

DXN News

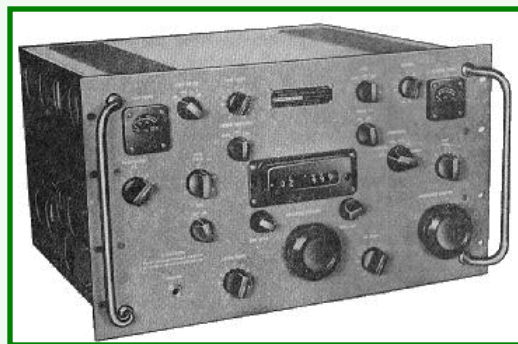
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Volume 74, No. 18 • February 5, 2007 • (ISSN 0737-1659)



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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, not "Harrison" as reported last week. One new member this week: Robert Compton, Breiningsville, PA.

DX Time Machine

From the Pages of DX News

50 years ago ... from the February 2, 1957 DXN: The initial report from new member Wendell Boydan, 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.

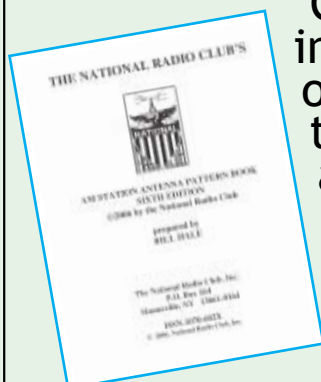
10 years ago: ... from the February 17, 1997 DXN: IDXN editor Jim Renfrew commented: "Jean Burnell appreciated my recent comment that 99.99% of the world doesn't care about stuff that can be found in IDXN. But he points out that 0.01% of the earth's population is still 10,000 times the NRC's membership. Well, I'm not discouraged by this fact; it simply illustrates how much more the NRC can grow!"

The NRC AM Station Antenna Pattern Book

This Sixth-Edition Antenna Pattern Book now includes daytime and "Graveyard" frequency patterns for the first time. 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. All data is up-to-date as of November 1, 2005. Prices: \$16.95 to USA/Canada NRC members, \$22.95 USA non-members, \$25.95, Canada non-members/all overseas orders. Order from NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)






AM Switch

Bill Hale w_r_hale@sbcglobal.net
6124 Roaring Springs Drive
North Richland Hills, TX 76180-5552



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

CALL LETTER CHANGES

	<u>Old Call</u>			<u>New Call</u>	
910	WFVR	GA	Valdosta	WRFV	
			[station has a CP to move to Wellborn, Florida with U4 35000/5000]		
910	KXEB	TX	Frisco	KATH	
			[reflecting their change to Relevant Radio, a Catholic format]		
1230	KPSA	NM	Roswell	KBCQ	Dynamite Country Radio
1240	WCNM	ME	Lewiston	WEZR	
			[frequency correction from Issue 17]		
1330	WFGO	PA	Erie	WFNN	
1590	NEW	HI	Hilo	KIXC	KDYN
1660	KXTR	KS	Kansas City	WDAF	FM 97 - AM 1540
			("Classical 16-60, KXTR", as it still announces in its promos, is still programming classical music as of January 27, and the 106.5 facility, now "The Wolf" with modern c&w continues to use the "WDAF-FM" calls -pls.)		

CPs ON THE AIR

1560	KVAN	WA	Burbank - 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.
1570	KPYK	TX	Terrell - 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.

GRANTS FOR NEW STATIONS

1590	NEW	AL	Opp - 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.
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ACTIONS

630	WNEG	GA	Toccoa - CP granted for U1 5000/44.
1180	WFYL	PA	King of Prussia - 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.
1500	WICY	NY	Malone - 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.
1610	CHAA	ON	Toronto - 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.

AMENDMENTS TO CONSTRUCTION PERMITS

1130	WEAF	SC	Camden - Licensed for U1 1000/7, WEAFF 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.
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APPLICATIONS

580	KSAZ	AZ	Marana - 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) 12 th edition of the <u>Vane Jones North American Radio-TV Station Guide</u> shows 580 licensed to Tucson as KIXK. Gee, I miss the VJ book!
900	WUAM	NY	Saratoga Springs - Applies to change their CoL to Watervliet, New York with U1 400/75.
1050	WFED	MD	Silver Spring - Applies for a daytime power increase to be U1 3500/44.

