



DX NEWS

*the magazine of the
National Radio Club*

SINCE 1933

VOLUME 50 ISSUE 23

MARCH 21, 1981

WITH THIS ISSUE WE START OUR BI-WEEKLY ISSUES! ALREADY!! AND THE CLOSE OF ANOTHER SEASON, WINTER (?), I THINK, WE HAD ONE 12" SNOW STORM HERE AND THAT WAS IT! SO MUCH FOR WINTER. ENUF CHIT-CHAT....

FROM GLENN HAUSER'S WORLD OF RADIO - BE ON THE LOOK OUT FOR A RADIO FREE GUANTANAMO OR A SIMILARITY OF SUCH A STATION, PERHAPS EVEN ON THE MEDIUM WAVE BAND!!! IS THIS THE RADIO MARI! ! OR MAYBE ANOTHER CLONE!! ONLY PRES. REAGAN KNOWS FOR SURE, I THINK, IF YOU HEAR EITHER OF THESE TWO STNS LET HQ KNOW ASAP....I WANT TO HAVE ALOT OF LEAD TIME SO I CAN GO TO MY BUNKER, HI.

IN THIS ISSUE WE STUFFED 27 PAGES INTO 24....SO OPEN THIS UP CAREFULLY, HI. INSIDE YOU WILL FIND A COUPLE OF INTERESTING ITEMS, FIRST OFF, A NEWS CLIPPING ON PAGE 16 ABOUT THE DBA MARCH IN WASHINGTON AND THEIR LITTLE SAYING ON PAGE 23 THAT HAS BEEN HEARD HERE ON SEVERAL STNS.

AND ANOTHER MAGAZINE STUFFER IS THE COMPUTER PROGRAM ON THE GREAT CIRCLE TABLE AND GREAT CIRCLE BEARINGS AND THE GREAT CIRCLE DISTANCES AND EVERYTHING ELSE THIS PROGRAM CAN COME UP WITH. YOU COMPUTER MEMBERS WILL BE BUSY FOR ATLEAST A QSEC WITH THIS ONE!! THIS PROGRAM IS FOUND STARTING ON PAGE 9 AND THEN IS CONTINUED ON PAGE 6 AND THEN PAGE 8. IN A FUTURE ISSUE WE SHALL SHOW YOU A "RUN". WRITE NOW YOU GET JUST A "LIST". (AM I GOOD WITH HUMOR OR WHAT!!!????) (no correct-que) (THANKS-ME)

DOMESTIC LOG SUPPLEMENT - WHERE IS IT? BE PATIENT!! IT'S ALMOST READY, BIG THINGS LIKE PAINTINGS AND FINE WINES AND LOG SUPPLEMENTS TAKE TIME. YOU WANT IT DONE RIGHT RIGHT!! WE SHALL ANNOUNCE, REAL SOON, IN BIG HEADLINES WHEN IT IS ON ITS WAY TO YOU!!! Okay?! SO SAVE A STAMP AND DONT WRITE HQ OR THE PUB CENTER ASKING, WHAT YOU CAN DO WITH THE STAMP IS.....SEND IN A MUSE OR A REPORT TO DDXD OR IDXD OR UPDATE YOUR TOTALS AND SEND THEM ON THEIR WAY TO THE IDXA, DDXA, OR GYDXA EDITORS, Okay!!

FROM THE MAILBAG - A LETTER OR TWO ABOUT THE ADDRESSES OF THE NEW MEMBERS, WHERE ARE THEY? THEY ARE RIGHT HERE, AT HQ THAT IS. IF YOU NEED THE ADDRESS, TO SAY HI TO A NEW MEMBER JUST DROP US A NOTE OR THE MEMBERSHIP CENTER AND TELL US THE NAME OF THE PERSONS ADDRESS YOU WANT AND IF THAT PERSON WANTS IT OUT YOU'LL GET IT. SO WHY DID WE GET RID OF THE ADDRESS IN ONE PART AND NOT DELETED OUT OF THE REST OF THE MAGAZINE? THE ONLY OTHER PLACE THE FULL ADDRESS APPEARS IS IN MUSE AND THAT ADDRESS IS GIVEN VOLUNTARILY BY THE MUSER, IF HE/SHE DOESNT WANT HIS/HER ADDRESS TO APPEAR IN MUSE THEY WILL LET PAUL KNOW AND/OR LIST A P.O. ADDRESS INSTEAD OF SAY AN APARTMENT NUMBER. WE DON'T WANT ANYMORE RADIOS AND ANTENNAS MISSING FROM DX SHACKS....IF YOU GET MY HINT, ENUF ON THIS SUBJECT. (WHERE HAVE I SAID THAT STATEMENT BEFORE, HI.)

NOW THAT WE ARE BI-WEEKLY....DON'T LOOK FOR US NEXT WEEK!!! WRITE THAT ON YOUR DX CALENDAR! WE DON'T WANT TO BE BURIED WITH MAIL ASKING US ABOUT A MISSING DX NEWS!!

CPC TESTS (TIMES ARE E.L.T.)

Mike Sue

DATE UNKNOWN WABC-770 TO DO A SILENT PERIOD WAS TO DOE ONE ON FEB 28 AND MAR 7. BUT NEITHER DATE WAS USED BY WABC, SO LOOK FOR THEM SOMETIME IN THE FUTURE. IF YOU GET ANY INFO LET US KNOW OR GO THRU THE ALERTING SYSTEMS. (THIS INFO FROM GLENN HAUSER'S WORLD OF RADIO)

ANOTHER DATE UNKNOWN - KU0A-1290 5000w SILCAM SPRINGS,AR TO TEST AT 1AM ET BUT THE DATE IS NOT KNOWN THEY ARE TO USE TONES AND MUSIC. (THIS VIA IRCA MONITOR VIA GLENN HAUSER'S WORLD OF RADIO)

HERE'S ONE WE DO KNOW !!!!!

3-28 WPZ-1000 SOPERTON, GA 1000w 0000-0030 WITH TT AND ROCK & MARCH MUSIC. REPORT! MON. TO: AMOS W. PIGG, P.O.Box 268 SOPERTON,GA 30457. ARRANGED BY THE WIZARD & THE INFAMOUS NRC SWAT TEAM. (THIS TEST IS FOR REAL,FOLKS HQ)

LOOK INSIDE

THE WORLD'S OLDEST AND LARGEST ALL MEDIUM-WAVE DX CLUB

A SPECIAL THANKS TO HARLEY RYAN, JR. FOR COMING UP WITH THE THERMISTER AND THE ADDRESSES. MUCH APPRECIATED!!!!

AM SWITCH

JERRY STARR
c/o WSRD RADIO
401 N. BLAINE AVENUE
YOUNGSTOWN, OHIO 44505

CALL LETTER APPLICATIONS:

Present call: Seeks:
860 WUCR Sparta, TN WTZX
900 WATC Gaylord, MI WZXM

CALL LETTER GRANTS:

Old call: New call:
970 KBEE Modesto, CA KHYY
1000 KHEE Hayden, CO KRDZ
1230 KWTC Barstow, CA KPRD
1480 WUEZ Salem, VA WSAY
1540 WRCP Philadelphia, PA WSN1

APPLICATIONS FOR NEW STATIONS:

820 Washington, MO D1 5000
890 Ridgeland, MS D1 500
1020 Ochlocknee, FL D1 10000
1040 Shepherdsville, KY D1 1000
Columbia, SC D3 50000
1100 Webb City, MO D1 5000
1110 Oak Harbor, WA D1 500
1180 Florence, KY D1 1000
1270 Nenana, AK U1 5000/5000

APPLICATIONS FROM EXISTING FACILITIES:

1230 WIGS Gouverneur, NY to 1200 kHz 10000/1000
1350 KDOV Ashland, OR to 1230 kHz 1000/250 U1, change city to Talent, OR
1420 WQBC Vicksburg, MS day power to 5000
1470 KWXI Glenwood, AZ to 670 kHz, power to 5000
1500 MLWL Rockingham, NC to 770 kHz
1540 WMYF Exeter, NH power to 5000 (2500 CH)
1570 WFGN Gaffney, SC to 1180 kHz 2500 D1
1590 WERA Plainfield, NJ to 5000/5000 U2
1600 KXEW Tucson, AZ to 580, makes 6 applications for the deleted KIKX-580

GRANTS FOR NEW STATIONS: NONE

GRANTS TO EXISTING FACILITIES:

630 KGWV Belgrade, MT to 640 kHz 10000/1000 U2
1250 WBRM Marion, NC moves night site to day site
1260 KWIO Moses Lake, WA moves to 1020 kHz 5000/500 U1 at Moses Lake North
1400 KVOU Uvalde, TX increase tower height to 300 feet
1470 WBKV West Bend Township, WI day power to 2500
1520 WRID Homer City, PA to 1160 kHz, move XR (CP not on air yet)

OTHERNESS:

990 WCEL Southern Pines, NC listed several weeks ago as 1000 watts, should be 10000, guess I left off one zero
1140 Childersburg, AL application for new station returned by FCC
1170 Hazard, KY application for new station returned by FCC

THE GOVERNMENT MAKES A MISTAKE???? Before you blame Broadcasting Magazine for the listing of KWIP being denied operation on 880 (when we all know they've been on 880 since 10/25/82) be advised that this gem was a ERROR in the FCC's own official press release. Likewise for the KIXI item right below it. At least one of these station's attorneys has requested that the FCC reissue the release to avoid further confusion. Both KWIP and KIXI are operating on 880, the first with 5000/1000 U1 and the latter with 1000/1000 U1 pending the completion of their DA system, then will be 50000/1000.

