Unfilled positions … We’re still in need of volunteers for the following positions, as described in detail in V73, #27, the June ‘06 DXN: A person proficient with phpBB to maintain the e-DXN site; one or more additional moderators for e-DXN; one or more persons to edit future NRC publications; one or more persons to scan or retype reprints currently in print; one or more persons to scan verie letters to be placed on the NRCDXAS web site; several persons to research and prepare a book in commemoration of the NRC’s 75th anniversary; a “DX Targets” editor; a technical column editor; a nationwide QSL coordinator (preferably a joint NRC/IRCA/WTFDA member); someone to type e-mail reports for members who don’t have computers.

Welcome to these new members, and from the I’m-an-Idiot department: The member who rejoined after 60 years was Thomas E. Morrison, Jr., Quincy, MA informed us that he had been DX’ing for half a year and had logged 263 stations, with veries from 152. From the February 9 DXN: Joe Brauner, Valier, PA reported a strong signal from ZFY-660 at their 0440 s/on on a clear frequency, and Pete Taylor, Coral Gables, FL, logged them at 0445-0500 on 12/28, followed by PJA-10-665 at 0533-0610.

25 years ago … from the February 8, 1982 DXN: Radio West was reported as having closed during the Thanksgiving period, with owner Grant Manning assessing the future of the company.

10 years ago: … from the February 17, 1997 DXN: IDXD editor Jim Renfrew commented: “Jean Burnell appreciated my recent comment that 99.99% of the world doesn’t care about stuff that can be found in IDXD. But he points out that 0.0% of the earth’s population is still 0,000 times the NRC’s membership. Well, I’m not discouraged by this fact; it simply illustrates how much more the NRC can grow!”
Switch

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

**CALL LETTER CHANGES**

<table>
<thead>
<tr>
<th>Old Call</th>
<th>New Call</th>
</tr>
</thead>
<tbody>
<tr>
<td>910 WFVR GA Valdosta</td>
<td>WRFV</td>
</tr>
<tr>
<td>910 KXEB TX Frisco</td>
<td>KATH</td>
</tr>
<tr>
<td>1230 KPSA NM Roswell</td>
<td>KBCQ</td>
</tr>
<tr>
<td>1240 WCNM ME Lewiston</td>
<td>WEZR</td>
</tr>
<tr>
<td>1330 WFGO PA Erie</td>
<td>WFNN</td>
</tr>
<tr>
<td>1590 NEW HI Hilo</td>
<td>KIXC</td>
</tr>
<tr>
<td>1660 KXTR KS Kansas City</td>
<td>WDAF</td>
</tr>
</tbody>
</table>

**CPs ON THE AIR**

<table>
<thead>
<tr>
<th>Station</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1560 KVAN WA Burbank</td>
<td>Program Test Authority for this new station with U4 10000/700 has been granted, and reception reports from the Pacific Northwest indicate they are on the air. They use three towers (using all 3 day and night) at N46-10-11 W119-01-32. Both patterns are circular headed North-Northeast.</td>
</tr>
<tr>
<td>1570 KPYK TX Terrell</td>
<td>CP for a slight daytime power increase as U1 270/6 from a new tower at N32-45-17 W96-14-22 is on the air.</td>
</tr>
</tbody>
</table>

**GRANTS FOR NEW STATIONS**

<table>
<thead>
<tr>
<th>Station</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1590 NEW AL Opp</td>
<td>CP granted for U4 500/190 from 4 towers (using all 4 day and night) at N31-18-00 W86-13-45. Both patterns are directed southwest.</td>
</tr>
</tbody>
</table>

**ACTIONS**

<table>
<thead>
<tr>
<th>Station</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>630 WNEG GA Toccoa</td>
<td>CP granted for U1 5000/44.</td>
</tr>
<tr>
<td>1180 WFYL PA King of Prussia</td>
<td>In Issue 16 we reported WFYL’s status as still being licensed to McConnellsburg, although they were on the air from here. The FCC has just changed the listing to reflect King of Prussia as the one and only location for this station.</td>
</tr>
<tr>
<td>1500 WICY NY Malone</td>
<td>CP granted to move here (ex: 1490) with D4 50000/0 CH 43000 from three new towers (3-all modes) at N44-54-04 W74-11-45. Both patterns are to the northeast.</td>
</tr>
<tr>
<td>1610 CHAA ON Toronto</td>
<td>The CRTC has authorized CHAA to relocate their transmitter site. Specific coordinates were not stipulated in the decision. We assume they will continue, when relocated, to operate U1 1000/1000.</td>
</tr>
</tbody>
</table>

**AMENDMENTS TO CONSTRUCTION PERMITS**

<table>
<thead>
<tr>
<th>Station</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1130 WEAF SC Camden</td>
<td>Licensed for U1 1000/7, WEAF has a CP for U1 5000/7 CH 3200. This amendment requests a change in City-of-License (CoL) to Springdale, South Carolina with U1 1000/9 CH 1000, diplexing into the tower of co-owned WGCV-620.</td>
</tr>
</tbody>
</table>

**APPLICATIONS**

<table>
<thead>
<tr>
<th>Station</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>580 KSAZ AZ Marana</td>
<td>Applies to change the CoL to Queen Creek, Arizona with D3 7000/0. They propose adding a fourth tower to their array while relocating one of their current towers to form an in-line array. A quick look at the (1978) 12th edition of the Vane Jones North American Radio-TV Station Guide shows 580 licensed to Tucson as KIXX. Gee, I miss the VJ book!</td>
</tr>
<tr>
<td>900 WUAM NY Saratoga Springs</td>
<td>Applies to change their CoL to Watervliet, New York with U1 400/75.</td>
</tr>
<tr>
<td>1050 WFED MD Silver Spring</td>
<td>Applies for a daytime power increase to be U1 3500/44.</td>
</tr>
</tbody>
</table>
1200  WAGE  VA  Leesburg - Applies to move to 1190 kHz with D3  50000/0.
1290  WVOW  WV  Logan - Applies to designate CH operation as U2  5000/1000 CH 5000.
1320  KCTC  CA  Sacramento - Applies to change their Col. to West Sacramento and reduce the night power to become U4  5000/500.
1450  KQYX  MO  Joplin - Applies to change the CoL to Galena, Kansas and remain U1 1000/1000.
1550  WRHC  FL  Coral Gables - Applies to change their CoL to Doral, Florida with U4 1000/1000.

AMENDMENTS TO APPLICATIONS

890  NEW  VA  Exmore - Initial application was for U4  220/220. This amendment requests a CoL change to Rushmere, Virginia with U4  1000/250.
1080  WALD  SC  Walterboro - Licensed for D1  2500/0, WALD has a pending application for D1 11000/0 CH 5000. This amendment requests D1  16500/0 CH 5100 along with a change in CoL to Johnsonville, South Carolina. The change in CoL is a “backfill” change which will allow WPDT-FM (105.1) to move from Johnsonville to Coward, SC.
1180  NEW  MN  Baxter - Initial application was for U2  50000/5000 CH 5000. This amendment requests a CoL change to Rockville, Minnesota with U7  35000/5000 CH 16000.
1450  NEW  MS  Flowood - Initial application was for U1  1000/1000. This amendment requests a CoL change to Jackson, Mississippi with U1  1000/1000.
1490  NEW  MS  Ellisville - Initial application was for U1  250/250. This amendment requests a CoL change to Laurel, Mississippi with U5  1000/1000.

APPLICATIONS FOR NEW STATIONS

1490  NEW  CA  Eureka - Initial application was for U1  1000/1000. This amendment requests U1  795/795.

CANCELLED STATIONS RETURN?

1130  WCGA  GA  Woodbine - Cancelled station’s calls and information has returned to the FCC’s database. Although cancelled, the station was reportedly still on the air. So, maybe their legal status will return.

LICENSE RENEWALS GRANTED

1330  WGFT  OH  Campbell  1500  WASN  OH  Youngstown
1350  WRNY  NY  Rome  1550  WUTQ  NY  Utica
1410  WELM  NY  Elmira  1580  WVKO  OH  Columbus
1480  WADR  NY  Remsen  1600  WEHH  NY  Elmira-Horseheads

HEAR AND THAR

☐ The lights are back ON again at: WIPR-940  San Juan, Puerto Rico.
☐ Plate Voltage turned to OFF: KCLR-1530   Ralls, Texas; WINV-1560   Beverly Hills, Florida.
☐ According to the FCC, as of December 31, 2006 there were 4754 licensed AM stations in the U.S. Some of which, I might add, still provide a public service to their listening area, hi.
☐ Fines: The following have been fined for irregularities in their Public Inspection Files: WEGA-1350   Baja Vega, Puerto Rico ($8000); WRNY-1350   Rome, New York ($4000); WADR-1480 Remsen, New York ($4000); WUTQ-1550   Utica, New York ($4000).
☐ Last week’s TRIVIA question was: What do the following stations have in common: KJLL, WCTT, CBEF, and WCYN. The answer . . . all have higher nighttime powers than daytime.
☐ Thanks to Shawn Axelrod, Perry Crabbil, Bill Dvorak, Wayne Heinen, and Deane McIntyre.

GRAVEYARD DX UPDATE

1230 kHz:  Miles
WNGM  GA  Hiawassee  Ron Bailey  Shelby, NC  126
WAYX*  GA  Waycross  Harry Hayes  Thornhurst, PA  784
WWGA  GA  Waycross  Ron Bailey  Shelby, NC  281
* - station has been deleted but the record stands

1340 kHz:  Miles
WOUB  OH  Athens  Ron Bailey  Shelby, NC  286
Domestic DX Digest

West: Bill Dvorak westlogs@aol.com
3358 Ridgeway Ave. - Madison, WI 53704-4327

East: Mike Brooker aum108@idirect.com
99 Wychcrest Ave - Toronto, Ontario M6G 3X8 CANADA

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

DDXD-West

FROM THE VAST WESTLAND

We are pleased to welcome Brian Avery of Fruita, Colorado to our growing list of DDXD-West contributors for Volume 74. Says Brian: “I’ve been a member for about five years, but have slipped out of the hobby for a while. Now that it’s winter, dark, and very cold here in western Colorado, I’ve happily gotten back into the swing of things.” Thanks, Brian, and we look forward to many future reports!

In DDXD-West 74-16, John Rieger reported that he was at 2,175 stations and that his goal for 2007 was to reach 2,200. On 1/19 John took a big step toward that goal by getting three new ones in one day! These are just three of the many great loggings that you will find below.

In case you missed it when announced in #74-13, I have a new address for USPS mail. Please refer to the DDXD banner for the new address. A reminder, too, that the deadline for e-mail reports is Thursday at 1300 ELT, and for USPS mail Thursday’s delivery.

