



# DX NEWS

*the magazine of the  
National Radio Club*

— SINCE 1933 —

Volume 55 Issue 20 Monday, February 22, 1988

April Fools issue will be the March 28, Issue 24. Get your material into us here at HQ or to the appropriate column editor. Not much time left.

Enclosed is the NRC Reprint List, inner 3 sheets, along with an order form which can be found on page 23.

From Bill Moser, "As of Feb 9th, KJIA-1520 Sioux Falls, SD is still on the air, although their listener-supported format of Contemporary Christian music is always on the verge of financial failure. Calls stand for King Jesus Is Alive".

## DXChange

For Sale: Very late model R390A in original desktop cabinet in near mint condition physically, perfect electrically. Manufactured in 1966, one of the last built by Electronics Assistance Corp. \$350.00 plus shipping. (Dick Truax, 3003 Gleeson Lane, Louisville, KY 40299-1617 502-491-2871 weekends)

For Sale: 1946 Radio Photofact Manual, photos and schematics of all the classic radios of the 30s and 40s plus phonos, intercoms, car radios, etc., Weights a massive 12 pounds, I paid \$45, will sell for best offer. (Lenny Goldberg, 343 E. Main, Ashland, OR 97520 503-488-0066)

Miscellaneous Dick Truax will be going to the Dayton HamFest. And he will be willing to look for and get equipment for you. Make arrangements with him at the above address or phone number.

Rest of Volume 55 printing schedule:

Issue	Masthead Date	Pub Session Date
21	February 29	February 21
22	March 7	February 28
23	March 14	March 6
24	March 28	March 20
25	April 11	April 3
26	May 2	April 22
27	June 6	May 29
28	July 11	July 3
29	August 15	August 7
30	September 19	September 11

## LOOK INSIDE

2....AM Switch	3....DDXD-East	5....DDXD-West
7....reprint list	19....IDX	21....Musings
23....Reprint Order Form	24....NRC Facts and Addresses	

# AM SWITCH

Jerry Starr, c/o WHOT Radio, 4040 Simon Road, Youngstown, OH 44512

## CALL LETTER CHANGES

OLD CALL:	NEW CALL:	OLD CALL:	NEW CALL:
790 CKMW ON BRAMPTON	CIAO	1340 KCKM KS KANSAS CITY	KFKF
960 CFTJ ON CAMBRIDGE	CIAM	1430 WKZN TN MADISON	WWRB
970 WTKN PA PITTSBURGH	WWSW	1480 KOSP KS MISSION	KBEA
1010 KLRA AR LITTLE ROCK	KHLT	1600 WCPK VA CHESAPEAKE	WJQI
1190 WBUG PA HUGHESVILLE	WELX	*KOSP CALL WAS SET ASIDE AND NOT USED	
1240 WGBB NY FREEPORT	WBAB	WJQI WAS SET ASIDE, THEN REINSTATED	
1290 WMKM MI HOUGHTON LAKE	WHGR		

## APPLICATIONS FOR NEW STATIONS

1160 FL JACKSONVILLE: 250/250 U1 (SYNCHRONOUS WITH WJVR)

## GRANTS FOR NEW STATIONS

1330 TN HENDERSONVILLE: 700/500 U4

## APPLICATIONS FROM EXISTING FACILITIES

- 840 KWPN NE WEST POINT: POWER TO 4100 WATTS
- 890 KPTO CA CITRUS HEIGHTS: CITY OF LICENSE TO SLOUGHHOUSE, CA
- 1390 WRSC PA STATE COLLEGE: REDUCE DAY POWER TO 2000 WATTS
- 1520 WGNB FL SEMINOLE: DROP NIGHT POWER, ANTENNA TO D1
- WIBG NJ OCEAN CITY: TO 1020 KHZ WITH 500 D1
- 1570 KTGE CA SALINAS: ADD 500 WATTS NIGHT

## GRANTS TO EXISTING FACILITIES

- 930 KOGA NE OGALLALA: DAY POWER TO 5000 WATTS
- 1160 WPIE NY TRUMANSBURG: RELOCATE XR (NEW STATION NOT ON THE AIR)
- 1190 KXKS NM ALBUQUERQUE: POWER TO 10000 WATTS
- 1400 WPAS FL ZEPHYRHILLS: RELOCATE XR

## OTHERNESS

- 660 KGDP CA ORCUTT: TARGET DATE "IN 30 TO 60 DAYS"
- 710 CHYR ON LEAMINGTON: HAS DROPPED THE 730 KHZ NIGHT OPERATION FOR GOOD, BECOMES U4 ON 710 KHZ. A LITTLE BIT OF RADIO HISTORY IS GONE!
- 1030 KKJC MO BLUE SPRINGS: STATION IS SILENT PENDING SALE IN APRIL
- 1360 KBUK TX BAYTOWN: STATION IS SILENT BUT SOME OPEN CARRIER TESTING IS BEING HEARD HERE RECENTLY
- 1440 WCHB MI INKSTER: IS "IN THE PROCESS OF ACQUIRING LAND" FOR THE MOVE TO 1200 KHZ, AT THE EARLIEST THE MOVE WOULD BE "LATE THIS YEAR"

## THANKS

A NICE TURNOUT OF OTHERNESS CONTRIBUTORS THIS ISSUE: JAMES NAHIRNIAK, DAVID LEWIS, BOB HARRISON, MORRIS SORENSON AND CONRAD DUROCHER!

73 AND GOOD DX, *Dany & BKF* JERRY STARR & BUFFALO K. FOONMAN

NOTICE: AM SWITCH WILL BE MISSING FROM THE NEXT DX NEWS AND DEPENDING ON DEADLINES AT HQ MAY BE MISSING FROM THE NEXT TWO ISSUES DUE TO OUR UPCOMING TRIP TO DAYTONA, FL FOR THE RACES. YOU WON'T MISS A THING, HOWEVER SINCE THE NEXT AMS WILL CATCH UP ON ALL THE INFO THAT GATHERS WHILE WE'RE GONE. AS I TYPE THIS OUR WIND CHILL IS MINUS 42 HERE IN OHIO AND I'M READY TO GO!!!!

# DOMESTIC DX DIGEST - EAST

William Hale  
2160 Farm To Market Road, Johnson City, NY 13790

## MEDIUM WAVE ramblings

- My mail lady has told me that all mail addressed to "2610" will be sent to Kiev, Russia. Especially if it's DX! I don't quite understand, but please send your DX to 2160 Farm To Market Rd. Thanks, and Comrade Boris sends you his TXAKC, also.
- Dave Hascall writes to say he's got QRM problems, thus his lack of participation lately. But sends in two good catches, plus (attn: Don Kaskay) he reports hearing WEAB-960-TN, previously unreported, as being the hilliest station he's ever heard. Better luck next time-hi, Dave.
- Remember, when reporting DX, keep it concise, type or print legibly, use one side of the paper, divide it into the appropriate sections (special, tests, etc), and get it in before it's 30 days old by one week before the pub session.
- TRIVIA TEASER: About 20 years ago the FCC decided to allow one other station on each of the 1- A Clear Channels. Below is a list of a few of these stations and their current frequencies. Fill in the blanks with the frequency each of these stations occupied before their move.

KBOI-670 ( ) KGYN-1210 ( ) KTWO-1030 ( )  
KDWN-720 ( ) KOFI-1180 ( ) KVEE-1100 ( )  
KCKN-1020 ( ) KKOZ-770 ( ) and before that ( )

Answers can be found below.

- Got a trivia question about AM radio? Send it, along with the answer (I get to peek) and reference to me and we'll get it into print pronto. Full credit will be given, naturally.
- Hurry and get your April Fool's DX in before March 12th.
- Looks like the WWW test was widely heard. Thanks to John Malicky for setting it up.

REFERENCE: THE STEEL TRAP MIND OF JERRY STARR  
KCKN-1020 (1230) KKOZ-770 (1030) AND BEFORE THAT (1180)  
KDWN-720 (930) KOFI-1180 (930) KVEE-1100 (920)  
KBOI-670 (950) KGYN-1210 (1220) KTWO-1030 (1470)

TRIVIA ANSWERS

## SPECIAL

- 790 CIAO ON BRAMPTON - first noted w these CLs (pronounced CHOW) on 1/26 @ 2144; apparently dropped CKMW for this sometime earlier as they are listed as CIAO in current Brampton telephone directory; format is still ethnic, w some EE ROK (MS-ON)
- 830 WADU LA NORCO - 1/21 1818 w strong, stronger than KBOA, which had just pulled the plug; IDs as Gold Rush R. 83, Norco, ments of St Charles Parish; gone @ 1831, pwr drop/pattern change; another DENIED CP (per AMS V54, I28) LIVES! (WPF-IN) (Another one that slipped through, I guess-WRH)
- WADU LA NORCO - 1/10 1820-30 L&C, way atop WAC; still fair > 1830 power cut; new stn on the air (MD-GA)
- WADU LA NORCO - 1/19 1745 w we'd like to take this opportunity to thank you for listening to WADU, Gold Rush R. (OC-PA)
- 1010 WDLE AL DORA - 1/20 1733 in w sps rx on WDLE; ments of Jasper & Dora, also sounded like a ment of Pixley (can Green Acres and Crabwell Camera be far behind?); Southern-accented anncr gave phone # as 648-3243; 1st-timer W06W-ish mx; have listed as ACR, so possible format change here (WPF-IN)
- 1190 WELX PA HUGHESVILLE - formerly WBUG, now simul FM 103.9 from Williamsport, PA; uses slogan The Hot FM-103.9 WHOT; lgl CLs are WHTO, but rarely, not even @ :00, use them; format: T40/ROK (GV-PA)
- 1290 WNBC NY BINGHAMTON - 2/6 noted OFF @ 0345 tune-in, back w 0545; no DX noted, however; rats! (WRH-NY)
- 1360 KBUK TX BAYTOWN - has been silent since mid-December, but did hear OC @ LSS on 1/25 (CD-TX)
- 1400 WLKK PA ERIE - (the old WJET, then WBLQ, and Q-1400) changed its CLs to WLKK using the old WLKK's, which went out of business a couple of years ago; had been Erie's only minority-owned stn; format changed from rap, jazz, R&B & GOS to C&W mx; a victim of low ratings, once having a staff of 17, now down to 5 full timers (FW-PA)
- 1580 WRNS NC KINSTON - 1/16 2345-0111 fair-good W06W mx, many FM 95 & WRNS ments; even IDd STL link WLD451 on 948.650 & 948.3750, but no ment on AM; also sed that WRNS is an equal opportunity employer; not listed in Log, anyone know their power? (MS-ON) (Nay, sez I. Kinston [WRNS-95.1] is only 40 miles north of Camp Le Jeune [WJIK, which is still on 1580, I think]. See Issue 18, SPECIAL for another note on this guy. Maybe BKF knows what gives-WRH)

## DX/EQUIPMENT TESTS

- 630 WWW WV ST MARYS - 1/24 0001 poor-good on DX Test w Tts hrd easily, but VIDs were terrible, could only make out VV & St; strong W06W QRM; 1st-timer, never hrd on 1570 (WPF-IN)
- WWW WV ST MARYS - 1/24 0001 poor, w Tts, IDs; mixed W06W, W06W, W06W, etc (MS-ON)
- WWW WV ST MARYS - 1/24 0005-30 Tts OK, ID @ 0018; W06W most of the time (GV-PA)
- 1420 WIMS IN MICHIGAN CITY - 1/26 0428 noted W06W; this is becoming quite a regular event and tho it's a lcl, I'm reporting it just in case signal gets further than the state line or J. Malicky, whichever comes 1st-hi; their 6 towers are so small, they don't use the warning lights---used to though (WPF-IN)