Jerry & BKF

Jerry Starr & Buffalo K. Foorman

William Henry (Gus) Zuber, Jr., a righthanded pitcher who had a 42-42 record in 11 seasons in the major leagues from 1936 through 1947 with four different clubs, died recently in Cedar Rapids, Ia. He was 68.

Zuber, primarily a reliever, pitched for the Cleveland Indians, Washington Senators, New York Yankees and Boston Red Sox. His last year was 1941, when he was 34 with the Yankees as both a reliever and spot starter. Released outright to Louisville in 1942, Zuber continued to pitch in the minors until 1946.

"Many of us met Mr. Zuber at the 1965 Cedar Rapids Convention, as we had a dinner in his restaurant." ERC

WELCOME:

C.J. Hogervorst of Wilmington, NC
Dan Sheedy of Encinitas, CA
Charles L. Bartlett, WBBQY, of Vineland, NJ

Thanks for joining!! Your with the BEST!!
MOUSE and Support the various Columns!!!!

DOMESTIC DX DIGEST

DAVE SCHMIDT
42 CHELSEY RD.
CASTLE HILLS
NEW CASTLE, DE 19720

Here is the official NRC column which is almost as exciting as cream of dish water soup! When sending your items in, please type or neatly write, skip a line between items, EST, one side of the paper, et al. Continued:

SPECIAL:

940 WKYK NC BURNSVILLE - Per v/l, current sked is 0600 (0700 Su)-2300 (2200). Format: CW 0600-1800, soft rock 1800-2300. (TC-TN)
960 WATS PA SAYRE - Semi-local now on 5000 watts per call to station, power increase went on 3/25. (JM-NY)
1600 WANR WY WHEELING - Add.: P O Box 6273, 26003. (GHD-WV)

EMERGENCY BROADCASTS:

1550 WXVA WV CHARLESTOWN - 2/12 0145-0204 xint w/snow emergency news, requests to "stay off the phones", music, news and Accu-weather. (JM-PA) Mount probably called 'em-hi! (DS)

DX TESTS:

900 WJMD Heard: MR-ON, JM-PA. Not heard: RUGG-PQ, TC-TN.
940 WKYK Heard: AB-TX.
990 WJWV Heard: MR-ON, JM-PA.
1110 WHIM Heard: KVJ-GA, DLR-KY, MR-ON, JM-PA.
1540 WMDO Heard: DLR-KY, TC-TN, MR-ON, JM-PA, RUGG-PQ.
1590 WSWW Not heard: JM-PA.

FREQ. CHECKS:

4th Mon - WCHE-1520 per list. (JM-PA)
WFTH-1590 per list. (JM-PA)

MIDDAY - MIDNITE:

580 WIBW KS TOPEKA - 2/23 1845 good w/sports, ID, ads, CBS stock market report and local stock report. (DLR-KI) (DLR-KI)
600 KTBB TX TYLER - 2/17 1905 poor w/Cuban, noted w/news, weather, ID.
630 KMAC TX SAN ANTONIO - 2/10 1906 good w/weather, ID, pop music. (CJ-TN)
CFBK OH HUNTSVILLE - 2/24 1830 good at end of CBC news w/dual ID for CPBQ/GPBK. (JB-NY) and the US affiliate, WMOT! (DS)
680 WINR NY BINGHAMPTON - 2/24 1851 weak in CPTR null w/weather. (JB-NY)
710 WOR NY NEW YORK - 2/24 2256 furniture store ad, call in talk show w/female host. (CJ-TN)
WGZS FL MIAMI - 2/26 1806 good w/weather, jingle and into talk show. (JB-NY) Often heard MM here, strong! (DS)
730 WRMR VA ALEXANDRIA - 2/15 1737 good w/traffic report for the DC area. (JB-NY) Also offers walking reports for WPT! (DS)
WMTX KY VANCELEVE - 2/26 1815 good at s/off w/WJDR. (JB-NY)
WJDR GA THOMASVILLE - 2/26 1815 good w/weather, CW music. (JB-NY)
790 WWSV FL S. MIAMI - 2/24 1946 good o/WTAR w/talk show. (WPT-DC)
WETS TN JOHNSTON CITY - 2/26 1811 strong w/weather, several ID's. (JB)
810 WQIZ SC GEORGETOWN - 2/24 1800 extremely solid signal w/black gospel music and s/off. (BP-NC) You expected Green? (DS)
WSJC MS MAGEE - 2/26 1844 way o/WGY w/Ray Charles record then gone at 1845 power/pattern change. (JB-NY)
850 WIDE AL BIRMINGHAM - 2/23 1822 good w/promo for Wide 85 contest, then "5 in a row of solid gold." (JB-NY) Dropped CW? (DS)
860 KKOW KS PITTSBURG - 2/22 1857-1907 good w/CW music, ID, CBS news. (TC)
900 WSWN FL BELLE GLADE - 2/17 1800-1815 atop til s/off w/no fading or others, freq. silent after s/off. (JR-MJ) There, too?
930 WGNT WV HUNTINGTON - 1/22 2246 weather, pop music, female anch'r. (CJ)
970 WYOP GA VIDALIA - 2/24 1758-1801 remote broadcast, ads, promo for (BP) sports later on PM, 98Q, ID into ABC news, very good signal.
1050 WRFS AL ALEXANDER CITY - 2/23 1831 local ad, ID, legal ID for s/off and nothing else. (DLR-KY)
1060 WKNC GA TALLAPOOSA - 2/24 1805 in good w/news, soon faded. (BP-NC)
1070 WJKK WV BECKLEY - 2/19 1743 good w/rock music and the "first of four in a row." (JB-NY) Format change on this guy, too? (DS)
1080 WFIV FL KISSIMMEE - 2/24 1810 in fair at s/off, 1st time noted. (BP)
1110 WBIB AL CENTERVILLE - 2/14 2030 AL-TN Basketball, local ads, mention of Cable Channel 13 and WBIB, isn't this a daytimer? (DLR-KI)
1180 VOA FL MARATHON KEY - 2/24 1900 s/on w/Yankee Doodle, ID into Spanish program of news, good o/WKKE. (DLR-KY)
1250 WKBO PA HARRISBURG - 2/23 2006 briefly surfaced atop rumble w/DJ promo and ID. (JM-NY)