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.
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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.
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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 Crabill, Bill Dvorak, Wayne Heinen, and Deane McIntyre.**

GRAVEYARD DX UPDATE

<u>1230 kHz:</u>							<u>Miles</u>
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

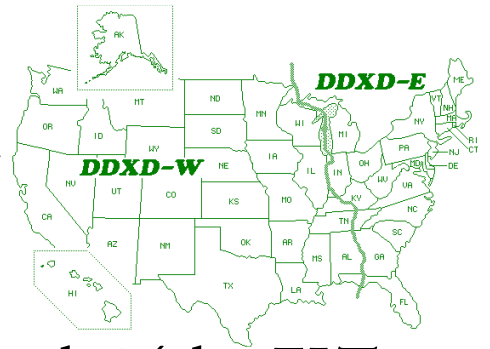
1340 kHz:

WOUB	OH	Athens	Ron Bailey	Shelby, NC			286
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Domestic DX Digest

West: Bill Dvorak westlogs@aol.com (Division line
3358 Ridgeway Ave. - Madison, WI 53704-4327 is between East
and Central time
zones)

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. **73 Bill**

Reporters

- BA-CO** **Brian Avery, Fruita.** Grundig YB400 PE radio with a RS 15-1853 external loop antenna.
- DP-HI** **Dale Park, Honolulu.** Sangean ATS-818CS, Terk AM1000 loop.
- 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.
- JJR-WI** **John J. Rieger, South Milwaukee.** Icom IC-R75, Kiwa loop, MFJ-959B tuner-preamp.
- 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**)

Regular DX Loggings (times in ELT)

- 560 KLZ CO Denver. 1/20 2318. "Z-560" and "The new KLZ-56 Denver." Sports commercials and "The Recap Show." Fair to good. **(BA-CO)**
- 590 KSUB UT Cedar City. 1/20 2328. "Talk Radio 590 KSUB" at BoH. Fair to good. **(BA-CO)**
- 630 KHOW CO Denver. 1/20 2340. "Denver's Talk Station." Kim Commando show. 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 KKOB NM Albuquerque. 1/21 0030. "770 KKOB." News, "Coast to Coast Live" program, commercials for "Bob Turner's Food Country." Good. **(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)**
- 800 KQCV OK Oklahoma City. 1/17 0729. Poor. "AM 800 Bott Radio Network" plus FM frequencies, ads, "Bott Radio Network" jingle. Only Google match. **(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)**
- 910 KCJB ND Minot. 1/23 1932. "Classic Country 910 KCJB Minot, North Dakota." Good, some QRM. (New) **(BA-CO)**
- 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)**
- 950 KKFN CO Denver. 1/23 0045. "Sports Radio 950 the Fan." Sports highlights, scores, "Hangtime" program. Fair. **(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)**
- 1030 KTWO WY Casper. 1/19 2245. "K-2 Radio." Glenn Beck program. 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)**
- 1130 KWKH LA Shreveport. 1/23 0135. C&W, "Home of the Legends" slogan. Lost into the soup at 0139. Fair. (New) **(BA-CO)**
- 1200 WOAI TX San Antonio. 1/22 2210. "Spurs Radio 1210." Sports scores, recap of Spurs vs. Celtics game (93-89). Good. **(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)**
- 1440 KMAJ KS Topeka. 1/22 2227. "Topeka's Home for News, Talk, and Sports (K-M-A-J jingle)" at BoH. Talk with "Churchill Mortgage." Some ESPN Radio underneath. Poor to fair. (New) **(BA-CO)**
- 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 QRM 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 QRM 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. **(JJR-WI)**
- 1590 KVGB KS Great Bend. 1/22 2225. "Home for news and conversation, 1590 the Talk of the Town." Fox Sports talk. (New) **(BA-CO)**

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' bow-tie
- 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

Expiring? 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!