UNIDS & UNIDS Id

- 630 UNID ?? - 1/24 0020 WSSB during WVVW test (MS-DN)
  - 990 UNID ?? - 1/22 0407-52+ 495.3 ZMZ?; simul of an FM 1/2 ment of Knoxville (TN); hrd WNOX just a few nights later, so can't be them; T40 mx, Ypoor+good @ times; looped NW+SE (WPF-IN)
  - 1580 UNID ?? - 1/27 0250-0331+ testing W6W mx & full scale tones; looped basically E+W; 9WVKO, in CBJ null (WPF-IN)
- MIDNIGHT TO MIDDAY**
- 590 WKHX GA ATLANTA - 1/26 0348-52 good W6W (Reba McIntire, Mac Davis, etc) on Kicks AM & FM; in WKZD/Cuban null, no W6W; 1st-timer (WPF-IN)
  - WOW NE OMAHA - 1/30 0340 C6W+spc, CLs @ 0349 back to C6W; 9KLBJ (JB-TX)
  - 630 WLAP KY LEXINGTON - 1/24 0001 poor, +partial ID, ment of Lexington, nx Yseveral items from Cincinnati; tik show hrd later may have also been them (MS-ON)
  - 660 WNBC NY NEW YORK - 1/30 0440 TC+spc & Rangers game this afternoon on 66, WNBC; ad for Woodbury Chrysler-Plymouth+KX 42 WNBC degrees (JB-TX)
  - 670-1020 Another BIG chat!
  - 1030 WXSS TN MEMPHIS - 1/17 0701-15 usually atop Ylittle WBZ QRM; lost when WBZE signed on; GOS mx & ads (HH-MD2)
  - 1220 KMYL TX MADISONVILLE - 1/29 0815 nx+lcl wx & this KMYL update has been brought to you by Madisonville Printing-I'm Joe Brown & good morning (JB-TX) (1st rpt of new stn on the air-WRH)
  - CKCW NB MONCTON - 2/6 0357-0402 good Yend of POP mx, DJ chit-chat, SID CJCW (relay), back+POP mx (WRH-NY)
  - 1250 CHWO ON OAKVILLE - 1/27 0343 in nicely YBBD/Adult Stds-type mx; 9WTAE, in WEMP null (WPF-IN)
  - 1260 CIHI NB FREDERICKTON - 2/6 0404 Y\$ 1-2-6+ROK mx (WRH-NY)
  - 1430 CJXX AB GRANDE PRAIRIE - 1/18 0903 Debra Brooks Ythe nx, 0905 car dlr ad, spc, 0910 we pay cash for the best nx tip...; ID as 14-30 CJXX, C6W; fair (NjW-MN)
  - 1450 KDRWt OD SILVERTON - 1/18 0846 briefly WKZJJ on noisy morning Ya ment of La Plata Cnty and CLs given; no lgl ID hrd (NjW-MB) (Not much o' that goin' 'round much more, those legal IDs-hi WRH)
  - 1510 CJRS PQ SHERBROOKE - 1/27 0353 strong! in WLAC null; a Frenchie evidently on some kind of net!CJTR-1140/CJRC-1150/CJMS-1280; great conditions to Canada all of a sudden (WPF-IN)

MIDDAY TO MIDNIGHT

- 600 CFCF PQ MONTREAL - 1/23 2256 arnct Good friends, great mx, AM six hundred, CFCF (CC-PA)
- 610 WUSQ VA WINCHESTER - 1/25 2053 ads+SID Q-1-0-2; fair YWIP (CC-PA)
- 660 WXIC OH WAVERLY - 1/27 1631 AC mx, ads, ID; hrd in my lcl QRM's SP-hi (DLH-IN) (This is correct city, Dave-WRH)
- 690 WTIK LA NEW ORLEANS - 1/19 1801 YBeatles tune+WTIX, your ?? mx stn (CC-PA)
- 820 WZYQ MD FREDERICK - 1/16 1800 Ylcl news (CC-PA)
- 830 KBOA MO KENNETT - 1/16 1802 wx brought to you by Greenland Water Beds (CC-PA)
- 850 WRMR OH CLEVELAND - 2/2 1740-55 fair+good YWKIX/WHDH/WEEU; MYL mx, ad for "Matchmaker" @ 221-4700 (GV-PA)
- 870 WMTL KY LEITCHFIELD - 1/23 1732-45 weak, but no WWL/WHCU; automated C6W mx; a few ads; Yoff @ 1745 Yment of 500 watts (GV-PA)
- 900 CFBR ON SUDBURY - 1/16 1900 FF nxcst by female, 1904 ID that sounded like L'heure C-F-B-R (easy for you to say-hi WRH) +Steve Winwood's Valerie; fair 9 CKBI-Prince Albert (NjW-MB)
- 930 WJBY AL RAINBOW CITY - 1/20 1746 ment of Auburn BKB tonight, Joy 93 slogan--REL?; 1st-timer here (WPF-IN)
- KWOC MD POPLAR BLUFF - 1/21 1813 Ywx on what sounded like News 93, KWOC; 1st-timer here, WSLI soon took over (WPF-IN)
- 940 WMAZ GA MACON - 1/20 1743 out of Miami Sound Machine tune, Thanks for relaxing with us, we're WMAZ, and we play beautiful mx in \$+Steve Lawrence OLD; 9WCPC (WPF-IN)
- WMAZ GA MACON - 1/19 1731 wx+nx item YSan Diego Charger QB Dan Fouts' Super Bowl Picks; faded to WCPC (CC-PA)
- WADV PA LEBANON - 1/16 1354-1428 usually well atop Ynil to little QRM from unID stn; wx, ads, C6W mx (HH-MD2)
- 1010 WGUN GA ATLANTA - 1/20 1728-33 out of REL pgm; promo for talent show to audition, call 861-5700, then 50,000 watts of power, WGUN @ 10-10 on your radio dial in Atlanta, GA+a country-ish REL song; 1st-time here, faded to, of all stns, WOLE (WPF-IN)
- 1020 WJEP GA OCHLOCKNEE - 1/17 1755-58 Ygood in KDKA null; clear Yoff Yment stn located 6 mi south of Ochlocknee on Hwy 3 (GV-PA)
- 1030 WXSS TN MEMPHIS - 1/23 2241-43 good, in WBE null YR6B; not hrd that often here (MD-GA)
- 1080 WTIC CT HARTFORD - 1/23 1751 fair 9WCII YID; hrd on car rx in Macon (MD-GA)
- WEEP PA PITTSBURGH - 1/25 1651 good, 9WNGX Yeps rpt; Merietta, GA still silent (MD-GA)
- 1180 KGOL TX HUMBLE - 1/29 1816-18 fair, 9WHAM/Cuban jammer YID, ad, promo (MD-GA)
- 1090 WCAR MI LIVONIA - 1/23 2223 faded in Yphone#462-WCAR 9CKKW/WBAL, then gone (CC-PA)
- KAAY AR LITTLE ROCK - 1/19 1806 Tex show+arnct This is KAAY, Little Rock+C6W; fair YWEEP/WAVE QRM (CC-PA)
- 1190 KLIF TX DALLAS - 1/29 1822-26 xint, way 9COWO YMister Trivia teletalk; thank to Gary Atkins for tip (MD-GA)

- 1210 WBIU LA DENHAM SPRINGS - 1/29 1829 xint, in WCAU null Ytrfc rpt & BFL mx, a change from OLD; gone @ 1830 power/pattern change (MD-GA)
- 1220 WKMT NC KINGS MOUNTAIN - 1/17 1821 Jimmy Swaggert song (that's right), ID, +more GOS mx; good, 9WGAR (CC-PA)
- WLSO VA BIG STONE GAP - 1/18 1744-45 weak, no sign of WGAR/Canadians; Yoff mentd microwave link, FM sister stn; rare, much-wanted catch (GV-PA)
- 1250 WTAE PA PITTSBURGH - 1/25 2202 fair, ending U. of Pittsburgh Panthers BKB; ID News-Talk R., 1250 WTAE; 2nd time ever hrd; Ysuper-local CHWO (MS-ON)
- 1300 WERE OH CLEVELAND - 1/26 1754 lcl nx+promo for boat show+Trans World Auto Leasing ad, phone 291-1300; good, Yunusually hvy WJAS QRM (CC-PA)
- 1330 WFBC SC GREENVILLE - 1/16 1813 PSA for 911 emergency phone# now in Greenville (CC-PA)
- WMLT GA DUBLIN - 1/26 1849 decent signal on plain Superadio; contest promo & ID; C6W or light POP mx (DLH-IN)
- 1340 WCBGt NC OXFORD - 1/26 1744 faded in briefly Ythis reminder from your friends ??? @ W-C-B-?; WCVI perhaps?; CL sounded like W-2?-B-? though (CC-PA)
- KTOW OK SAND SPRINGS - 1/29 2216 in & out during evening; Here at KTOW hrd (JB-TX)
- 1350 WOOP GA WARNER ROBINS - (no date) 1734 thru jumble on channel Yhvy splash from WYCB-1340; offer from WOOP Ystn address (HH-MD1)
- 1380 WRBQ FL ST PETERSBURG - 1/17 1753 Richard Marx tune+DJ John Rock 'n' Roll (what's in a name?-hi) YQ-105 slogan+condo ad YTampa Tribune ment (CC-PA)
- WRAQ NC ASHEVILLE - 1/16 1746 hrd W-R-A-Q atop freq, nothing else (CC-PA)
- WGUS SC NORTH AUGUSTA - 1/16 1745 Yoff, Yno SSB (CC-PA) (this is correct city, Chris-WRH)
- WRTD WV HINTON - 1/16 1747 arnct This is AM WRTD, Hinton, WV; faded out fast (CC-PA)
- 1390 WWOD VA LYNCHBURG - 1/17 1732 Broncos vs Browns NFL FB+The best country, WWOD, Lynchburg (CC-PA)
- 1400 WWIN MD BALTIMORE - 1/16-1820 female DJ YHere's ?? on WWIN+UC (CC-PA)
- 1410 WGGM VA CHESTER - 1/16 1657 fair ID & ment of Richmond mailing address (MS-ON)
- 1450 KGIW CO ALAMOSA - 1/15 2159-2337 in & out fighting KWHW Yad for Spencer's Sporting Goods & Rio Grande Savings & Loan; lgl ID @ 2200, lcl HS BKB game, 2 Stop 'n' Shop ads @ 2320 & 2326 as well; Ypoor+fair; verie back in 12 days (NjW-MB)
- 1460 WJYA GA BUFORD - 1/21 1737 out of lcl nx+BBD mx; quickly faded (WPF-IN)
- 1470 WJDY MD SALISBURY - 1/17 1838 ads Yments of Salisbury+CLs+UC (CC-PA)
- 1550 WAAY AL HUNTSVILLE - 1/17 1800 Genesis tune+lgl ID, SNN Nx (CC-PA)
- 1580 WTYO NJ HAMMONTON - 1/16 2355 fair, mixing YWRNS; ment of Philadelphia Flyers; ID WTYO 1580 Hammonton, where your friends are (MS-ON)
- 1600 WXVI AL MONTGOMERY - 1/17 1807 good, Ylocally-produced show about Martin Luther King (CC-PA)