Reporters


DP-HI* Dale Park, DXing in East Honolulu. Honda car radio.

GH-IL Greg Harris, Park Forest. Icom R75 with Quantum Loop or indoor homebrew shielded loop.


JW-CO John Wilkins, Wheat Ridge. Drake R-8, 4-foot box loop.

Ed.-WI Your editor, Madison.

Station News

740 KVFC CO Cortez and:

1390 KENN NM Farmington. 1/25 0859. While listening to KENN, noted with dual station ID for KENN 1390 and KVFC 740, so these two stations are apparently simulcasting, at least part of the time. (JW-CO)

1460 KION CA Salinas. 1/17 0257. “Coast to Coast AM with George Noory”; ads for Aleve, Match.com and Nationwide Tax Relief; ID “KION Salinas-Santa Cruz-Monterey, More Stimulating Talk Radio”; USA Radio Network news. Back to old format and callsign, ex-KABL and adult standards which was there for about 20 months after moving from 960 San Francisco. KION is also the callsign of sister TV station. (Trivia: KION-TV used to be known as KCCN-TV; KCCN is also a callsign for a Honolulu station.) Also, per Monterey Herald, station is new flagship for syndicated “Money Dots on Main Street USA” show on Saturday, formerly on KSCO 1080. Fair to very poor, with an unID way underneath. (DP-HI*)

1460 KHRA HI Honolulu. Per phone call 1/19 to previous owner KOAM Media, silent station has been sold to “Korean Christian Radio” per spokeswoman, who did not know when it would return to the air. Station has been off the air since an island-wide blackout 10/15/06. There is an organization here called “KGNN” that leases overnights on the other Korean station in town, KREA-1540. (DP-HI)

1660 WDAF KS Kansas City. Last week we reported that Classical music station KXTR 1660 was on the verge of changing calls to the heritage call letters WDAF. As Bill Hale reports in this week’s AMS, that change was made this past week. Now the question is: What will happen to the calls KXTR, which also are historic Kansas City call letters? (Ed.-WI)
Presumed, Tentative, UnID

1320 UNID 1/16 2330. SS Man doing a play-by-play over phone line. Poor; tentative KCTC CA underneath. (DP-HI*)

1350 UNID 1/16 2333. Weak SS teletalk hosted by a man. No sign of usual KSRO CA. (DP-HI*)

1470 KUTYt CA Palmdale. 1/17 0301. CNN news (but with different ads vs. KUMU 1500), slogan “North L.A. County’s News-Talk 14-70,” Colin Powell PSA for Prostate Cancer Education Council; into Radio America’s “Greg Knapp Experience” with Knapp giving time check as “35 after.” Poor; over/under tentative CJVB BC. (DP-HI*) (When presenting any message about prostate problems, is it apropos to have it given by any man named Colin? Ed.-WI)


590 KSUB UT Cedar City. 1/20 2328. “Talk Radio 590 KSUB” at BoH. Fair to good. (BA-CO)


660 KTNN AZ Window Rock. 1/21 0000. CNN Radio news, C&W. Fair to good. (BA-CO)

700 WLW OH Cincinnati. 1/24 0045. “700 WLW” and “America’s Trucking Network.” Call-ins with talk of problems with globalization. SS music underneath. (BA-CO)

730 WXTR VA Alexandria. 1/19 0740. Poor with provbank.com ad, “The New Triple-X ESPN Radio” ID, local sports chatter. Third new log in one day! Last time that happened was 12/17/04! NEW! (JJR-WI)

750 KBNN MO Lebanon. 1/18 0800. Poor in WSB null. Legal ID, news. Last heard as KJEL. (JJR-WI)

750 KHWG NV Fallon. 1/23 2315. “750 KHWG Fallon, Nevada. If you like what you hear, tell a friend.” C&W with songs like “Blame it on Texas, don’t blame it on me.” Signal varied from good to gone. (BA-CO)


770 WKFB PA Jeanette. 1/21 0730. Very poor; even signal with WABC and one other, with calls. (JJR-WI)

780 KAZM AZ Sedona. 1/23 2325. Fox news, weather; 60’s/70’s music. Good. (BA-CO)

800 KXIC IA Iowa City. 1/17 0754. Poor. Tuned in on five minutes of sports, ads, weather, PSA, and finally... calls! No CKLW. (JJR-WI)


830 WCCO MN Minneapolis. 1/23 1925. “This is 8-3-oh WCCO.” News, Traffic, Weather. Weak, noisy. (BA-CO)

850 KFUO MO Clayton. 1/21 1900. “KFUO 850 Saint Louis ends another broadcast day...” by a male announcer. Good signal, overrode WCPT. (GH-IL)


940 WKGM VA Smithfield. 1/19 0730. Poor but steady over others. Religious show, ad, request for money, calls. (JJR-WI)

940 KPSZ IA Des Moines. 1/23 0040. Christian talk and music. Poor. (New) (BA-CO)


960 CFAC AB Calgary. 1/24 0115. “The Fan 960, Calgary’s number one source for sports.” Hockey scores. Fair to good. (BA-CO)


1060 KDUS AZ Tempe. 1/19 2257. Sports news and scores. Poor, much QRM. (BA-CO)

1060 KRCN CO Longmont. 1/23 0055. “American Tax Relief commercial and promo for the ‘Safe Money Show.’” Claim of network “covering 80% of Colorado.” (BA-CO)

1070 WNCT NC Greenville. 1/19 0722. Poor with WTSO nulled. Local ads, “Talk 1070” slogan in show promo. NEW! (JJR-WI)

1080 KRLD TX Dallas. 1/23 0115. “This is NewsRadio KRLD.” The “Texas Overnight” pro-
gram with Larry Jones (“Pick your topic Tuesday”). Good. (BA-CO)

1110 KFAB NE Omaha. 1/23 0125. Iraq news and opinion. “Coast to Coast AM.” Some QRM from local KNZZ 1100. (BA-CO)

1120 KMOX MO Saint Louis. 1/19 2310. “NewsTalk 1120.” Fair. (BA-CO)


1230 KPSA NM Roswell. 1/21 0259. Legal ID just before ToH: “KPSA Roswell, New Mexico... check in with CNN news,” which I believe did follow, although KFUN jumped in on top with ABC news. A needed call change here, last heard as KRSY. (JW-CO) (Late breaking news: Bill Hale reports in AMS that this station changed calls to KBCQ, as posted by the FCC on 1/26. So now John has another call change to target for this one. Ed.-WI)

1310 WDOD TN Chattanooga. 1/17 0721. Poor with calls. No WIBA at all. Nostalgia format. (JJR-WI)

1350 WJBD IL Salem. 1/19 0708. Poor over others, with calls, lively jock with C&W music. NEW! (JJR-WI)

1350 WZGM NC Black Mountain. 1/21 0658. Poor in mess. “Local news, local talk, local sports- 1350AM WZGM.” NEW! (JJR-WI)

1360 KPXQ AZ Glendale. 1/20 1858. Pro-Life talk, ending with a music selection; ID at 1909 by male announcer: “1360 KPXQ, the Christian station, here to serve you,” followed by a commercial. Quite good on peaks, still on day power, over/under a partially-nulled KHNC. (JW-CO)

1370 KGNO KS Dodge City. 1/23 2243. Local United Methodist church advertising their Sunday Service “right here on 1370 KGNO Dodge City.” Sports scores, commercials for Girl Scout cookies, National Guard. (New) (BA-CO)

1410 WLAS IN Lafayette. 1/20 1900. Fast “WLAS Lafayette” by a male announcer. Weak. (GH-IL)


1500 KSTP MN Saint Paul. 1/20 0200. “AM 1500 KSTP.” ABC news. (BA-CO)

1510 KCKK CO Littleton. 1/22 2244. C&W with host Steve Lewis. Much QRMD and fading. Poor to fair. (BA-CO)

1520 KOKC OK Oklahoma City. 1/20 0214. “Midnight Radio Network.” Lots of trucking commercials. (BA-CO)

1540 KXEL IA Waterloo. 1/23 1840. “This is the Power Source KXEL” and “Live and Local, News Talk 1540.” Talk of evening’s U of I game and commercials for University Motors and the new Amigos Mexican Bar and Grill. Good. (New) (BA-CO)

1550 CBE ON Windsor. 1/20 1845. Various CBC IDs and a Canadian comedy skit. Weak QRMD from an unID SS station. (GH-IL)

1570 KVTK SD Vermillion. 1/21 0800. Very poor though clear legal ID. ESPN in mess. Not as common as it once was. (JW-WI)


DDXD-East

REPORTERS

BC-NH Bruce Conti, Nashua – R8B, MWDX-5, 50 x 75-ft terminated broadband loops east and south.

WC-NC William Cooper, Leland – Sony ICF-7600GR

HF-MI Harold Frodge, Midland - Drake R8B + 215’ center-fed RW, 85’ end-fed RW, 125’ bowtie

