Inside...

2 ... DDXD
7 ... Special Catalog Insert
22 ... IDXD

CPC Test Schedule
KICY .... 850 .... AK .... March 2 .... 0430-0530
WGAI .... 560 .... NC .... March 15 .... 0100-0130
KKSA .... 1260 .... TX .... March 16 .... 0000-0050

KICY-850 - P. O. Box 820 - Nome, AK 99762 <kicy@dwarf.nome.net> will conduct a DX test on Monday morning, March 2, from 12:30 am through 1:30 am Alaska Standard Time (this translates to 4:30 AM to 5:30 AM EST) and will consist of code ID's, with occasional voice ID's at 10 KW non-directional. Reports may be sent to Mr. Tom Guilliam, Chief Engineer. Arranged by Bill Hale for the NRC CPC.

WGAI-560 - 179 Lovers Lane - Elizabeth City, NC 27909 will conduct a DX test on Sunday, March 15 between 1 and 1:30 am EST. The test will consist of Morse code ID's, plus various liners/ingles alternating with the code at 500 watts directional (station is U3) [up and down the East Coast]. Reports are to be addressed to Mr. Bob Carter, Asst Engineer. Arranged by Bill Hale for the NRC CPC.

KKSA-1260 - P O Box 2191 - San Angelo, TX 76902-2191 <gamity@prodigy.net> will conduct a DX test on Monday, March 16 sometime between midnight and 5 AM using code ID's at 74 watts non-directional. Reports may be sent to Mr. Gary Smith, CE. Arranged by Bill Hale for the NRC CPC.

From the publisher ... You'll find the 1998 NRC Publications list in pull-out form in the center of this DXN. We had to do a little trimming from DDXD and IDXD to get it to fit, but this info (mostly GY updates and station updates) will be inserted into next week's columns.

According to the January 1998 issue of Adventist World Radio's Current, NRC'er John Wilkins, Wheat Ridge, CO is the winner of the 1997 Wavescan contest over more than 500 other entries. The contest invited to submit details of the five smallest QSL cards in their collection. Adrian Peterson, International Relations Coordinator of AWRI, added that several participants suggested that the 1998 contest should be a search for the world's largest QSL card.

NRC'er Lyle K. Stanton is asking for your help. Seems that he bought a DX-394 and can't operate it "to the fullest extent so that I can get many pleasurable hours of listening" from it. He also says that his antenna is not working right, and the store at which he purchased it can't help him, either. If you can help out, contact him at 140 Lawrence Ave, Apt. 5C - Brooklyn, NY 11230.

DXAS ... Coming up on the DX Audio Service, Fred Vobbie is looking for NRC and DXAS members who have been on the air in some way. If you have been a DJ, newperson, or just called in to a talk show, send in a tape to be featured on the April 1998 DX Audio Service MarketScope. Tapes must be received no later than March 10th to be included. On the May DX Audio Service we're doing April Fools Radio. We're asking people to record their favorite station on April 1, 1998 starting at 5:55, 6:55, or 7:55 in the morning. Start recording, then flip over the tape when it ends and record the second side. Mono or stereo cassettes welcomed. Tapes must be received by April 10th.

Please document your tape with your name, station, and date. Send your tapes to Phil Wayne, 135-1/2 Midland Avenue, Findlay OH 45840. If you want your tape back, include return postage.

KRIZ ... More news from Patrick Martin: "I spoke with Chris Bennett of the GM of KRIZ/KZIZ in Seattle. Apparently their very weak signal during the day is 1Kw. They will be operating only with the 1Kw for several more days. Then they will be at 10 KW day and 1 KW nights. All reception reports should be sent to Chris Bennett-GM of KRIZ-KZIZ at 2600 South Jackson - Seattle, WA 98144."

DXN Publishing Schedule, Volume 65

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DXN Time Machine

From the pages of DX News:

50 years ago ... from the February 28, 1948 DXN: Ernie Cooper, Brooklyn, NY reported frequent reception of Turin, Italy-1357 at 1:10-1:35 am, and Nantes-Montbert, France-1556 from 1:30 am signon until fadeout shortly after 2:00 am.

25 years ago ... from the February 28, 1973 DXN: The entire publishing crew was down with the flu, causing #16 to go out late ... Several technical articles by Gordon P. Nelson were included, including one dealing with Fresnel diffraction.

10 years ago ... from the February 22, 1988 DXN: This issue included the 11-page "NRC Reprints List" ... Dick Trux, Louisville, KY was offering not only a "late-model" $900A for $550 plus shipping, but also to "shop" at the Dayton Hamfest for members.
Domestic DX Digest

West: Bill Hale phobtoml@eze.net
6124 Norring Springs Drive - North Richland Hills, TX 76180-5552

East: David Yocis DavidYocis@aol.com
97 Clinton Ave. - South Nyack, NY 10960-4663

DDXO-West

MEDIUM WAVE RAMBLINGS

☐ A tip of the old CPC Fedora goes to Louis Buehler of Winfield, Missouri for his CPC donation!

☐ Seems things change faster than I can keep up. Neil Adams’ WWW site, in order to get the Medium Wave Viewer program, is as follows: http://www.concentric.net/~nsadams. Sorry for leading anyone down the wrong path.

☐ Sacramento member Gary Jackson sent in a map of California showing the Caltrans districts along with the mailing addresses for each. If you DX the TIS/HAR stations out West, you may want a copy for QSL info. Send me a SASE and you’ll have a copy, too. Speaking Frankly, Mr. Aden utters: “Just heard KFDD-580 has applied for new call of KBKX. Too bad for the 2nd oldest call in the state. They came on the air in 1925 in Logan UT and moved to Jerome ID in late 1926 and to Nampa in 1930. Only KSEI is older, coming on the air in Pocatello in early 1926. As of today (2-15-98) they are still IDing as KFDD.” We welcome a couple of new reporters this issue, both from Oregon. Doug Pifer from Albany and Lenny Goldberg of Ashland. It’s great to be getting more reports from the Pacific Northwest!

☐ The DX Duo from The Great White North just can’t get enough. Shawn pens: “Well another station was dropped. The weather did not quite cooperate and the chance of snow turned into a steady snow with a strong wind. The walk out to the magic DX bus where we DX from was once again a challenge. Lots of snow on the ground and more falling. Took two to handle a toboggan again. The good news was once at the bus and we unloaded and got a fire going, we could go back out in the snow and wind to walk back to get firewood. Ahhh yes a December evening. Around 4pm, we could see it was worth every step and drop of sweat. Managed to get TAs and TP’s this time. Conditions were not great and the snow wasn’t coming down as well as needed. TP Tents were very few and all between 700 and 800 kHz. No TA Tents but 1314 was there in plain view. Hey I log them I don’t make up the rules. The crazy time lady successful others will get printed, but your ears should bum considerably. Thanks.