UNID

- 1630 - 1/23 0805 - Spanish singing by what sounded like a choir way 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)**
- LOGGINGS
- 540 WWCS PA **Canonsburg** - 1/20 0120 - Good; "AM 540 Radio Disney Pittsburgh" ID. **(BC-NH)**
- 700 WDMV MD **Walkersville** - 1/25 1700 - Good; IDs as WDMV Walkersville-Washington and "DC 700, Washington's Business Radio," local talk. **(BC-NH)**
- 740 KRMG OK **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)**
- 780 WBBM IL **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". **(MKB-ON)**
- 830 WCCO MN **Minneapolis** - 1/25 2325 - Good in local WCRN null; callsign jingle, what sounded like a loon sound effect, and sports talk. **(BC-NH)**
- 910 WABI ME **Bangor** - 1/25 1945 - Good; local interview program, "WABI 910" and "Voice of Maine" IDs. **(BC-NH)**
- 930 WLLL VA **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)**
- KWOC MO **Poplar Bluff** - 1/23 0800 - Station ID given at the top of the hour followed by ABC news with Doug Limerick, briefly in. **(RP-IN)**
- 950 WXGI VA **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)**
- 1060 WKNG GA **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)**
- 1080 WOKT KY **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 & WWNL. KY #25. **(HF-MI)**
- WWNL PA **Pittsburgh** - 1/23 1642 - Religious call-in program. 1700 ToH ID, "WWNL Pittsburgh, radio that changes the way you think"; into Jewish program. Taking turns on top w/WTIC & WOKT. **(HF-MI)**
- 1130 WYXE TN **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)**
- 1270 CFGT QC **Alma** - 1/25 1740 - Talk in French parallel *Radiomédia* network flagship 730 CKAC; over CJCJ. **(BC-NH)**
- 1280 WJST PA **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)**
- 1290 CJBK ON **London** - 1/19 2120 - Good; London Knights vs. Belleville Bulls Ontario Hockey League coverage. **(BC-NH)**
- 1330 WHBL WI **Sheboygan** - 1/22 1730 - over now-oldies WFNN with promo for Rush Limbaugh "weekdays on news radio 1330 WHBL" into local news. **(MKB-ON)**
- 1420 WTCR WV **Kenova** - 1/19 0330 - Assorted bluegrass music followed by a nice clear ID "WTCR Americana 1420". Completely dominating the frequency. New here. **(GW-NJ)**
- KTOE MN **Mankato** - 1/25 1820 - MN State promo; many local ads. Over/under WHK.

- Still waiting for Idaho to waft in. **(HF-MI)**
- 1500 **KSTP MN St. Paul** - 1/20 0833 - obliterating usual WTWP/WLQV mix with local weather, "it's partly cloudy and 5 above now at The Talk Station AM 1500 KSTP", McGruff the Crime Dog anti-bullying PSA. **(MKB-ON)**
- 1550 **WIRV KY Irvine** - 1/22 1806 - Oldies song "This Diamond Ring" by Gary Lewis and the Playboys, followed by station promo mentioning "Tri Cities Network" and followed by 3 station IDs WIRV, WAKY and ? Couldn't get the last one, very poor signal in the mess. 1st time heard. **(RP-IN)**
- 1560 **WAGL SC Lancaster** - 1/23 *0716 - Heard at station sign on "WAGL with the power of 50,000 watts begins its broadcast day" Then into a local weather report. No SSB heard at s/on. **(RP-IN)**
- 1620 **WTAW TX College Station** - 1/22 0820 - Morning drive time chatter between two males, followed by ad for Amish Furniture then station id "WTAW 1620 news time is 7:30" followed by local Bryan, TX news. Poor signal that was subject to quick fades mostly under my pest WWLV. **(RP-IN)**
- 1630 **KKGM TX Fort Worth** - 1/23 0848 - Gospel song heard titled "Jesus my Lord" followed by man saying "Good Morning, KKGM" as he was answering a phone call from a female listener, signal faded up briefly trumping KCJJ's dominant presence then quickly faded out. **(RP-IN)**
- 1700 **KBGG IA Des Moines** - 1/19 2155 - Good; relaying 94.9 KGGO Des Moines with hockey play-by-play. **(BC-NH)**