RM-CT Ron Musco, Poquonock - Amelco R-390A, phaser, two long wires NE and NW

RP-IN Robert Pote, Greenwood - Drake R8A, Quantum Loop

GW-NJ Gary Wilt, Wood Ridge – ICOM R75, rooftop loop

MKB-ON Mike Brooker, Toronto – Grundig YB-400PE, Panasonic RF-2200

Expiration? Time to renew? Not sure when? Need to call or e-mail someone or join e-DXN or DXAS? Check the back page - it’s all there!
<table>
<thead>
<tr>
<th>Frequency</th>
<th>City</th>
<th>State</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1630</td>
<td></td>
<td></td>
<td>Spanish singing by what sounded like a choir under KCJJ, signal would rise from time to time but never rivaled KCJJ, I believe that it may be KRND as it is the only Spanish listed on 1630 in 27th log. (RP-IN)</td>
</tr>
<tr>
<td>540</td>
<td>WWCS</td>
<td>PA</td>
<td>Canonsburg - 1/20 0120 - Good; “AM 540 Radio Disney Pittsburgh” ID. (BC-NH)</td>
</tr>
<tr>
<td>700</td>
<td>WDMV</td>
<td>MD</td>
<td>Walkersville - 1/25 1700 - Good; IDs as WDMV Walkersville-Washington and “DC 700, Washington’s Business Radio,” local talk. (BC-NH)</td>
</tr>
<tr>
<td>740</td>
<td>KRMG</td>
<td>OK</td>
<td>Tulsa – 1/21 0203 – Voice ID “KRMG Depend On It” followed by weather and then Neal Boortz Show. Fade up from mix of unknown stations with CHWO nulled. (WC-NC)</td>
</tr>
<tr>
<td>780</td>
<td>WBBM</td>
<td>IL</td>
<td>Chicago – 1/22 1248 – fair on mid-day skip (or enhanced winter groundwave) with traffic report intro’d by “traffic and weather on the eights on Newsradio 780 WBBM”. (BC-NH)</td>
</tr>
<tr>
<td>830</td>
<td>WCCO</td>
<td>MN</td>
<td>Minneapolis - 1/25 2325 - Good in local WCRN null; callsign jingle, what sounded like a loon sound effect, and sports talk. (BC-NH)</td>
</tr>
<tr>
<td>910</td>
<td>WABI</td>
<td>ME</td>
<td>Bangor - 1/25 1945 - Good; local interview program, “WABI 910” and “Voice of Maine” IDs. (BC-NH)</td>
</tr>
<tr>
<td>930</td>
<td>WLLL</td>
<td>VA</td>
<td>Lynchburg – 1/17 1809 - Station ID heard at 1810 “WLLL Lynchburg” followed by an Unid gospel tune by a male gospel group, not much more, lost in the mix. 1st time heard. (RP-IN)</td>
</tr>
<tr>
<td>950</td>
<td>WXGI</td>
<td>VA</td>
<td>Richmond – 1/24 1659 – over WWJ/WIBX mix with talk on U of Virginia basketball, top of hour ID: “the new ESPN 950, WXGI Richmond” into ESPN Sports Center. (MKB-ON)</td>
</tr>
<tr>
<td>1060</td>
<td>WKNG</td>
<td>GA</td>
<td>Tallapoosa – 1/23 0723 - Unid country song by male singer followed by a promo to meet Tracy Lawrence at? Several “WKNG” ID’s heard plus reference to “KING Country” signal faded up for about 30 seconds then vanished, 1st time heard. (RP-IN)</td>
</tr>
<tr>
<td>1080</td>
<td>WOKT</td>
<td>KY</td>
<td>Cannonsburg – 1/23 1642 - Frequent IDs; Ads/Adams Book Store, Eagle Mortgage in Ashland, Boyd County Pharmacy; religious music. Taking turns on top w/WTIC &amp; WWNL. KY #25. (HF-MI)</td>
</tr>
<tr>
<td>1130</td>
<td>WYXE</td>
<td>TN</td>
<td>Gallatin – 1/22 0740 - Spanish talk show in progress with several references to Nashville, TN. Very good on peaks in partial KWKH and WBBR null. 1st time heard. (RP-IN)</td>
</tr>
<tr>
<td>1270</td>
<td>CFGT</td>
<td>QC</td>
<td>Alma - 1/25 1740 - Talk in French parallel Radiomédia network flagship 730 CKAC; over CJCB. (BC-NH)</td>
</tr>
<tr>
<td>1280</td>
<td>WJST</td>
<td>PA</td>
<td>New Castle - 1/23 1713- [Originally reported as UNID. Mike] Station heard with rock and roll oldies, 1715 power cut. WADO and a sports station also in there. ID (on tape) went by a man: “The oldies stations for Motown, The British Invasion, rock and roll is on E-O-E....” After spending a couple of more hours it is indeed WJST with “memories 1280” and old rock and roll. Taped ID 1/25 at 1750. Gives some patter and liners after every song, They’re the only ones on 1280 with that format. I noted a religious program started at 1730 but WADO and an UNK sports station makes it tough but possibly unneeded Mullins, SC. (RM-CT)</td>
</tr>
<tr>
<td>1290</td>
<td>CJBK</td>
<td>ON</td>
<td>London - 1/19 2120 - Good; London Knights vs. Belleville Bulls Ontario Hockey League coverage. (BC-NH)</td>
</tr>
<tr>
<td>1330</td>
<td>WHBL</td>
<td>WI</td>
<td>Sheboygan – 1/22 1730 – over now-oldies WFNN with promo for Rush Limbaugh “weekdays on news radio 1330 WHBL” into local news. (MKB-ON)</td>
</tr>
<tr>
<td>1420</td>
<td>WTCR</td>
<td>WV</td>
<td>Kenova - 1/19 0330 - Assorted bluegrass music followed by a nice clear ID “WTCR Americana 1420”. Completely dominating the frequency. New here. (GW-NJ)</td>
</tr>
<tr>
<td>KTOE</td>
<td>MN</td>
<td></td>
<td>Mankato – 1/25 1820 - MN State promo; many local ads. Over/under WHK.</td>
</tr>
<tr>
<td>Time</td>
<td>Frequency</td>
<td>Country</td>
<td>City</td>
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<td>1500</td>
<td>KSTP MN</td>
<td>St. Paul</td>
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<td>1550</td>
<td>WIRV KY</td>
<td>Irvine</td>
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<td>1560</td>
<td>WAGL SC</td>
<td>Lancaster</td>
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<tr>
<td>1620</td>
<td>WTAG TX</td>
<td>College Station</td>
<td>-</td>
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<tr>
<td>1630</td>
<td>KXGM TX</td>
<td>Fort Worth</td>
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<tr>
<td>1700</td>
<td>KBGG IA</td>
<td>Des Moines</td>
<td>-</td>
</tr>
</tbody>
</table>

**International DX Digest**

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

### Transatlantic DX

<table>
<thead>
<tr>
<th>Country</th>
<th>Station</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOROCCO</td>
<td>R.Mediterrane Interionale</td>
<td>Nador (35°03’N 02°55’W) JAN 25 2333 - Arabic vocal music; weak but parallel 9575 kHz, SIO=4+43+. Only LWBC with any audio. [Frodge-MI]</td>
</tr>
<tr>
<td>BELGIUM</td>
<td>VRT Radio Een</td>
<td>Wolvertem (50°59’N 04°18’E) JAN 26 0500 - Poor and tentative; what sounded like a march or polka music at first (anthem at sign-on?), then a pop vocal, possible Radio Een ID and salsa music. [Conti-NH]</td>
</tr>
<tr>
<td>DENMARK</td>
<td>Danmarks Radio</td>
<td>Kalundborg (55°40’N 11°04’E) JAN 25 2233 - Good; folk/rock vocals. [Conti-NH]</td>
</tr>
<tr>
<td>SPAIN</td>
<td>SER synchros</td>
<td>JAN 25 2315 - Excellent; telephone talk in Spanish. [Conti-NH]</td>
</tr>
<tr>
<td>SWEDEN</td>
<td>R.Sweden International</td>
<td>Sölvësborg (55°59’N 14°40’E) JAN 25 2254 - Man and woman in English, blues vocal; better than parallel 6065 which was suffering Korean interference. [Conti-NH]</td>
</tr>
<tr>
<td>FRANCE</td>
<td>France Info</td>
<td>Bordeaux (44°57’N 00°11’W) JAN 26 2155 - Good; telephone discussion in French. [Conti-NH]</td>
</tr>
<tr>
<td>UNITED KINGDOM</td>
<td>Virgin Radio synchros</td>
<td>JAN 25 2247 - “Where the Streets Have No Name” by U2; over a low frequency het likely from Albania. Internet reports indicate an off-frequency Virgin synchro might be adding to the rumble. [Conti-NH]</td>
</tr>
<tr>
<td>SPAIN</td>
<td>Herri Irratia</td>
<td>Donostia-San Sebastián JAN 26 2210 - Tentative; talk in Spanish, not parallel other COPE frequencies. [Conti-NH]</td>
</tr>
</tbody>
</table>

### Pan-American DX

<table>
<thead>
<tr>
<th>Country</th>
<th>Station</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLOMBIA</td>
<td>HJKH RCN Antena Dos</td>
<td>Bogotá (04°34’N 74°04’W) JAN 20 0126 - Good; “¡Gooooooai!” Argentina vs. Brazil in Paraguay 2007 fútbol tournament. [Conti-NH]</td>
</tr>
<tr>
<td>MEXICO</td>
<td>XEAR La Mexicana</td>
<td>Tampico, Tamps (22°12’N 97°50’W) JAN 20 0528 - Fair in WFAN null; “La Mexicana... La Mexicana, 660 AM, con la música...” promo ID, “¡Once treintal” time check, and ranchera music. [Conti-NH]</td>
</tr>
<tr>
<td>CUBA</td>
<td>CMQ R.Rebelde</td>
<td>Arroyo Arenas (23°00’N 82°30’W) JAN 20 0455 - Excellent; folk music parallel 600 and 710, but again not parallel 5025 kHz. [Conti-NH]</td>
</tr>
<tr>
<td>CUBA</td>
<td>R.Progreso</td>
<td>unknown location JAN 26 0325 - “Noches de la cuba” nostalgia program</td>
</tr>
</tbody>
</table>
under WJR, parallel 640, 730, and 890 kHz. Tip from Barry McLarnon on mIRC #mwdx. [Conti-NH]

790 CUBA CMAQ R.Reloj, Pinar del Río (22°25’N 83°43’W) JAN 20 0040 - Dominant, woman with news items, well over domestics and weaker delayed R.Reloj signal (transmitter site unknown) creating double minute markers and RR Morse code IDs. [Conti-NH]

840 CUBA CMKC R.Revolución, Santiago de Cuba JAN 20 0349 - R.Revolución ID in baseball play-by-play, over CMHW Doblevé music. New log. Shortly after, CMHW rose to the top with ID and music, then WRYM became dominant with preaching in Spanish under variable conditions. [Conti-NH]

910 CUBA R.Cadena Agramonte, Camagüey JAN 25 0058 - Fair; “Radio Cadena Agramonte, Camagüeøy, Cuba” ID into sports coverage. [Conti-NH]

970 VENEZUELA unID JAN 26 0245 - Fair; baseball play-by-play, “RCR Deportes” mentions, parallel 750 YVKS. [Conti-NH]

1520 COLOMBIA HJLI Vida AM Música, Bogotá (04°43’N 74°08’W) JAN 25 0430 - Likely the one with jazzy instrumental music, then “Vida AM Musica” slogan, Colombia mentioned twice, and a list of network affiliates, including “Vida AM Musica, HJLI Bogotá.” Over weak domestics with WWKB off. [McLarnon-ON]

Contributors

Bruce Conti, Nashua NH; R8B, MWDX-5, 15 x 23-m terminated corner-fed broadband loops east and south.

Harold Frodge, Midland MI; R8B, 215-ft center-fed random wire, 85-ft end-fed random wire, 125-ft bow-tie.

Barry McLarnon VE3JF, Ottawa ON; IC-R75, MFJ-1026, NNE and WNW point-terminated Pennants, 1-m box loop.