☐ And the Johnsons keep up their Graveyard Achievements assault.

☐ I know we’ve touched on this many times, but… format your reports as near as you can to the following order: frequency, call, state/province, city, date and time, then what you heard. Most others will get printed, but your ears should burn considerably. Thanks.

REPORTERS

FA-ID Frank Aden, N75OR Boise FRG-7, 4 foot box loop <vvll23a@prodigy.com>
LB-MO Louis Buehler Winfield DX-390 + susan de la paz
LG-OR Lenny Goldberg Ashland Sony 7600G + Kiwa Pocket Loop (returned and ordered a larger loop)
GC-CA Gary Jackson Sacramento
BK-CA Bob Karchevsky Sunnyvale R8-A/4’ box loop
DP-OR Doug Pifer Albany FRG-7000 + Radio West Loop (MV-1)
JGR-WI John J. Rieger South Milwaukee Drake SW2, Palomar loop <johnjrieger@webtv.net>
JS-AL J.D. Stephens Madison <jdstephens@juno.com>
PT-WA Pete Taylor Tacoma Sony ICF 2010, Palomar loop <pttayac@brigadoin.com>
VALDX Shawn Axelrod and Wayne McRae Winnipeg DXing from Valhalla Beach with 2-ICOM ICR-70S, 2- MFJ 1026 phasing units + 12 long wires or Beverages running east, west, and south <saxelrod@mb.sympatico.ca>
Ed-TX Editor North Richland Hills

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

SPECIAL

860 KPAM OR Troutdale - 2/16 0318 - IDed as This is KPAM, 860, Troutdale-Portland-Vancouver and Christian Hit Radio, 860, KPAM. (DP-OR)
1310 KMTY CA Oakland - 2/16 0300 - New call for this RadioDisney station. ID on the hour as KMTY, AM 1310, Oakland, San Jose, San Francisco into ZippyDoo dah. Ex: KFIA. (DP-OR)
1380 KKWK MO St. Louis - Word off the internet is that this station’s announced sign-on date has come and gone. “A small article in the Post-Dispatch reports transmission lines are not working properly, and it is fairly obvious that management of the station was not prepared to handle all aspects of being given a radio station to run. No one knows when they’ll get their act together.”

1620 KRIZ WA Renton - 2/13 0400 - Very strong signal, with ad for Everett Ford. ID as KRIZ 1420, KZIZ 1560. Good thing I taped WPHG last Wednesday to send a report! (FA-ID) [Frank, these are correct calls - Ed.]

KRIZ WA Renton - Noted on 1420, 2/13 at 2311 - Slight slum on the signal. They seemed to be on 1 kW as I could null it to distortion. They always give dual KRIZ/KZIZ IDs even though KZIZ isn’t on at night. Bad news on the home front, good news for you (except Washington addresses). I’m certainly glad I got Argentina and WPHG logged during the last two weeks! (PT-WA)

KRIZ WA Renton - 2/14 0150 - With UC music. (LG-OR)

KRIZ WA Renton - 2/14 0750 - S-20+ signal, with mentions of both KRIZ, Renton, Washington on 1420 and sister station KZIZ 1560 in Sumner, Washington. A great birthday present. (GJ-CA) [So, a belated “Happy Birthday” - Ed.]

KRIZ WA Renton - 2/14 2307 - Poor signal, under WPHG, with R&B music and ID. Heard again 2/15 0820 with good signal and gospel music and ID again as KRIZ/KZIZ. Music, at times, is same format as WPHG, so have to be careful. NEW!! (VAL-DX)

KRIZ WA Renton - 2/16 0141 - IDs as 1420 KRIZ, 1560 KZIZ, The Z-Twins, KRIZ and KZIZ and Best variety of hits and oldies. No mention of 1620. Ad for Seattle Medium newspaper, for the African-American community. (DP-OR)

KRIZ WA Renton - 2/17 0145-0220 - Bad-to-poor, with Radio Milpitas (WGJ634) nullled. Good VID at 0156. (BK-CA)

UNIDS and UNID HELP

540 UNID ?? - 2/14 1945 - Poor signal, with Spanish talk and a possible ID as O-A. (VAL-DX)
1020 UNID ?? - Heard with C&W music and Ken (?), Key (?), Leg (?) Radio. (LG-OR)
1050 UNID ?? - 2/14 2030 - Poor signal with hockey game between the Wolverines and Wildcats. Seemed to be a Wolverine broadcast. (VAL-DX)
1280 UNID ?? - 1/8 0300 - With Radio Canada International. (LG-OR)
1610 UNID ?? - 2/14 1915 - Poor signal, with just two different tones alternating back and forth. (VAL-DX)
1670 UNID ?? - 2/18 Heard fairly strong OC at 0300. Rock & R&B. Waited a little past 0300 to see if any ID, but nothing. (FA-ID)

?? - 2/16 0600-0900 - Noticed [OC] last couple of mornings, no audio, just an S-20+ signal. Appears that KNRO might be coming on the air soon. Hope Madison, Wisconsin makes it first. (GJ-CA)

?? - 2/18 2255 - For the past 15 minutes, I have been listening to someone on 1680 with a loud signal, tracking George Harrison’s “All Things Must Pass” album. No announcements or IDs. A new X-bander? Pirate? (JS-AL)

??? - 2/20 1945 - Station I heard last night is back again! With older music (Cherry Hill Park, Nah Nah Hey Hey Hey! Kiss Him Goodbye). Strong signal. No ID noted as yet. (JS-AL)

DX AND EQUIPMENT TESTS

DKWX 1130

Stay tuned…

Domestic DX Digest

Volume 12, Number 1

January 1998

Last month's DXpedition

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

Specialized equipment and transmission lines are not working properly, and it is fairly obvious that management of the station was not prepared to handle all aspects of being given a radio station to run. No one knows when they'll get their act together. A small article in the Post-Dispatch reports
TIS & OTHER STUFF