International DX Digest

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

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

Transatlantic DX

- 171 **MOROCCO** *R.Mediterranee Internationale*, 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]
- 927 **BELGIUM** *VRT Radio Een*, 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]
- 1062 **DENMARK** *Danmarks Radio*, Kalundborg (55°40'N 11°04'E) JAN 25 2233 - Good; folk/rock vocals. [Conti-NH]
- 1116 **SPAIN** *SER* synchros JAN 25 2315 - Excellent; telephone talk in Spanish. [Conti-NH]
- 1179 **SWEDEN** *R.Sweden International*, Sölvesborg (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]
- 1206 **FRANCE** *France Info*, Bordeaux (44°57'N 00°11'W) JAN 26 2155 - Good; telephone discussion in French. [Conti-NH]
- 1215 **UNITED KINGDOM** *Virgin Radio* synchros 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]
- 1224 **SPAIN** *Herri Irratia*, Donostia-San Sebastián JAN 26 2210 - Tentative; talk in Spanish, not parallel other *COPE* frequencies. [Conti-NH]

Pan-American DX

- 630 unID JAN 20 0600 - News in Spanish with *Rumbos*-like doorbells; under WPRO. [Conti-NH]
- 650 **COLOMBIA** *HJKH RCN Antena Dos*, Bogotá (04°34'N 74°04'W) JAN 20 0126 - Good; "¡Goooooal!" Argentina vs. Brazil in Paraguay 2007 fútbol tournament. [Conti-NH]
- 660 **MEXICO** *XEAR La Mexicana*, 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 treinta!" time check, and ranchera music. [Conti-NH]
- 670 **CUBA** *CMQ R.Rebelde*, 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]
- 760 **CUBA** *R.Progreso*, unknown location JAN 26 0325 - "Noches de la cuba" nostalgia program

under WJR, parallel 640, 730, and 890 kHz. Tip from Barry McLarnon on mIRC #mwdx. [Conti-NH]

- 790 **CUBA** CMAQ *R.Relej*, Pinar del Río (22°25'N 83°43'W) JAN 20 0440 - Dominant, woman with news items, well over domestics and weaker delayed *R.Relej* 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, Camagüey, 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 Música, 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 Frogge, 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

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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

<u>Colombia</u>		
VA 700 HJCX Cali (03°28'N 76°30'W)	2719	27
<u>Mexico</u>		
BCN 1700 XEPE Tecate (32°32'N 116°49'W)	2549	25
Tamps 660 XEAR Tampico (22°12'N 97°50'W)	2072	20
Total Points = 760		

Wayne Heinen, Aurora CO (39°39'N 104°46'W) Miles Pts

<u>Canada</u>		
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

<u>Mexico</u>		
Coah 720 XEDE Saltillo (25°26'N 100°53'W)	1005	10
DF 1220 XEB México (19°20'N 99°10'W)	1439	14
Sin 1260 XESA Culicán (24°49'N 107°29'W)	1034	10
Ver 720 XEAVR Veracruz (19°05'N 96°05'W)	1508	15

<u>United States</u>		
AR 730 KQPN W.Memphis (35°15'N 90°09'W)	858	8
GA 750 WSB Atlanta (33°51'N 84°15'W)	1203	12
IL 720 WGN Chicago (42°01'N 88°02'W)	891	8
KY 840 WHAS Louisville (38°16'N 85°26'W)	1044	10
LA 1680 KRJO Monroe (32°27'N 92°01'W)	868	8
MS 1640 WTNI Biloxi (30°28'N 88°51'W)	1099	10
MT 750 KERR Polson (47°39'N 114°07'W)	723	7
NV 750 KHWG Fallon (39°26'N 118°47'W)	748	7
OH 1530 WCKY Cincinnati (39°04'N 84°36'W)	1078	10
SD 930 KSDN Aberdeen (45°25'N 98°31'W)	510	5
TX 1700 KVNS Brownsville (25°57'N 97°33'W)	1032	10
WA 570 KVI Seattle (47°25'N 122°26'W)	1033	10
Total Points = 357		

Nancy Johnson, Billings MT (45°46'N 108°37'W) Miles Pts
Mexico

Longest Distances

- Richard Wood = 882 Saudi Arabia, 8851 mi.
- *Bruce Conti = 1431 Djibouti, 6868 mi.
- Dale Park = 810 New Zealand, 5035 mi.
- Nancy Johnson = 530 Turks & Caicos, 2676 mi.
- * Ineligible for prizes.
- † Hawaii combined with Pan-American.