International News

HUNGARY: Hungarian Radio launches its new domestic program Magyar Radio 4 (MR4) focused on national minorities from 1 February 2007. Frequencies: 873 Budapest (100 kW), 873 Pecs (100 kW), 1188 Marcali (500 kW), 1188 Szolnok (300 kW). Schedule, times in UTC: 0700-0900 Croatian (daily), 0900-1100 German (daily), 1200-1230 Slovenian (Mon), Russian (Tue), Bulgarian (Wed), Greek (Thu), Ukrainian (Fri), Armenian (Sat), 1230-1300 Roma (=Gypsy) (Mon-Fri), Polish (Sun), 1300-1500 Serbian (daily), 1500-1700 Romanian (daily), 1700-1900 Slovak (daily). Also on HotBird satellite at 13° - 12.149 GHz. Hungarian Radio closes all its transmitters (Kossuth Radio program) in the CCIR FM band (66 - 73 MHz) on 31 January 2007. [Karel Honzik, mwdx]

73 and Good DX!

NRC Contest

Bruce Conti nrcidxd@aol.com
46 Ridgefield Drive
Nashua, NH 03062-1174

An annual DX contest which encourages DX’ing and offers prizes

The State of the Art DX Contest

Announcing the winners of the longest distance contest, but first...

In addition to some impressive gains posted by contestants since the last update, Nancy Johnson writes, “The other night I also heard the Cuban on 530 when looking for Turks & Caicos, but only heard a Radio Habana slogan, so I have not included that one. I doubt it, but if it would have counted let me know.”

This contest operates under the honor system. Every DXer has his or her own criteria for counting stations. Bottom line; if it’s good enough to count in your personal logbook, then it’s good enough for the contest. I trust that all contestants will participate with integrity. Here’s where our upstanding decent DXers stand as of January 20:
### Pan-American Scores

- Bruce Conti = 760
- John Wilkins = 417
- Wayne Heinen = 357
- Nancy Johnson = 249
- Bert New = 102
- Jeff Hawk = 78

### Transoceanic Scores

+ Richard Wood = 2323
+ Bruce Conti = 1098
+ Dale Park = 425

Congratulations to Richard Wood, Dale Park, and Nancy Johnson, mid-contest winners of the 2007 World Radio TV Handbook for the longest distance logs! Remember, it isn’t over until it’s over. How ‘bout we offer two grand prizes for the top transoceanic and transcontinental DXers to keep it interesting? It’s still not too late to join the fun. It will be increasingly difficult for those of us in the game to add points, so there’s plenty of time for new entrants to play catch-up. Changes since the last update (refer to DX News, January 15, for the complete list of logs):

### Pan-American DX

**Bruce Conti,** Nashua NH (42°43'N 71°31'W)  
Miles | Pts
---|---
Colombia  
VA 700 HJCI Cali (03°28'N 76°30'W) | 2719 | 27
Mexico  
BCN 1700 XEPE Tecate (32°32'N 116°49'W) | 2549 | 25
Tamps 660 XEAR Tampico (22°12'N 97°50'W) | 2072 | 20

### Wayne Heinen, Aurora CO (39°39'N 104°46'W)  
Miles | Pts
---|---
Canada  
AB 610 CKYL Peace River (56°11'N 117°11'W) | 1275 | 12
BC 1130 CKWX Vancouver (49°09'N 123°04'W) | 1114 | 11
NB 1070 CBA Moncton (46°02'N 64°41'W) | 2060 | 20

### Nancy Johnson, Billings MT (45°46'N 108°37'W)  
Miles | Pts
---|---
Mexico  
AT 1070 CBA Moncton (46°02'N 64°41'W) | 2060 | 20

### Longest Distances

<table>
<thead>
<tr>
<th>Country</th>
<th>City</th>
<th>Miles</th>
<th>Pts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saudi Arabia</td>
<td></td>
<td>8851</td>
<td>8851</td>
</tr>
<tr>
<td>Djibouti</td>
<td></td>
<td>8686</td>
<td>8686</td>
</tr>
<tr>
<td>New Zealand</td>
<td></td>
<td>5035</td>
<td>5035</td>
</tr>
<tr>
<td>Turks &amp; Caicos</td>
<td></td>
<td>2676</td>
<td>2676</td>
</tr>
</tbody>
</table>

* Ineligible for prizes.
† Hawaii combined with Pan-American.

### Transoceanic DX

**Bruce Conti,** Nashua NH (42°43'N 71°31'W)  
Miles | Pts
---|---
Spain  
Madrid 999 COPE Madrid (40°28'N 03°52'W) | 3411 | 34
Cataluña 738 RNE1 Barcelona (41°23'N 02°12'E) | 3665 | 36
Andalucía 684 RNE1 Sevilla (37°12'N 05°55'W) | 3416 | 34

### Dale Park, Honolulu HI (21°18'N 157°44'W)  
Miles | Pts
---|---
United States  
LA 870 WWL New Orleans (29°50'N 90°08'W) | 4204 | 42
NE 880 KRVN Lexington (40°31'N 99°24'W) | 3637 | 36
UT 1160 KSL Salt Lake City (40°47'N 112°06'W) | 2979 | 29

**John Wilkins,** Wheat Ridge CO (39°46'N 105°05'W)  
Miles | Pts
---|---
Cuba  
GU 860 CMD Barbacoa (20°21'N 74°29'W) | 2251 | 22
PR 790 CMAQ Pinar del Rio (22°25'N 83°43'W) | 1733 | 17

**Dale Park, Honolulu HI (21°18'N 157°44'W)  
Miles | Pts
---|---
Australia  
QLD 630 4QN Townsville (19°31'S 147°20'E) | 4657 | 46
MHL 1098 V7AD Majuro (07°09'N 171°12'E) | 2292 | 22
NZL 810 4YA Dunedin (45°53'S 170°30'E) | 5035 | 50

73 and Good Luck!
Special NRC Catalog Insert

Listed in this section are current products and publications of the National Radio Club. If you need any information on products that may still be available but are no longer listed in this catalog, please order ZAL- NRC ARCHIVED PUBLICATIONS LIST. These are items which are dated or have been superseded including bandscans and other early technical articles.

Remember, each purchase benefits the non-profit National Radio Club

AM Radio Log 26th Edition - Order Item ARL
The Current 27th Edition is for the 2006-2007 DX Season’s edition of the hobby’s original BCB reference for the U.S. and Canada. Packed with the quick reference station data that you’ve always loved. It includes cross references by city and call letter.

NRC Antenna Pattern Book - 6th edition Order Item APB
This all new edition composed and edited by NRC’er Bill Hale is an all inclusive book of patterns for both Day and Night operation of stations in the USA and Canada. This concept also replaces Bill’s previous Station Location Map Book

FM Atlas 20th Edition - Order Item FMA
Dr. Bruce Elving’s New 20th Edition. Contains listings by frequency and alphabetical listings by state. state by state location maps. Translators are listed by state. Entries include power, antenna height and format.

Getting Started in Medium Wave DX’ing - Order Item GSM
Updated in 1995. This booklet is designed to assist the novice DX’er in pursuit of the hobby. It includes introductory articles on foreign and domestic DX’ing. Articles on QSL’ing, safety and DX gear are also included.

Beverage and Longwire Antennas Design and Theory - Order: BAM
This manual is a compilation of numerous articles on the subject of design and theory of the beverage and longwire antennas that have appeared through the years in DX News. Some articles are available as reprints. This book gives details information on the theory of operation, construction and maintenance of a beverage antenna. Serves as an enhancement to Antenna Reference Manuals Volume 1 and 2. 8 1/2” X 11” booklet format. BAM Contents:
The Coolum Beach Beverage 1983 Analysis of the Beverage Antenna
Beverage Basic Theory Two-Wire Phased Antennas
The Florida Beverage
The Care and Feeding of the Wave Antenna
A Non-Resonant Longwire Remote From Earth Ground

Loop Antenna Design and Theory - Order Item LAM
Revised and updated in 1996. This manual is a compilation of numerous articles on the subject of design and theory of the loop antenna that have appeared through the years in DX News. This book gives detailed information on the theory of operation, construction and maintenance of a loop antenna. Serves as a enhancement to Antenna Reference Manuals Volume 1 and 2. 8 1/2” X 11” bound book format. LAM Contents:
Multi-Rod Ferrite Loop Antennas Roll Your Own! (Loop)
Loop Antenna Theory and Practice Long Wave Converter Detail
Loop Distortion Why get Skewed? Pattern Controlled Loops
High Dynamic Range Balun Loop BFE-C Loop Amplifier Card
The Hot Rod- Ferrite Loop Antenna Loop Antenna Sensitivity
High Precision Direction Finding High Performance Loop Amp
What’s Wrong With Present Day Loop Antennas?

This book features the plans for the original NRC 4’ FET Altazimuth loop antenna. Revised in the Spring of 2005 with digitally enhanced drawings and updated material sources! This manual is a also contains other articles on the subject of antennas for medium wave DX’ers, most were originally published between 1969 and 1974 in DX News. Includes articles on air-core and ferrite core loops, antenna tuners for longwire antennas and antenna couplers. This is the original book which has been available for over 20 years. 8 1/2” X 11” bound book format. ARM-1 Contents:
NRC FET Altazimuth Loop Balanced FET Amplifier
Thoughts on FET Loop Construction NRC Two Foot Loop
Tips on Loop Construction One Transistor Loop amplifier
Balanced and Unbalanced Loops Direct Coupled Loops
A ‘Collapsible’ Loop for Travel BCB DX’ers Beverage
Antenna Tuning Devices for Longwires ‘Bob Flick’ Loop Antenna Coupler
Alternative Methods of Air Core Loop Amplification The Hawk Loop
Antenna Reference Manual Volume 2 - Order Item ARM2
5th Printing Updated and Digitally Enhanced!
This manual has also had digitally enhanced drawings and updated material sources added in the Spring of 2005. This manual is a compilation of numerous articles on the subject of antennas for medium wave DX’ers. Originally published between 1974 and 1981 in DX News. Some articles were formerly available as reprints. Includes articles on air-core and ferrite core loops, antenna tuners for longwire and Beverage antennas and phasing units for use with Beverage antennas and longwires. 8 1/2” X 11” bound book format. ARM2 Contents:

- A Good Loop is Easy and Cheap to Make
- The “Harley Loop”
- Whip Antenna Coupler for Portable Receivers
- The Wedge Loop
- AC Power Supply for FET Loop Amplifiers
- Antenna Phasing
- FET Loop Amplifier with Coaxial Output
- Practical Phased Beverages
- Phasing Unit Construction and Use
- More on Phased Beverages
- Phasing Unit Design Modifications
- More Thoughts on Beverages
- Floor Stand and Mounting Arrangements for Loops

Antenna Reference Manual Volume 3 - Order Item ARM3
This manual is a compilation of numerous articles on the subjects of antennas, phasing, impedance matching and RF amplification for medium wave DX’ers. Some of the articles have been published in DX News between 1999 and 2004. Some articles were formerly available as reprints. 8 1/2” X 11” bound book format. ARM3 Contents: (All Articles by Mark Connelly WA1ION unless noted)

- BBL-1 Broadband Loop Antenna (Parts a & b)
- Pennant Antenna with Remote Termination Control
- Flag Antenna Construction and Test Results
- Three Loop Antenna Array with Electrically-Rotatable Nulling
- Phased Spaced Active Whips and Broadband Loops
- Medium Frequency Amplifier Circuits Compared
- TMB-1 Tri-Mode Buffer Amplifier Box
- DXP-3 DXpedition Phasing Unit
- Superphaser-2 Phasing Unit
- FCA-1 Feedline Coupling Adaptor
- New Termination Control Method for Flag, Pennant, and similar Antennas
- Fabricating Impedance Transformers for Receiving Antennas (John Bryant)
- Broadband Receiving Antenna Matching
- Passive Broadband Phasing

NRC County Cross Reference - Order Item CCR
Compiled by Bill Hale. This handy reference has a complete lists of counties in the USA and Canada. These are listed alphabetically and cross referenced by state.