1610 TIS/HAR  CA  Eureka - TIS/HAR due on the air here by end of February. (GI-CA)
1610 TIS/HAR  CA  Redding - Super TIS/HAR due on the air here by end of April. (GI-CA)
1615 HLPT  ID - 2/14 0330 - Homefinder Low Power Transmitter - Located somewhere in west Boise or Eagle. Has pretty decent signal so may be getting out. I bet they do not know that they are not on 1610. Giving out two phone numbers, one for Boise and another on for Eagle. (FA-ID)
1620 TIS  CA  Milpitas - 2/19 0245 - With flood relief emergency information on continuous recording mentioning water advisory and sand bags free to the public at 1255 North Milpitas Blvd, and gave Bank of America account number for contributions. Heard several nights in a row. (LG-OR)
1630 TIS  MI  Detroit - 2/14 1900 - Fair signal, with the Time Lady with time about 50 minutes out of sync. NEW!! (VAL-DX)
WPJR342 MI  Roseville - 2/14 1910 - Fair signal, with two ladies giving info. First lady gave the call sign and the fact that it was a HAR run by the Michigan Department of Transport. Then another lady with info saying this site was West of 1-94 and 94!! (NEW!!) (VAL-DX)
1640 WPLR660 TX  Dallas/Fort Worth - 2/14 1905 - Poor signal, with airport information. Note new calls now official calls. Old WQO767 were temporary calls. This info as per H Helms TIS site. (VAL-DX)
1650 WPLR660 TX  Dallas/Fort Worth - 2/17 1905 - Poor signal, with airport information. Note new calls now official calls. Old WQO767 were temporary calls. This info as per H Helms TIS site. (VAL-DX)

MIDNIGHT TO 0800 HOURS ELT

570 CKGL  ON  Kitchener - 2/15 0632 - Fair signal, with local news and weather. (VAL-DX)
690 WZAP  VA  Bristol - 2/11 0710 - Up and out of the mess, then back down. Gospel music and ID: You're listening to the good gospel WZAP 690 AM. Ad for Kenny and the folks at KK Tires. 238 Wagner Road, Bristol, Virginia. Promo for Back to the Bible Saturday at 1:15 into gospel music. (LB-MO)
740 WRPQ  WI  Baraboo - 2/15 0741 - Poor signal with ID as AM Stereo WRPQ. (VAL-DX)
960 WPGA  GA  Perry - 2/16 0732-0742 - Fair, fighting it out with WYFN, with NOS music, station spots for local merchants, and a jeweler in Fort Valley. Liners mentioning WPGA ... information... news... entertainment... AM 980. (IS-AL)
1030 WBZ  MA  Boston - 2/15 0613 - Good signal, with a traffic report, news, time check and ID. (VAL-DX)
1060 WCOK  NC  Sparta - 2/16 0650-0700 - Fair, under KYW, with country music, school closings, K Country slogans, Carolina State News. (IS-AL)
1180 KOH  MT  Kalispell - 2/5 0100 - With talk format; not AC/OLD. (LG-OR)
1220 WRKS  IL  Waukegan - 2/14 0200 - All I heard was Waukegan. I'm going to count it. (LG-OR)
1290 KCCS  OR  Salem - 2/14 0200 - IDs as The Worship Station. (LG-OR)
1290 KKKW  WA  Portland - 2/14 0230 - With Kicket' Country, the Olympic Peninsula station for hot new country. (LG-OR)
1370 KGNO  KS  Dodge City - 2/19 0000 - Fair, with nice fade up. ID in SS, with SS programming. Female announcer. Unneeded. (JJR-WI)
1380 WMJR  KY  Winchester - 2/12 0705 - Fair signal, fading in and out, with oldies and Major 1380 WMJR, then weather. (LG-OR)
1410 WCMT  TN  Martin - 2/16 0747-0750 - Weak, with local spots, sports, WCMT satellite weather. (LS-AL)
1490 WNDU  IN  South Bend - 2/19 0000 - Poor, but clear in mess, with full ID. Slogan: 1490 AM. 70s oldies. Unneeded. (JJR-WI)
1530 KJRI  IA  Mason City - 2/16 0415 - Very good in fade up, with Unforgettable 1490 KJRI. Satellite NoC. Unneeded. (JJR-WI)
1550 KMRI  UT  West Valley City - 2/14 0330 - With The All-New KMRI and C&W format. Was KRGK. (LG-OR)

0800 TO 1600 HOURS ELT

530 CHKL  AB  High Level - 2/15 0807 - Fair-to-good signal, with country music; not AC/Oldies as per LOG. (VAL-DX)
830 KOTC  MO  Kennett - 2/11 0835 - Fair signal, fading and out, with co-channel QRM from WCCO, with Expanded weather from 830, KOTC, Cotton County into C&W. (LB-MO)
850 KGHT  AR  Sheridan - 2/12 0810 - Good signal, with local WINU nullled. Gospel music and ID as Morning Express on Super Station KGHT. Ad for Christian Supply Store; promo for Gospel Concert in Little Rock. (LB-MO)
1370 WVAX  IL  Lincoln - 2/12 0903 - Fair signal, fading in and out, with ID Where Lincoln turns to for news talk, Radio 1370 WVAX, Lincoln's news leader. Ad for Illinois Lottery. (LB-MO)
1460 WFMI  AL  Cullman - 2/16 0818-0835 - Solid Gospel satellite music programming, local spots, slogan of Spreading the Word. WFXW 1460. (IS-AL)
1480 WFXW  IL  Geneva - 2/11 0801 - Fair signal out of the pile, with ID: AM 1480 WFXW Geneva, with information you need. News, sports, weather and classic hits close to home from Genevo-St. Charles and Batavia-Egin-Aurora and points in between into ABC News. (LB-MO)
1490 KEYG  WA  Grand Coulee - 2/15 0640 - Good signal, on top, with local ads and announcements and clear KEYG ID. (VAL-DX)
1490 KDIA  CA  Vallejo - 2/13 1000 - Call letter change. Surprised me with KDIA 1640 AM Stereo, Vallejo, Oakland, San Francisco. Many IDs while listening. Also Spat.field sound many times. Format seems about the same, if not with more variety. (DP-OR)

1600 TO 2400 HOURS ELT

530 CAGO  ON  Brampton - 2/14 1836 - Good signal, with local talk program in ?? language, with several mentions of Toronto. (VAL-DX)
540 WQTM  FL  Pine Hills - 2/14 1937 - Poor signal, in CBK, null with sports programming and ID as Sports Radio WQTM. NEW!! (VAL-DX)
580 WKTY  LA  The Crosses - 2/14 2143 - Fair signal, in partial CKY null, with weather report and ID. (VAL-DX)
690 KNBR  CA  San Francisco - 2/14 2333 - Fair signal, in CJOB null, with ESPN programming and local ads. (VAL-DX)
810 WHB  MO  Kansas City - 2/14 2122 - Fair-to-good signal, in CKJS null, with Spanish- language programming. (VAL-DX)
950 WIDB  IL  Chicago - 2/14 1940 - Poor-to-fair signal, in CFAM null, with 1-on-1 Sports and clear WIDB ID. NEW!! (VAL-DX)
1050 KLOH  MN  Pipestone - 2/14 2040 - Poor signal, with country music weather. (VAL-DX)
1370 CHUM  ON  Toronto - 2/14 2110 - Fair signal, in total CKSB null, with oldies and oldies IDs. (VAL-DX)
1250 KJKC  MT  Forsyth - 2/14 1750 - Good signal, in CHSM null, with country music and several IDs. This becomes dominant once CHSM is nullled. (VAL-DX)
1290 WMC5  WI  Greenfield - 2/14 1830 - Poor signal, in a mess in CIFX null, with clear ID. (VAL-DX)
1450 WKLJ  WI  Sparta - 2/14 1855 - Poor signal, in mess in CIFX null, with news and clear ID. (VAL-DX)
1370 KZSF  CA  San Jose - 2/17 2357-0001 - Heard VID in EE with SS accent; rest of programming in SS. (BK-CA)
1590 WPVL  WI  Platteville - 2/14 2114 - Fair signal, with local basketball game and clear ID. NEW!! (VAL-DX)
1600 KMJN  MO  St. Louis - 2/14 1755 - Good signal, with gospel music and IDs as Gospel Hundred Sixteen. (VAL-DX)
1640 KDIA CA Vallejo - 2/14 1930 - Good signal, with Golden Bears basketball and ID. (VAL-DX)