REPORTERS:

- WPF-IN Wendell Ford//Westville, IN//ICF-2010
- NjW-MB Niel Wolfish//Winnipeg, MB//ICOM R71A + LW
- MD-GA Marc DeLorenzo//Warner Robins, GA//GE World Monitor + SM-1
- CC-PA Chris Cuomo//Verona, PA//Superadio II
- CD-TX Conrad Durocher//Houston, TX//
- JB-TX Jim Boehm//San Antonio, TX//IC-71A + 18" Coax loop
- FW-PA Frank Wheeler//Erie, PA//
- MS-ON Morris Sorensen//Milton, ON//HQ-150 w/SM-2; ICF-2010 barefoot
- DLH-IN Dave Haacall//Fortville, IN//DX-400 + Senserino Loop; Superadio
- GV-PA George Vanish//Trucksville, PA//RF-2600; car rx in garage
- HH-MD1 Hank Holbrook//Chevy Chase, MD//TRF barefoot
- HH-MD2 Hank Holbrook//Fair Haven Cliffs, MD//SP-600 + Colegrove Loop
- WRH-NY Bill Hale//Johnson City, NY//Superadio

WBAL-AM  
WBAL-TV  
WIYY-FM

3800 HOOPER AVENUE  
BALTIMORE MD 21211

73, Bill

Midwestern DX Get-together  
Easter Weekend  
Saturday, April 2 - Topeka, KS

Why not celebrate the end of the DX season with one last DX session? Join us in the capital city of Kansas from 2 pm. April 2 until ?? I'll provide soft drinks and munchies to get us through the afternoon. You provide any other refreshments that you prefer, good conversation, and perhaps a lawn chair, and we'll send out for something that evening. We may be able to set up a temporary beverage antenna in a long, narrow park two blocks from my house. If you're coming from a long way and want to stay over, you can find many motels nearby. I can also pick you up at Topeka International (hi!) Airport. If anyone is still around next morning, we'll invade the House of Pancakes for breakfast. Send an SASE to Paul Swearingen - 3132 SE Irvingham St. - Topeka, KS 66605-2948 and I'll send more details and complete information. I'm looking forward to it - why not join us for midwestern DXing and hospitality!

Nancy Hardy, 2301 Pacific Avenue, Aberdeen, WA 98520

It's time for another DDXD-West. Deadlines for receiving tips here for the column are Saturdays March 12 & 26, April 16, May 21, June 25. I'm not sure about the July one yet as our vacation falls around that time.

## MIDDAY TO MIDNIGHT

- 560 KSFO CA SAN FRANCISCO - 1/28 1524 fair-poor with area weather, IL, thru RF noise. Unusual noon-hour reception. (JW-OR)
- 610 KYJC OR MEDFORD - 1/28 1540 fair with promo for Southern Oregon Auction, spots for Grants Pass, ID. (JW-OR)
- 630 KWRO OR COQUILLE - 1/28 1548 food with spot ads for Coquille & North Bend, ID, MOR. (JW-OR)
- 1140 KKEY OR PORTLAND - 1/28 1745 fair with talk show, female anncr., PSA for Portland Center for Performing Arts, ID. (JW-OR) (Jack, my Log shows KKEY on 1150. Has it moved to 1140??--NH)
- 1360 KUIK OR HILLSBORO - 1/28 1848 fair with spots for Southwest Portland area, area traffic advisory. (JW-OR)

## MIDNIGHT TO MIDDAY

- 1140 KGEM ID BOISE - 2/1 0515 K-Gem IDs and Neil Diamond's "Holly Holy" o/u KRAK during what NRC Log shows as SP. Now an NSPer? (DL-HI1)
- 1170 KPUG WA BELLINGHAM - 1/18 0730 ID & into local newsmakers program in midst of KLOK/KV00 mess during usual futile search for WWVA. (DL-HI2)
- 1220 WSLM IN SALEM - MM 2/1 0611-0635 poor-fair on 438-watt PSA, o/YEB & WGAR. Male DJ, C&W music, lots of "WSLM AM & PM" IDs, Indiana Hoosiers EKB promo, etc. New, IN #1, state #37. (TRH)
- WGAR OH CLEVELAND - MM 2/1 0621 poor u/YEB, WSLM with C&W music, male DJ, "Good morning from FM 99.5, WGAR." Not needed, but rare here. (TRH-CA)
- 1230 KATO AZ SAFFORD - MM 2/1 0723-0738 poor u/KLAV. C&W music, IDs by man, ad for car dealer on Hwy. 666. New, AZ #64. (TRH-CA)
- 1250 KIKZ TX SEMINOLE - MM 2/1 0746-0756 poor, fading on 250 watts PSA. C&W music, male DJ with CST TCs & ID. New, TX #39. (TRH)
- 1410 KERN CA BAKERSFIELD - 1/28 0000 "Home of CSU-Bakersfield Roadrunners basketball" ID then into Ray Briem, in CFUN null. (DL-HI2)
- 1540 KSKQ CA LOS ANGELES - 1/28 0600 EE ID then back into SS. A real bomb. How long has this been going on? KNZS used to rule this roost. (DL-HI2)
- 1560 WQXR NY NEW YORK - MM 2/1 0555 fair-good o/unID AdCon station. Classical music, ID as "The Stereo Stations of the NY Times." (TRH-CA)
- 1580 KLOQ CA MERCED - MM 2/1 0655-0705 SS songs, male DJ with ID "Desde Merced California, K-L-0-Q Radio Callito," rooster crow after ID. New, CA #200. (TRH-CA)
- 1600 KUBA CA YUBA CITY - 1/28 0050 40th anniversary IDs & modern country format (not indicated in log) briefly atop KMNY/KGST. Probably the unID C&W noted on other SRS/SSS occasions. (DL-HI2)
- 1610 TIS WA CHIEF JOSEPH DAM - 1/28 0650 poor signal with male voice. Mentioned Chief Joseph, lake depth, power generation capacity, (2.5 million kw), Columbia River, the naming of the dam for the Chief of the Wallula Indians. (JW-OR)

## REPORTERS

TRH-CA/Tim Hall, Chula Vista, CA/Sony ICF-2010, Radio West loop  
DL-HI1/Doug Lamerson/Honolulu, HI/Superadio II, unamp. spiral loop  
DL-HI2/Doug Lamerson/DX'ing from Kaneohe, O'ahu, HI/Superadio II, unamp. spiral loop  
JW-OR/Jack Woods, Waldport, OR/ICF-2010, Martens loop

**KJLA-1520AM**

305 West 14th Street • Sioux Falls, SD 57101 • 605-335-8800

**KNND**

January 1988 - SUPERCEDES ALL PREVIOUS LISTS AND ORDER FORMS WHICH SHOULD NOT BE USED. Number of pages indicated by ( ).  
MINIMUM ORDER - THIS PAGE - TOTAL - US\$2.00

## ANTENNAS

- A1 HIGH PRECISION DIRECTION FINDING ON THE BCB, PARTS I & II. G.P. Nelson. Part I uses Maxwell's equations to derive the equations describing MW direction finding with a loop. Part II is a non-technical discussion of how a loop antenna operates and how to get the most out of a loop. (12)
- 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. This 1965 forerunner of the Pattern Controlled Loop. (1)
- A3 A VERSATILE LONGWIRE ANTENNA COUPLER. R. Foxworth. How to get the maximum amount of signal from your longwire. (3)
- A4 ROLL YOUR OWN (LOOP THAT IS...) D. Fischer. Loop won't tune the entire band? This article describes what's wrong and how to cure it. (3)
- A5 LOOP DISTORTION: WHY GET SKEWED? G.P. Nelson. Discusses origin of distorted loop patterns. Unique technical material not available elsewhere; a must for those interested in designing MW loop antennas. (4)
- A6 PATTERN CONTROLLED LOOPS, PART I & II. G.P. Nelson. Introduction to theory and practice of pattern controlled and cardioid loops. (9)
- A7 THE FLORIDA BEVERAGE. J. Conrad. Jerry describes the fantastic results with a Beverage antenna and compares it with others he has used. (3)
- A8 THE CARE AND FEEDING OF A WAVE ANTENNA. J. Starr. Practical construction hints for a Beverage antenna. (3)
- A9 DOWN TO EARTH GROUNDS. G.P. Nelson. Hints on making low resistance ground connections for terminating a Beverage antenna. (3)
- A10 A CALIFORNIA BEVERAGE. Fr. Jack Pejza. Another article describing the spectacular results obtained with a Beverage antenna. (2)
- A11 THE SUPER SIGNAL SNATCHER. D. Fischer. Article describes the theory of the Beverage antenna. Includes equations, tables, many diagrams. (14)
- A12 THE VERTICAL PICKUP PATTERN OF THE MW LOOP ANTENNA. G.P. Nelson. Helpful information for those doing horizon blockage experiments with a loop antenna. (4)
- A13 USING TWO ANTENNAS TO GENERATE ASYMMETRICAL RECEIVING PATTERN. M. Levintow. Shows and describes 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. Reading of reprints A5 and A6 are a requirement for understanding this technique. (3)
- A14 A 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. Evaluates this recent development in MW antennas and its application to Medium Wave DXing. (4)
- A16 MORE ON BEVERAGE ANTENNAS. Wes Boyd. An update on Beverage antenna theory and application. (2)
- A17 MORE FERRITE LOOP ANTENNA INFO. Dallas Lankford. Several inconsistencies in ferrite-core loop antenna theory are discussed. (3)
- A18 THE BOB FLICK LOOP. Bob Flick. Complete construction details for this variation on the standard air-core box loop - one that is octagon-shaped. (7)
- A19 NEBE: THE NEBRASKA BEVERAGE. D. Fischer, C. Dabelstein, R. Mitchell. A discussion of the Nebraska Beverage and the results of its use. (7)
- A20 THE LSQA-1. Ron Schatz. Complete construction plans for building the Loop Sense Cardioid Array. Not a project for Beginners !! This antenna system is complex to build and operate. Should yield a unidirectional receiving pattern if operated properly. (10)