KSD
250 ac

1250 KOKY AR LITTLE ROCK - 2/17 1910 B/Sol music, many ads, very, very strong signal, male anc'r. (CJ-TN)
 WHNY MS MCCOMB - 2/17 1912 ads, weather, taken out by KOKY. (CJ-TN)
 1260 WKOO TN CHATTANOOGA - 2/23 1817 fair w/B/Sol music, jingle/ID, "The Soul of Chattanooga." (JN-NY) Shoe leather city? (DS)
 1290 KDMS AR EL DORADO - 2/8 1836 ads, jingle/ID, mention of country music, fair signal. (CJ-TN)
 1300 WKXI MS JACKSON - 2/17 1941 soul music, ads, "Jam The Box" contest, ID, local like signal. (CJ-TN) We'll have to write ALEX BOWAB a note on that one-hill (DS)
 WAVZ CT NEW HAVEN - 2/23 1811 MYL and ID, slogan is Waves. (JN-NY)
 1310 WIPE IN INDIANAPOLIS - 2/23 1809 Howard Cosell dribbles, weather, news, ID as "News-talk 13", fair signal. (JN-NY)
 1360 KRIS TX CORPUS CHRISTI - 2/9 2126 promo for contest to win a ceiling fan or trip to San Antonio, Paul Harvey news, ID, pop music, fair at tune in but soon faded. (CJ-TN)
 1370 WCOA FL PENSACOLA - 2/8 2258 poor w/WDEF/KPRO w/local news, ID, then CBS news. (CJ-TN)
 KPRO TX LONGVIEW - 2/8 2205 local weather, ID's, fair w/WDEF/WCOA.(CJ)
 WDEF TN CHATTANOOGA - 2/8 2146 country music, station contests, finally became stable at 0000 w/ID. (CJ-TN) Horses' around?
 WFSA NH MANCHESTER - 2/23 2103 rock music, "Secret Sound #7" contest, time check, ID, good signal. (JN-NY) Usually is....(DS)
 1380 WNRV CT NAUGATUCK - 2/25 2028 "14 NVR" ID, "Greater Waterbury's Favorite Station", fair atop others. (JN-NY)
 1390 WTJS TN JACKSON - 2/16 1929 oldies and instr. music, female anc'r very poor signal, tho. (CJ-TN)
 1400 UNID 2/12 1837 pop music, Dept. of Radio-TV PSA, "Sportsline", sports, news program, weather but missed ID. (CJ-TN)
 1410 KQV PA PITTSBURGH - 2/23 2058 good in WPOP null w/hockey. (JN-NY)
 1420 WQBC MS VICKSBURG - 2/10 1915 faded atop WKSX w/ID then faded. (CJ)
 WKSX TN PULASKI - 2/10 1915 "Continuous music" ID, ad into pop music, fair signal. (CJ-TN)
 1430 WKXZ TN MADISON - 2/17 1804 strong w/CW music and ID's for WKXZ-Franklin, WKXZ-Madison, "KZ Country". (DLR-KY)
 1450 WROB MS WEST POINT - 2/7 1434 ID, "Information first on WROB", local weather, pop music, female anc'r. (CJ-TN)
 1470 WVOL TN BERRY HILL - 2/21 1818 w/traffic report, mentions of Nashville, no ID caught but good signal. (DLR-KY)
 WMBD IE FERRIS - 2/6 2331 pop music, ID, fair to poor w/UNID. (CJ-TN)
 1480 WJIT NY NEW YORK - 2/25 2003 Spanish sports news, English ID on hour into music, very good signal. (JN-NY)
 1510 WMRE MA BOSTON - 2/1 1908 in stronger than usual w/Memories to Music ID, ads, weather, w/WLAG also in strong. (JM-PA)
 CKOT OH TILLSBORO - 2/19 1752 xint w/ad for funeral home then a moment of meditation. (JB-NY) They signed off....(DS)
 1530 WFCW PA JEANNETTE - 2/19 1750 in very well w/many ads and female anc'r (wonder if her name was Jeannette??). (JB-NY) Your the millionth to ask me that.....her name was Stu! (DS)
 1550 WOKJ MS JACKSON - 2/10 1948 good w/soul music, ID, funeral items.(CJ)
 WHYW PA BRADDOCK - 2/19 1758 fair at s/off w/usual announcements and address for comments. (JB-NY)
 1560 KBDA AR DUMAS - 2/17 1845 s/off w/slogan, "Double D Country" and ID, no SSB. (DLR-KY)
 WPAD KY PADUCAH - 2/10 1959 local ads, news, ID, much fading. (CJ-TN)
 WBYC OH CHARLTON - 2/19 1800 s/off good w/no SSB, said would return at 0700 next morning. (JB-NY) Drop the C? OK...WBE! (DS)
 1570 KBJT AR FORDYCE - 2/26 1900 s/off mentioning that they "comply w/FCC rules", to return 0700. (KVJ-GA)
 WTRB TN RIPLEY - 2/16 1842 long s/off mentioning listeners being deprived night time service due to rules written in the 50's, mention of senators to write, etc. (DLR-KY) Wait...my towel.. 2/16 1853 someone w/CW music, ad for Shriner's, ARN news then faded before ID. (CJ-TN) (JM-PA)
 UNID AR SHELBYVILLE - 3/1 1900 s/off w/mention of power, freq., SSB.
 1580 WLIJ TN JACKSON - 2/10 2034 good w/rock format, ads, local news and weather, many ID's. (CJ-TN)
 1590 WCOL MS FERRIDAI - 2/16 1845 nabbed during s/off, ID w/"we are signing off" and they did! Fair signal. (CJ-TN) Nab...new program!
 KOGT TX ORANGE - 2/6 2300 poor-fair w/local weather, ID, CW music.(CJ)
 UNID 2/6 2249 instr. jazz-type format, long songs, faded in about every 4 minutes then gone again after 30 seconds. (CJ-TN)
 WKWP FL KEY WEST - 2/19 2200 put in a rare showing w/ID, WPI World News thru the WUP/WXVI wall. (KVJ-GA)
 WYVL NC HENDERSONVILLE - 2/20 1816 quickie s/off thru another hole in the WEUP/WXVI wall. (KVJ-GA)

WPDR/WDDC
 KRUMER BROADCASTING, INC.

KLEX, INC.
 P.O. Box 188
 Lexington, Ma. 04067

1600 WJNJ FL ATLANTIC BEACH - 2/24 1800-1814 w/Big Band music, MoR, then s/off before barriers of WEUP/WXVI went up. (KVJ-GA)
 WIXY MA EAST LONGMEADOW - 2/25 1928 "Country 16" ID, CW music, WRRL looped. (JN-NY) They sounded that way for years! (DS)
 WANR WV WHEELING - 2/20 1526 Top 40 music, hyper anc'r, ads, strong and alone. (JN-NY) Yes, when one is strong, one is usually alone! (DS)

MIDNITE - MIDDAY:

RADIO STATION K-HYM
 "E. Texas Most Powerful AM"

610 WIOD FL MIAMI - 3/2 0105 several promo's and ads into Talknet, xint-fair signal o/u WDAF/UNID rock station/Mexican. (CG-TX)
 770 KJOB LA LAFAYETTE - 3/2 0000 loud w/soul music, male anc'r. (CG-TX)
 790 CKMW ON BRAMPTON - 3/1 0228 good w/WTAR w/rock music, ad and ID for sister station on FM. (JM-PA) You sure? May have been it's brother! Sometimes, though, it's hard to tell! (DS)
 880 WRPD OH WORTHINGTON - 3/1 0714-0723 nice in WGBS null w/crop prices, ID, herbicide ad and other farm stuff. (JR-NJ) You heard my neighbor? Herb A. Sidell? A little weird but OK....(DS)
 920 WMBL FL MELBOURNE - 2/15 0200 fair w/fading, CBS news, weather, MoR music. (JM-PA)
 970 WFUN OH ASHTABULA - 3/1 0728-0741 powerful in WWDJ null and o/WWDJ on LW w/local ads, music, frequent "Ohio's W-FUN" ID's. (JR-NJ)
 990 WZZD PA PHILADELPHIA - 2/21, 2/22 0321, 0029 very good for 1st time w/looking for WKW test, noted contemp. religious music, PSA, ID, mention of Communicom and "The Light." (JM-PA)
 1070 CHOK ON SAHRIA - 2/27 0247 alone on freq. w/CW music, ID. (WHA-NY) Nice to have ya with me at WRRX on 3/7! (DS)
 1090 CKKW OH KITCHENER - 2/20 0304 fair w/dual "CKKW/GPCA" ID's. (KVJ-GA)
 1130 WXXI MI DETROIT - 2/26 0859 nice in WNEW null, sports, weather, ID into Mutual news, amazing considering the time. (JR-NJ)
 1170 WCRR NY CORNWALL - 2/18 0655 w/ID and brief weather in WOBN null, taken completely out by WBRW s/on a few minutes later. (JR-NJ)
 1190 CHTN PEI CHARLOTTETOWN - 2/27 0205 in u/WOVD w/country-pop, local sports, thought it was somethin' swell til noting the AST time check. (WHA-NY)
 1230 WFIA NC FAYETTEVILLE - 2/21, 2/28 0428 noted w/MYL, news, weather, PSA, good o/jumble, ID's "your MYL station, the new sound of 12-30 AM." (JM-PA) Was CW a few weeks back when they drifted in here, must've just changed? (DS) For the worse....(DS)
 CKBS PQ ST. HYACINTHE - 2/12 0204 noted AM w/pop music and ID, however was not noted on 2/24. (RUGG-PQ)
 1250 CHWO ON OAKVILLE - 2/27 0355 ID as "Canada's First Memory Music Station" wonder if the CBC knows about this boast? (WHA-NY) They went one step further, run an xint program on CHJ-1580 AM! (DS)
 1260 WBBG OH CLEVELAND - 2/14 0336 very good w/strong WDE w/"The Great Songs from the Great Stars" ID, ads, promo, PSA, rare bird!(JM)
 WNDL IN INDIANAPOLIS - 2/7 0020 oldies, local weather, good o/KGEX.(CJ)
 1270 WHEP IL ROCK ISLAND - 2/7 0032 Ralph Emery show, good in KFJZ null.(CJ)
 1290 CJBK ON LONDON - 2/20 0253 briefly atop w/weather, rock music, ad.(KVJ)
 WHIO OH DAYTON - 2/7 0050 good w/Larry King, ad, ID. (CJ-TN)
 1310 WPOD TN CHATTANOOGA - 2/16 0028 Music Country Net., sports from A-P, ID, good signal. (CJ-TN)
 1330 CKLD PQ THESTFORD MINES - 2/27 0345 surfaced for ID in french w/semi-null on WFBC. (WHA-NY)
 WDIW MA WALTHAM - 2/27 0323-0350 in w/CW music in u/WFBC tale-talk.(WHA)
 1390 WRSC PA STATE COLLEGE - 2/21 0816 good w/news, ID, ad w/mention of the Hittany Mall. (JB-NY)
 1420 WYJS KY OWENSBORO - 2/6 0011 regular w/ID, pop music. (CJ-TN) So!
 1450 WZHU MD THURMONT - 2/13 1142 tentative w/CW music, mention of Smurf's, fair til WOL returned to air. (WPT-DC)
 1490 KBOJ CO BOULDER - 2/6 0000 noted w/last portion of s/off, SSB. (CJ-TN)
 WABJ MI ADRIAN - 2/27 0125 pleasant but unneeded surprise w/ID. (KVJ)
 1500 XDFM MD DONIPHAN - 2/23 0709 "Current Country" slogan, ads, weather into "Voice of Victory" religious program. (KVJ-GA)
 1510 WMRE MA BOSTON - 2/21 0153 MYL type music, into news w/female anc'r, fair u/WLAG. (WPT-DC) I like WMDC the "old" way! (DS)
 1540 WKIS VA RICHMOND - 2/21 0758-0800 good w/news, weather, ID into soul music, slogan is "The Total Music Experience". (JB-NY)
 KXBL IA WATERLOO - 2/24 0000-0200 really socked it to WMOO w/a couple of screaming preachers, religious music. %%%!! (TG-TN) Now, Tom, control yourself, please...the mike may be open! (DS)
 1550 *WHYW PA BRADDOCK - 2/22 0151 ET w/tons, music, ID's. (JM-PA)
 1560 *KXAA SD ABERDEEN - 2/21 0137 fair w/ID during ET. (WPT-DC)
 *UNID 2/11 0039-0100 very good signal looping E/W w/rock music, into tone, no ID's heard. (JM-PA)
 1580 *WLIM NY PATCOGUE - 2/27 0431 w/what sounded to be reg. sked. w/promo's and music, noted o/REL. (WHA-NY) REL is WCIS, Bill. (DS)