DDXD-East

Deadlines for DDXD-East are on Tuesdays. This month, that means March 3, 10, and 24. Conditions starting to slow down now ...

STATION NEWS

800 CKLW ON Windsor - 2/8 - Adds both the Art Bell prgms, per "Dreamland" today. (DP-HI)
810 WGY NY Schenectady - 2/15 - Adds Art Bell per show today, replacing WOR Network's Joey Reynolds. (DP-HI)
960 WEIR VA Roanoke - Add this to the Virginia Tech list in no. 17, also WINF-VA. (SK-PA)
980 WILK PA Wilkes-Barre - 2/8 - Adds Art Bell, along with sister stations WGBI-910, WPMR-960, and WXPX-1300. Per show today. (DP-HI)

STATION NEWS

800 CKLW ON Windsor - 2/8 - Adds both the Art Bell prgms, per "Dreamland" today. (DP-HI)
810 WGY NY Schenectady - 2/15 - Adds Art Bell per show today, replacing WOR Network's Joey Reynolds. (DP-HI)
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980 WILK PA Wilkes-Barre - 2/8 - Adds Art Bell, along with sister stations WGBI-910, WPMR-960, and WXPX-1300. Per show today. (DP-HI)

UNID and UNID HELP

740 WGSM NY Huntington - This is probably WM-MD's unID in no. 18. They usually ID only as "Radio Disney 740" or "WMJC 94.3." They are my local pest and I've been complaining for the past two weeks that they have been forgetting to cut power at sundown, and that their transmitter needs servicing because their signal splatters all over the dial. (MD-NY)

UNID - 2/9 2123 - Basketball game. Cyclones vs. Cowboys, ad with phone number 793-7030 "at the ... Mall," alternating with a CBC station on different feed than dominant CBL. (SK-PA)

770 UNID - 1/25 0305-0314 - One on One Sports weak under WABC, disappeared when the two SS stations normally under WABC returned 0320. Maybe WWCN? (MD-NY)


960 UNID - 2/13 1737 - Poor in fight with the usual suspects (WFR, CFFX) with non-ID "This is The Choice," into FM-type AOR. Sounded like an FM simulcast. Suspect WOC as its calls would fit the slogan. (MB-ON)

1020 UNID - 2/11 0610 - C&W, mostly over KDKA for about 5-6 minutes, then back under. (RJE-PA) [WKZE? - DY]

1030 UNID - 2/13 0105 - Urban gospel style music, no ID in almost an hour, fair under WBZ. (GM-PQ) [WWCB testing, see logging below. - DY]

1150 UNID - NC and SC weather, talk, over/under WDEL, WBAG. My best guess is WAVO. (RJE-PA)

1350 UNID - 2/5 0635 - News, weather, mention of North Carolina Farm Bureau, over/under WFOX. At least 2 to choose from. (RJE-PA)

1420 UNID - 2/12 0640 - SSB by (likely) Oak Ridge Boys, subsequent announcement garbled by WCCJ, WLIS. Nothing listed to sign on at this time. (RJE-PA)

1430 WTTT MA Amherst - This is most likely GM-PQ's unID in no. 17. (SK-PA)
1550 UNID - 2/9 0657 - SS music, got blasted by WNTN sign-on. (GM-PQ) [WRDM- DY]

UNID - 2/10 0655 - Canned ID "Great songs, great memories, AM 930 and AM 1550," NOS music. (SK-PA)

UNID - 2/11 0230-0325 - SS station mostly over CBE. Ballads to mildly faster vocals, no ID's or talking at all. Non-US? (SK-PA) [More likely WRDM, heard nightly here. - DY]

(continued on page twenty)
This special pull-out section will allow NRC members to have access to ordering information for current reprints, other products, and all publications from NRC. 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 early technical articles.

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

### Publications

- **NRC AM Radio Log 18th Edition - Order Item ARL**
  - Totally re-done, 200+ pages with patterns for stations in the U.S. Canada and parts of Mexico! Three hole punched and updated through January 1, 1996. This book is designed to be used with the AM Radio Log.

- **AM Station Location Maps 4th Edition - Order Item LAM**
  - Revised and updated in 1996.
  - This manual is a compilation of numerous articles on the subject of design, theory, and practice of loop antennas 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 an enhancement to Antenna Reference Manuals Volume 1 and 2. 5 1/2” X 8 1/2” booklet format.
  - **BAM Contents:**
    - The Coolum Beach Beverage 1983
    - Analysis of the Beverage Antenna
    - Part 1 - Basic Theory
    - Part 2 - Two-Wire Phased Antennas
    - The Florida Beverage
    - The Care and Feeding of the Wave Antenna
    - A Non-Resident 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. 5 1/2” X 8 1/2” booklet 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 of MW Skywave Signals
    - High Performance General Purpose Loop Amp
    - What’s Wrong With Present Day Loop Antennas?

- **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. A great way to ID those unsD’d stations that mention a county name! Also a complete list of counties listed by state and/or province. A perfect reference for amateurs too.

### Beverages and Longwire Antennas Design and Antenna Tips

- **Order Item 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.

- **Order Item ARML**
  - Revised and updated for 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 an enhancement to Antenna Reference Manuals Volume 1 and 2. 5 1/2” X 8 1/2” booklet format.