The Challenging Crystal Set - Ray Cole - Order Item CCS
This interesting booklet shows you how to build a “modern” crystal set, just like the one your parents or grandparents might have built and used many years ago. The 40-page booklet is full of illustrations and excellent diagrams.

DX’ers Accessories and Aids
Sunrise/Sunset Maps - Order Item SSM
A set of 12 maps (8 1/2” x 11”) with instruction sheet showing the average monthly sunrise/sunset times for the United States.

Map of U.S. & Canada - Order Item MAP
Map of the U.S. and partial Canada with state and provincial borders. Cities are not shown.

Broadcasters’ Guide to DX - Order Items EEG (English) SSG (Spanish) - FFG (French) - FMG (FM DX)
Tri-fold guides for use with reception reports explaining the broadcast band DX hobby, the history of the NRC and the importance of verifications to DX’ers. Sold 20 per order.

Log Sheets - Order Items ... LG (110 sheets) LGS (20 sheets)
Organize by frequency with 25 entries per sheet possible. Space is available to add additional columns. Punched for a three - ring binder. 8 1/2” x 11”. Sold 110 sheets per pack. (Additional pages are available in 20 sheet packs).
Audio Cassette Magazines: Quantities are limited to Stock on Hand:

ALL RADIO - Volume I


ALL RADIO - Volume II

George Gimarc and Pat Reeder talk about their book, “Hollywood Hi-Fi!” and play examples of songs. Steve Eberhardt tells us why KLIF 1190 was an icon of radio. N.R.C. member Ben Dangerfield talking about what it was like to DX during World War II. Bob Savage, owner of WYSF, Bob talks about his career and radio, IBOC, programming, profanity on the air, and other topics. Ending feature; the Business Meeting Awards section from the 2003 convention in Dallas, and 2004 convention in Rochester NY. Three hours of talk about radio and the National Radio Club.

After Dark Volume 2 - Order Item ADC2

Volume 2 is a four 90-minute cassette collection in a plastic album. It contains air checks from such rarities as WNRC and the 1984 IRCA convention station WTCL-830 as well as Laser-558 and much more from BCB, FM and SW. A variety of what’s happening in radio, formats, “rule primer”, “for beginners” and much more.

After Dark Volume 3 - Order Item ADC3

Four 90 minute cassettes in a plastic album. Contains an interview with Radio Nederland’s Jonathan Marks host of “Media Network”. An interview with Dr. Bruce Elving, Editor of the “FM Atlas”. A complete Las Vegas, Nevada band scan. The 10th anniversary of WOJB-FM, An American Indian owned an operated station. WWTC in Minneapolis and their “All Kids” “Radio “Ah’s” format.

After Dark Volume 5 - Order ADC5

A 12 Cassette Collection in a plastic album featuring an in-depth interview with VOA’s John Vodenik on the closing of the Bethany transmitter site. Airchecks from 1230 and 1240 stations. Interviews with Mark Connelly and Bruce Conti on TA DX and many more audio magazine features!

After Dark Volume 9 - Order ADC9


After Dark Volume 11 - Order ADC11

Two 90 minute cassettes in a plastic album. A variety of radio related audio articles.

For Members Only!

Member Logo Stationary - Order Item STA

Logo Reception Report Forms - Order item EERF (English) Items FFRF (French), SSRF (Spanish) - available as sample form only.

Membership Certificate - Order Item CERT with NRC Logo Red and Blue on White

Reprints

THIS LIST SUPERSEDES ALL PREVIOUS LISTS AND ORDER FORMS WHICH SHOULD NOT BE USED. The number of pages in each article is indicated by ( ).

ANTENNAS

Many articles formerly in this section are in the Loop and Beverage Manuals.

A2 A ZERO SHARPENING DEVICE FOR A BCB LOOP. T. Holmes. If you’re having trouble obtaining sharp nulls with a standard loop, this simple device may help. (1)

A3 A VERSATILE LONGWIRE ANTENNA COUPLER. R. Foxworth. How to get the maximum mount of signal from your longwire. (3)

A9 DOWN TO EARTH GROUNDS. G.P. Nelson. How to make low resistance ground connections for terminating a Beverage (2)

A10 A CALIFORNIA BEVERAGE. Fr. Jack Pezza. Results obtained at this Beverage site. (2)

A12 THE VERTICAL PICKUP PATTERN OF THE MW LOOP ANTENNA. G.P. Nelson. Information for those doing horizon blockage experiments with a loop antenna. (4)

A13 USING TWO ANTENNAS TO GENERATE ASYMMETRICAL RECEIVING PATTERN. M. Levintow. Shows a simple way to skew your loop’s pattern to effect a null that will permit reception of a station impossible to receive on a figure-8 loop antenna by itself. Reprints A5 and A6 are a requirement for understanding this technique. (3)
A14A NEW MEDICAL BREAKTHROUGH FOR LONGWAVE TA’S. C. Clayton. Instructions on how to build an inexpensive loop antenna for LW. (1)

A15 REVIEW OF THE DYMEEK DA-3 ANTENNA. Pete Taylor, with notes by R. J. Edmunds. Evaluation of this MW antenna. (4)

A16 MORE ON BEVERAGE ANTENNAS. Wes Boyd. Beverage antenna theory and application. (2)

A17 MORE FERRITE LOOP ANTENNA INFO. Dallas Lankford. Inconsistencies in ferrite-core loop antenna theory. (3)

A19 NEBE: THE NEBRASKA BEVERAGE. D. Fischer, C. Dabelstein, R. Mitchell. Results at the Nebraska Beverage site. (7)

A20 THE LSCA-1. Ron Schatz. Construction plans for the Loop Sense Cardioid Array. Should yield a unidirectional receiving pattern when operated properly. (10)

A25 A NOVEL APPROACH TO BUILDING YOUR OWN BCB LOOP. M. Maloney. Ideas for improvements in operation and sturdiness of loop antennas. (4)

A27 SEVEN PASSIVE TUNERS. Mark Connelly. This article will introduce you to many different tuner designs and how they are used. (10)

A29 REMOTELY-CONTROLLED ANTENNA TUNER RT-1. Mark Connelly. An introduction to the design of remote tuning for loop or wire antennas from distances of 50 feet or more. Use w/ A43 (7)

A30 REMOTELY TUNED DIRECTIONAL LOOP ANTENNA. E. L. Cummins. Loops ideas for building where interior mounted loops will not work. (11)

A31 SIMPLE CHEAP AND EFFECTIVE PRESELECTOR LONGWIRE TUNER-AMPLIFIER. B. Sherwood. Schematic and brief instructions are given. (3)

A33 ANTENNAS FOR AM BROADCASTING. Steve Kennedy. A brief history of early and current station antenna systems. (4)

A34 SOME ANTENNA EXPERIMENTS - PART 1. W. R. McIntosh. Ever heard of a Helical longwire? This article deals with compact antennas for use where space is limited. (3)

A35 THE PHASE ONE - A Delay Line Phasing Unit. Gerry Thomas. Description of an improved phasing unit design that can be built or is available in kit form. (3)

A36 LOOP-LONGWIRE COMBINED ANTENNA. P. Swain. “Sensing” antennas for DXing and direction finding. (3)

A38 EXTREMELY LINEAR ELECTRICALLY TUNABLE ACTIVE RECEIVING ANTENNA. Hopf and Lindenmeier. Technical discussion of an antenna system that is the optimum solution towards allowing undisturbed reception near transmitters. (5)

A39 SIMPLE PASSIVE LONGWIRE TUNER. Mark Connelly. A basic tuner that can eliminate mixing spurs caused by strong locals. (2)

A40 AMPLIFIED PHASED SHORT WIRES. Mark Connelly. Construction article. Utilizing an SM-2, phasing unit and short wire antenna. (8)

A41 THE KOWALSKI LOOP. Neal Perdue with comments from Paul Kowalski. A first-hand account of this ferrite core loop antenna. A non-technical review, with comparisons to the SM-2. (2)

A42 THE MWT-1 FAMILY OF ANTENNA TUNERS. Mark Connelly. Construction plans for the MWT-1, Mini MWT-1A, 1B and 1C antenna tuners (28)

A43 RT-1 REMOTELY-TUNED ANTENNA TUNER. Mark Connelly. Description and construction plans. (10)

A44 THE MINI MWDX-3, A simple, Effective Phasing Unit. Mark Connelly. Construction plans for a one-box phasing unit. Order also A55. (21)

A45 THE MWDX-4 FAMILY OF PHASING UNITS. Mark Connelly. Construction and use of two similar series of phasing units. (25)

A46 WIND A COMPLETE-COVERAGE COIL FOR THE RADIO WEST LOOP. Fritz Mellberg. Eliminate the need to change coils during tuning of the entire MW band on this antenna. (1)

A47 TEST OF THE MITCHELL LEE LOOP AMPLIFIER. Mark Connelly. A new low impend- ance input, 3-transistor amplifier used with series tuned loops is detailed, along with improvement ideas. (6)

A48 YAD ANTENNA GIZMO Jerry Starr. A simple-to-build antenna switching device. Will ground the antenna not in use while using the other; designed for 2 antennas and 1 receiver. (1)

A52 COMPUTER-AIDED ANTENNA TUNER DESIGN. Mark Connelly. This BASIC computer program determines which component values are used in your antenna tuner. Tuner schematics included. (7)

A53 IMPORTANT LOOP, TUNER AND PHASER DESIGN CONSIDERATIONS (“Q” DEMYSTIFIED) Mark Connelly. Technical article. The importance of “Q” and a BASIC program to find antenna tuner component values in light of the “Q”. (7)