- A21 **THE APT-2 ACTIVE ANTENNA TUNER.** Mark Connelly. Complete construction details to build his active parallel tuner with regeneration capacity - a worthwhile addition to your shack; further improved version described in A22. (19)
- A22 **THE APT-3: AN IMPROVED DESIGN ACTIVE PARALLEL L-C TUNER.** Mark Connelly. A companion piece to A21 that makes several improvements to the APT-2 that simplify it's operation. ( )
- A23 **MODULAR PHASING SYSTEMS.** Mark Connelly. Introduction to and theory of an improvement in phasing system design that will outperform previous systems. (10)
- A24 **A LARGE APERTURE FERRITE CORE LOOP ANTENNA FOR LONG AND MW RECEPTION.** J. Hagan. Details and theory for the construction of this new type of DX antenna. (14)
- A25 **A NOVEL APPROACH TO BUILDING YOUR OWN BCB LOOP.** M. MALONEY. New ideas for improvements in ease of operation and sturdiness of loop antennas. (4)
- A26 **THE MWDX-2 PHASING UNIT.** Mark Connelly. Construction of this versatile phasing unit is explained; this unit outperforms it's predecessor, the MWDX-1. Includes latest design enhancements. (13)
- A27 **SEVEN PASSIVE TUNERS.** Mark Connelly. If you live near strong locals, and/or use a lower-priced solid state receiver, this article will introduce you to many different tuner designs that can help you dig out that DX. (11)
- A28 **ANALYSIS OF THE BEVERAGE ANTENNA.** C. Hutton. This lengthy article is divided into two parts: the first giving basic theory of the Beverage antenna and the second dealing with two wire phased antennas. Filled with calculations and features 35 illustrations. (26)
- A29 **REMOTELY-CONTROLLED ANTENNA TUNER RT-1.** Mark Connelly. An Introduction to the design of a device that allows remote tuning of a loop or wire antenna from distances of at least 50 feet or more. (7)
- A30 **REMOTELY TUNED DIRECTIONAL LOOP ANTENNA.** E.L. Cummins. Shows how the limitations of a very poor shack, in this case a mobile home, can be overcome by use of an outdoor, remotely controlled, loop antenna. Mr. Cummins gives many practical points for others wishing to experiment with remote antenna installations. (11)
- A31 **SIMPLE CHEAP AND EFFECTIVE PRESELECTOR-LONGWIRE TUNER-AMP.** B. Sherwood. This construction project will result in a device which not only will tune your longwire, but will amplify the signal as well. Schematic and brief instructions are given. (4)
- A32 **THE MWDX-2A PHASING UNIT.** Mark Connelly. Improvements on the design of the MWDX-2 unit described in A26. This is a companion piece as construction procedures in A26 remain essentially the same. contains new schematic and instructions for use. (7)
- A33 **ANTENNAS FOR AM BROADCASTING.** Steve Kennedy. Gives a brief history of early station antenna systems and explains what types are in use today. (4)
- A34 **SOME ANTENNA EXPERIMENTS - PART I.** W.R. McIntosh. Ever heard of a "helical longwire"? This article shows how DXers with limited space can use this experimental design for a compact antenna with good results. (3)
- A35 **THE PHASE ONE - A Delay Line Phasing Unit.** Gerry Thomas. Description of an improved phasing unit design that can be home-built or is available in kit form. (3)
- A36 **LOOP-LONGWIRE COMBINED ANTENNA.** P. Swain. A look at the use of "sensing" antennas for both DXing and direction finding. (3)
- A37 **LOOP ANTENNAS -- THEORY AND PRACTICE.** Dallas Lankford. A technical discussion on loop antennas that surveys other available literature and develops guidelines for loop design. (9)
- A38 **EXTREMELY LINEAR ELECTRICALLY TUNABLE ACTIVE RECEIVING ANTENNA.** Hopf & 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, yet effective tuner that can eliminate mixing spurs caused by strong locals -- a big help for urban/suburban DXers. (2)

- A40 **AMPLIFIED PHASED SHORTWIRES.** Mark Connelly. A must for the apartment or trailer DXer. This detailed construction article explains an effective antenna utilizing an SMC and a phasing unit to create a viable DXing system. (8)
- A41 **THE KOWALSKI LOOP.** Neal Perdue with comments from Paul Kowalski. A first-hand account from a satisfied user of this new-generation ferrite core loop antenna. A nontechnical review, with comparisons to the SM-2. (2)
- A42 **THE MWT-1 FAMILY OF ANTENNA TUNERS.** Mark Connelly. Description and construction plans for the MWT-1, Mini MWT-1A, 1B and 1C antenna tuners. (28)
- A43 **RT-1 REMOTELY-TUNED ANTENNA TUNER.** Mark Connelly. Complete description and construction plans. (16)
- A44 **THE MINI MWDX-3, A simple, Effective Phasing Unit.** Mark Connelly. Description and construction plans for a superior one-box phasing unit are discussed. (21)
- A45 **THE MWDX-4 FAMILY OF PHASING UNITS.** Mark Connelly. Construction and use of two similar series of phasing units for reception enhancement. (25)
- A46 **WIND A COMPLETE-COVERAGE COIL FOR THE RADIO WEST LOOP.** Fritz Mellberg. A simple project to eliminate the need to change coils during tuning of the entire MW band on this popular 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)

## RECEIVING EQUIPMENT AND TECHNIQUES

- R1 **SPURIOUS SIGNALS & SPURIOUS SIGNALS REVISITED.** P.J. Edmunds and G.P. Nelson. Many DXers hear stations on frequencies where they don't belong. Article describes causes and cures of spurious MW signals. Especially valuable if you have powerful locals nearby. (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 fit mechanical filters to an existing receiver for the ultimate in adjacent channel rejection. This technique is widely used by many top MW DXers. (22)
- R3 **SUBAUDIBLE HETERODYNES ON THE MW BCB.** G.P. Nelson. Details on a technique which permits the MW DXer to detect and characterize signals too weak to hear at the time; also allows the DXer to count the number of stations on a channel--even if no programming is audible and permits direction finding on channels with several stations present. (6)
- R4 **THE ICOM IC-R70 PBT & PREAMP MODIFICATIONS.** Don Moman - Canadian Int'l DX Club. Step-by-step instructions that will allow this receiver's SSB PBT filter to be used for improved performance. (2)
- 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. Very useful if you have strong locals. (4)
- R6 **ELECTRONIC VERNIER TUNING.** R. Moore. Detailed instructions on how to fit a varactor to a MW receiver to provide fine bandspread. (4)
- R7 **MECHANICAL FILTERS FOR THE HQ-180.** Jerry Starr. Complete details on the conversion of the popular Hammarlund HQ-180 receiver to mechanical filter operation. Order with R2. (6)
- R8 **SONY ICF-6500W SELECTIVITY MODIFICATION.** Gerry Thomas. This DX portable described in "RRS" is made even better through the installation of a narrower IF ceramic filter -- instructions included. (4)
- R9 **RECEIVER/ACCESSORY INTERFACES MADE SIMPLE AND CHEAP.** R.J. Edmunds. A discussion of methods of interconnecting DX equipment. (6)
- 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, an instrument now within the budget of the average serious DXer. (3)

- R12 **THE FM-3 FREQUENCY MARKER STANDARD.** R. Foxworth. A review of operation, how to make the proper connection to the receiver, and some modifications incorporated by the author to permit full use of the unit's capabilities. (8)
- 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 new noise filtering device and its applications in MW DX. (3)
- R15 **REVIEW OF THE HEATH SB-620 SPECTRUM ANALYZER.** R. Foxworth. A comprehensive and detailed analysis of the unit's operation and uses as related to MW DX'ing. (32)
- R16 **THE WORCESTER LONG DISTANCE AM RECEIVER.** J. Worcester. A stage by stage description of the construction, theory and circuitry of a new type of AM DX receiver. (25)
- R17 **BUILD YOUR OWN AUDIO FILTERS.** P. Sullivan. A somewhat technical theory and construction article on inexpensive homebrew audio filters for the DXer. (8)
- R18 **TWO METHODS OF DIGITAL READOUT FOR THE TRF.** C. Hutton, Bill Block, and Frank Aden, Jr. You've already "souped-up" your TRF with the numerous other modifications - now add digital readout! One method for a built-in, and another for an outboard readout are explained. (5)
- R19 **A BRIEF REVIEW OF THE AUTEK QF-1 AUDIO FILTER.** C. Hutton. A non-technical review of this new noise and interference filter. (2)
- R20 **A FREQUENCY COUNTER FOR RECEIVER TUNING.** R. Foxworth. A very thorough paper on digital readouts & 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". Very thorough. (13)
- R21 **AM STEREO - FOUR SYSTEMS IN AN OPEN MARKET.** Arnim Littek. If you've been wondering about the various systems now available, this article explains the strengths and weaknesses of each, complete with diagrams of how each system works. (6)
- R22 **THE LYNODYNE CRYSTAL WIRELESS RECEIVER.** R.W. Tuggle. The concepts of vintage crystal radio are incorporated in these detailed construction plans for a simple receiver, offered as a sporting alternative to modern receivers; yet it has the potential for real DX. (2)
- R23 **DIVERSITY RECEPTION.** C. Hutton. Using more than one antenna and receiver in an effort to reduce fading and interference on one frequency. This article deals briefly but concisely with the basics of "DR" and how it can be applied to Medium Wave DX. (1)
- R24 **TIPS ON REMOTE TAPING.** R.J.Edmunds. Are you going away during that rare DX Test? This article explains several methods you can use to turn your receiver and recorder on while you are otherwise occupied. Useful with R9. (2)
- R25 **STRONG SIGNAL HANDLING.** C. Hutton. This technical article explains that sensitivity and selectivity are not the only, nor the most important, considerations in a receiver. (6)
- R26 **RECORDING JACKS FOR RECEIVERS.** Dave Arbogast. A simple step-by-step procedure is outlined for adding a tape jack to almost any receiver. (1)
- R27 **TAPE RECORDING HINTS.** Mark Connelly. A complete method of radio-to-tape interfacing for portable radios is detailed, complete with schematics and parts lists for construction. (4)
- R28 **CONVERTING THE R-390A POWER SUPPLY TO SOLID STATE.** Charles Taylor. A conversion process to change the older high voltage tubes to solid state diodes is described step-by-step. (7)
- R29 **R-390A ALIGNMENT CHART.** Charles Taylor. A step-by-step procedure for optimizing your R-390A's performance. (5)
- R30 **MCKAY-DYMEK DP-40 PRESELECTOR.** R. Foxworth. A non-technical description of of this useful filter accessory, plus some modifications to improve its performance. (2)
- R31 **THE SUPER HQ-180.** Dallas Lankford. Add a Collins mechanical filter to your "180". While not a "how-to" article, problems and results are discussed. (4)

- R32 **HQ-180A ALIGNMENT WITHOUT A 60 KHZ SOURCE.** Dallas Lankford. Although most RF signal generators do not tune below 100 KHz., the HQ-180A's 60 KHz IF can be aligned with a 455 KHz source. This reprint tells how. (4)
- R33 **R390A/URR PTO ALIGNMENT.** Dallas Lankford. The alignment procedure to achieve exact end-point alignment in the R-390A PTO tuning is detailed. See R28, R29, R34, & R35. (3)
- R34 **INSIDE THE R390A PTO.** Dallas Lankford. An in-depth article that explores the PTO tuning in the R-390A and shows how to improve it's performance up-to-specifications. See also R28, R29, R33, & R35. (4)
- R35 **THE R-390A ON LONGWAVE.** Craig Healy. The author tells of a simple and inexpensive method to modify the R-390A to tune below 500 KHz. (2)
- R36 **THE BBA-1 BROADCAST AMPLIFIER.** Mark Connelly. A project suitable for beginners which will increase the gain from your loop antenna. With it's simple operation, you can get those catches that would have been lost in the receiver's noise. (11)
- R37 **THE GENERIC HQ-180 IF ALIGNMENT.** William Marvin. Now, the non-technical DXer can keep his HQ-180 in top performance at all times with this procedure that requires no test equipment. (4)
- R38 **VARACTOR DIODE APPLICATIONS FOR DXERS.** Mark Connelly. Discussion of the advantages and disadvantages of substituting the varactor diode for the variable capacitor in various DX projects. (10)
- R39 **A "KNOCK-YOUR-SOCKS-OFF" REGENERATIVE PREAMP.** Ray Cole. A simple-to-build preamp that promises to nearly double your receiver's ability to dig weak signals out of the noise. (1)
- R40 **THE TUGGLE CIRCUIT.** Ray Cole. Build yourself a simple but sensitive signal snatcher -- a super crystal set! See R22. (2)
- R41 **THE DX TIME-MACHINE.** Craig Healy. Use your VHS VCR to record all or part of the AM Band for later listening! It may have started as an April Fool's joke, but with the modifications described, it really does work!! (3)
- R42 **NOISE AND SIGNAL LEVELS ON THE BCB.** Marc Bergman. How much sensitivity does a receiver need? A practical view of signal level vs. BCB noise levels. (15)
- R43 **CERAMIC FILTERS.** Marc Bergman. A listing and description of the most commonly available ceramic filters, with data from tests by the author. (9)
- R44 **THE HQ-180 SERIES RECEIVERS SENSITIVITY TEST.** Dallas Lanford. Weak or bad tubes are the cause of many receiver problems and this simple test will help pinpoint them. (1)
- R45 **REPLACING THE R70's PBT FILTER.** Gerry Thomas. Step-by-Step instructions to put in a better ceramic filter in your R70s passband tuning circuit. (3)
- R46 **SURPLUS MECHANICAL FILTERS.** Marc Bergman. Test results of several reasonably-priced and available mechanical filters. (3)
- DOMESTIC DX**
- D1 **1570-1580 STATION LOCATION MAPS.** Two maps pinpointing the locations of all domestic stations operating on these superb sunrise/sunset skip channels. A valuable aid to the sunrise/sunset DXer. Updated in 1983. (2)
- D2 **IT TAKES TWO TO VERIFY, PLUS HELPFUL HINTS.** J. Murley & R. Schiller respectively. If you are unhappy with your domestic QSL returns, read this article on the station's attitude toward reception reports. Also, veteran DXer Ron Schiller gives tips on increasing your returns. (4)
- D3 **THE DX TEST FROM A STATION'S VIEWPOINT.** Bill Croghan. A broadcaster gives some hints from his vantage point to help you arrange more DX tests and obtain more verifications. (1)
- D4 **WHAT IS A PRE-SUNRISE AUTHORIZATION?** R.J.Edmunds. Some U.S. stations are authorized to operate with powers such as 14.3 watts during certain hours this article explains why. (3)