### Antennas

- **NRC FET Altazimu th Loop**
- **Balanced FET Amplifier**
- **Thoughts on FET Loop Construction**
- **NRC/Hi Loop**
- **Tips on Loop Construction**
- **One Transistor Loop amplifier**
- **Balanced and Unbalanced Loops**
- **Direct Coupled Loops**
- **A ‘Collapsible’ Loop for Travel**
- **RCB DX’ers Beverage**
- **Antenna Tuning Devices for Longwires on M W**
- **Bob Flick Loop**
- **Degenerative Loop - A Excellent Antenna Coupler**
- **The Hawk Loop**
- **Alternative Methods of Air Core Loop Amplification**

### Antenna Reference Manual Volume 2 - Order Item ARM2

- **Revised and updated in 1996.**
  - 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 loops 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 Modifications
    - More Thoughts on Beverages
    - Floor Stand and Mounting Arrangements for Loops

### 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. An invaluable aid for DX’ing sunrise and sunset skip.

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  - Map of the U.S. and partial Canada with state and provincial borders. Cities not shown.

### broadcasters’ Guide to DX - Order Items

- **EFG (English)**
- **SSG (Spanish)**
- **FEG (French)**
- **FMG (FM DX)**

- **Tri-fold guide for use with reception reports exploring the broadcast band DX hobby, the history of the NRC, and the importance of verifications to DX’ers. Sold 20 per order.**

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- **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 others...
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 narrow beam with a cardiod pattern when operated properly. (10)
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. Mark Connelly. A new loop concept. (10)
A31 Simple Cheap and Effective Preselector Longwire Tuner-Amplifier. B. Sherwood. Schematic and brief instructions are given. (3)
A33 Some Antenna Experiments - Part 1. W. R. McNichol. Ever heard of a Helical longwire? This article deals with compact antennas for use where space is limited. (3)
A39 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 Longwire-longwire Combined Antenna. P. Swain. 'Sensing' antennas for DXing and direction finding. (3)
A38 Extremely Linear Electrically Tunable Active Loop Antenna. P. Hooff and Lindenmeier. Technical discussion of an antenna system that is the optimum solution towards allowing undisturbed reception near transmitters. (3)
A39 Simple Passive Longwire Tuner. Mark Connelly. A basic tuner that can eliminate mixing spurs caused by strong locals. (2)
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 family. MWT-1A, 1B and 1C antenna tuners (28)
A43 RT-1 Remotely-tuned Antenna Tuner. Mark Connelly. Description and construction details of a one-box phasing unit. Order also A55. (21)
A44 The MWDX-3 Family of Phasing Units. Mark Connelly. Construction and use of two simple 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 new MWDX-3. (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)
A51 A New Aid-Antenna Tuner Design. Mark Connelly. This BASIC computer program determines which component values are used in your antenna tuner. (8)
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)
A55 The Mitchell Lee Amplifier. Two Tuner Implementations. Mark Connelly. Technical article. Tuner circuits using this amplifier. Reference also A47. (5)
A56 Hotrodding the Mini-MWDX-3. Requires reprint 44A. Mark Connelly. Technical article. The importance of "Q" and a BASIC program to find antenna tuner component values in light of the "Q" (7)
A59 Dallas Lankford. Construction plans for a new circuit for combining a loop and inverted L antenna to generate a cardioid pattern. (3)
A60 Inside Same 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 design of the MW DX receiving set-up. (12)
A61 MWDX-5 Phasing Unit. Mark Connelly. The latest family 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 Another Look at Jerry Thomas & Mark Connelly. A new ferrite core loop. Reviewed and modified. (9)
A65 Super Booster. Garry Thomas. For portable receivers. (2)
A67 BUF-A Amplifier. Mark Connelly. A building block for many Connelly construction projects. (10)
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-CI Amplifier Card. (25)
A73 The CRT-2 Regenerative Tuner. Mark Connelly (21)
A75 Bevmatcher. A broadband matching and combining 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 The MW-1, MW-2, MW-3 & MW-4 Antenna Tuners. Mark Connelly. (21)
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)
A88 Ultralinear 100 Watt One Meter Whip Antennas. Dallas Lankford. 1994 - complete instructions & diagrams for 2 one meter antennas. (19)
A89 The Full-fig, Full-performance Loop. R. Moore. A history & explanation of loops & the author's current design. (10)
A91 Kiwa/Quantum Loop Comparison by Elliot Strauss (10)
A92 Phased Noise Reducing Antennas by Russell Scotka (7)
A93 The Quantum (or Q-Stick). A Passive Antenna Receiver & Advanced Q-Stick DXing Techniques by Jerry Thomas (8)
A94 The MWDX-6 Phasing Unit by Mark Connelly (24)
A95 DL-2 Delay Line Phase Unit by Mark Connelly (10)
New Items for 1998 are in italics

ARL - NRC AM Radio Log to USA & Canada $16.95 ($22.95). Overseas airmail (to all) to Europe $24.00, Latin America $23.50, All Others $28.00

VSL - Verite Signers List - $0.75

FMA - FM Atlas - $17.00 ($19.00)

NPB - NRC Night Pattern Book - USA & Canada $16.95 ($22.95), Overseas airmail (to all) to Europe $24.00, Latin America $23.50, All Others $28.00

SLM - Station Location Map Book 4th Edition - $12.00 ($17.95)

NMB - Getting Started in MW DXing $5.75 ($10.95)

SAM - Beverage Antenna Design, Theory $5.95 ($7.95)

LAM - Loop Antenna Design & Theory $8.50 ($12.95)

ARM1 - Antenna Reference Manual Vol 1 $6.95 ($9.95)

ARM2 - Antenna Reference Manual Vol 2 $6.95 ($9.95)

CCR - Challenging Crystal Set $3.50 ($4.50)

CCS - Challenging Crystal Set $3.50 ($4.50)

CRC - NRC County Cross Reference $6.50 ($9.95)

DPH - The DXpedition Handbook $8.95 ($12.95)

SDP - Season of DXpedition $8.95 ($10.95)

SSM - Sunrise/Sunset Maps $2.00 ($3.50)

MAP - Map of U.S. & Partial Canada $5.00 - $1.00

SEG - English Broadcaster’s Guide to DX-20 for $2.95 ($3.50)

SSG - Spanish Broadcaster’s Guide to DX-20 for $2.95 ($3.50)

FFG - French Broadcaster’s Guide to DX-20 for $2.95 ($3.50)

FMG - Broadcasters Guide to FM DX-20 for $2.95 ($3.50)

LG - Log Sheets - $15.00 ($18.00)

LOG - Log Sheets - 100 for $20.00 ($25.00)

C-90 - 10 C-90 Cassettes for $9.00

C-10 - 10 C-10 Cassettes for $7.50

ADC4 - After Dark 4 $9.50

ADC5 - After Dark 5 $9.15

ADC6 - After Dark 6 $9.50

ADC7 - After Dark 7 $9.50

LAB - 100 Custom Labels for $2.50

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DX Audio Service - Sample Tape $3.00

Sample Copy DX News Magazine $0.32 (stapled)

Back Issues of DX Audio Service, ea $3.00

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STA - NRC Emblem Stationary-100 sheets for $8.00

