Fred Giardina agreed to run the test on both WAPI 1070khz and WJOX 690khz for three nights.

In terms of what we hope for, this test was not ideal. Local inventory was limited to the spots airing only twice per night on each station…and the test period was limited to three nights. It’s worth noting that the test occurred during one of only two periods of each year when Arbitron ratings are not kept for radio stations in the US.

Despite the restrictions, the test was very successful. Complete details of the test are available in this issue, but in summary the test was received in 17 states, and Canada. Best DX was nearly 2000 miles away in California, and in that case, both stations were received during the test period.

Test Format

The test consisted of computer-generated voice ID using text to speech software. A female voice was chosen, with a slight British accent. The Voice ID consisted of the following phrases: “This is WJOX conducting transmitter testing. Whiskey Juliet Oscar X-Ray Testing”.

This was followed by Morse Code ID’s transmitted at ten words per minute, using a 1,000 Hz tone. The station identification was repeated three times.

Following these identifiers, we inserted about twenty seconds of the NRC “Sweep Tones”. These tones are commonly used to test various parts of the audio chain in a transmitter system and have proven to be the most effective audio source when heard at a distance. Outperforming Morse Code, marching band music, and other program material that has been tried in the past. In many cases, these were the only identifiable part of the transmissions. While DX’ers can debate if successful reception of just the sweep tones would qualify for reception of a station, I believe that if the tones can be correlated with exact time of transmission that would provide enough data to verify a successful logging.

What are the odds that any other station on that frequency would be running such a unique tone, at that given moment? I’d suggest so small as ruling out all other stations, and verifying the logging. That is for each station and/or individual DX’er to determine. In any event, the tones are very effective.

This pattern continues for the duration of the sixty second tests, and can be changed for each test to avoid people being able to “guess” what was transmitted. After creating the file, we further enhance the material for distant reception by boosting the 2-3 kHz range using Sony’s Sound Forge 7.0 software. Compression is also applied to the file to insure maximum drive levels to the transmitter without clipping. We then send the file to the station as either an MP3 file or a .WAV file on a compact disc.

History

In recent weeks, it’s come to my attention that the concept is not totally new. In the past, radio stations have added a single Morse Code ID to their normal top of the hour station identification. Sometimes this was by way of a “signature” for the station, and other times it was at the suggestion of
DX’ers.

Even today, some stations transmit unique sound effects, tones, or other signature sounds at the top of the hour, which can aid identification. Fred Vobbe’s concept really just expands on this idea.

Why change at all?

The relationship between distant listeners and broadcasters is changing rapidly, and no where that is more obvious than with tests. By law full power tests or nighttime operation on daytime antenna patterns can only be performed as part of a scheduled maintenance operation.

Station owners are more and more concerned about legal liability if such a test causes interference to other stations, and loss of revenue even at night if the station is not running its normal programming. In addition, many program providers such as Radio Disney have strict contractual agreements that preclude the station from running tests.

Add to that the need for an engineer to be on site or in the studio in the middle of the night, and a general lack of interest in our hobby among broadcasters, and you can see that the landscape is changing.

We’ve taken pro-active steps to help combat some of these issues. We regularly attend Society of Broadcast Engineering meetings in this region, and contribute posts to e-mail lists devoted to the broadcasting industry to help educate stations about our hobby. We’ve started relying more on telephone calls and personal contact with our members and less on random mass mailings to stations to request tests.

We post our cell phone number widely in engineering circles, asking them to contact us at anytime twenty hours a day if they intend to be off the air for maintenance. And our formal requests are now accompanied with a CD of Morse Code ID’s for the station, programming material, etc. to make it easier for stations to say “yes” to our requests.

We’ve also offered to handle reception reports, QSL’s, etc for stations that agree to run tests. All these steps reflect a better understanding of the pressures that stations operate under now, and are designed to minimize our impact on their resources.

The Future of DX Tests?

Does this mean that we can’t look forward to any future full power, daytime pattern tests? Quite the contrary, such tests are always our goal. The hobby remains fortunate to have a number of engineers and other station staff who are themselves active DX’ers, and enjoy putting on such tests when their stations have maintenance to be performed. And members continue to surprise me with their success in reaching out personally to their local stations to do such tests.

But I suspect that the “inventory insert” concept will be a popular choice for many broadcasters, and we can look forward to more of them. One test alone does not prove the concept, but if the WAPI-WJOX test is any indicator, these tests may rival their full power counterparts in terms of success. 