- 6
- 1580 *WJYV VA FULASKI - 2/10 0130-0213 very good w/rock music, mention of station address, phone number and CE's name. (JM-PA)
 WSRF FL FORT LAUDERDALE - 2/27 0400 thru CBJ's tone w/female oldies, ID, time check, more music, was looking for KNIX. (JN-NY)
 WCIS GA COLUMBUS - 2/27 0401 u/WSRF w/clear ID, "Music for a better world." Religious program. CBJ tone off 0401, back 0403. (JN)
 1590 WJRO MD GLEN BURNIE - 2/21 0828 good o/WJET w/ID. (JB-NY)
 WETT MD OCEAN CITY - 2/14 0048-0102 good w/others w/"The Midnight Beach Party", oldies, ID's as "Solid Gold 16", Mutual news, varied in '71. (JM-PA) Yeah, when they were running Non-DA on day power! A real no-no! (DS)

RANDUMBS:

Hope a few of you caught the test from WNRX-1260 on 3/7, stayed on til about 3 AM after doing some work on their audio and equipment. BILL ANDRES stopped by for a few minutes, just happened to make a 40 mile side trip from Fairless Hills, PA-hi!

Held over for next week is some pirate information. This is everything rec'd up til 3/7!

Remember, to please keep your contributions as timely as possible, I had to drop a number of loggings from January which were sent in.

CAPTAINS OF THE AIRWAVES THIS WEEK:

- | | | |
|---------|------------------------------------|----------------------------|
| WPT-DC | Bill Townshend, Washington, DC | TRP |
| JR-NJ | Jeff Ross, Sergeantville, NJ | IC-R70, Loop, LW |
| WHA-NI | Bill Andres, Fire Island, NY | HA600, Zenith 5 tube, Loop |
| GHD-WV | G. Harley DeLourere, Hendricks, WV | |
| KVJ-GA | Karl Jeter, Decatur, GA | Superadio, TRP |
| AB-TX | Artie Bigley, San Antonio, TX | |
| TC-TN | Tom Connatser, Sevierville, TN | Superadio |
| CG-TX | Charles George, Dallas, TX | 1942 RCA, LW, SM2 |
| JM-PA | John Malicky, Pittsburgh, PA | Aiwa AR 158 |
| GJ-TN | Chris Johnson, Memphis, TN | KR-80, Loop |
| JN-NY | Jay Novello, Endwell, NY | R7, CRP1, DA9 |
| JB-NY | Jerry Bond, Rochester, NY | GE TRF, HQ150 |
| RUGG-PQ | Andy Rugg, Nuns Island, PQ | TRF |
| BP-NC | Bill Prather, Tryon, NC | RF 2900 |

And so be it for another week!

73's - Good DX!



EUN COUNTRY RADIO 9



Continued from Page 13 and this page is continued on page 8.

- 437: *ND - St. Louis*AR(17);96.1833;L(17);00.5333;K(17)
 438: *MT - Billings*AR(10);110.4514;L(10);45.7033;K(10)
 439: *ND - Fargo*AR(19);96.8314;L(19);46.0667;K(19)
 440: *NE - Omaha*AR(20);95.9514;L(20);41.2667;K(20)
 441: *NE - Albuquerque*AR(21);106.6667;L(21);35.0033;L(21)
 442: *NV - Las Vegas*AR(22);115.2114;L(22);36.2167;K(22)
 443: *OR - Seaside*AR(23);123.9114;L(23);46;K(23)
 444: *TX - Dallas*AR(24);96.8114;L(24);32.7033;K(24)
 445: *UT - Salt Lake City*AR(25);111.9214;L(25);40.7533;K(25)
 446: *WA - La Push*AR(26);124.6333;L(26);47.9167;K(26)
 447: *WA - Seattle*AR(27);122.3314;L(27);47.5833;K(27)
 448: For Z=28 to 55
 449: *E*HL(2);*M*KL(2)
 450: next Z
 451: *AUSTRALIA-Helbourne*AR(28);144.9667;L(28);37.6167;L(28);*S*KL(28)
 452: *AUSTRALIA-Perth*AR(29);115.8214;L(29);31.9714;L(29);*S*KL(29)
 453: *AUSTRALIA-Rockhampton*AR(30);150.5171;L(30);23.3833;K(30);*S*KL(30)
 454: *CHINA-Beijing*AR(31);116.4214;L(31);39.9233;K(31)
 455: *CHINA-Shanghai*AR(32);121.4667;L(32);31.2333;K(32)
 456: *H. MAGNETIC POLE*AR(33);101.5114;L(33);*M*KL(33);76.2533;K(33)
 457: *EASTER ISLAND*AR(34);109.3314;L(34);*M*KL(34);27.0033;L(34);*S*KL(34)
 458: *FIJI*AR(35);178.6614;L(35);18.1667;K(35);*S*KL(35)
 459: *GUAM*AR(36);143.3314;L(36);14;K(36)
 460: *HONG KONG*AR(37);114.2614;L(37);22.2514;K(37)
 461: *INDIA - Calcutta*AR(38);88.5114;L(38);22.3167;K(38)
 462: *INDONESIA-Jakarta*AR(39);106.7514;L(39);6.1333;K(39);*S*KL(39)
 463: *JAPAN-Sapporo*AR(40);141.3514;L(40);43.0333;K(40)
 464: *JAPAN-Tokyo*AR(41);139.7514;L(41);35.6714;K(41)

INTERNATIONAL
DX DIGEST

7

CHUCK HUTTON
1035 LATHAM ROAD
DECATUR, GA 30033
(404) 633-1198
BF0AC 2300 ELT

Times are GMT. For ELT subtract 5 hours. Deadlines are usually Monday.

Just a little bitty column this time....

- 160 UNID 0554 2/26 very weak signal with mx-no ides with nothing in WRTH. (Cruser)
 164 FRANCE 0558 2/26 Alois with male singer. (Cruser)
 173 USSR 0615-0630 pop mx, male and female snners, several stations listed in WRTH but which one? (Cruser)
 207 MOROCCO 0552 2/26 man. (Cruser)
 218 MONACO 0550 2/26 man in QRN. (Cruser)
 254 ALGERIA with mx 2/26. (Cruser)
 560 JAMAICA RJR Geline at 0430 2/18 with "Bridge Over Troubled Waters" then Ray Charles' "Georgia". 0500 news with RJR ID at 0505 followed by Boz Scaggs tune. (Herkimer)
 590 MEXICO Mexico DF XEPH most of the past month has been coming in and last night had a super signal. US pop mx and frequent anncts with hyper announcers 0400 3/2. (George)
 600 COLOMBIA HJHJ H. Libertad, Barranquilla good, stop with ID's and accordion mx 0648 2/24. (DeLorenzo)
 625 UNID a station just barely audible here in SS with BF0 turned on 0330 3/2 w/traditional music. (George) Ecuador and an unid here-GH
 640 GUADELUPE 0511 2/21 Annouville stop jumble during below-average Caribbean ex. (Connolly)
 649.2 UNID weak hat looping eastern Brazil 3/1. (Stutterheim)
 650 UNID strong o/WSM at 2333 w/calssical mx, no ID until WSM came back powerfully, 1/30. (Dupre)
 645 UNID weak carrier at 0427, too weak for good listening. Paraguay? 1/30. (Dupre)
 690 CUBA CHEG/CHMQ R. Liberacion, Santa Clara with men and woman in program "Panorama Informativa" in SS, R. Habana Cuba and LW de Cuba ID's 0528 2/9, fair. (Frodge)
 720 JAMAICA RJR Kingston at 0540 2/18 with Roberts Flack, John Denver songs. Eastern Airlines ad at 0606, special deal on flight from Kingston. (Herkimer)
 760 CUBA R. Relej, Guanabacoa fair o/WJR w/all mx 0655 2/22. (DeLorenzo)
 770 PANAMA HOL47 Chitre man and woman with game broadcast and ID as R. Nacional o/WABC 0100 2/18, fair-poor. (Frodge)
 825 ST. KITTS fair signal with religious mx at 0310 2/28. (Cruser)
 834 BELIZE 0455 2/22 man with c&w mx, greetings to people, birthdays, requests then Belize prayer and anthem at 0511 o/off with frequencies of 910, 930, 940 and 1285 mentioned. Fair-good 2/22. (Frodge) man with weak signal at 0300 2/28. (Cruser)
 880 CUBA CMF R. Progreso, Pinar del Rio with men and woman, SS EZL mx, "R&P" ID's, short news at 0550 over/under WGBS at 0600 2/22. (Frodge)
 891 ALGERIA Algiers just squeezing past a loud WLS w/Eastern voca! mx 0605-0613 2/28. (DeLorenzo)
 926.1 CUBA Roloj heard here 3/6. (Stutterheim)
 940 CUBA R. Relej fair o/assumed WENZ w/all mx 0701 2/22. (DeLorenzo)
 945 UNID carrier at 0623 1/31. (Dupre)
 1015 UNID carrier 0624 1/31. (Dupre)
 1025 COLOMBIA HJHJ tongue good signal at 0620 w/LA music, 1/31. (Dupre)
 1035 HAITI 4VEH with EE program and good signal at 0346 1/30. (Dupre)
 1044 UNID heard weak signal-man talking with low modulation and unable to identify at 0257. (Cruser)
 1060 MEXICO XEPH H. Educacion with men and woman with "musica camera" and some LA mx before 0300, 2/9. (Frodge)
 1100 COLOMBIA HJCH R. Relej, Bogota with ID promos, travel promo for Mexico, under WWSW 0335 2/3, poor. (Frodge)
 1160 COLOMBIA very strong but not sure of the call at 0600 o/KSL, 1/31. (Dupre)
 1170 COLOMBIA 0456 2/19 HJNW Cartagena with Carscol net ID. (Connolly)
 1175 COLOMBIA LV do ?? at 0409 in SS, solid copy until 0500 but QRN 1/30. (Dupre)
 1197 UNID weak carrier on this frequency at 0610 1/31, any idea? (Dupre) Yes, probably Morocco-GH But a slight possibility it is VOA Munich
 1200 VENEZUELA R. Tiempo with good signal, LA mx and ID at 2321 on 1/30. (Dupre)