BCN 1700 XEPE Tecate (32°32'N 116°49'W)	1012	10
Chih 1300 XEP Cd. Juarez (31°43'N 106°27'W)	976	9
DF 1220 XEB México (19°20'N 99°10'W)	1900	19
<u>Turks & Caicos</u>		
530 RVC S. Caicos (21°30'N 71°31'W)	2676	26
<u>United States</u>		
CO 1400 KWUF Pagosa Springs (37°15'N 107°01'W)	594	5
LA 870 WWL New Orleans (29°50'N 90°08'W)	1486	14
NV 870 KLSQ Whitney (35°59'N 114°57'W)	752	7
NM 1020 KCKN Roswell (33°28'N 104°30'W)	876	8
ND 600 KSJB Jamestown (46°49'N 98°43'W)	479	4
UT 1450 KZNU St. George (37°05'N 113°33'W)	651	6
Total Points = 249		

Dale Park , Honolulu HI (21°18'N 157°44'W) Miles Pts		
<u>United States</u>		
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
Total Points = 307		

John Wilkins , Wheat Ridge CO (39°46'N 105°05'W) Miles Pts		
<u>Cuba</u>		
GU 860 CMDB Baracoa (20°21'N 74°29'W)	2251	22
PR 790 CMAQ Pinar del Río (22°25'N 83°43'W)	1733	17
Total Points = 417		

Transoceanic DX

Bruce Conti , Nashua NH (42°43'N 71°31'W) Miles Pts		
<u>Spain</u>		
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
Total Points = 1098		

Dale Park , Honolulu HI (21°18'N 157°44'W) Miles Pts		
<u>Australia</u>		
QLD 630 4QN Townsville (19°31'S 147°20'E)	4657	46
<u>MHL</u> 1098 V7AD Majuro (07°09'N 171°12'E)	2292	22
<u>NZL</u> 810 4YA Dunedin (45°53'S 170°30'E)	5035	50
Total Points = 118		

73 and Good Luck!

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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?	

Antenna Reference Manual Volume 1 - Order Item ARM1 - 8th Printing Digitally Enhanced

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

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A set of 12 maps (8 1/2" x 11") with instruction sheet showing the average monthly sunrise/sunset times for the United States.

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Audio Cassette Magazines: Quantities are limited to Stock on Hand:

ALL RADIO - Volume I

An interview with Dave Graupner, CEO of TM/Century. John Bowker reads an article about Clear Channel Radio's competition. Ken Onyschuk reads an article from his newspaper about jazz radio in Chicago. John Malicky gives us a tour of 540-CBEF. Mark Durenberger tells us about some CBS Milestones. John Bowker talks about FCC rules and regulations. Fred Vobbe talks about D.R.M. A story about a group of people that are trying to get ads pulled out of the Russ Limbaugh show. Will Liberal Talk Radio work? From N.P.R., a piece on the consolidation of radio, and old time radio. Del Rio, Texas, is looking to give Wolfman Jack a tribute. Fred Vobbe reads two stories on EAS fines and regulation. Fred talks with Leonard Kahn, of Kahn Communications about digital MW radio.

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 WYSL, 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 and operated station. WWTC in Minneapolis and their "All Kids" "Radio "Ah's" format. Chicago's "Voices of the Night" and much more.

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

Two 90 minute cassettes in a plastic album. The 1400 "Travellog" by John Bowker. "Radio Bemis". "Filing your Comments with the FCC". "Sex and Deception", The Dr. Laura scandal. "Screening Calls" An AP article about screening your phone service. "Selling of Sports" by Kem Onyschuk and more

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

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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 amount 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 Pejza. 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 DYMEK 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 long-wire? 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 SHORTWIRES. 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 impedance 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)

A55 HOTRODDING THE MINI-MWDX-3 PHASING UNIT. Mark Connelly. Technical article. More on the Mini-MWDX-3. Requires reprint A44. (3)

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-MWDX-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. Wraight, 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 RTL-2 REMOTELY TUNED LOOP by Mark Connelly (24)

A84 THE DCP-1 DUAL CONTROLLED PHASER FOR REMOTELY TUNED ACTIVE ANTENNAS by Mark Connelly (12)

A85 DL-1 DELAY-LINE PHASE UNIT by Mark Connelly (9)

A86 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)

A106 The Wellbrook K9AY Antenna: A User's Review by John Bryant. A review of this general use antenna. (5)

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 comparison 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)