A54 THE MITCHELL LEE AMPLIFIER: TWO TUNER IMPLEMENTATIONS. Mark Connelly. Technical article. Tuner circuits using this amplifier. Reference also A47. (5)


A57 MICRO-MWDX-4A LOOP VS WIRE PHASER. Mark Connelly. Connelly. Technical Construction Article. (11)

A59 LIL-1. Dallas Lankford. Construction plans for a new circuit for combining a loop and inverted L antenna to generate a cardioid pattern. (3)
A60 MEDIUM WAVE, A PRACTICAL APPROACH. Graham Maynard. This is a consolidation of articles that were first published by the Medium Wave Circle of England. It outlines the authors construction of his MW DX receiving set-up. (12)

A61 MWDX-5 PHASING UNIT. Mark Connelly. The latest the series of Phasing Units. Construction article. (11)

A62 MINI-MWX-5. A SIMPLE PHASING UNIT. Mark Connelly. Construction article. Similar to the MWDX-5 but simpler. A61 recommended (3)

A63 RIBBON CABLE LOOPS. Mark Connelly. A new loop concept. (5)

A64 QUANTUM LOOP Gerry Thomas & Mark Connelly. A new ferrite core loop. Reviewed and modified. (9)

A66 SUPER BOOSTER BAR. Gerry Thomas. For portable receivers. (2)

A67 BUF-A AMPLIFIER. Mark Connelly. A building block for many Connelly construction projects. (9)

A68 HIGH PERFORMANCE LOOP AMPLIFIER. Dallas Lankford (6)

A69 NOISE & INTERFERENCE REDUCING ANTENNAS. Wight, Lankford & Connelly. (10)

A70 REMOTELY TUNED LOOP RTL-1 & RTL-1A. Mark Connelly. Also Contains the latest BBA-C1 Amplifier Card. (20)

A73 THE MWT-2 REGENERATIVE TUNER. Mark Connelly (21)

A75 BEVMATCHER. A broadband Antenna Matching and combing Unit. Mark Connelly. (8)

A77 THE RTU-1. Mark Connelly. A remote tuning unit for active antennas. (11)

A78 Coupler & Upgrades for the Quantum Loop. G. Thomas (2)

A79 SUPER MWDX-5 PHASING UNIT. M. Connelly. Upgrade of Reprint A61 (16)

A80 ANOTHER LOOK AT NOISE REDUCING ANTENNAS by Mark Connelly (3)

A81 ONE CHIP ACTIVE ANTENNAS by Mark Connelly (3)

A83 THE MWT-3 REGENERATIVE TUNER CONTROLLER by Mark Connelly A passive and Active broadband amplification control of remotely tuned loops and whips. (21)

A87 ULTRALINEAR 2N5109 AND 2N3053 AMPLIFIERS. D. Lankford. Technical article with instructions/schematics. (15)

A88 ULTRALINEAR AMPLIFIED ONE METER WHIP ANTENNAS. Dallas Lankford. 1994 - complete instructions & diagrams for 2 one meter antennas. (19)

A89 THE FULL-SIZE, FULL-PERFORMANCE LOOP. R. Moore. A history & explanation of Loops & the author’s current design. (10)

A90 ANTENNA EXPERIMENTS - summer 1994. Mark Connelly. Tests to help you choose for your needs. (5)

A91 KIWA/QUANTUM LOOP COMPARISON by Elliot Straus,(1)

A92 PHASED NOISE REDUCING ANTENNAS by Russell Scotka (7)

A93 THE QUANTUM (OR Q-STICK). A PASSIVE ANTENNA BOOSTER PLUS ADVANCED Q-STICK DXING TECHNIQUES by Jerry Thomas(8)

A94 THE MWDX-6 PHASING UNIT by Mark Connelly(24)

A95 DL-2 DELAY LINE PHASING UNIT by Mark Connelly(10)

A96 TWO REMOTE ACTIVE ANTENNAS - RL-1 REMOTELY TUNED LOOP AND RW1 REMOTELY TUNED WHIP by Mark Connelly(15)

A97 INVESTIGATION OF REGENERATIVE TUNER DESIGN THE MWT-3S by Bruce Conti -edited by Mark Connelly(6)

A98 TEST REPORT - THE JPS ANC-4 ANTENNA NOISE CANCELLER by Mark Connelly(3)

A99 LOOP SHOWDOWN KIWA VS RSM-105 by Mark Connelly(4)

A102 DXP-1 DXPEDITION PHASING UNIT Mark Connelly Construction Details and use. (9)

A103 EXPERIMENTS WITH REMOTE ANTENNA TERMINATION Mark Connelly Construction Details and use. (2)

A104 DCP-2 DUAL CONTROLLER PHASER Mark Connelly Construction Details and use. (11)

A105 THE KIWA POCKET LOOP ANTENNA by Guy Adkins Review of this portable antenna (1)


A108 Coupling an external loop antenna to the DX-390 receiver by Hans K. Schellenberg (1)

A109 Is your coaxial lead-in actually an antenna? by John H. Bryant with Bill Bowers. (5)

A110 A Beverage on the Beach: by Rick Cenneally (3)

A111 Testing Two (KAZ) Squashed Delta Antennas: by John Bryant A comparision of the (KAZ), the (Super KAZ), and the (K9AY) Antennas.(5)

A112 Pennant and KAZ Antennas Tests by Mark Connelly More comparative testing. (4)

A113 Pennant Antenna Review and Impressions by Ken Alexander An independent test from Ontario. (3)

A114 THE KWA POCKET LOOP ANTENNA by Guy Adkins Review of this portable antenna (1)

A115 DXP-2 DXpedition Phasing Unit by Mark Connelly (7)

A116 DX'ing over your shoulder by John H. Bryant. Placement and use of Beverage Antennas as
bi-directional Dxing aids (4)

A117 Pre-Amp Peregrinations John H. Bryant and Mark Connelly, Adventures with RF Pre-Amps by Advanced Receiver Research and DX Engineering. Review and modifications. (4)

A118 Rolling Your Own by John H Bryant and Bill Bowers. Building antenna splitters that perform better than most commercial units. (7)

DOMESTIC DX

D2 IT TAKES TWO TO VERIFY, PLUS HELPFUL HINTS. J. Murley and R. Schiller respectively. Article on the station’s attitude toward reception reports and veteran DX’er Schiller’s tips on increasing your returns. (4)

D3 THE DX TEST FROM A STATION'S VIEWPOINT. Bill Croghan. Hints from a broadcaster arranging DX tests and obtaining more verifications. (1)

D4 WHAT IS A PRE-SUNRISE AUTHORIZATION? R. J. Edmunds. An Explanation of psra’s. (3)

D5 LONG DISTANCE RECEPTION OF DX TESTS. F. Dailey. Proven techniques. (1)

D6 MAKING THE BEST OUT OF PREPARED-CARD VERIES. Kelly Andrews. The verie collector’s last resort, with numerous samples. (3)

D9 THE NSP SITUATION. J. Starr. A look at this problem from the broadcaster’s side of the fence. (2)

D10 DX FROM THE TWILIGHT ZONE. P. Sullivan. Sunrise and Sunset Skip explained (4)

D11 GRAVEYARD DX, R. Foxworth, with additions by M. Levintow. DX’ing the local channels with results. (15)

D12 CANADIAN FAMILY LIFE...IT’S TWINS. J. Oldfield. Explains station “families” in Canada. List of Station groupings as of 1980 (3)

D13 THE POST-SUNSET AUTHORITY, A DAYTIMER’S DILEMMA Jerry Starr. A discussion on “PSSA’s”. (4)

D16 SUNRISE SKIP. R. Kramer. Practical how to info. includes pre-sunrise authorities (psra), station allocations on clear channels and auroral effects. (7)

D17 THE WORLDS HIGHEST-POWERED STATIONS. Mike Burden. From Radio Luxembourg’s 1933 150KW transmitter to the mega-watters of today, includes WLW, Doc Brinkley, and more. (3)

D18 QSL’ING THE LOCALS. Skip Arey. Extracting veries from your local stations. (1)

D19 HOW TO “UP” YOUR TOTALS! John J. Rieger. An antidote to “DX burnout” and proof that there is DX after the first 1000 catches! (3)

D20 WHO’S ON FIRST? Bruce Conti. Who was the first broadcasting station in history... ? (4)

D21 WHAT MAKES FOR A DX TEST? Wayne Heinen. A look at what happens at a radio station during a DX test (1)

D22 FORMAT FUTURES. Chris Cuomo. What radio formats may look like in the 1990s. (2)

D23 SATELLITE PROGRAMMING. Ed Ryan. A look at how it works. (2)

D25 A SEVENTEEN-POINT PLAN FOR AN IMPROVEMENT. Doug Smith. A fix to the AM broadcasting service as we know it? (3)

D26 ONCE UPON A TIME. Ben Dangerfield. What hap-pened years ago in DX, the NRC, and the world! 1963 was an amazing year. (3)

D27 THE STEVENSON LOG. Gene Martin. The Broadcast Band in February 1926. (1)

D28 SUNSET DXING FROM THE WEST COAST. Guy Kudlemyer. Becoming a pro at catching stations at sunset.6)

D29 DXing Tips Using Satellite Services. D. Schmidt (2)

D30 TRAVELERS INFORMATION STATIONS. Rules and Regulations governing these numerous low-power broadcasters. (2)

D32 U. S. A. DIGITAL RADIO (IN-BAND, ON-CHANNEL). Official descriptions. (6)

D33 BAD WEATHER! USE IT TO YOUR ADVANTAGE. by Dave Schmidt. (2)

D34 PIRACY ON THE MEDIUM OR HIGH FREQUENCY-SEAS (AND NOT WALK THE PLANK) by John D. Bowker. (5)

D35 DXing the Graveyard Channels, by Les Rayburn N1LF. This is an excellent article for both novices and experienced DX’ers for DXing the crowded Local Channels “Graveyard Channels” 1220, 1240, 1340, 1400, 1450 and 1490. Les delves into the many techniques that various DX’ers use in trying to improve their DX on these crowded channels in this day and age. (13)

D36 QSL’ing from the Other Side by Les Rayburn N1LF. Les details the problems and pitfalls that are experienced by the personnel who answer the variety of reports submitted to stations. Written about the WDAB DX Test, the information is pertains to everyone who wished to collect radio station verifications. (4)

FOREIGN DX

F1 DXING CENTRAL, SOUTH AMERICA AND THE CARIBBEAN. Mark Connelly. Listings, by frequency, of the best bets from these areas, along with the original Connelly, DeLorenzo, Kazaross article DXing Latin America and the Caribbean. (9)

F2 TA TIPS FOR BEGINNER. Dave Yocis. Your first Trans-Atlantic receptions ! (2)