- 1205 CAYMAN ISLANDS Georgetown with a/off at 0430 preceded by EZL music, poor 2.22. (Prodge)
- 1250 COLUMBIA HJCA R. Capital, Bogota with vocal mx, promo, lost 0303 to QHH from WAMP/WTAS 2/22. (Prodge)
- 1375 ST. PIERRE ET MIQUELON with two men talking in FF about fishing, fair to poor at 2111 1/31. (Dupre)
- 1467 MONACO 2/21 Monte Carlo with GG talk in and out of slop. (Connolly)
- 1494 FRANCE 0606 2/21 synchros fair w/woman in FF, YF stronger 1557. (Connolly)
- 1521 SAUDI ARABIA Duba assumed to be the source of siter-like mx and man in AA 2231-2241 2/26. Very clear in peaks w/no problem from 1520 domestics. Only TA making it at the time. (DeLorenzo)
- 1540 BAHAMAS 0308 2/17 NZS1 o/u WPTR with ad for Central Furniture on State Street then news about cocaine bust, weather, reggae. (Con)
- 1555 CAYMAN ISLANDS 0313 2/17 Gun Bluff R. Cayman local mx xint despite WQXR slop. (Connolly)
- 1557 FRANCE 0604 Nice with FF talk then Afro-reggae mx like a local, often overwhelming adjacent WQXR. (Connolly) Carrier at 0626 1/31. (Dupre)
- 1560 MEXICO XEYIP fair at 0507, no ID of XEYIP but mention of YIP in SS at 1/31. (Dupre) Must have been something else-XEYIP was EE but they are no longer on the air-allegedly replaced by another station if I recall right-CH
- 1566 SWITZERLAND 0600 2/21 Sarnen xint w/bouncy mx, UG talk, 5 1 KHz pips thensixth at higher frequency, RH mx. (Connolly)
- 1575 TURISIA 0536 2/21 Sfax w/AA vocal o/u Sarnen w/OG choral mx. (Con)
- ITALY Genoa with men in II and song, fair at 0720 1/2. Slop from CMLM. (Dupre) 0601 2/21 loud with news in II. (Connolly) 2/21 at 0600 with pips, soft-spoken woman in II. (Herkimer)
- 1580 ANTIQUA VOA with men talking, program on Gerahwin, woman with "Report to the America" 0100 2/21, fair. (Prodge)
- 1584 SPAIN 0602 2/21 SS talk, xint. (Connolly) 2/21 at 0500 pips on the hour, 4 short, one long. Male SS speaker with mx followed by an interview. No local ID. (Herkimer)
- 1593 WEST GERMANY 0603 2/21 Langenberg good w/GO news by woman. (Con)
- 1610 ANGIILLA R. Hesson very strong with EE ID at 2330 1/30. (Dupre) 0228 man in EE with program notes, ID, PH100 promo, AST TC 2/23. (Prodge)
- 1622 UNID 0533 2/21 official sounding EE mx, possibly a bootleg rebroadcast or maybe something new in the Caribbean. (Connolly) Sounds like the SNC link Vince Pinto tracked down-CH

Mark Connolly-W. Yarmouth, Ma. ICF2001, Palomar loop
 Eric Cruser-Lakethurst, NJ TSH309, LW
 MarcDeLorenzo-Sudbury, Ma. HQ100, 3M2, LW
 Richard Dupre-Sorel, Quebec 1942 RCA rcvr, 30' lw, 3M2
 Charles George-Dallas, Texas 1942 RCA rcvr, 30' LW, 3M2
 Jim Herkimer-Caledonia, NY R390A, Bohac loop, Connolly phasing unit, LW
 Matt Stutterheim-Montauk, LI K390A, loop, wire, etc.

Boy am I tired. Typed this thing after returning to the house in time for the 11 PM news. If you want some chitty chat turn to some other column, hi.

Continued from Page 6 this is the end of this segment of the article. A sample "RUN" is to be ran in a future issue.

```
465: "KIRIBATI")A#(423);173)LC(42);1.5)K(42);"S")K(42)
466: "KOREA(S)-Seoul")A#(43);126.9667)LC(43);37.55)K(43)
467: "MONGOLIA-Ulan Bator")A#(44);106.8533)LC(44);47.9167)K(44)
468: "NEW ZEALAND-To Ararua")A#(45);178.42)LC(45);37.63)K(45);"S")K(45)
469: "NORTH POLE")A#(46);0)LC(46);90)K(46)
470: "PAPUA N.G.-Port Moresby")A#(47);147.1667)LC(47);9.5)K(47);"S")K(47)
471: "PHILIPPINES-Manila")A#(48);120.9833)LC(48);14.6)K(48)
472: "PITCAIRN IS.")A#(49);130.8833)LC(49);"H")LC(49)
473: "PITCAIRN IS.")A#(49);25.8667)K(49);"S")K(49)
474: "TAHITI-Papeete")A#(50);149.57)LC(50);"H")LC(50);17.53)K(50);"S")K(50)
475: "TAIWAN")A#(51);121.4)LC(51);25.15)K(51)
476: "THAILAND")A#(52);100.48)LC(52);13.33)K(52)
477: "TIBET-Lhasa")A#(53);91.17)LC(53);29.60)K(53)
478: "USSR-Khabarovsk")A#(54);135.1)LC(54);48.45)K(54)
479: "USSR-Petropavlovsk")A#(55);158.65)LC(55);53.02)K(55)
480: ret
*11151
```