- D5 **LONG DISTANCE RECEPTION OF DX TESTS.** F. Dailey. Are you thinking about asking a station to do a DX test? Here are some proven techniques that, if used by the station, could make it easier for DXers to hear the test. A must for novice CPC members. (1)
- D6 **MAKING THE BEST OUT OF PREPARED-CARD VERIES.** Kelly Andrews. Ideas to show you how to obtain those elusive veries through imaginative and creative prepared cards. With numerous samples. (3)
- D7 **ACCURATE DISTANCE DETERMINATION FOR GY DX'ERS.** Bill Hale. A method for determining distance of local-channel stations for the listener is presented, along with a table of geographic coordinates for every U.S. city with a GY station. (17)
- D8 **ALASKAN RADIO.** Rod O'Conner. Most recent information on Alaskan MW stations, including a map. Also includes a supplement on Alaskan Forces Radio Network. (5)
- D9 **THE MSP 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. For various reasons, some stations are audible at sunrise and sunset only. This article explains the reasons. (4)
- D11 **GRAVEYARD DX.** R. Foxworth, with addition by M. Levintow. This article tells you how to DX those cluttered local channels and get results. (15)
- D12 **CANADIAN FAMILY LIFE...IT'S TWINS.** Explains why many station "families" exist in Canada. List of station groupings as of Nov. 1978, with 1979 - 1980 updaters. Includes LPRTs and other stations of better DX potential. (6)
- D13 **THE POST-SUNSET AUTHORITY -- A DAYTIMER'S DILEMMA.** Jerry Starr. Light is shed on the confusing situation of "PSSA's" with first-hand information from the FCC. (4)
- D14 **GRAVEYARD STATION MAPS.** Bill Hale. Useful maps for those who like the challenge of "dead" frequency DX. Includes station listings for each graveyard frequency. (13)
- D15 **SOME TIPS ON IDENTIFYING UNIDS'S.** R.J. Edmunds. Offers practical tips on how to ID stations using reference materials and deductive logic. (2)
- D16 **SUNRISE SKIP.** R. Kramer. Practical explanation of how to add stations to your log through understanding of pre-sunrise authorities, 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-wattners of today, a concise history of the "big boys" in broadcasting. Includes WLW, Doc Brinkley, and more. (3)
- D18 **QSL'ING THE LOCALS.** Skip Arey. Some novel approaches and ideas for extracting a verie from your local stations. (1)
- D19 **DXING: HOW TO "UP" YOUR TOTALS!** John J. Rieger. An antedote to "DX Burnout" and proof that there is DX after the first 1,000! Tips to help the seasoned pro with these problems as well as good advice for the novice. (3)
- D20 **WHO'S ON FIRST?** Bruce Conti. A controversy has always existed as to what was the first broadcasting station in history...was it really KDKA? This article answers that question. (4)

#### STATION LISTS

- L1 **FREQUENCY CHECK LIST.** Joe Fela. Many U.S. stations run equipment tests at regular intervals and times. This list is a valuable aid to new loggings. Updated yearly. (4)
- L3 **CUBAN STATION LIST.** This up-to-date listing is a handy resource for the International DXer. Updated yearly. (4)
- L4 **NONDIRECTIONAL AERONAUTICAL BEACONS.** D. Davis. An explanation of the types of beacons found in and near the MW band, plus updated listing of aeronautical beacons. (6)

- L5 **BROADCASTING IN GERMANY.** Annim Littek. Beside a detailed listing of MW operations in Germany, there is included an overview of German broadcasting and networks, plus hints to help hear German stations in the U.S. (6)

#### FOREIGN DX

- F1 **DXING CENTRAL, SOUTH AMERICA AND THE CARIBBEAN.** Mark Connelly. New 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. Valuable information is offered here from a practical standpoint to the DXer trying for his first Trans-Atlantic receptions. (2)
- F3 **PORTUGUESE FOR DX'ERS.** R. Schatz. Describes the important and unusual features of this language; a must if you DX Brazil. (2)
- F4 **TA DX'ERS GUIDE TO SUNRISE-SUNSET TIMES.** Mark Connelly. A handy reference to SRS-SSS times with extensive tables for many locations to aid the TA DXer. (4)
- F5 **HUNTING LATINS BY MUSIC.** R. Schatz. Describes types of LA music indigenous to various countries and tells 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 DXer 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 helping the Eastern U.S. DXer log LA and South American stations. (5)
- F8 **STATION IDENTIFICATION.** An invaluable aid to the foreign DXer with tip on how to ID stations in nearly 50 languages! (2)
- F9 **SOME EASY TA'S.** Dallas Lankford. A guide for the beginning TA DXer to some of the most easily-heard TA's. (2)
- F10 **ID'ING JAPANESE BROADCAST STATIONS.** Charles Taylor. A must for the West Coast DXer - Helpful hints to make a seemingly difficult task much simpler, without actually knowing the language. (3)
- F11 **ITU FREQUENCY ALLOCATIONS AND THEIR IMPACT ON TA DX'ING.** Mark Connelly. Trying for TA's on their new frequencies? What are your chances of logging a specific station? All Region 1 Medium Wave frequencies are listed and what should be heard under good conditions. (6)
- F12 **COMMON SENSE TA DX STRATEGY.** Mark Connelly. Practical hints are given for newer DXers to hear Trans-Atlantic stations. (2)
- F13 **THE ODDS ON EVEN TA'S.** Mark Connelly. A frequency-by-frequency look at the possibilities of hearing Trans-Atlantic stations on channels shared with U.S. and Canadian stations since the new Eastern hemisphere plan took effect. (10)
- F14 **YOUR FIRST 30 COUNTRIES IN ENGLISH.** Mark Connelly. A useful guide to novice or expert DXer alike; with a listing of the best bets by country. (6)
- F15 **CARIBBEAN MW DX GUIDE.** Mark Connelly. A Country-by-Country guide to what stations to listen for. A companion to F1. (4)

#### MISCELLANEOUS ARTICLES

- M1 **LOCAL SIDEBAND SPLASH: HOW MUCH IS TOO MUCH?** G.P. Nelson. Many DXers complain about certain local stations overmodulating and producing large amounts of interference. 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 that can wreak havoc on the Medium Wave band. (1)
- M3 **SUNRISE-SUNSET TABLES.** G.P. Nelson. These charts permit the DXer to determine accurate time of sunset and sunrise at any point in the world on any particular day. Very useful for international DXers. (9)

- M4 **RF INTERFERENCE AND THE HOME COMPUTER.** Bill Kruse, ANARC. Unfortunately, your home computer will cause interference on your DX rig unless precautions are taken; several 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. An understanding of the directional patterns used by North American Medium Wave stations is vital for the active domestic DXer. This series of articles explains in authoritative detail what patterns mean and how the DXer can fatten his log by understanding them. (35)
- M8 **RETAIL ELECTRONICS PARTS SUPPLIERS.** Compiled by Mark Connelly. A MUST for the experimenter and project-builder: a comprehensive listing of parts suppliers who sell in small quantities to the public; with addresses, phone numbers, and specialities of each source. (5)
- M9 **MORE ON HOW DIRECTIONAL ANTENNA PATTERNS ARE PRODUCED.** Wes Boyd. Supplementary information to the articles contained in the current edition of the NRC Night Pattern Book (1)
- M10 **SUPERMODULATION AND EFFECTS ON DX'ING.** Steve Kennedy. Discussion why there is overmodulation and how this problem will affect the DXing hobby for some time to come. (3)
- M11 **TERRAIN CHARTS FOR PROPAGATION PREDICATIONS.** M. Connelly. This article details a method to prepare a chart of a DXer's surrounding terrain which can help enhance or diminish reception. (3)
- M12 **NOISE LEVELS AND USABLE RECEIVER SENSITIVITY.** C.Hutton. Discussion, in technical terms, of the effect of noise on receiver sensitivity. (5)
- M13 **GREAT CIRCLE CALCULATIONS REVISITED.** Mike Tuggle, with an addendum by R.N. Allen. If you like to do calculations, this is the article for you! Mike explains how to figure distance and direction of stations mathematically. Richard Allen has written a computer program for use with the new "home computers" to figure the Great Circle paths. (4)
- M14 **HOME COMPUTERS AND DX'ING.** Mark Connelly. An introduction to the use of the new generation of home computers as an aid to DX record-keeping and calculations, plus additional programs for most popular computers. (5)
- M17 **SOME THOUGHTS ON INTERFERENCE.** Skip Arey. Got a light dimmer around that kills DX whenever it's on? A simple modification is explained to stop the noise. (1)
- M18 **MAN-MADE INTERFERENCE ON THE BCB.** Dallas Lankford. Presents a systematic approach for evaluating a current or future DXing location in terms of man-made noise levels. (3)
- M19 **DXING SAFETY TIPS?** Anon. (April Fools type fun) Protect your TRF with this simple modification. A redundancy safety fuse. (1)