F3 PORTUGUESE FOR DX’ERS. R.Schatz. Describes the important features of this language. (2)

F4 TA DX’ERS GUIDE TO SUNRISE-SUNSET TIMES. Mark Connelly. Reference to SRS-SSS
times with extensive tables for many locations. (4)

**F5 HUNTING LATIN BY MUSIC.** R. Schatz. Describes types of LA music from various countries and how to ID stations using this information. (5)

**F6 ZONAL-ANALYSIS APPROACH TO TA DX.** Mark Connelly. A systematic method of grouping TA countries to help the DX'er recognize different types of openings and improve TA reception. (4)

**F7 ZONAL-ANALYSIS APPROACH TO PAN-AMERICAN DX.** Mark Connelly. Similar to F6, with the emphasis on the Eastern U.S. loggings of LA and South American stations. (5)

**F8 STATION IDENTIFICATION.** Tips on how to ID stations in nearly 50 languages! (2)

**F9 SOME EASY TA'S.** Dallas Lankford. (2)

**F10 ID'ING JAPANESE BROADCAST STATIONS.** Charles Taylor. Hints to help, without actually knowing the language! (2)

**F12 COMMON SENSE TA DX STRATEGY.** Mark Connelly. Practical hints are given for hearing Trans-Atlantic stations. (2)

**F13 THE ODDS ON EVEN TA'S.** Mark Connelly. The possibility of hearing TA's on channels shared with domestic stations. (10)

**F14 YOUR FIRST 30 COUNTRIES IN ENGLISH.** Mark Connelly. Listed by country. (3)

**F15 CARIBBEAN MW DX GUIDE.** Mark Connelly. Listed by country. (4)

**HOBBY REFERENCE LISTS**

Some reprints formerly in this section are found in *Station Location Mapbook* (SLM)

**HRL1 National Radio Club Common Abbreviations List** (6)

**HRL2 Cuban Medium-Wave Broadcast Stations** (List revised 11/2005) (3)

**HRL3 U.S. Postal Service 3 digit ZIP codes** (2)

**HRL4 North American Time Zones to UTC Conversion Chart.** (1)

**HRL5 Frequency and Power Relationship Chart.** Shows average coverage radius for various powers at BCB frequencies. (1)

**HRL8 NRC Countries List edited by Al Merriman** (2)

**MISCELLANEOUS ARTICLES**

**M1 LOCAL SIDEBAND SPLASH: HOW MUCH IS TOO MUCH?** G. P. Nelson. This article describes FCC regulations on sideband radiation on the Medium Wave band and types of station-originated spurious radiation. (1)

**M2 MODULATION ARCING.** J. Starr. Describes a frequent but rarely discussed cause of medium wave interference originating at the station. (1)

**M3 SUNRISE-SUNSET TABLES.** G. P. Nelson. These charts allow determination of accurate time of sunset and sunrise at any point in the world on any date. (9)

**M4 RF INTERFERENCE AND THE HOME COMPUTER.** Bill Krause, ANARC. Home computers will cause interference on your DX rig unless precaution are taken; solutions are discussed. (2)

**M5 UNRESTRICTED RADIATION.** G. P. Nelson. Discussion of carrier current stations and how to hear them. (3)

**M6 RF POLLUTION.** G. Hauser. General discussion of the radio interference problem and steps necessary to control it. (2)

**M7 PATTERNS, PARTS I, IIA, IIB.** P. Hart. These articles explain in detail what patterns mean and understanding their relationship to DX'ing! (34)

**M9 MORE ON HOW DIRECTIONAL ANTENNA PATTERNS ARE PRODUCED.** Wes Boyd. Supplementary information to the articles contained in the 1980 edition of the *NRC Night Pattern Book*. (1)

**M10 SUPERMODULATION AND EFFECTS ON DX'ING.** Steve Kennedy. Discussion on the problem and its affect on DX'ing. (3)

**M11 TERRAIN CHARTS FOR PROPAGATION PREDICTIONS.** M. Connelly. This article details how to prepare a chart of a DX'er's surrounding terrain which can help enhance or diminish reception. (3)

**M12 NOISE LEVELS AND USABLE RECEIVER SENSITIVITY.** C. Hutton. Technical Discussion of the effect of noise on receiver sensitivity. (5)

**M13 GREAT CIRCLE CALCULATIONS REVISITED.** Mike Tuggle, with an addendum by R. N. Allen. An explanation, how to figure distance and direction of stations mathematically, with a computer program to figure the Great Circle paths. (4)

**M17 SOME THOUGHTS ON INTERFERENCE.** Skip Arey. A simple modification to eliminate noise from light dimmers. (1)

**M18 MANMADE INTERFERENCE ON THE BCB.** Dallas Lankford. A systematic approach for evaluating a current or future DXing location in terms of man-made noise levels. (3)

**M20 THE LOG BOOK.** John J. Rieger. Organizing your log book. (3)

**M23 WBWW RADIO: YESTERDAY AND TODAY.** Chuck Schaden. A book review (1)

**M25 MUSIC IN THE AIR,** by Philip K. Eberly. Reviewed by Armand DiFilippo. (1)

**M30 THE GOLDEN AGE OF DX'ING.** John Clements. Were the years 1969 thru 1975 the Golden
Age of DX’ing? You decide. (4)

M31 ALL ABOUT WAVELENGTH. John D. Bowker. Wavelength versus frequency. An explanation. (2)

M32 STANDARDS TIME AND FREQUENCY. via Pete Kemp. Time and frequency stations located on longwave. List by frequency. (3)

M33 AM RADIO IN HIGH FIDELITY. John D. Bowker. Find out the reason why AM sounds so bad and what can be done to fix it. (1)

M34 MYSTIQUE OF THE THREE-LETTER CALL. Thomas White, via CompuServe, via Pete Kemp. The Historic Roll Call and Current Status. (12)

M35 NOISE Some Causes and Some Cures. Wayne Heinen (4)

M37 FOUR SOFTWARE PIECES FOR MW DX’ers G. Kudlemeyer. Review of programs for Macintosh Computer Owners. (6)

M38 PIONEER BROADCASTING STATIONS IN THE US. Thomas White A comprehensive history of U. S. Radio including the oldest 127 stations still in operation with starting dates. (12)

M39 AN INTRODUCTION TO LONGWAVE DXING by Shawn Axelrod (3)

M40 AM RADIO IN HIGH FIDELITY. John D. Bowker. Find out the reason why AM sounds so bad and what can be done to fix it. (1)

M41 A BEGINNER’S GUIDE TO THE IONOSPHERE. Fr. Jack Pejza. This article explains the processes which change the ionosphere and the effects of these changes on radio wave propagation. (10)

M42 BCB RECEPTION DURING PERIODS OF HIGH AURORAL ACTIVITY. G. P. Nelson. Comprehensive article describing the factors which influence radio wave propagation and reception during the late morning and early afternoon hours. (16)

M43 LIMITATION ON THE USE OF THE A-INDEX. G. P. Nelson. An explanation of the A-index as a DX’ers tool. (3)

M44 SKYLINE BLOCKAGE. Fr. Jack Pejza. Mathematical derivation of the formulas needed to calculate the effect which terrain has on signals. (10)

M45 HORIZON BLOCKAGE: CAN FRESNEL DIFFRACTION BE IGNORED? G. P. Nelson. This article shows how signals that should be blocked by the horizon can sometimes be heard. (10)

PROTESTATION


P2 SOLAR CONTROL OF DAWN E-BLANKETING ON THE MW BCB. G. P. Nelson. Explains how the position of the sun controls the fadeout time of TA’s and TP’s. (3)

P3 EAST-WEST SYMMETRY AND THE FADE-IN PROBLEM. G. P. Nelson. Explains how the sun controls the fade-in times for MW stations. (2)

P4 SUMMER RECEPTION ON THE BROADCAST BAND. G. P. Nelson. First article describing the seasonal patterns in solar terminator location which makes summer MW reception from deep South America and Africa possible. (3)


P6 THE LIMITS OF MIDDAY MW DX. G. P. Nelson. Comprehensive article describing the factors which influence radio wave propagation and reception during the late morning and early afternoon hours. (16)
TO CURE IT. G. P. Nelson and T. Holmes. Many excellent receivers are poorly designed for MW DX operation. This article describes one of the most common design faults and how to cure it. (4)

R6 ELECTRONIC VERNIER TUNING. R. Moore. Detailed instructions on how to fit a varactor to a MW receiver to provide fine bandspread. (4)


R10 UP THE CARRIER. W. Bailey. Dig the weak DX out of the mud with this form of exalted carrier reception. (1)

R11 PRECISION FREQUENCY MEASUREMENT. R. Schatz. How to use the frequency counter. (3)

R13 SINGLE SIDEBAND RECEIVING ADAPTERS. T. Sundstrom. How to sharpen your receiver’s IF bandpass using a B&W 370 receiving adapter. (2)

R14 REVIEW OF THE AUTEX Q-BOX. T. Sundstrom. Describes the uses of this noise filtering device and its applications in MWDX. (3)

R17 BUILD YOUR OWN AUDIO FILTERS. P. Sullivan. A technical theory and construction article on inexpensive homebrew audio filters. (7)

R19 A BRIEF REVIEW OF THE AUTEX QF-1 AUDIO FILTER. C. Hutton. A non-technical review of this noise and interference filter. (2)

R20 A FREQUENCY COUNTER FOR RECEIVER TUNING. R. Foxworth. A very thorough paper on digital readouts and what to look for in various models. Discusses technical theory and provides circuitry to enable the Experimenter to build a counter for use as a “digital dial”. (13)

R22 THE LYNODYNE CRYSTAL WIRELESS RECEIVER. R.W. Tuggle. The concepts of vintage crystal radio are incorporated in these construction plans for a simple receiver, offered as a sporting alternative to modern receivers; yet it has the potential for real DX. (4)

R23 DIVERSITY RECEPTION. C. Hutton. Using more than one antenna and receiver in an effort to reduce fading and interference on one frequency. (1)

R24 TIPS ON REMOTE TAPING. R. J. Edmunds. This article explains several methods you can use to turn your receiver and recorder on while you are otherwise occupied. (2)

R25 STRONG SIGNAL HANDLING. C. Hutton. This technical article explains that sensitivity and selectivity are not the only, nor the most important, considerations in a receiver. (6)

R26 RECORDING JACKS FOR RECEIVERS. Dave Arbogast. A simple step-by-step procedure is outlined for adding a tape jack to almost any receiver. (1)

R27 TAPE RECORDING HINTS. Mark Connelly. A complete method of radio-to-tape interfacing for portable radios is detailed, complete with schematics and parts lists for construction. (4)