These test results suggest that the greatest benefit will be for listeners within a 700-800 mile radius, where the change in programming may compensate for the low power or directional pattern. Results at greater distances are likely not to be as good as the full power/pattern tests, even if the DX’er concentrates on the test for an extended time.

But the nearly 2,000 mile reception of WAPI and WJOX indicates that long distance receptions will not be impossible, and are still aided greatly by the change in programming.

New techniques will need to be embraced by DX’ers to take full advantage of the test. Overnight, unattended recording using software like Total Recorder will be the best arrow in your quiver. Second to that will be the use of Phasers and loops to null other stations on the frequency, and possibly post recording audio processing to help reduce noise and pull out the desired signal.

The broadcasting industry is changing, and if we wish to be successful, we’ll all have to embrace new technology and techniques to do so.

What can I do to help?

Individual DX’ers can do much to help the hobby in regards to DX Tests. We now encourage members to use their contacts at work, church, and civic organizations to get to know station managers, engineers, etc. If you ask around, you’ll be surprised how quickly you can meet most of the people involved with radio in your area.

Find out if the Society of Broadcast Engineers (SBE) has a local chapter, if so, see if you can attend their meeting and give a short talk about our hobby. By contacting the NRC or IRCA, you can usually obtain plenty of back issues of our printed publications to hand out, and if you play some recordings of your best catches, you can give an entertaining talk for a half hour or so.

To find out if there is a chapter in your area, visit the SBE web site at: http://www.sbe.org/chapter_find.php
Usually these clubs struggle to find speakers for their meetings at least once or twice a year, and will welcome something that will be a change of pace from their usual material.

One little tip that has worked for me, if you’re invited to speak at the meeting, ask to see which local AM stations have engineers that are members. Send me an e-mail in advance, and I’ll supply you with CD’s full of station ID’s, inventory inserts, sweep tones, etc. for you to give them directly. You’re not likely to be turned down flat if you request a test in this fashion!

**Stop playing cop**

Another way that DX’ers can help is by being very careful about all contact you have with the broadcasting industry. The majority of stations are now owned by groups, and any tales of a bad experience with a radio hobbyist quickly spreads throughout the industry.

Some of us seem to delight in reporting stations to the FCC if we suspect them of “cheating” on their daytime power at night. I’ve heard all kinds of justification for these actions, but frankly, none of them benefit the hobby enough to offset the potential damage.

Even the term should be banned from our language…usually a station that is running at daytime power at night is the result of an automation problem, human error, or other technical issues. We should presume that the situation is unintentional and innocent.

If such operation continues for extended time, other stations on the frequency will notice and either contact the offending station directly or file a complaint with the FCC. Such complaints are given much more weight than those of “hobbyists” and by allowing the industry to police itself we avoid any ill feelings towards DX’ers.

Recently, I had a DX’er who frequently takes it upon himself to “play cop” attempt to justify his actions by saying that he never identified himself as a member of the National Radio Club or the International Radio Club of America. Instead, he complained to the station’s owner stating that he was a “radio hobbyist”…for me; this is a distinction without a difference. The damage to the hobby is done.

In the mind of that owner, radio hobbyist now equals pain in the rear end. How much luck do you think we’ll have with that station if we approach them about a test or ask for a QSL?

Radio is a business. The people involved in it are motivated by a desire for profit…listeners outside their local market are not measured for ratings purposes, and as such they are not very interested in your concerns. Fewer chief engineers these days are amateur radio operators or even shortwave listeners, so our hobby can seem strange and foreign to them. A QSL card may be the most important thing in the world to you, but to the station it may just mean “more work, with no benefit”.

Be polite always, and if you don’t achieve the desired result, be that a reception verification or acknowledgement of a transmitter problem, then give up. Get out of your shack, take a walk around the block and cool off. Becoming rude, or worse, reporting that station to the FCC, can only do harm to all of us.

Frankly, I resent even having to write these words, but my brief tenure as BTC as taught me that our numbers contain more of these types of “sea lawyers” than you might suspect.

**Final Thoughts**

Fred Vobbe is to be congratulated for a novel approach to getting more stations to conduct tests that benefit all of us. I’m happy to report that Fred was one of the DX’ers fortunate enough to log a new one during the recent WAPI-WJOX test…it’s only fitting that he directly profited from his own imagination.

Thanks also to the dedicated members who have volunteered to help us set up tests in their area. Most of the tests in the past two seasons are the results of their efforts more than my own.