## 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 trans-atlantic and trans-pacific stations. (2)
- 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 is discussed. (7)
- P6 **AURORAL EFFECTS AND THE 1969 TRANS-ATLANTIC LISTENING TEST.** G.P.Nelson. Brief simple description of how the geomagnetic and auroral phenomena control TA reception from various stations. Best general introduction to MW 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. The author compares on a daily basis for three months the various A-index measurements as reported by several major observatories. He tells how the indices are related to each other. (3)
- P9 **SKYWAVE OR GROUNDWAVE RECEPTION?** G.P.Nelson. How to tell whether the signal from a station you are listening to is arriving via ground wave or skywave, or both. (3)
- P10 **A BEGINNER'S GUIDE TO THE IONOSPHERE.** Fr. Jack Pejza. Radio Wave propagation is influenced greatly by the conditions in the ionosphere. This article explains the processes which change the ionosphere and the effects of these changes on radio waves. (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. While the A-index is a valuable tool, it is easily misinterpreted. This article shows why. (3)
- P13 **BCB RECEPTION DURING PERIODS OF HIGH AURORAL ACTIVITY.** G.P.Nelson. Describes the author's 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. No, it can't! This article shows how signals that should be blocked by the horizon can sometimes be heard. (10)
- P17 **TRANS-POLAR DX RECEPTION.** R.J.Edmunds. Are you looking for Asian DX more exotic than Urumchi-1525? 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. Further discussion of the nature of MW propagation. (6)
- P21 **DOMESTIC PROPAGATION-ANSWERS TO FREQUENTLY ASKED QUESTIONS.** R.J.Edmunds. A brief 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. A concise explanation of the Fredericksburg A-index as well as its use in the hobby is given in this article. Goes with P1, P6, P7, P10, P12, P13, P19, and P20. (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. An introduction to P24. (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.** G.Okliehn, 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. Amounts of various types of noise are compared to receiver sensitivity in this technical discussion. (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 EXPLISE.** Gerry Thomas. A "play-by-play" account of one DXer's experiences during this rare DXing opportunity. (2)
- 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. (8)
- P31 **A SURVEY OF AVAILABLE MW FIELD STRENGTH PREDICTION METHODS.** Randy Seaver. A look at what the broadcasting industry and its regulating bodies are doing and have done in the field of frequency propagation. (12)
- 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. Why do many DXers living in coastal areas hear truly exotic DX? It is because of the ocean itself...find out why. (11)
- P34 **A SURVEY OF AVAILABLE MW FIELD STRENGTH PREDICATION METHODS.** Randy Seaver. A summary of what the broadcasting industry and its regulating bodies have been doing over the past 50 years in the field of medium frequency propagation. (14)

## RECEIVER REVIEWS

- RR1 **RECEIVER COMPARISONS - WHAT DO THEY MEAN?** R.J.Edmunds. Certain problems arise when comparing product summaries and receiver reviews. The author explores these comparisons with an emphasis on MW DX. (2)
- RR2 **QUALITATIVE REVIEW OF THE YAESU FRG-7 RECEIVER.** G.Hauser. A detailed non-technical review of this popular communications receiver. (3)
- RR3 **DRAKE R7-A REVISITED.** Craig Healy. Comments from a satisfied user who found this modern-technology receiver an excellent replacement for his older R-390A. (2)
- RR4 **HEATH GR-78.** R.Schatz. (2)
- RR5 **BARLOW-WADLEY XCR-30.** M.Hardester. (2)
- RR6 **SONY ICF-6500W - THE PERFECT PORTABLE?** Gerry Thomas. This versatile and easy-to-operate portable is detailed, and put through a side-by-side comparison with the TRF & superadio - is it the perfect portable? See R8 for recommended modification. (4)
- RR7 **A NON-TECHNICAL REVIEW OF THE WORCESTER LONG DISTANCE RECEIVER.** J.Starr. A user's critical commentary of this revolutionary receiver. Built in limited quantities, this receiver is not readily available to most DXers. (4)
- RR8 **MCKAY-DYMEK DR-22.** J.Clements. A detailed, non-technical pre-production review. Mentions features, performance and how it measures up to receivers now in use. (3)
- RR9 **ICOM IC-R70 COMMUNICATIONS RECEIVER.** Vincent Pinto. An in-depth, technical look at a recent entry in the new breed of receivers - a surprising rig at a surprising price. See R4 for recommended modifications. (11)

RR10 **THE GE SUPERADIO-CASSETTE.** Michael Sapp. The famous GE Superadio with a new twist - an integral tape recorder! But is it as good as the original model? Read this article to see. (4)

- RR11 **ESKA RX 12 PL.** Rafael Calabuig (for DSCW). From Denmark comes a new portable built especially for DX applications. (2)
- RR12 **REALISTIC DX-400 TEST REPORT.** Bruce A. Conti. A user-report on how this lightweight general coverage receiver performs as compared to the portable DX standard -- the TRF. (3)
- RR13 **THE SONY SRF-A100.** Greg Monti and Albert S. Lobel. Two looks at the first low-cost AM-stereo portable receiver on the market. (5)
- RR14 **THE ICOM IC-R71A RECEIVER -** From the Australian "DX CALLING" Magazine. User review with commentary by the "DX Australia" Technical Team. (7)
- RR15 **UNIDEN CR-2021 VS. SONY ICF-6500W A COMPARISON.** Gerry Thomas. Two good digital-readout, microprocessor-controlled portables for under \$100 are compared performance-wise. Also, how to install a simple high-pass AF filter in the ICF-6500W is described. (3)
- RR16 **NRD-515 REVIEW.** Bob Foxworth. A detailed review and commentary on Japan Radio Corporation's newest receiver. (7)
- RR17 **REALISTIC TM-152 AM/AM STEREO TUNER.** Eric Bueneman. A brief, non-DX oriented review of what is touted as the "tuner of tomorrow". (1)
- RR18 **SURVEY OF HAMMARLUND RECEIVERS.** Dallas Lankford. This article should be read in conjunction with the Receiver Reference Manuals I and II. A summary of the full line of Hammarlund receivers suitable for BCB DX; with comparisons, modifications and hints when purchasing one. (8)
- RR19 **KENWOOD R-5000.** Don Mcman. A complete review of this new breed of receiver; includes performance results of it stacks against the ICOM R71 and SONY ICF-2010. (5)
- RR20 **THE GE SUPERADIO-PLUS.** Dick Truax. User first impressions and opinions of this digital-readout version of the popular GE "Superadio". (1)

## PRODUCT SUMMARY

- PS1 **DRAKE SSR-1 RECEIVER.** Bob Foxworth. (1)

# Radio Stations Adjusting To Move

The sweet sound of stereo on AM radio will soon be only a dial's reach away as CIHI joins a growing number of AM stations offering stereophonic music.

The switch to AM stereo, which is to be completed by no later than Feb. 1, is just one of several major changes at the station either recently completed or about to happen.

Foremost is the move last last year from the former headquarters at 364 Argyle Street to the station's new location on Rookwood Avenue in what used to be the former Fredericton Medical Clinic.

### New Tower

More important for the average listener is the new transmission tower now being installed on Royal Road at CIHI and its sister station, CKHJ-FM.

The new tower is expected to clear up reception problems which have plagued CIHI throughout its 10-year history.

"Right now that's the biggest advantage I'm anticipating," said Wayne Dion, director of operations at CIHI-CKHJ. "You are going to get a far improved signal."

### AM Stereo

Mr. Dion is excited about the move to AM stereo, which will be completed

when the new tower and its accessories are readied, although he said the major impact of AM stereo is still a few years off.

"I don't think that stereo AM is going to be, in terms of a real factor, significant for at least two years in this market. It's coming though, so we'll be sitting there being ready and on line as they are coming down."

Some auto makers are now installing radios with AM stereo capability in their vehicles and Mr. Dion expects others to follow suit.

### Several Reasons

He likes the move by AM stations to stereo for several reasons, one of which is almost an unspoken battle by AM radio to win back listeners attracted by the quality sound of FM.

Mr. Dion believes AM stations must accept part of the blame themselves, saying many have copied the "flavor" of FM radio and unintentionally turned listeners to the FM stations, which had the added attraction of stereophonic sound compared to the monophonic sound of AM.

"What's happened to AM radio in the rest of North America is they've all become FMers," he said. "They've copied the FM format and they've lost the feeling for AM and

now they're saying 'what are we going to do to correct this.'"

### Problem Solved

With the move to AM stereo, the "problem has largely been solved," said Mr. Dion, adding Maritime stations in general have stuck to the "higher energy level" he says separates AM from FM.

"There is a move now, and I've been following it in the trade, to do what we're doing here and that's to move back to an AM field of radio," he said. "Get it back to where people can tell the difference between an AM and FM station. You always have the feeling with a good AM station that things just booby along a little more than they do on the FM band."

Another plus Mr. Dion sees for AM stations with the advent of stereo is that signals are less likely to weaken or fade on AM frequencies as are FM stations.

### Back Up Transmitter

CIHI, which bills itself as the No. 1 station in the Fredericton-Oromocto market, has been operating on its back-up transmitter for the past week while the new tower is installed and readied. Mr. Dion hopes it will be the last time the station's signal has trouble serving its broadcast area.

Because of a frequency conflict

with a Boston radio station, CIHI has always had trouble reaching part of its listening audience, especially in the evening hours.

"With the problem about to be solved and stereo being added, he foresees even a brighter future for the station."

### Choice Of Music

Mr. Dion said CIHI, which is primarily geared to the 40 and under audience, is currently sitting No. 1 in Fredericton-Oromocto among the age 49 down audience. The station plays a broad expanse of rock music from the 1950s to the present but the station operations director said the station's personalities, as much as its choice of music, are the reason for its success.

It also gears itself exclusively to Fredericton and Oromocto and the immediate surrounding area.

"That's really what our strong, strong concentration is... because we feel very strongly that they're the people the station relates to and vice versa."

### Competitive

CIHI and CKHJ, which Mr. Dion said are very competitive when it comes to promotions and planning, compliment each other in the area of service to the public. Unlike its older rock sister, CKHJ is more tuned to country and lower volume contemporary music.

It also serves a much larger broadcast area running from Hartland to the outskirts of Saint John and has an especially strong following in the Minto-Boiestown areas, said Mr. Dion. It is half the age of CIHI, having gone on air five years ago.

The two stations have always shared office space although they have separate staff in most areas other than news, where reporters work for both stations. Mr. Dion said part of the reason for having two separate staffs is to encourage competition between the stations, which he feels keeps both on their toes and fresh.

### Get Outdated

"I subscribe to the Ford Motor Co. theory of checking your systems every six months because things get outdated very rapidly," he adds.

The next major change at both stations will be the huge task of converting their music libraries - much on albums, to tape and compact disc.

Mr. Dion said CIHI alone has some 5,000 songs in its current use repertoire, which he said is the largest of any radio station in North America.

### Tried To Win Market

Most stations, he notes, have tried to win a market share by selecting music of a certain type and era and sticking with it. It is a concept he find too limiting.

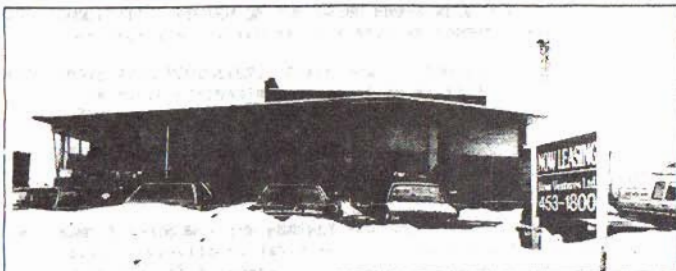
He's also bothered by the rise of "robot" stations, where hours of programmed music basically replaces the live deejay.

"If you drop the personality out of radio, why bother," he said. "I have trouble understanding why you would want people to think you are just a juke box in the first place."

"I think the people can tell the difference between a robot radio station and one that's programmed by humans. And the day I think that I ever have to program a station completely by computers is the day I'll go and do something else."