END OF ARTICLE

```
01: "FILE NAME: 'GCT'";
14: gsb "SCHCLR"
2: wrt 10, " GREAT CIRCLE BEARING & DISTANCE PROGRAM"
3: wrt 10, " BUILT-IN DATA TABLE VERSION"
4: wrt 10, " Refer to IIT book 'Reference Data for Radio Engineers,'"
5: wrt 10, " pages 28-9, 20-10, & 20-11. "
6: wrt 10
7: wrt 10
8: wrt 10, "Simple variables used: ABCDEFGHIJKLMNOPQRSTUVWXYZ"
9: unit 3000
10: gsb "SCHCLR"
11: dtr K(54),L(56),S(4),N(4),K(53),Z(55)
12: dtr A(55),Z(5),D(33),K(55,1),L(55,1),P(2),O(12),T(17,50)
13: "A";
14: ent "GC distance unit?<H,MM,ORH>";D;
15: "Hitting CONTINUE without entry retains previous distance unit.";
16: if D#="H"; and D#="MM" and D#="ORH" gto "A"
17: if D#="MM";60)S(4)
18: if D#="H";63.05)S(4)
19: if D#="ORH";111.12)S(4)
20: ent "Name of operator's OTH?";A#(1)
21: "K";
22: ent "Is operator latitude H or S?";K(1);if K(1)#"H" and K(1)#"S";jnp 0
23: ent "Operator's latitude, degrees?";K(1)
24: if int(K(1))#K(1);gto "KK"
25: 0)S(2);0)S(3)
26: ent "Minutes of operator's latitude?";S(2)
27: ent "Seconds of operator's latitude?";S(3)
28: K(1);S(1);gsb "DECDEG"
29: S(1);K(1)
30: "KK";
31: if K(1)#"S";-K(1);K(1)
32: "L";
33: ent "Is op. longitude E or W?";L(1);if L(1)#"E" and L(1)#"W";jnp 0
34: ent "Operator's longitude, degrees?";L(1)
35: if int(L(1))#L(1);gto "LL"
36: 0)S(2);0)S(3)
37: ent "Minutes of operator's longitude?";S(2)
38: ent "Seconds of operator's longitude?";S(3)
39: L(1);S(1);gsb "DECDEG"
40: S(1);L(1)
41: "LL";
42: if L(1)#"E";-L(1);L(1)
43: "E";
44: gsb "SCHCLR"
45: wrt 10, "Select data-table output from the following menu:"
46: wrt 10
47: "Metro-Boston";T(1)
48: "East Coast North America";T(2)
49: "Trans-Atlantic";T(3)
50: "Latin America & the Caribbean";T(4)
51: "Western North America, Pacific, & East Asia";T(5)
52: "ALL TABLES";T(6)
53: for B=1,2,3,4,5,6,7,8,9,10
54: for I=1 to 6
55: wrt 10,B,I,"",T(I)
56: next I
57: ent "Table # (see CRT)";B
58: gsb "SCHCLR"
59: if int(B)#B or B #gto "B"
60: "0";T(1)
61: if B=1;"B";T(1)
62: if T(7)#"B";gto "BB"
63: for B=1 to 5
64: "BB";
65: if B=1;gsb "TABLE1"
66: if B=2;gsb "TABLE2"
67: if B=3;gsb "TABLE3"
68: if B=4;gsb "TABLE4"
69: if B=5;gsb "TABLE5"
70: for H=2 to 55
71: if K(H)#"S";=K(H);K(H)
72: if L(H)#"E";=L(H);L(H)
73: next H
74: gsb "CALC"
75: gsb "OUTPUT"
76: if T(7)#"B";gto "BB"
77: next B
78: "BB";
79: "Y";0;
80: ent "New table's (same op.OTH?<H=NO>);D;
81: if D#"NO";gto "E"
82: "Y";P;
83: ent "New operator OTH?<H=NO>";P;
84: if P#"NO";gto "END"
85: gto "A"
86: "END";
```

The Syntax used in the "HPL" Dialect of Basic load on the Hewlett Packard 9825 series DeskTop Computers. And you should be able to convert this program to standard Basic.
 Mark Connolly


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87: end
88: "CALC":
89: for J=2 to 55
90: if L[J]=L[1] and K[J]=K[1];0;K[J];0;Z[J];go "XZOUT"
91: if L[J]=L[1];L[J]+.00001;L[J]
92: if K[J]=K[1];K[J]+.00001;K[J]
93: if H[4];% initialize-latitude-node-to-1(DX-more-easterly-than-op)
94: if L[1];L[1];2;H[4];% latitude-node-2(DX-more-westerly-than-op)
95: if K[1];K[1];go "OPLATH"
96: "OPLATH":% DX-OTH-latitude-higher
97: K[1];K[1];% greater-latitude;DXOTH(LRoFBook)
98: K[1];K[2];% lesser-latitude;opOTH(LRoFBook)
99: L[H[3]];% longitude-node-1(DX-more-northerly-than-op)
100: go "HATH"
101: "OPLATH":% operator-OTH-latitude-higher
102: K[1];H[1];% greater-latitude;opOTH(LRoFBook)
103: K[1];H[2];% lesser-latitude;DXOTH(LRoFBook)
104: 2;H[3];% longitude-node-2(DX-more-southerly-than-op)
105: "HATH":
106: if H[4]=1;L[1]-L[1];C;% latitude-difference
107: if H[4]=2;L[1]-L[1];C;% latitude-difference
108: if C<0;360+C
109: if C/180=INT(C/180);C+.0001;C
110: H[1];H[2];% LD=LRoFBook
111: H[1];H[2];% LD=LRoFBook
112: if U/180=INT(U/180);U+.0001;U
113: 1/tan(C/2)+cos(V/2)/sin(U/2);%G;% tan((Y-X)/2)
114: atan(G)/R;% (Y+X)/2
115: 1/tan(C/2)+sin(V/2)/cos(U/2);%H;% tan((Y-X)/2)
116: atan(H)/S;% (Y-X)/2
117: if S/180=INT(S/180);S+.0001;S
118: R*S;I;% angle-between-H-S-pts,-of-greater-long.-fr.-pt.-of-lesser-long.
119: R*S;I;% angle-between-H-S-pts,-of-lesser-long.-fr.-pt.-of-greater-long.
120: tan(V/2)+sin(R)/sin(S);%F;% tan(Z/2)
121: abs(2*atan(F))/Z[J];% degrees-of-arc-along-earth's-surface
122: if H[3]=1 and H[4]=1;K[X]
123: if H[3]=1 and H[4]=2;360-K[X]
124: if H[3]=2 and H[4]=1;K[X]
125: if H[3]=2 and H[4]=2;360+K[X]
126: if K[1]+K[2]>100;K[X]
127: if K[1]+K[2]>360;K[X]
128: "XZOUT":
129: if K[X]>359.9;0;K[X]
130: "K[X]"; great-circle bearing from operator to BK.":
131: next J
132: ret
133: "DECBEG":% degree-decimalizer
134: S[1]+S[2]/60+S[3]/3600;S[1]
135: ret
136: "OUTPUT":
137: if D=1 and T#7;D#6;go "P"
138: 0;D
139: ent "Print to paper?<[yes]";D
140: if D=1;D;go "D";% LPselected
141: 0;D;% CRTselected
142: 0;D
143: if D=10;go "SCHCLR"
144: 1;T
145: if D=6;ent "Number of copies?";T
146: "P":
147: for P=1 to T
148: if D=6;beep;dap "Hit PAGE button on printer.";wait 5000;dap ""
149: fnt 7,72;=""
150: wrt 0;.7
151: fnt 1,3c,f7,3,2c,f7,3,2c
152: 56;abs(K[1]);K[56];abs(L[1]);L[56]
153: wrt 0;.1;"Operator OTH : ",R[1],K[1],"/",L[1],L[1];" >"
154: wrt 0
155: fnt 9,c,x,f1,0,x,c,x,c
156: wrt 0;.9;"Table",E,"1",T[1]
157: wrt 0
158: fnt 2,3x,c,22x,c,8x,c,7x,3c
159: wrt 0;.2;" DX OTH ",coordinates",GCB",GCB(",0#,"")
160: fnt 3,72;=""
161: wrt 0;.3
162: for B=2 to 55
163: 27-len(R[1]);D
164: fnt 4,c,z
165: wrt 0;.4,R[B]
166: for K=1 to D
167: fnt 5,x,z
168: wrt 0;.5
169: next K
170: fnt 6,f7,3,2c,f7,3,2c,5x,f5,1,5x,f8,2
171: wrt 0;.6;abs(L[M]),L[1],"/",abs(K[N]),K[1],X[N],S[4]+Z[N]
172: next M
173: next P