ERRF - English Reception Report Forms - 50 for $5.00

SRRF - Sample Form for Spanish Receptions - $0.10 each

FFRF - Sample Form for French Receptions - $0.10 each

CERT - NRC Membership Certificate - $1.00

ZAL - Archived Publications List - $0.32 (stapled)

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how the geo-magnetic and auroral phenomena control TA reception from distant 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 Induction in Various Regions. 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 Pezza. This article explains the processes that 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)
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 Pezza. Maturation and application of the formulas needed to calculate the effects 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. (5)
P16 Horizon Blockage: Can Fresnel Diffraction Be Ignored? G. P. Nelson. This article shows how signals that should be blocked by the horizon can actually propagate. (7)
P17 Transpolar DX Reception. R. J. Edmunds. This technical article relates to the transpolar reception of central and eastern Asiatic stations. (11)
P18 Observations of Transatlantic MW Radio Signals. C. W. Bailey. The results of a lengthy survey of TA receptions made over a one-year period. (9)
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 propagation. (27)
P21 Domestic Propagation-answers to Frequently Asked Questions. R. J. Edmunds. A discussion on some of the propagation 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 The 1984 Wave Ionospheric Propagation Plus the Sequel To R.Schatz. These articles take a different approach to propagation and presents new terms and theories. (1)
P24 Terminator Apparatus by 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. Okeke, 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 Ionosphere. Dallas Lankford. A discussion on the amount 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 DXer’s experiences during this rare DXing opportunity. (3)
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)
P31 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)
P32 Sea Gain, Randy Seaver A discussion of the propagation phenomena. (11)
P33 M.F. Station Alignment. A Top Method for Ionospheric Field Strength Prediction. P. Knight. A method for calculating the strength of medium-wave frequency skywave propagation and it shows how to improve its performance up to its specifications. (2)
P34 Beaming-a Deluxe Great Circle Bearing Distance Computer Program. Mark Connolly. A ‘basic’ computer program. (6)
P36 Ground Wave, Sky Wave, John D. Bowker. A simple explanation of these terms. (1)
P40 Tracking the 1994 Solar Eclipse by Radio by Ken Chatterton (3)

Receiving Equipment and Techniques
Some articles previously in this section are receivers. The Crystal Set . . .
R1 Spurious Signals & Spurious Signals
Revisited. R. J. Edmunds and G. P. Nelson. Many commercial receivers suffer from frequency tuning in areas 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 Subaaudible Heterodynes on the MW BCB. G. P. Nelson. Details 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 available and permits direction-finding on channels with several stations present. (6)
R5 The Tracking Problem and How to Cure it. G. P. Nelson and J. Holmes. Many excellent receivers are plagued with 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 bandwidth. (3)
R10 Up the Carrier. W. Bailey. Dig the weak DX out of the mud with this form of excited carrier reception. (1)
R11 Precision Frequency Measurement. R. Schatz. How to use the frequency counter. (3)
R13 Single Sideband Receiving Adapters. T. Sundstrom. Describes various devices of this noise filtering device and their 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 Q-FX. C. Hutton. A non-technical review of this noise filtering device and its applications in MWDX. (7)
R21 A Frequency Counter for Receiver Tuning. R. Fowxworth. A thorough paper on digital readouts and what to look for in various makes and types of digital readouts, and provides circuitry to enable the experimenter to build a counter for use as a "digital dial". (13)
R22 The Linnondyne Crystal Wireless Receiver. R.W. Tuggle. The concept of vintage crystal radios is changed with these high voltage tubes to solid state diodes is described step-by-step. (4)
R23 Diversity Reception. C. Hutton. This technical article explains that sensitivity and selectivity are not the only 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 Connolly. 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)
R31 R-390A Alignment Without a 60 KHz Source. Dallas Lankford. Although most MF signal generators do not tune below 100 KHz., the frequency can be heard by tuning your receiver’s IF bandpass using a B&W 370 receiving adapter. (2)
R34 Review of the Autek Q-FX. T. Sundstrom. Describes various devices of this noise filtering device and its applications in MWDX. (7)
R35 The R-390A on Longwave. Craig

R36 The BBA-1 Broadcast Amplifier. Mark Connolly. A simple and inexpensive method to modify the R-390A effective amplifier for loops to tune below 500 KHz. (2)
R37 The Generic HQ-180 If Alignment. William Marvin. A non-technical procedure that requires no test equipment. (4)

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R38 Varactor Die Applictions for DXers. Mark Connelly. Discussion of the Advantages and disadvantages of substituting the varactor die 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)
R41 The DX Time-machine. Craig Healy. Use Add a Tuning Meter to Your Receiver. Ray Bergman. (4)
R46 Surplus Mechanical Filters. Marc Lankford. A listing and description of the most commonly available ceramic filters, with data from tests. (3)
R47 The HQ-180 Series Receivers Sensitivity Test. Dallas Lankford. A simple diagnostic test. (2)
R48 Supers Mechanical Filters, Marc Bergman. Test results of several reasonably-priced and available mechanical filters. (3)
R49 A High Signal Levels on the CB. Marc Bergman. How to use Collins DB filters in your HQ-180 receiver. (2)
R50 R-390A KHz Filters for the HQ-180. Dallas Lankford. Use of Collins DB filters in your HQ-180 receiver. (2)
R51 R-390A Audio Output Impedance Matching. Dallas Lankford. Improve the audio quality of your R-390A. (2)
R52 Collins R-390A - The Original "World's Best". Graham Maynard. More tips and modifications. (7)
R54 NRD-525 AGC Mod. & AGC Mod 2 Dallas Lankford. (6)
R55 Drake R-8 MTW Attenuator Mod. Dallas Lankford. (1)
R56 Modifications for the NRD-525. John K. Tow (5)
R57 Hotrodding the Radio Shack 12-625. Ray Cole (1)
R58 Collins Torsion Mechanical Filter for the R-390A. D. Lankford (7)
R59 Drake R-8 Type B Spuns Elimination. D. Lankford (3)
R60 Drake R-8 Increased Dynamic Range. D. Lankford (4)
R61 Modifications for the Sangean ATS-803A. G. Maynard (3)
R62 Improvements to Regenerative Receiver Design by Mark Connelly (2)
R63 R-390A Won't Turn off Again (7) by Dallas Lankford (2)
R64 NRD-525 Filter Mods by Dallas Lankford (8)
R65 Drake R-8 Encoder Shaft Static Elimination. By Dallas Lankford (1)
R66 Drake R-8: Low Headphone Volume & Broken Feet by Dallas Lankford/Cures for Same! (1)
R67 Racal R-69,700GM Noise Blanker Notes by Dallas Lankford. (6)
R68 Drake R-8 More on Improving Image Rejection by Dallas Lankford (5)
R69 R-390A Filter Mod #3 by Dallas Lankford (3)