**OLD QUARTERS** - This is the former quarters of radio stations CIHI and CKHJ, which moved last year when the premises were leased to the provincial government. (Keith Minchin Photo)



**NEW HOME** - Forty-seven miles of electrical wiring had to be installed in the former Fredericton Medical Clinic when it became home to radio stations CIHI and CKHJ last year. The stations occupy about half the building. (Keith Minchin Photo)

Chuck Hutton, 1237 Lanier Blvd., Atlanta, GA 30306

404-873-2785 BEFORE 2300 ELT

Times are GMT

For ELT subtract 5 hours.

Deadline: Monday

- 162 FRANCE Allouis 1/31 0626 female talk then instrumental mx. 12/14 0634 log to IDXD #15 should read 162 KHZ, sorry. (Vernon) One more mistake like that and we'll have you banished to some cold place up north near the Arctic Circle where it's cold all the time - Chuck
- 162t USSR unid 1/30 1251-1304 mostly talk by male and female anncrs, bits of mx, no pips 1300; sounded RR to me. (Vernon)
- 189 USSR Blag 1/10 1649-1654 various mx w/male anncrs, xint sig // 153, 180. (Vernon)
- 530 ALASKA Nome 1.23 1338-1345 male with airport weather cx report good for 10 PM to 10 AM Saturday morning, xint sig. (Vernon)
- 655 EL SALVADOR San Salvador YSS noted signing off 0358 w/NA and full info 2/8. (Thomas)
- 660 HONDURAS Tegucigalpa HRNN18 noted in passing atop channel. Full ID (HRN LV de Honduras at 0455 2/6. (Thomas)
- 720 USSR Yuzhno-Sakhalinsk 1/23 1312 female soBnded like JJ talk, xint sig. (Vernon)
- 783 NORTH KOREA R. Pyongyang, Chongjin 1/30 1359 female anncr, then silence, 1400 male w/potentie ID, sounded like CC (musical type talk) rather than JJ listed in WRTH, good signal, but KNOM-780 kept turning on its OC, spoiled chance of possible pips 1400. (Vernon)
- 810 USSR Vladivostok 1/23 1326-1333 brief instrumental mx, male anncr w/intro to a story by another male anncr, spoke for couple of minutes, this repeated three times w/different anncrs, this possibly the "Radio Station Pacific Ocean" service station rarely heard here, was u/o KGU. (Vernon)
- 815 UNID weak SS male here 0130 10/26 and since. Always fades before ID. This used to be R. Atalaya HCVT2; loop agrees. (Thomas)
- 819 NORTH KOREA KCBS Wonson 1/30 1314-1328 massive choirs and orchestral mx, female anncr, lovely mx, xint sig, KCBF 820 no longer 24 hours, all this // 882. (Vernon)
- 846 KIRIBATI T3K1 Tarawa 12/23 0707 female native talk, xint sig, went into EE 0708 and started to fade. (Vernon)
- 855 NORTH KOREA PBS Sangwon 1/30 1658-1702 fair sig, female anncr, instrumental and choir mx, was in earlier, last Korean to fade. (Vernon)
- 882 NORTH KOREA KCBS Wonson 1/30 1406 choir mx // 819 but a bit weaker. (Vernon)
- 925 GUATEMALA San Pedro Carcha R. Imperial here 0303 10/30 with "La Bamba" and ID (shouted "Imperial" w/marimba). (Thomas)
- 954 JAPAN JOKR Tokyo 1/24 1259 bunch of comm (? Chuck), 1300 2 short 1 long electronic beeps, male anncr, JJ mx. (Vernon)
- 1008 USSR Kamchatka area 1/23 1359 unfamiliar IS, female mentioning programma, 1400 male anncr, 1402-1427 story, xint sig, 1507 noted OC and TT then gone, On longer than listed in WRTH, either for Saturday night program or test? Amazingly seldom heard here! (Vernon) Why I wonder..... Chuck
- 1008 JAPAN JONR Osaka 1/10 1631 male and female JJ talk, fair. (Vernon)
- 1026 CHINA not sure where 1/30 1342 CC opera, good sig, noted often of late. (Vernon)
- 1170 SOUTH KOREA R. Korea-Kimje 1/30 1343 woman talk, instrumental mx "popcorn", is listed w/CC service. (Vernon)
- 1206\*\*\*USSR unid 1/23 1459 Mayak IS Program 2 noted through 1542, wavey signal, this is an unlisted stn. (Vernon)
- 1251 USSR Vladivostok 1/23 1259 FS IS, 1300 male anncr w/CC talk, probably mentioning frequencies, then woman, had wire fence type audio, rare here. (Vernon)
- 1345- WEIRD strange goings-on here about 0230 10/27. Fair carrier detected on 1348 w/quick power cut. Re-appeared almost immediately on 1347 then quickly to 1345.5 where it settled. Looped Central America but never any audio. No ideas. (Thomas)
- 1415 UNID in most nights around 0400 with LA mx and soft spoken SS male. IDs are just unreadable here. Looped SSW. (Thomas) Except for the loop direction, I'd guess R. Marien HIOS - Chuck
- 1458 PHILIPPINES FEBC Manila (You know I never can remember how to spell Philippines so when I started typing it this time I figured I'd just trust Brian's spelling as he's a pretty meticulous fellow. Then I got to the next word and he'd spelled Manila as "Manilla". Teach me to trust anybody.... Chuck) 1549-1600 1/23 woman with talk and instrumental mx, lang unid, 1600 1/2 male with Aussie accent "This is FEBC Radio International broadcasting from Manila, Philippines, our transmitter operating on 1458 KHZ now signs off the air". IS then carrier cut

THE DAILY LEADER  
FREDERICTON NB  
JAN 23 1977

1800.50. This was my China tentative in issue #13, sorry. (Vernon)  
 1478\*\*\*USSR und 1/10 1708-1729 Moscow Program Two, Mayak IS, this IS also  
 noted at 1729 1/1s, probably located in FE Siberia someplace. Is  
 unlisted. (Vernon) It s OK, you can have stars twice in the same issue so  
 I added a set specially for you here - Chuck  
 1560 HAITI Port-au-Prince (?) noted atop channel w/FF male from 0100 to  
 apparent s/off 0255 2/8. Harpsichord marks "La Voix du Peuple" ID.  
 Programming tends to be religious/choral singing. (Thomas)

Gerry Thomas - Pensacola, FLA R70, Superloop, 2010+  
 Brian Vernon - Elsa, Yukon Terror R7A, FR67700, miles of Beverages

And a note from Bill Bailey: "When one hears a strange type Arabic sounding  
 language on 1413 Kc around 0140 to 0230 in mid winter and musical tones (ti ti  
 do) are played (that's "BBC") at 10 minutes to the hour I think it's fair to  
 rule out Yugoslavia and believe you are hearing Oman." yer old pal and editor  
 C. Hutton agrees on account of the tones. The AA mx alone has tricked people  
 into believing Oman when its realy Yugo with a program of mid-Eastern type  
 stuff that sounds Arabic to us. I think Bill dropped me this note in reference  
 to the 1413 log and comments in the 2/1 issue. With just the AA mx and the time  
 (0403) mentioned I'd be inclined to believe Yugo was in.....

UPDATER TO THE AERO/MARINE BEACON GUIDE NOW AVAILABLE

This is to announce that the UPDATER TO THE AERO/MARINE BEACON  
 GUIDE is now available. A complete listing of over 800 aeronautical,  
 marine, and offshore beacons that are new since the publication of  
 the AERO/MARINE BEACON GUIDE.

New features that have been incorporated into this UPDATER  
 include the designations of the double sidelands where known and also  
 the designation where known of 400 hertz and 1025 hertz sidebands.  
 Another new feature is a listing of known elevations (above sea level)  
 of many beacons.

The price of this UPDATER TO THE AERO/MARINE BEACON GUIDE is  
 \$4.00 postpaid for the U.S. and Canada, Overseas price is \$6.00.  
 For those that wish to order the AERO/MARINE BEACON GUIDE which sells  
 for \$10.00 and the UPDATER, a special combination price of \$12.50 is  
 available for the U.S. and Canada. The Overseas combination price is  
 \$20.00. Send all orders to KEN STRYKER, 2856-G W. TOUHY, CHICAGO, IL  
 60645.



**ASSOCIATION OF NORTH AMERICAN RADIO CLUBS**

Mike Harris  
 Public Relations Coordinator

P.O. Box 294  
 Pickerington, OH 43147

**PRESS RELEASE**

ANARC is pleased to announce that it will sponsor the SWL Forum at  
 the 1988 Dayton Convention, the largest gathering of radio enthusiasts  
 in the world, to be held between April 29 and 1 May, 1988 at the Harb  
 Arena and Convention Center in Dayton, Ohio.

The SWL Forum, to be held on Sunday, May 1st, between 9:00 and  
 11:30am will feature a guest speaker Jonathon Parks, host of the long  
 running "Radio Network" program on Radio Nederland, and Bob Grove,  
 Publisher of "Monitoring Times" and President of Grove Enterprises.  
 Other speakers will include Bob Horvitz, Executive Secretary of ANARC  
 and former ANARC Government Affairs Liaison, who will speak on the  
 Electronic Communications Privacy Act; Don Moore, who spent several  
 years in Central and South America with the Peace Corps will give a  
 slide presentation on the stations he visited, and Norm Schrein, who  
 has edited several scanner directories for North America, will give a  
 talk on the VHF/UHF scene.

If you plan to attend, please stop by the ANARC booth and visit  
 for a while. A number of SWL clubs will be providing ample copies of  
 their bulletin for free distribution at this important event. We hope  
 you are one of the 29,000 people who find Dayton "the" event of the  
 year. See you there!!

Paul Swearingen

3132 S. E. Irvingham Street - Topeka, KS 66605-2948

The opinions expressed in this column are those of the individual writer and do not necessarily reflect those of  
 the Editors, Publishers, or the National Radio Club, Inc., or its subsidiaries.  
 Times are local per Muse.

I have one musing from a former NRC publisher on top for the March of DXN ... and  
 there's still time for yours, too, but the deadline is this Saturday, Feb. 27. The  
 following deadline, March 12, will be for those using vanity license plates or who have  
 unusual bumper stickers ... or for any other NRC money, of course! And now ... on with it.

**DX'ing is Perplexing**

**Ernest R. Cooper** - 5 Anthony Street - Provincetown, MA 02657 (617) 487-9337  
 Three more veries have come in: Hanover, Germany-828, WKOS-930, and  
 WJBC-1590. That brings us to a total of 4,330. Trickle, trickle, little verie - now I  
 wonder where you tarry! (Up above it flits and flies - dead letters make ern' agonize! All  
 right, all right, no more; I thought it was April already -pls) DX: wea. 12-23: Unn  
 ZIZ-555 St. Kitts running AN and talking up Carnival '87 (I get a bet every night but no  
 audio -pls). Sat. 12-26: WBAL-1090 was not carrying Larry King Show this morning. On  
 1160, VSBJ with local ads at 2:41; they're no longer relaying the Bible broadcasting Network  
 from VA during the wee nous, but on subsequent mornings, they seemed to be on one of the  
 satellite music networks and carried USA ads. MM 12-28: UNID TT'er on 630 at 12:58 u/WPRO,  
 no ID's heard. Another on 730 at 2:02 am u/CKAC, and one more on 1000 at 2:15 u/WCFL's  
 carrier. Unn WYNS-1160 TT'ing at 2:22, and since their Sunday AM tests were never heard  
 here, I'm wondering if they were actually conducted on "Sunday night" (Monday morning).