R28 CONVERTING THE R-390A POWER SUPPLY TO SOLID STATE. Charles Taylor. A conversion process to change the older high voltage tubes to solid state diodes is described step-by-step. (7)


R30 MCKAY-DYMEK DP-40 PRESEQUETER. R. Foxworth. A non-technical description of this useful filter accessory plus some modifications to improve its performance. (2)

R31 THE SUPER HQ-180. Dallas Lankford. Add a Collins mechanical filter to your “180”. While not a “how-to” article, problems and results are discussed. (4)

R32 HQ-180A ALIGNMENT WITHOUT A 60 KHZ SOURCE. Dallas Lankford. Although most RF signal generators do not tune below 100 KHz., the HQ-180A’s 60 KHz IF can be aligned with a 455 KHz RF source. (4)

R33 R-390A/URR PTO ALIGNMENT. Dallas Lankford. The alignment procedure to achieve exact end-point alignment in the R-390A PTO tuning is detailed. See R34. (3)

R34 INSIDE THE R390A PTO. Dallas Lankford. An in-depth article that explores the PTO tuning in the R-390A and shows how to improve its performance up to specifications. See R33. (4)

R36 THE BBA-1 BROADCAST AMPLIFIER. Mark Connelly. A simple and other antenna. Complete construction details. (11)

R37 THE GENERIC HQ-180 IF ALIGNMENT. William Marvin. A non-technical procedure that requires no test equipment. (4)

R38 VARACTOR DIODE APPLICATIONS FOR DX’ERS. Mark Connelly. Discussion of the Advantages and disadvantages of substituting the varactor diode for the variable capacitor in various DX projects. (10)

R39 A”KNOCK-YOUR-SOCKS-OFF” REGENERATIVE PREAMP. Ray Cole. A simple-to-build preamp that promises to nearly double your receiver’s ability to dig weak signals out of the noise. (1)

R40 NOISE AND SIGNAL LEVELS ON THE BCB. Marc Bergman. How much sensitivity does a receiver need? A practical view of signal level vs. BCB noise levels (15)

R43 CERAMIC FILTERS. Marc Bergman. A listing and description of the most commonly available ceramic filters, with data from tests. (9)

R44 THE HQ-180 SERIES RECEIVERS SENSITIVITY TEST. Dallas Lankford. A simple diagnostic test. (2)

R46 SURPLUS MECHANICAL FILTERS. Marc Bergman. Test results of several reasonably-priced
and available mechanical filters. (3)

**R47 ADD A TUNING METER TO YOUR RECEIVER.** Ray Cole. Shows how to add a meter to your radio for accurate tuning. (1)

**R50 R71A SPEAKER MODIFICATION.** Herman Plew. Throw that sound in the right direction with this modification. No technical knowledge needed! (1)

**R51 SELECTIVITY VS. FIDELITY FOR THE DOMESTIC BCB DX’ER.** Neal A. Perdue. What is selectivity? What is fidelity? Why do you need both? (1)

**R52 YET ANOTHER USE FOR THE AUTEK RESEARCH QF-1A ACTIVE AUDIO FILTER.** Neal A. Perdue. Clean up your DX catch tapes, even old records with these techniques. (1)

**R53 THE RBL AND THE R-392/URR, A SYMBIOTIC RELATIONSHIP OR NEW USES FOR TEST POINT E203.** John H. Rose III. Technical article using these receivers in a series of experiments. (3)

**R54 COLLINS 51J4 REVIEW.** Dallas Lankford. A detailed review. (3)

**R55 COLLINS 51J4 TECHNICAL NOTES.** Dallas Lankford. A comprehensive technical review. (10)

**R56 MORE COLLINS 51J4 TECHNICAL NOTES.** Dallas Lankford. A continuation of Reprints R 54 and R 55 (4)

**R57 COLLINS R390A, THE WORLD’S BEST RECEIVER?** G.S. Mayard. This review gets into the details of another fine DX receiver. Technical. (6)

**R58 A SIMPLE HIGH-PASS AF FILTER.** Gerry Thomas. Hear those “in-the-mud” stations better on that speaker. (1)

**R59 R-5000 MODIFICATIONS.** Eric Roskos via Peter Kemp. (3)

**R60 COMMENTS ON G. MAYNARD’S SYNCHRONOUS DETECT.** Wayne Heinen. This reprint should be used in conjunction with reprint R-57. (1)

**R61 ADD A Q-MULTIPLIER & A SB-620 TO THE R390A.** Wayne Heinen. (1)

**R62 PHASING UNIT DESIGNS: SIMPLE TO COMPLEX.** Mark Connelly. (5)

**R63 HQ-180 AGC MOD.** Dallas Lankford. AGC overshoot on the HQ-180 can be cured. (1)

**R64 51J/R-388 BAND 1 MOD AND AGC MOD.** Dallas Lankford. Increases MW sensitivity. (1)

**R66 R390A AGC/BFO MODS.** Dallas Lankford. Technical article. (4)

**R67 R390A KHZ FILTERS FOR THE HQ-180.** Dallas Lankford. How to use Collins DB filters in your HQ-180 receiver. (2)

**R68 R-390A AUDIO OUTPUT IMPEDANCE MATCHING.** Dallas Lankford. Improve the audio quality of your R-390A. (2)


**R70 NRD-525 AGC Mod. & AGC Mod 2** Dallas Lankford (6)

**R71 DRAKE R-8 MW ATTENUATOR MOD.** Dallas Lankford. (1)

**R72 MODIFICATIONS FOR THE NRD-525.** John R. Tow (5)

**R73 HOTRODDING THE RADIO SHACK 12-625.** Ray Cole (1)

**R74 COLLINS TORSION MECHANICAL FILTER FOR THE R-390A.** D. Lankford (7)

**R75 DRAKE R-8 TYPE B SPURS ELIMINATION.** D. Lankford (3)

**R76 DRAKE R-8 INCREASED DYNAMIC RANGE.** D. Lankford (4)

**R77 MODIFICATIONS FOR THE SANGEAN ATS-803A.** G. Maynard (3)

**R78 IMPROVEMENTS TO REGENERATIVE RECEIVER DESIGN** by Mark Connelly (2)

**R79 R-390A WON’T TURN OFF AGAIN (?)** by Dallas Lankford (2)

**R80 NRD-525 FILTER MODS** by Dallas Lankford (7)

**R81 DRAKE R-8: ENCODER SHAFT STATIC ELIMINATION.** by Dallas Lankford (1)

**R82 DRAKE R-8: LOW HEADPHONE VOLUME & BROKEN FEET** by Dallas Lankford. Cures for Same! (1)

**R83 RACAL RA6790GM NOISE BLANKER NOTES** by Dallas Lankford. (6)

**R84 DRAKE R8 MORE ON IMPROVING IMAGE REJECTION** by Dallas Lankford (5)

**R85 R-390A FILTER MOD #3 by Dallas Lankford** (3)

**R86 Drake R8: More on improving image rejection** by Dallas Lankford (3)

**R87 Adding an AM FET Frontend to your low-priced portable** by Jeff Sparks (4)

**RECEIVER REVIEWS**

**RR1 RECEIVER COMPARISONS - WHAT DO THEY MEAN?** R. J. Edmunds. Certain problems arise when comparing product summaries and receiver reviews. The author explores these comparisons with an emphasis on MW DX. (2)

**RR2 QUALITATIVE REVIEW OF THE YAESU FRG-7 RECEIVER.** G. Hauser. A non-technical review (3)

**RR5 BARLOW-WADLEY XCR-30.** M.Hardester. (2)

**RR8 MCKAY-DYMEK DR-22** J. Clements. A non-technical pre-production review. (3)

**RR9 ICOM IC-R70 COMMUNICATIONS RECEIVER.** Vincent Pinto. An in-depth, technical review. (9)
RR10 THE GE SUPERADIO-CASSETTE. Michael Sapp. The GE Superadio with an integral tape recorder. (4)
RR13 THE SONY SRF-A100. Greg Monti and Albert S. Lobel. Two looks at this AM-stereo portable receiver. (5)
RR14 THE ICOM IC-R71A RECEIVER - From the Australian DX CALLING Magazine. User review with commentary. (7)
RR15 UNIDEN CR-2021 VS. SONY ICF-6500W Gerry Thomas. A Comparison. (3)
RR16 NRD515 Review by Bob Foxworth. (7)
RR18 SURVEY OF HAMMARLUND RECEIVERS. Dallas Lankford. A summary of the full line of Hammarlund receivers suitable for BCB DX; with comparisons, modifications and hints when purchasing one. (7)
RR19 KENWOOD R-5000. Don Moman. Includes performance results against the ICOM R71 and SONY ICF-2010. (5)
RR20 THE GE SUPERADIO-PLUS. Dick Truax. User first impressions and opinions. (1)
RR22 DENON AM-FM TUNER, MODEL TU-800. Doug Allen. A great radio for FM DX’ing! (2)
RR23 ICOM IC-R70, A QUICK REVIEW, John J. Rieger. Non-technical review. (2)
RR25 REALISTIC 12-625 Ray Cole, Paul Swearingen, César Obijo. (4)
RR28 REALISTIC DX-440 VS SONY ICF-2010. Mark Connelly. An MW DX evaluation of these two popular portable receivers. (2)
RR29 DRAKE R-8 Reviews by Rob Keeney, John Tow, Dallas Lankford and Ronald Hunsicker. (18)
RR30 GE SUPERADIO III, Gerry Thomas (2)
RR31 The NRD 525 - A TECHNICAL REVIEW. D Lankford (7)
RR32 NRD-525 FILTER LEAKAGE. Continuation of RR31 D. Lankford (5)
RR33 RECEIVER SHOWDOWN Comparing ICOM R-9000, R-71A / JRC NRD-525D / Drake R-8 and Collins R-390A by Gerry Thomas (6)
RR34 THE DENON TU-680 NAB “SUPER RADIO” (2)
RR35 RA 6790/GM: A REVIEW. Dallas Lankford - 1993 (8)
RR36 SONY SRF-42 AM STEREO WALKMAN REVIEW. Frank Aden, Jr. (1)
RR37 PANASONIC RQ-V60 REVIEW. John Hanz. (1)
RR38 RAMSEY AM-1 TRANSMITTER KIT - REVIEW. Christopher Cuomo. (3)
RR39 REVIEW of the SANGEAN CC RADIO. Paul Swearingen et al. (6)
RR40 AOR - AR 7030 Receiver review by Guy Atkins (13)
RR41 THE HENRY KLOSS MODEL ONE RADIO Receiver Review by Philip Marinaccio(1)
RR42 A review of the Sangean ATS-505 by Russ Johnson (1)
RR43 The Palstar R30 General Coverage Receiver by Gerry Thomas. A review from a MW DXers viewpoint.(8)

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