Receiver Reviews
R70 Receiver Comparisons - What Do They Measure? A. Perdue. Certain problems arise when comparing product summaries and receiver reviews. The author explores these comparisons with an emphasis on MW DX. (2)
R71 Quality Receiver of the Yaesu FRG-7 Receiver. G. Hauser. A non-technical review. (3)
R72 Drake R-7A Revisited. Craig Healy. Reviewed and compared to the R-390A. (2)
R73 Bellow-Wadley XCR-30. M. Hardeste. (2)
R74 McKay-Dyakm DR-22 J. Clemenents. A non-technical pre-production review. (3)
R75 ICOM IC-R70 Communications Receiver. Vincent Pinto. An in-depth, technical review. (9)
R76 The GE Superadio-cassette. Michael Sapp. The GE Superadio with an integral tape player. (4)
R77 The Sony SRF-A100. Greg Monti and Albert L. Sobel. Two looks at this AM stereo portable receiver. (5)
R78 The ICOM IC-R71A Receiver - From the Australian DX Calling Magazine. User review with commentary. (7)
R79 Uniden CB-202 Vs. Sony ICF-6500W Gerry Thomas. A Comparison. (3)
R80 R915D515 Review by Bob Foxworth. (7)
R81 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)
R82 R69 Collins R-900. Don Manom. Includes performance results against the ICOM R71 and Sony ICF-2010. (5)
R83 The GE Superadio-plus. Dick Truxx. User first impressions and opinions. (1)
R84 The Collins 51J-4 General Coverage Receiver. Fritz Melberg. (2)
R85 Denon D344 FM Tuner, Model TU-800. Doug Allen. A great radio for FM DXing! (2)
R86 Icom IC-R70, a Quick Review. John J. Mellberg. No-technical review. (2)
R87 The GE Superadio. Dallas Lankford. AGC Mod 2 Dallas Lankford (3)
R88 Realistic 12-625 Ray Cole, Paul Swearingen, César Obijo. (4)
R89 Realistic DX-4600 and Sony ICF-2010. Mark Connelly. An MW DX evaluation of these two popular portable receivers. (2)
R90 Drake R-8 Reviews by Rob Keeley, John Tow, Dallas Lankford, and Ronald Hunsicker. (18)
R91 NRD 525 - A Technical Review. D. Lankford (3)
R92 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)
R93 Receiver Showdown Comparing ICOM R-9000, R-71A / IRC R-2250D / Drake R-8 and Collins R-390A by Gerry Thomas (6)
R94 The Denon TU-660 NAB "Super Radio" (2)
R95 RA-6900GM: A Review. Dallas Lankford - 1993 (8)
R96 Sony SRF-42 AM Stereo Walkman Review. Frank Aiken. (1)
R97 Panasonic RQ-V50 Review. John Hanz. (1)
R98 Ramsey AM-1 Transmitter Kit - Review. Christopher Cuomo. (3)

IRCA Mexican Log, 4th Edition
The IRCA MEXICAN LOG list all AM stations in Mexico by frequency, including call letters, state, city, day/night power, schedule in UTC/GMT, formats, networks and notes. In addition, stations that have changed frequency since 1990 are cross-referenced on the old frequency. The call letter index gives call, frequency, city and state. The city index lists the city, city code, frequency, call and day/night power. The log has been completely updated and carefully cross-checked by IRCA members in Mexico and the U.S. This is an indispensable reference for anyone who hears Mexican radio stations. Size is 8 1/2" x 11" and three hole punched for easy binding (optional).
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Order TODAY from: IRCA Bookstore, P.O. Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax)
WUHN CHOG ON Toronto - 2/7 1742 - End of REL program with Sister Jean Martin giving address in Kingsport, TN, slogan “Sunshine 790,” then female announcer said “This is WETB,” into CBS music. Fair signal and surprisingly absent. (SK-PA)

WNIS VA Norfolk - 2/19 2200 - ID “WNIS Radio AM 790 in Norfolk,” into news. (BS-PA)


WAIT IL Crystal Lake - 2/9 1734 - Local news, several local ads, then Patsy Clines song “Crazy” and “Misty” by Enrol Garner. Fair until KOA moved in for the evening. (RCP-IN)

WSBS MA Great Barrington - 2/8 1630-1640 - DJ: “86 WSBS,” then AC songs by Seals and Crofts, Billy Joel, fair to poor. (SK-PA)

WHCU NY Ithaca - 2/9 1726 - Local weather report, “FWCU 870 Weather Center,” into story about President Clinton, then quickly faded. Not heard in years. (RCP-IN)


WYMB SC Manning - 2/8 2242 - Heard in the mix “WYMB, straight ahead” possibly them by the Sports Fan network. (SK-PA)

WOKY WI Milwaukee - 2/15 2125-2200 - “At Your Leisure” local auto travel talk show, many mentions of Milwaukee and Wisconsin, ID 2130 “AM 920, WOKY.” Local Weather Channel weather at 2132, then legal ID into CNN news at 2200. Fair to good with some QRMs, but at times very solid atop a QRM. (NSA-OH)

WLVF FL Haines City - 2/10 1725 - Black GOS music, ID. (WM-MD)

WMWR GA Macon - 2/13 1802 - ID “WMWR, your news and talk station,” into news at the top of the hour, ad for “I-Omega” computer hardware, “Exclusive 940 AccuWeather Forecast,” temperature “it’s 57 degrees at WMWR. Very good signal with very little fading. (RCP-IN)

WIDG MI St. Ignace - 2/5 1800 - Fair in CBM null with Beatles “Something in the Way She Moves,” ID as “This is the station for Good Time Oldies, WIDG St. Ignace, Cool 94 AM.” Not all the Good Time Oldies stations are in Canada! (MB-ON)

WKGK VA Smithfield - 2/11 2027 - Religious talk by man in CBM null. ID 2031 “AM 940 WKGK.” Poor to fair, with a slight het. (DZ-NY)

WFUN OH Ashtabula - 2/11 1730 - Abnormally strong signal, ID. (RJ-PA)

WZAP NE Omaha - 2/19 1743 - Short news story about Liz Taylor, ad for “Life Quotes of Omaha,” call 345-PLUS, followed by traffic report for Omaha area sponsored by Albert’s Moving and Storage. Fair over, under WBZ. (RCP-IN)

WAGE VA Leesburg - 2/10 1720 - “This is WAGE: Join us on the Internet www.WAGE.” followed by C&W song “Bubba Can Dance.” Fair with some interference mixing with WOAI, first time heard. (RCP-IN)

WFFI OH Columbus - 2/15 1805 - Weather, ID. (WM-MD)