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 FREQUEN-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" 1230, 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 PREDICATIONS. M. Connelly. This article details how to prepare a chart of a DX'ers 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 WBBM 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)

M37 NOISE Some Causes and Some Cures. Wayne Heinen (4)

M39 FOUR SOFTWARE PIECES FOR MW DX'ers G. Kudlemeyer. Review of programs for Macintosh Computer Owners. (6)

M40 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)

M41 RFI FROM HOUSEHOLD ELECTRONICS by Perry Crabill, Jr (2)

M42 AN INTRODUCTION TO LONGWAVE DXING by Shawn Axelrod (3)

M43 HOBBY AUDIO RECORDING IN THE 21ST CENTURY by R. Charles Rippel Discussion of modern recording methods (3)

M44 A useful little timer for DX'ing by Rick Kenneally (1)

M45 An Audio Switching network by John Bryant (3)

M46 A Dummy's Guide to Working with Wall Warts. Adapting by John H. Bryant, with Bill Bowers wall wart AC to DX transformers to DX'ing accessory needs (8)

PROPAGATION

P1 MEDIUM WAVE SIGNAL PATHS, PARTS I,

II, III, AND IV. G. P. Nelson. Discusses Great Circle paths, seasonal absorption patterns, auroral effects and the Mid-Winter Anomaly. (29)

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)

P5 METEOROLOGICAL EFFECTS ON MW GROUNDWAVE RECEPTION. R. J. Edmunds. Short term variations in groundwave propagation at MW frequencies and their relationship to weather conditions. (7)

P6 AURORAL EFFECTS AND THE 1969 TRANS-ATLANTIC LISTENING TEST. G. P. Nelson. A description of how the geomagnetic and auroral phenomena control TA reception from various stations. An introduction to auroral effects. (5)

P7 THE AURORA OF NOVEMBER 6-9, 1970. G. P. Nelson. Traces a classic auroral attack from its origin on the sun to its effect on MW reception. (3)

P8 COMPARATIVE MEASUREMENTS OF GEOMAGNETIC INDICES. R. J. Edmunds. A three month comparison of A-index measurements as reported by several major observatories as they relate to each other. (3)

P9 SKYWAVE OR GROUNDWAVE RECEPTION? G. P. Nelson. How to tell whether the signal from a station is arriving via ground wave, skywave, or both. (3)

P10 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)

P11 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)

P12 LIMITATION ON THE USE OF THE A-INDEX. G. P. Nelson. An explanation of the A-index as a DX'ers tool. (3)

P13 BCB RECEPTION DURING PERIODS OF HIGH AURORAL ACTIVITY. G. P. Nelson. Describes research into the effects of the aurora on MW propagation. (8)

P14 SKYLINE BLOCKAGE Fr. Jack Pejza. Mathematical derivation of the formulas needed to calculate the effect which terrain has on signals. (10)

P15 SKYLINE BLOCKAGE, SOURCES OF UNCERTAINTY. G. P. Nelson. Takes into account the possibility of signal propagation by some less common modes which are subject to blocking by the horizon. (9)

P16 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)

P17 TRANSPOLAR DX RECEPTION. R. J. Edmunds. This technical article relates to the trans-polar reception of central and eastern Asiatic stations at sunset in North America. (27)

P18 OBSERVATIONS OF TRANS-ATLANTIC MW RADIO SIGNALS. C. W. Bailey. The results of a lengthy survey of TA receptions made over a one-year period. (3)

P19 PROPAGATION AT MW FREQUENCIES. P. Sullivan. Discusses some aspects of the factors which control signal reception on the BCB. (6)

P20 FACTORS OF MW PROPAGATION. F. Dinning. Discussion of the nature of MW propaga-tion. (6)

P21 DOMESTIC PROPAGATION-ANSWERS TO FREQUENTLY ASKED QUESTIONS. R. J. Edmunds. A discussion on some of the propagational factors that affect domestic reception. (1)

P22 REVIEW OF SOLAR ACTIVITY FOR THE MW DX'ER. R. J. Edmunds.