**WAPI 1070 kHz & WJOX 690 KHz Test Results**

Recently, our hobby had its first chance to test the concept of a sixty second long DX test that could be inserted into the commercial advertising inventory of a station and ran over several nights. This idea was the creation of former National Radio Club test coordinator Fred Vobbe…and by all accounts, it was a darn good one!

Our thanks again to Fred Giardina and the staff of both stations for this holiday treat.

**Test Results**

Test began promptly on December 27th, with the first report coming in from Steve Francis of Alcoa, TN who reported WAPI codes and sweeps.

Rick Shaftan in New Jersey reported the sweep tones on WAPI to be “booming in”, followed by a successful reception of WJOX just eight minutes later. Les Rayburn of Birmingham logged both local stations, mainly to insure that things worked without a hitch.
DX’ers John Hunter in Rossville, GA pulled in the test, along with the first Canadian reception reported by Barry McLarnon of Ottawa, Ontario. Barry reported WAPI “in like gangbusters”.

WAPI put an “excellent signal” into the home of Tom Jasinski in Shorewood, IL, and both stations were logged in Central PA by Brett Saylor on his Drake R8.

Dave Hochfelder in Highland Park, NJ logged WAPI using an unattended radio and his computer to do the recording. Bruce Winkelman logged the test in Tulsa, OK the old fashioned way using his ears and a Drake R8 with a Quantum Phaser to null the locals.

R.C. Watts pulled in “weak CW and sweep tones” from WAPI in Louisville, KY, adding Kentucky to the list of stations hearing the test. Texas wasn’t going to be left out of the fun, with James Niven of Moody, TX logging WAPI despite a strong signal from nearby KFTI.

Peter Jernakoff logged WAPI from his home in Northern Delaware, adding a “new one” to the log. And Russ Johnson reported WJOX “very easy copy” from his home in Lexington, North Carolina.

Eric Breon caught “pieces of code and sweep tones” from WJOX in his Middletown, PA shack, and James Wallace pulled in the sports talk station from his home in West Virginia using only a Radio Shack AM loop.

The furthest catch for the test was that of Curtis McMenamin of Vacaville, California! This is a distance of nearly 2000 miles! His cassette recording revealed successful reception of both WAPI and WJOX, proving once and for all that the “inventory insert” concept has real merit. Great catch, Curtis!

Also logging both stations during the test was Gerry Bishop of Niceville, FL. John Sgrulletta of Mahopac, NY copied WAPI despite lots of competition from WINA and CBA. Other loggings included George Sherman in MN, who logged WAPI, and Phillip Cheillo who pulled in the 1070 test from his shack in Elk Grove, WI.

And as would be fitting, Fred Vobbe of Lima, Ohio benefited from his own idea by logging the test successfully using a Yaesu FT-857D and a low band folded dipole.

By my count, that means that at least one of the two stations was logged in at least 17 states and a Canadian providence! Not bad for one minute worth of audio and night time power!! Of course, there were DX’ers around the world who tried for the test without success...among those were Wade Smith of New Brunswick, who couldn’t pull out WAPI over the dominant signal of CBA. Martin Foltz in Southern California did combat with two powerful stations KNX and XETRA, but lost the war.

While Martin Hall, editor of the UK publication, “The Medium Wave News” couldn’t hear anything over dominant CBA from his shack in Clashmore, Scotland. Pete Taylor used a Sony 2010 and a Kiwa Air Loop but couldn’t find anything in the null of his locals on 1070 kHz. Tacoma, Washington would have been nice DX for this test. Better luck next time, Pete.

Also disappointed were Curt Deegan of South Eastern Florida, Scott Fybush of Rochester, NY, and Shawn Axelrod of Winnipeg.

It was a rare miss indeed for Patrick Martin of Seaside, Oregon who usually can pull in a milliwatt signal on that beverage antenna of his. Also no “joy in Mudville” for Phil Bytheway, Bruce Portzer, or Saul Chernos. Likewise disappointed with our holiday treat was Glen Hauser of Enid, OK, who heard the Marine Corp March (Unid) on 690 kHz, but no codes and sweep tones.