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174: ret
175: "SCHCLR":% clearCRTscreen
176: for E=1 to 25
177: wrt 10
178: next E
179: ret
180: % DATA-TABLE-CONSTRUCTION-SUBROUTINES
181: "TABLE1":% Metro-Boston
182: for Z=2 to 55
183: "H";K[Z];"H";L[Z]
184: next Z
185: "MEL-590 (Medford)">R[2];71.088;L[2];42.41;K[2]
186: "MRO-690 (Merrimack)">R[3];71.217;L[3];42.49;K[3]
187: "MCS-740 (Cambridge)">R[4];71.145;L[4];42.383;K[4]
188: "MHD-850 (Needham)">R[5];71.265;L[5];42.25;K[5]
189: "MRL-950 (Saugus)">R[6];70.930;L[6];42.44;K[6]
190: "MSE-1030 (Hull)">R[7];70.875;L[7];42.278;K[7]
191: "MIL-1090 (Medford)">R[8];71.082;L[8];42.413;K[8]
192: "MHE-1150 (Lexington)">R[9];71.213;L[9];42.41;K[9]
193: "MESH-1230 (Haverhill)">R[10];70.867;L[10];42.517;K[10]
194: "MEE-1260 (E.Hilton)">R[11];71.038;L[11];42.271;K[11]
195: "MJD-1300 (Quincy)">R[12];70.969;L[12];42.263;K[12]
196: "MHL-1330 (Malden)">R[13];71.26;L[13];42.358;K[13]
197: "MLY-1360 (Lynn)">R[14];70.975;L[14];42.45;K[14]
198: "MKS-1430 (Medford)">R[15];71.083;L[15];42.41;K[15]
199: "MRE-1510 (Methuen)">R[16];71.21;L[16];42.305;K[16]
200: "MNT-1550 (Newton)">R[17];71.25;L[17];42.35;K[17]
201: "MUR-1600 (Newton)">R[18];71.19;L[18];42.288;K[18]
202: "TV Towers(Needham/Newton)">R[19];71.22;L[19];42.305;K[19]
203: "CT - Hartford">R[20];72.603;L[20];41.7667;K[20]
204: "CT - Putnam">R[21];71.9167;L[21];41.9167;K[21]
205: "MA - Acton">R[22];71.4333;L[22];42.4033;K[22]
206: "MA - Arlington-Bellmont">R[23];71.17;L[23];42.41;K[23]
207: "MA - Billerica">R[24];71.223;L[24];42.539;K[24]
208: "MA - Boston">R[25];71.063;L[25];42.36;K[25]
209: "MA - Bourne(Sagamore Br.)">R[26];70.55;L[26];41.775;K[26]
210: "MA - Brockton">R[27];71.0167;L[27];42.0033;K[27]
211: "MA - Chatham">R[28];69.95;L[28];41.67;K[28]
212: "MA - Dennisport">R[29];70.13;L[29];41.66;K[29]
213: "MA - Fall River">R[30];71.1333;L[30];41.7167;K[30]
214: "MA - Falmouth">R[31];70.6333;L[31];41.5667;K[31]
215: "MA - Fitchburg">R[32];71.8;L[32];42.5883;K[32]
216: "MA - Foxborough">R[33];71.2667;L[33];42.0667;K[33]
217: "MA - Framingham">R[34];71.4167;L[34];42.2833;K[34]
218: "MA - Great Blue Hill">R[35];71.1;L[35];42.225;K[35]
219: "MA - Haverhill">R[36];71.0333;L[36];42.7833;K[36]
220: "MA - Laurence">R[37];71.15;L[37];42.7;K[37]
221: "MA - Lowell">R[38];71.3;L[38];42.65;K[38]
222: "MA - Marshfield">R[39];70.72;L[39];42.1;K[39]
223: "MA-Martha's Vineyard(SH)">R[40];70.8817;L[40];41.35;K[40]
224: "MA - Milford">R[41];71.5333;L[41];42.1333;K[41]
225: "MA - New Bedford">R[42];70.9333;L[42];41.6333;K[42]
226: "MA - Needhamport">R[43];70.8333;L[43];42.8167;K[43]
227: "MA - Plymouth">R[44];70.6667;L[44];41.9667;K[44]
228: "MA - Provincetown">R[45];70.18;L[45];42.07;K[45]
229: "MA - Rockport">R[46];70.6;L[46];42.665;K[46]
230: "MA - Springfield">R[47];72.61;L[47];42.187;K[47]
231: "MA - Sudbury">R[48];71.485;L[48];42.395;K[48]
232: "MA - Taunton">R[49];71.1;L[49];41.9;K[49]
233: "MA - Worcester">R[50];71.0;L[50];42.2667;K[50]
234: "NH - Keene">R[51];72.2833;L[51];42.9333;K[51]
235: "NH - Manchester">R[52];71.4667;L[52];42.9333;K[52]
236: "NH - Portsmouth">R[53];70.7667;L[53];43.0667;K[53]
237: "RI - Narragansett">R[54];71.45;L[54];41.43;K[54]
238: "RI - Providence">R[55];71.4167;L[55];41.8333;K[55]
239: ret
240: "TABLE2":% EastCoastNorthAmerica
241: for Z=2 to 55
242: "H";K[Z];"H";L[Z]
243: next Z
244: "St. Pierre/Niquelen">R[2];56.1667;L[2];46.9167;K[2]
245: "LABRADOR - Mebron">R[3];69.5;L[3];59.1667;K[3]
246: "NF - St. Anthony">R[4];55.5033;L[4];51.3667;K[4]
247: "NF - St. John's">R[5];52.68;L[5];47.57;K[5]
248: "NS - Halifax">R[6];63.50;L[6];44.63;K[6]
249: "NS - Sydney">R[7];60.1833;L[7];46.15;K[7]
250: "NS - Yarmouth">R[8];66.13;L[8];43.93;K[8]
251: "ON - Toronto">R[9];79.42;L[9];43.7;K[9]
252: "OU - Caspe">R[10];64.4033;L[10];48.8333;K[10]
253: "OU - Montreal">R[11];73.6;L[11];45.5;K[11]
254: "OU - Quebec City">R[12];71.2167;L[12];46.0167;K[12]
255: "CT - New London">R[13];72.1;L[13];41.35;K[13]
256: "DC - Washington">R[14];77;L[14];38.32;K[14]
257: "FL - Daytona Beach">R[15];81;L[15];29.2;K[15]
258: "FL - Miami">R[16];80.2;L[16];25.75;K[16]
259: "FL - Pensacola">R[17];87.25;L[17];30.4;K[17]
260: "GA - Atlanta">R[18];84.30;L[18];33.75;K[18]

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261: *GA - Brunswick")Af(191);81.4833L(191);31.1667K(191)
 262: *IL - Chicago")Af(201);87.75L(201);41.8333K(201)
 263: *KY - Louisville")Af(211);95.75L(211);30.2667K(211)
 264: *LA - New Orleans")Af(221);90.05L(221);30.1K(221)
 265: *MA - Billerica")Af(231);71.2233L(231);42.5500K(231)
 266: *MA - Boston")Af(241);71.0633L(241);42.3611K(241)
 267: *MA - Rockport")Af(251);70.61L(251);42.6651K(251)
 268: *MA - Scituate")Af(261);70.72L(261);42.21K(261)
 269: *MA - Siasconset")Af(271);69.97L(271);41.25K(271)
 270: *MA - West Yarmouth")Af(281);70.22L(281);41.68K(281)
 271: *MD - Baltimore")Af(291);76.6167L(291);39.2033K(291)
 272: *MD - Ocean City")Af(301);75.11L(301);39.35K(301)
 273: *ME - Bar Harbor")Af(311);69.23L(311);44.33K(311)
 274: *ME - Portland")Af(321);70.2833L(321);43.65K(321)
 275: *MI - Detroit")Af(331);83.08L(331);42.30K(331)
 276: *MI - Duluth")Af(341);92.11L(341);46.7033K(341)
 277: *MI - Euxton/C.Hackerus")Af(351);75.53L(351);35.27K(351)
 278: *MI - Cape Fear")Af(361);78.11L(361);33.8833K(361)
 279: *MI - St. Washington")Af(371);71.31L(371);44.275K(371)
 280: *MI - Cape Way")Af(381);74.95L(381);38.93K(381)
 281: *MI - Ton's River")Af(391);74.21L(391);39.9667K(391)
 282: *NY - Albany")Af(401);73.75L(401);42.65K(401)
 283: *NY - Buffalo")Af(411);78.82L(411);42.91K(411)
 284: *NY - Montauk, LI")Af(421);71.05L(421);41.07K(421)
 285: *NY - New York City")Af(431);73.83L(431);40.67K(431)
 286: *NY - Syracuse")Af(441);76.15L(441);43.05K(441)
 287: *OH - Cincinnati")Af(451);84.53L(451);39.17K(451)
 288: *OH - Cleveland")Af(461);81.71L(461);41.5K(461)
 289: *PA - Philadelphia")Af(471);75.21L(471);40K(471)
 290: *PA - Pittsburgh")Af(481);80L(481);40.45K(481)
 291: *RI - Newport")Af(491);71.31L(491);41.47K(491)
 292: *SC - Charleston")Af(501);79.95L(501);32.0K(501)
 293: *SC - Hilton Head Is.")Af(511);80.75L(511);32.2K(511)
 294: *TN - Nashville")Af(521);86.01L(521);36.15K(521)
 295: *TX - Brownsville")Af(531);97.5L(531);25.9K(531)
 296: *TX - Houston")Af(541);95.41L(541);29.75K(541)
 297: *VA - Norfolk")Af(551);76.31L(551);36.9K(551)
 298: *rel
 299: *TABLE3*:% Trans-Atlantic
 300: for Z=2 to 55
 301: *E*)L(23);*M*)K(23)
 302: next Z
 303: *HA-Eastham")Af(21);69.9667L(21);*M*)L(21);41.0167K(21)
 304: *HF-Cape Race")Af(31);53L(31);*M*)L(31);46.7K(31)
 305: *ALBANIA-Tirana")Af(41);19.82L(41);41.33K(41)
 306: *ALGERIA-Algiers")Af(51);31L(51);36.83K(51)
 307: *ANGOLA-Lvanda")Af(61);13.25L(61);8.83K(61);*S*)K(61)
 308: *ANCIEN TOU IS.")Af(71);14.37L(71);*M*)L(71);7.95K(71);*S*)K(71)
 309: *AUSTRIA-Vienna")Af(81);16.37L(81);48.22K(81)
 310: *AZORES-Flora")Af(91);31.21L(91);*M*)L(91);39.4K(91)
 311: *BELGIUM-Brussels")Af(101);4.35L(101);50.83K(101)
 312: *BULGARIA-Sofia")Af(111);23.3L(111);42.67K(111)
 313: *CANARY IS.-S.C.deTenerife")Af(121);16.25L(121);*M*)L(121)
 314: *CANARY IS.-S.C.deTenerife")Af(131);28.47K(131)
 315: *CHINA-Urnuq")Af(131);87.63L(131);43.72K(131)
 316: *CZECHOSLOVAKIA-Prague")Af(141);14.42L(141);50.08K(141)
 317: *DENMARK-Esbjerg")Af(151);0.47L(151);55.47K(151)
 318: *EGYPT-Cairo")Af(161);31.25L(161);30.05K(161)
 319: *ENGLAND-London")Af(171);17L(171);*M*)L(171);51.5K(171)
 320: *ENGLAND-Penzance")Af(181);5.55L(181);*M*)L(181);50.12K(181)
 321: *ENGLAND-Helsink")Af(191);24.9667L(191);60.1667K(191)
 322: *FRANCE-Paris")Af(201);2.33L(201);40.87K(201)
 323: *GERMANY(N)-Langenberg")Af(211);7.12L(211);51.37K(211)
 324: *GREECE-Athens")Af(221);29.73L(221);38K(221)
 325: *GREENLAND-C.Farouel")Af(231);43.67L(231);*M*)L(231);59.83K(231)
 326: *HOLLAND-Hilversum")Af(241);5.17L(241);52.23K(241)
 327: *HUNGARY-Budapest")Af(251);19.05L(251);47.5K(251)
 328: *ICELAND-Reykjavik")Af(261);21.97L(261);*M*)L(261);64.15K(261)
 329: *INDIA-New Delhi")Af(271);77.22L(271);28.62K(271)
 330: *IRAN-Teheran")Af(281);51.43L(281);35.67K(281)
 331: *IRELAND-Brandon M.")Af(291);10.25L(291);*M*)L(291);52.23K(291)
 332: *ISRAEL-Tel Aviv")Af(301);34.77L(301);32.08K(301)
 333: *ITALY-Rome")Af(311);12.5L(311);41.80K(311)
 334: *KENYA-Hairobi")Af(321);36.83L(321);1.28K(321);*S*)K(321)
 335: *KUWAIT")Af(331);47.06L(331);29.26K(331)
 336: *MEXICO-Monte Carlo")Af(341);7.47L(341);43.73K(341)
 337: *MEXICO-Rabac")Af(351);6.95L(351);*M*)L(351);34.03K(351)
 338: *NIGERIA-Lagos")Af(361);3.47L(361);6.45K(361)
 339: *NORWAY-Mannerfest")Af(371);23.71L(371);70.6667K(371)
 340: *NORWAY-Kvitsoy")Af(381);5.43L(381);59.07K(381)
 341: *ONAH")Af(391);56.75L(391);10.83K(391)
 342: *POLAND-Warsaw")Af(401);21L(401);52.25K(401)
 343: *PORTUGAL-Lisbon")Af(411);9.13L(411);*M*)L(411);38.73K(411)
 344: *ROMANIA-Bucharest")Af(421);26.13L(421);41.42K(421)
 345: *SAUDI ARABIA-Duba")Af(431);35.77L(431);27.32K(431)
 346: *SCOTLAND-John O'Groats")Af(441);3.03L(441);*M*)L(441);58.65K(441)
 347: *SENEGAL-Dakar")Af(451);17.45L(451);*M*)L(451);14.63K(451)
 348: *SOUTH AFRICA-Cape Town")Af(461);18.47L(461);38.93K(461);*S*)K(461)