WTTV PA Titusville - 2/16 1845 - ID heard in mess. (WM-MD)

WRTA PA Altoona - 2/11 1840 - Promo for high school basketball, ID. (WM-MD)

WKDA TN Nashville - 2/12 1900 - ID heard in mess. (WM-MD)

WCLG WV Morgantown - 2/13 1710-1740 - Numerous “Oldies 11 AM” non-IDs, SIDs, OLD music, over/under first WLR, then WXR, finally got copy of local ad at 1740. (RJ-PA)

WSPD OH Toledo - 2/5 2058 - “The most up to date weather forecast, News Radio 1370 WSPD Toledo,” return to basketball game. Atop the mix. Not heard since 1994. (SK-PA)

WVMR WV Frost - 2/15 1715 - ID heard in mess. (WM-MD)

WTTY PA Kittanning - 2/13 2225 - Contest promo, ID, OLD music. (WM-MD)

WXSS MN Waite Park - 2/6 1936 - Tentative with ad with 320 area code, then ad for the Steve Car Center. In the mix. (SK-PA)
189 ICELAND Rikisutavapríð Guðafélag, FEB 15 0032 - Fair signals with Icelandic talk and music. Only Longwave station to produce audio. [VAL*MB]

1215 UNITED KINGDOM, Virgin R. synchros, FEB 2 0110 - Stupid girl' at 0115. Boston's 'More than a Feeling' at 0118. Bryan Adams' 'Coming back to you' at 0121. Weak. [Picard-PQ]

1314 NORWAY, NRK, Kristosy, FEB 5 2222 - Soft instrumental music, talk at 2225, later in the evening, Gloria Gaynor's 'I will survive' at 0047, Donna Summer's 'Hot stuff' at 0050; NRK ID at 0100 into news. Fair. [Picard-PQ] FEB 15 0550 - Poor to fair signals with Norwegian talk and oldies music. Only TA on the band. [VAL*MB]

1530 VATICAN CITY R. Vaticanis, FEB 15 0555-0604 - Good under and over WA1 with woman and man in Italian, and occasional brief music bridge of organ or horn. [DeLorenzo-MA]

1611 VATICAN, Vatican R., JAN 25 0553 - Talk in UNID language, carillon at 0559. [Picard-PQ] FEB 15 0255-0337 - Good with two men in Italian alternating every few minutes, and a brief hymn by a choir. [DeLorenzo-MA]

Marc speaks: "A pretty good opening to my father's birthplace of Italy ... I would have liked to have tried for Rome-846, but, unfortunately, the 50 kW transmitter of WEEI-850 is about 4 miles from here."

**PAN-AMERICAN DX**

540 UNID, FEB 15 0145 - Poor signals with Spanish talk and a possible ID as O-A [VAL*MB]

540 MEXICO XEWA Monterrey FEB 15 0150 - Good signals over CBK with music. [VAL*MB]

730 MEXICO XEX Mexico DF, FEB 15 1230 - Good signals with Mexican ballad music. [VAL*MB]

540 CUBA, CMHW, Santa Clara, JAN 29 0220 - Beatles 'And I love her' (shower version, followed by the original), then talk in SS, back to SS music at 0229; 'Cubana' mentions at 0249 & 0345 (so just tentative) and pipes at 00. Under partially nullled WHAS. [Picard-PQ]

990 MEXICO XET Monterrey, FEB 15 0200 - Poor signals in partial CBW null with music program and ID. [VAL*MB]

1000 COLOMBIA RCN Cartagena, FEB 05 0120 - heard "Colombia" then anthem like male vocal. 0126 another Radio Mil comes up causing a Het, as two men talk with mention of Colombia. 0130 time pips and ID as "Radio de Colombia." Was parallel to 770 (weak behind WABC). Other SS in back with pop music. Strong signal, no domestic interference, sharing freq with Radio Mil Mexico. [Ziolkowski-NY]

1000 RADIO Mil, FEB 05 0157 SS music dominates. 0200 clear ID as Radio Mil. [Ziolkowski-NY]

1050 MEXICO XEQQ, R Pirata, Cancun QR, 0050 FEB 12 - Sports programming, B-52's 'Good Stuff,' full ID 0104, ad for auto dealer, romantic baladas. Surprised to hear this for the first time at home after listening to it in the Caribbean last month. [Novello-NC]

1170 COLOMBIA HJNW Caracol Cartagena, FEB 05 0110 - 2 ID's - 'este es Caracol Colombia' then male talk. Way behind WWVA but a pause in talk allowed a clear ID to come through. [Ziolkowski-PQ]

1375 ST. PIERRE & MIQUELON, RFO, JAN 23 0606 - In FF, talk about Clinton sex scandal. Fair in 1370/1380 slop. [Picard-PQ]

Denis speaks: "I've been away from my radio more than 1 year because I spent too much time on our new computer and the Internet!" (We'll forgive you, just don't let it happen again! - Jim)

**TRANS-PACIFIC DX**

738 POLYNESIA RFO Mahina, FEB 15 1210 - Poor signals but clear with French talk. Only TP to produce audio. [VAL*MB]

**UNIDS, QUERIES, ETC**

The UNID TP on 1053 reported by Ray Moore is likely one of South Korean Jamming the clandestine Voice of National Salvation which claims to be broadcasting from South Korea, but is actually broadcasting from Haeju, North Korea. There is a chance this could be the North Korea clandestine, but not likely because it beams its signals south. Two jamming sites in South Korea have been identified. I lived in Korea for a total of 11 years and have spent some time tracking down the Jamming stations. That is where I got my information from. [Harms-MD]

**CONTRIBUTORS** (@ via e-mail)

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@Shawn Axelrod and Wayne McRae, Doing from Valhalia Beach MB; 2- ICON [CR-70, 2- MF] 1026 PHASING UNIT, 12 LONG WIRES OR BEVERAGES RUNNING EAST WEST AND SOUTH [saxelrod@mb.sympatco.ca]
@Denis Picard, Trois-Rivieres-Ouest PQ
@Dan Ziolkowski, Hamburg NY, SONY 2010, KIWA Pocket loop

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**International Jim Renfrew** JimRenfrew@delphi.com

61 Wilcox Street

Rochester, NY 14607-3832

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**DX Digest**

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

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Not much DXing going on here these days, too much noise in my city neighborhood. I did, however, receive a QSL from Talk Radio UK 1053 and 1089 in the mail today, UK #3 and #4 verified.

Not too many loggings from reporters, but this leaves some room for station news around the world.

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**TRANS-ATLANTIC DX**

189 ICELAND Rikisutavapríð Guðafélag, FEB 15 0032 - Fair signals with Icelandic talk and music. Only Longwave station to produce audio. [VAL*MB]