Soapbox

WAPI signal sounded like full day power!-Tom Jasinski, Shorewood, IL

Might have easily heard them [on the first night] if I hadn’t fallen asleep! The last time I can remember looking at the clock it was 0043.-John Hunter, Rossville, GA

In like gangbusters here too. CW ID, sweeps, then one more CW ID.-Barry McLarnon, Ottawa, Ontario, Canada

This was a great idea for a test, probably not very “invasive” from the station’s perspective.-Eric Breon

No sign of the 1070 test in Seattle last night. Just the usual mix of KNX, CFAX, and electrical noise.-Bruce Portzer, Seattle, WA

Alabama is not particularly well heard in the UK - the only MW stations I’ve logged are 1590 WVNA (rare!), 1620 WPHG (not easy, now silent), and 1700 WEUV, which is the most common, being heard on several occasions each season.-Martin Hall, Clashmore, Scotland

To those who doubted 60-second tests, “see, told you so!”-Fred Vobbe, Lima, Ohio

The sweeps and tones really got out. The tests have also made me a believer in overnight recording.-Dave Hochfelder

Pounding in here in NW New Jersey with ESPN Radio, Sweep tones, code, etc. -Rick Shaftan, New Jersey

Conditions were best during the first day, which was characterized by many strong signals, low noise, and much flutter (rapid, shallow fading).-Phillip Chiello, Elk Grove, WI
Christian radio takes a spicy turn
A new, tiny station in Dade City broadcasts 24 hours of song and talk in Spanish for Hispanics who “didn’t have a voice.”

By EBONY WINDOM, St. Petersburg Times Staff Writer
Via Pete Kemp - Published January 7, 2006

DADE CITY - WDCF Radio Jubileo is barely a month old, but already, word about this new Spanish-Christian station has spread like the gospel on Pentecost in Dade City’s close-knit Hispanic community.

It’s said to be the only radio station of its kind in Pasco County. Locals can hear funky merengue, twangy Tex-Mex tunes, contemporary Christian and salsa laced with a positive message. There are high-energy DJs, news segments and live sermons.

“There’s a variety of Hispanics here,” said Nelson Perdomo, the station’s program director. “We want to satisfy each person’s musical tastes.”

In 2004, Hispanics made up 7.7 percent of the population in Pasco County, according to the U.S. Census Bureau. Some speak little or no English. So this round-the-clock Spanish-language station fills a need in the community, Perdomo said through an interpreter.

WDCF Radio Jubileo broadcasts from a tiny station in Dade City. Folks within a 30-mile radius, including Zephyrhills, north Tampa and parts of Hernando County, can tune in.

1350 AM was a news talk radio station until the previous owner decided to sell recently. It happened so fast, longtime listeners are still calling in, wondering why the format changed.

When the Rev. Norman Quintero, a real estate and mortgage broker, got wind of a radio station for sale, he snapped it up, for $1.4-million. He’s a businessman, but he doesn’t consider the radio station an investment.

Quintero calls it a ministry. He leads a nondenominational church in Texas called Casa del Alfarero. He splits his time between Texas and Florida.

For him, Radio Jubileo is just another way to reach out to lost souls.

“I hope that whoever doesn’t know Jesus will meet him,” said Quintero, 40. “It’s about believing and recognizing that God is God. And if we put our problems in his hands, he can take care of all of our needs.”

Recently, a woman phoned the station and said she had been depressed, but the Christian tunes that spilled from her radio gave her hope, Perdomo says.

“That’s exactly Quintero’s mission. “God has been opening doors to make this (radio station) happen,” he said by phone from his home in Heath, Texas.

At Radio Jubileo, things have quickly fallen into place. In the beginning, Quintero revamped the station, adding new computers and broadcast equipment. He hired seven staffers to handle the daily operations.

There’s Perdomo, a seasoned journalist who commutes from Orlando daily to host the morning show, Dia Feliz. And former Mexican soap opera star, Armando Acosta, whose high-energy afternoon show, El Show de la Tarde, is the station’s most popular. Beatriz Perez of Dade City works as the station’s public relations and sales rep. In a pinch, she fills in as a DJ, too.

Perdomo says DJs just try to have “good, clean fun” without coming off as too preachy.

Occasionally, local Christian bands drop in and shimmy around the cramped control booth to the funky conga beat.

During the day, DJs control the microphone. But after 6 p.m. music programming is totally computerized. More than 2,000 songs are in rotation.

Soon, the station will pick up nationally syndicated segments such as Focus on the Family and Your Story Hour, a story time for kids. They’ll be translated to Spanish, of course.

So far there’s no way to track the number of 1350 AM listeners. But the station’s phone is constantly ringing. Staffers say that proves the station is growing in popularity.

“The Hispanics here in the community didn’t have a voice to express themselves,” Perdomo said. “Now, we’re here.”

(WDCF Radio Jubileo is at 1350 AM. To listen online, visit www.radiojubileo.com)