The 12-29: Swiss-1566 in w/MOR at 1:54 am, unn here, announcements seemed to be in  
 German. A TT'er was noted on 1420 at 2:16. wea. 12-30: Looking for WGN-1450 (new call  
 for WKAL). I found they're still using WKAL as of this date as they and unn WWSU shared  
 1450 here at 2:30 am. Sat. 1-2: A TT'er on 1260 at 1:46, UNID. Both WWA and CFM were  
 missing from 1320 today, leaving the channel open for WSCR, Scranton, unn. On 1610, a male  
 voice broke thru at 2:54 mentioning snowmobiles. Stan Horss and I think this is Acadia  
 National Park, Maine. I can't peak my SM-2 on 1610 as I reach the end of the capacitor at  
 1570, so I can't get that much more volume there to possibly get more on this weakie. Thu.  
 1-7: CIWW-1310 seemed off today: the frequency thus belonged to WICI-CT and WSSJ-NJ. Tue.  
 1-12: Finally, a report to WJBC-1590 and a verie promptly in. On 1610 today I hear the  
 words "restaurant" and "Route 202" mentioned, as well as snowmobiles. Sat. 1-16: Second  
 report to WVIC-1390 SC. WAMB-1160 was tops today and several mornings since with EZI MCS.  
 Thur. 1-21: Loud tester atop WEZE/CIHI-1260 at 2:14, a tentative to WCFS-CT which would  
 seem to be the only possibility. Another such to WBY-1440 NJ on Sat. 1-23 with what  
 sounded like NOAA-wx Radio for Atlantic City with mention of Harrisburg, Philadelphia, and  
 Trenton temperatures, and tide times at A. C. MM 1-25: Auroral today, WRKO-680 on Q with  
 UNID SS under. Who's the SS on 1430 AN'ing? Sounds like a domestic to me - has WNJR gone  
 SS perchance, Joe Fela, Paul Mount, or Bob Smolarek? Forward - March!

**James J. Nahiriak** - 20907 Benrendt - Warren, MI 48091-2726  
 Regarding the AM vs. FM debate in recent uses, FM beats AM in most  
 in-home listening, primarily because of man-made interference. As people buy daily sundex  
 foreign-made TV's VCR's, computers, and other new high-tech gadgets, it is only going to get  
 worse, and the FCC doesn't seem to care.

One place still conducive to AM listening is in the car. With the added road and wind  
 noise, the loss of some high frequencies on AM is not as noticeable. And AM delivers a  
 rock-solid signal compared to picket-fencing and multi-path distortion on FM. High-tech  
 tuners can clean a lot of this up, but what kind of equipment does the average listener  
 have? In a moving car, even a weak AM station is much more listenable than a weak FM  
 cutting in and out. And AM stereo really helps AM music stations sound great.

Auto manufacturers and aftermarket suppliers are putting more AM stereo radios into  
 cars every day. (I don't know of anybody currently selling Am stereo for the home). Last  
 year I purchased a Chrysler motors vehicle and discovered that every factory-installed radio  
 or radio/tape combination that they offer (except the AM-only model) features Motorola  
 C-QUAM AM stereo. I'm not sure how widespread this is with other auto manufacturers.

It's too bad that local AM stereo stations are missing the perfect opportunity to  
 promote themselves to potential listeners in cars. I should have been given a little card  
 or pamphlet explaining AM stereo, telling me that my new car's radio can receive it, and  
 inviting me to listen to the station that printed the pamphlet. I would think that the  
 dealer would welcome the opportunity to promote the added value in their automobiles.

Of course, there are only two local Detroit stations (and one semi-local) that  
 broadcast in AM stereo anyway (all use Motorola C-QUAM): Country WCXI (which plays very  
 little music), and WJCM in Ypsilanti (Christian music). AM music stations WIND, WJIC, WJBB,  
 WJTB, and CKLW are all mono. I'm surprised that none of the stations targeting the Canadian  
 audience (CKWW, CFPO, and CHYR) have gone stereo, like so many in the London and Toronto  
 areas have. Competition with FM is tougher here, and stereo should be even more important.

Unfortunately, most of the signals that light the AM stereo light on my radio are news  
 and talk stations from other cities at night. (No stereo stations in Topeka, yet, although  
 two of three TV stations are: Ch. 49 and (ironically) Ch. 14, and Ch. 15)

knowles' does not offer stereo programming. Dan's also asks the question, "what's wrong with [band] that so many go with Motorola... and I just realized that I don't really have an answer to that! How many of you have listened to both Kunk and C-QUAM stations, and perhaps a system no longer on the air, and would care to comment on the differences? Also, what home stereo systems have you not had offerings, hi-stereo? I know several, including Samsen, make them, but I haven't seen them in audio outlets -pjs

The inevitable demise of AM radio

Conrad R. Durocher - Rt. 1, Box 2243 - Jackson, TX 77339

And a good DX version of it, but don't know if I can stand any more cold water for the sake of Log entries. Was glad to snag CJPT-5.0 back in Nov. when fellow 2nd Beach Greeter heard it regularly in Miami. There is with the Coast Guard and was stationed at nearby Galveston and is an avid SWL'er when he found me through ANARC. A visit to my shack and scrutiny of the antenna farm convinced him to join the NRC and return to the joys and frustrations of AM DX, which brings him to mind as I punch for the soap box:

I am really worried about the inevitable demise of AM radio. As a professional musician and studio owner, I have acquired a good deal of high-end semi-pro audio equipment, the component being a computerized AM-FM tuner by Technika. The FM section is superb. It should be - its sensitivity rating is 1.5 microvolts for a decent audio quality, meaning any signal of 1.5 uv or more will be heard virtually noise-free and stereo-separated. The AM section is not so great. Its sensitivity is 300 uv, meaning any signal below that (i. e., 300), can be kissed goodbye to the great god Moon.

As a reference, the R-2000 AM sensitivity is 20 uv. The tuner is almost fortunate to have the very rare AM ant. term. I say almost - with the 700' lw connected, local 50 KW'er WJAB-740 can be heard on at least 5 other occupied carriers, accompanied by incessant fluorescent flick. The 10 memories work only on FM, LOC DX switch is FM only, memory scan signal seek FM only. The AM section has literally been added as an afterthought. Why the discrimination? Because radio manufacturers (foreign and domestic) have children raised on FM-only personals and are very familiar with the ubiquity of AM flexibility. To offer AM stereo to an FM freak can be likened to owning a CD player and being approached by the record industry to buy the new and exciting hi-fi stereo LP. They're a bit too late for the best generation.

I'm worried about the inevitable demise of AM radio. My neighbor is a typical American teenage girl. Her view of AM? "Oh, that's where people call in to talk about UFO's." She doesn't like the way it sounds, and it's not considered cool on school turf. She doesn't know what those numbers mean, nor how to tune a station so it doesn't sound "scratchy". But she does know that the FM band covers 92-106 ("Anything below 92 is 'weird' stuff.") and can find 93.6 or Power-104 with perfect tuning (thanks to a very generous A/C). "Dad's bedroom radio is tuned to 740-740 KKKK but who wants 24-hour news in the 'comox'?" She wonders what the term "AM stereo" means, for in her mind, stereo is just hi-fi ("turn off the 'stereo'.") I'm worried about the inevitable demise of AM radio: The spoken word is very adaptable to the AM mode, but musical content suffers greatly. To add to the shortcoming, most AM music stations are no more than a narrow-band version of a sister FM. How about your state of snock the first time you heard "Stereo 97.6 Power Rock" as an AM ID? In the car, I have a Nissan AM/FM digital tuner. Try setting an FM memory to a local rocker and an AM memory to its counterpart, and switch back and forth. If you don't hear a 100% difference, then maybe AM has a chance after all. Classical AM stations like WQXR-NY totally defile me, as classical music requires more dynamic range and high frequency response than any form of music, which even FM can barely handle because of processing and high-end overshoot limiters. The AM music stations, especially rock, are so heavily processed for maximum competitive loudness that the buzz-saw pass cuts into the midrange to create instant ear fatigue.

So, unless technical changes are made both at the transmitter and receiver ends, and the "typical" listener is educated to what AM radio has to offer, I'm afraid the AM carriers are doomed to the painfully slow death of audio and the gradual birth of digital data. As an avid AM DX'er, I realize that with improved signals it may be harder to snag that elusive split-channel TA or "TP, but I'm willing to make some sacrifices to at least retard "The inevitable demise of AM radio."

Ken Onyschuk - 19110 Pine Dr. - Country Club Hills, IL 60477

Just a sport Muse this Mon. 2/1. In an arrangement with NBC, Westinghouse will KEEP THE WMAQ CALL LETTERS when beginning the new all-nx format about March 1. (That's worth caps, don't you think? -pjs) Group W has been busy lately signing up nxpersions from Chicago and out-of-town. Aside from that Ch. 5 WMAQ-TV will retain NBC. Fall Arr. came out recently; here goes: 1. WGN, WGCI-FM 8.0; 3. WBEM 6.3; 4. WLOO 5.4; 5. WBAX, WXP-FM 4.5; 7. WBEM-FM, WYTC 3.9; 9. WLAK 3.7; 10. WCKG 3.4; WJJD 3.3; 12. WCLR 3.0; 13. WJMK 2.7; 14. WWSN 2.6; 15. WKQX, WGR 2.5; 17. WLCP 2.1; 18. WFYR, WFMT 2.0; 20. WLS, WNUA 1.8, 22. WVON 1.6; 23. WMAQ, WNIB 1.4; 25. WJJD, WJNR 1.1; 27. WIND 0.8; 28. WCZE 0.7; 29. WJQB, WJWV, WJPC 0.5; 32. WGCI, WJZQ, WBEE, WAGR, WYCA 0.4, and 37. WTAQ 0.3. AM/D leaders WGN, WBEM, WLCP AM/FM, WGCI/WLOO; PM/D leaders WGCI AM/FM, WLCP AM, WGN, and WLOO. My AM/D choice is either WJJD's Clark Weber or local WGO/WIAS's Tony Santucci, JR. WJJD recently canned their nx cur., Jay Congdon, and joined up with AP nx, then the Business Barometer, then local wx. WGO/WIAS has CNN nx, then local nx, every hr. and half-hours as far as I've heard. During 11:30 am lunch at work WJHN-1510 has local nx at :50. That's it for a week or so. 73.



NATIONAL RADIO CLUB
Publication Center

REPRINTS/PUBLICATIONS/HOBBY AIDS ORDER FORM

MAIL COMPLETED FORM TO: N.R.C. PUBLICATIONS CENTER
POST OFFICE BOX 164
MANNVILLE, NY USA 13661

REPRINTS Rates are 10 cents per page for MEMBERS; 12 cents for NON-Members SURFACE Mail. Overseas surface mail rates are 12 cents per page for anyone. Air Mail rate are 16 cents for anyone. Number of pages are indicated by (). Circle selections please. (MINIMUM REPRINT ORDER TOTAL - US\$2.00)

Table with 5 columns of reprints: A1-A47, R1-R46, D1-D20, L1-L5, P16-P31, M1-M19, F1-F15, P1-P15, RR1-RR9, PS1. Includes 'CIRCLE SELECTIONS' instruction.

TOTAL PAGES \_\_\_\_\_ AT

cents/page = \$ \_\_\_\_\_
Carry total over to other side, please .....

Make Check or Money Order out to: National Radio Club

Name:

Address:

Send to: NRC Publication Center, Box 164, Mannsville, NY 13661