An explanation of the Fredericksburg A-index as well as its use in the hobby. (2)

P23 MEDIUM WAVE IONOSPHERIC PROPAGATION PLUS THE SEQUEL TO R.Schatz. These articles take a different approach to propagation and presents new terms and theory. (11)

P24 TERMINATOR TRANSIT MECHANIX. R.Schatz. Parts I, II, III, IV AND IV-A of a series which the author states features practical techniques to hear new stations; techniques never before available. (33)

P25 SUNSPOT CYCLE 21 - THE PEAK - HOW MUCH AND WHEN. O. Oklehen, H. R. REPORT. This article, through careful predictions, shows how the next peak in solar activity will be one of the most severe in recent history: Includes additional comments by R. J. Edmunds. (3)

P26 ATMOSPHERIC AND GALACTIC NOISE ON THE BCB. Dallas Lankford. A discussion on the amounts of various types of noise, Compared to receiver sensitivity (3)

P27 ON THE NATURE OF SCIENCE AND THEORIES OF BCB PROPAGATION. Dallas Lankford. Discussion of several theories, concentrating on the controversy concerning the degree of the arrival angle of signals propagated over long distances. (3)

P28 DXING THE 1984 SOLAR ECLIPSE. Gerry Thomas. One DX'er's experiences during this rare DXing opportunity. (3)

P29 ON OBLIQUE PROPAGATION. Dallas Lankford. Very technical discussion on the theory of oblique incidence nighttime ionosphere at BCB frequencies. (12)

P30 MEDIUM-WAVE OBLIQUE PROPAGATION - ANOTHER VIEW. Randall J. Seaver. Some different interpretations are presented on this subject, as well as examples of MW propagation analysis using the Knight Wave-Hop method. (9)

P32 RELATIONSHIPS BETWEEN SOLAR ACTIVITY, THE EARTH'S MAGNETIC FIELD, AND MW DXING. Randy Seaver . General characteristics of geophysical phenomena are addressed, in order to understand relationships between the sun, the geomagnetic field, and high-latitude DX. (15)

P33 SEA GAIN. Randy Seaver A discussion of the propagation phenomena. (11)

P36 M.F. PROPAGATION: A WAVE-HOP METHOD FOR IONOSPHERIC FIELD STRENGTH PREDICTION. P. Knight. A method for calculating the strength of medium-wave frequency sky-wave signals at night. (9)

P37 BEAMIAC-A -DELUXE+ GREAT CIRCLE BEARING DISTANCE COMPUTER PROGRAM. Mark Connelly. A "basic" computer program. (6)

P38 THE EFFECTS OF WEATHER ON THE IONOSPHERE. Jack Woods. A discussion on weather and MW propagation. (2)

P39 GROUND WAVE, SKY WAVE. John D. Bowker. A simple explanation of these term. (1)

P40 TRACKING THE 1994 SOLAR ECLIPSE BY RADIO by Ken Chatterton (3)

P41 Web Site for U. S. Station Signal Strengths. A Valuable Resource By Mark Connelly, Initial research on Sea gain from Coastal DX'ing Sites. (3)

P42 Sea Gain: The Numbers Don't Lie by Mark Connelly. The amazing affect of DX on the shore-line vs. inland (4)

RECEIVING EQUIPMENT AND TECHNIQUES

Some articles previously in this section are available in "The Challenging Crystal Set"

R1 SPURIOUS SIGNALS & SPURIOUS SIGNALS REVISITED. R. J. Edmunds and G. P. Nelson. Many DX'ers hear stations on frequencies where they don't belong. Article describes causes and cures of spurious MW signals. (10)

R2 SINGLE SIDEBAND RECEPTION ON THE BCB WITH MECHANICAL FILTERS. G. P. Nelson. Few commercial receivers covering the MW band have adequate selectivity to cope with MW interference--particularly in the presence of powerful local stations. Explains how to add mechanical filters to an existing receiver for the ultimate in adjacent channel rejection. (21)

R3 SUBAUDIBLE HETERODYNES ON THE MW BCB. G. P. Nelson. Details on a technique to permit the MW DX'er to detect and characterize signals too weak to hear at the time; allows the DX'er to count the number of stations on a channel--even if no programming is audible and permits direc-tion-finding on channels with several stations present. (6)

R5 THE TRACKING PROBLEM AND HOW

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)

R9 RECEIVER/ ACCESSORY INTERFACES MADE SIMPLE AND CHEAP. R.J. Edmunds. A discussion of methods of interconnecting DX equipment. (7)

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 AUTEK 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 AUTEK 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)

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