349: *SPAIN-Madrid")Af(471);3.72L(471);*M*)L(471);40.42K(471)
 350: *SWEDEN-Stockholm")Af(481);18.05L(481);59.3333K(481)
 351: *SWITZERLAND-Zurich")Af(491);9.55L(491);47.38K(491)
 352: *TRISTAN DA CUNHA")Af(501);12.5L(501);*M*)L(501);37.25K(501);*S*)K(501)
 353: *TURKEY-Istanbul")Af(511);28.95L(511);41.03K(511)
 354: *USSR-Moscow")Af(521);37.71L(521);55.75K(521)
 355: *USSR-Riga")Af(531);24.11L(531);56.95K(531)
 356: *USSR-Yerevan")Af(541);44.02L(541);40.17K(541)
 357: *YUGOSLAVIA-Zagreb")Af(551);15.9667L(551);45.0K(551)
 358: *rel
 359: *TABLE4*:% Lat in America/Caribbean
 360: for Z=2 to 55
 361: *M*)L(23);*M*)K(23)
 362: next Z
 363: *ANTIGUA-St. John's")Af(21);61.85L(21);17.12K(21)
 364: *ARGENTINA-Buenos Aires")Af(31);59.51L(31);34.67K(31);*S*)K(31)
 365: *ARGENTINA-Ushuaia")Af(41);68.32L(41);34.8K(41);*S*)K(41)
 366: *ARHABAS-Massaw")Af(51);77.35L(51);25.0933K(51)
 367: *BARBADOS-Bridgetown")Af(61);59.62L(61);13.11K(61)
 368: *BELIZE-Belize City")Af(71);88.17L(71);17.48K(71)
 369: *BERMUDA-Hamilton")Af(81);64.01L(81);32.3K(81)
 370: *BOLIVIA-La Paz")Af(91);69.05L(91);16.51K(91);*S*)K(91)
 371: *BRAZIL-Belen")Af(101);48L(101);21K(101);*S*)K(101)
 372: *BRAZIL-Brasilia")Af(111);47.9167L(111);15.7633K(111);*S*)K(111)
 373: *BRAZIL-Hanaua")Af(121);60L(121);3.13K(121);*S*)K(121)
 374: *BRAZIL-Itait")Af(131);35.25L(131);5.77K(131);*S*)K(131)
 375: *BRAZIL-Paranaiba")Af(141);41.7833L(141);2.91K(141);*S*)K(141)
 376: *BRAZIL-Rio de Janeiro")Af(151);43.28L(151);22.85K(151);*S*)K(151)
 377: *CAYMAN IS.")Af(161);61.25L(161);19.3333K(161)
 378: *CHILE-Valparaiso")Af(171);71.67L(171);33.08K(171);*S*)K(171)
 379: *COLOMBIA-Barranquilla")Af(181);74.03L(181);11K(181)
 380: *COLOMBIA-Bogota")Af(191);74.03L(191);4.6K(191)
 381: *COSTA RICA-San Jose")Af(201);84.07L(201);9.58K(201)
 382: *CUBA-Havana")Af(211);82.42L(211);23.12K(211)
 383: *DOMINICA")Af(221);61.00L(221);15.41K(221)
 384: *DOMINICAN REP.")Af(231);69.91L(231);19.5K(231)
 385: *ECUADOR-Quito")Af(241);78.5L(241);23K(241);*S*)K(241)
 386: *EL SALVADOR")Af(251);89.10L(251);13.75K(251)
 387: *FALKLANDS IS.-Stanley")Af(261);57.53L(261);51.75K(261);*S*)K(261)
 388: *GALAPAGOS IS.")Af(271);90.5L(271);5K(271);*S*)K(271)
 389: *GRENADA")Af(281);61.76L(281);12.01K(281)
 390: *GUADELOUPE")Af(291);61.31L(291);16.11K(291)
 391: *GUATEMALA")Af(301);90.53L(301);14.61K(301)
 392: *GUYANA")Af(311);58.08L(311);6.81K(311)
 393: *HAITI")Af(321);72.33L(321);18.50K(321)
 394: *HONDURAS")Af(331);87.25L(331);14.13K(331)
 395: *JAMAICA")Af(341);77.51L(341);18.35K(341)
 396: *MEXICO-Acapulco")Af(351);99.9167L(351);16.05K(351)
 397: *MEXICO-Cabo San Lucas")Af(361);110L(361);22.8K(361)
 398: *MEXICO-Mexico City")Af(371);99.17L(371);19.42K(371)
 399: *MEXICO-Puerto Juarez Yuc.")Af(381);66.83L(381);21.17K(381)
 400: *MEXICO-Tijuana")Af(391);117.0167L(391);32.9333K(391)
 401: *NETH. ANTILLES-Bonaire")Af(401);68.25L(401);12.1667K(401)
 402: *NICARAGUA-Managua")Af(411);86.31L(411);12.1K(411)
 403: *PANAMA-Panama City")Af(421);79.5L(421);8.95K(421)
 404: *PARAGUAY-Asuncion")Af(431);57.6667L(431);25.2667K(431);*S*)K(431)
 405: *PERU-Lima")Af(441);77.05L(441);12.11K(441);*S*)K(441)
 406: *PUERTO RICO-San Juan")Af(451);66.13L(451);18.48K(451)
 407: *SAINT X(TTS")Af(461);62.41L(461);17.4K(461)
 408: *SOUTH POLE")Af(471);0L(471);90K(471);*S*)K(471)
 409: *SURINAM-Paramaribo")Af(481);55.23L(481);5.87K(481)
 410: *SOUTH IS.")Af(491);89.9167L(491);17.4167K(491)
 411: *TRINIDAD-Port of Spain")Af(501);61.52L(501);10.63K(501)
 412: *URUGUAY")Af(511);56.16L(511);34.83K(511);*S*)K(511)
 413: *VENEZUELA-Caracas")Af(521);66.93L(521);16.58K(521)
 414: *VENEZUELA-La Asuncion")Af(531);63.8833L(531);11.0333K(531)
 415: *VENEZUELA-Maracaibo")Af(541);71.6167L(541);10.6667K(541)
 416: *VIRGIN IS.-Roadtown")Af(551);64.65L(551);18.17K(551)
 417: *rel
 418: *TABLE5*:% western N. America/Pacific/E. Asia/Down Under
 419: for Z=2 to 27
 420: *M*)L(23);*M*)K(23)
 421: next Z
 422: *AB - Calgary")Af(21);114.0833L(21);51.05K(21)
 423: *BC - Vancouver")Af(31);123.12L(31);49.27K(31)
 424: *SE - Regina")Af(41);104.63L(41);50.5K(41)
 425: *YT - Elsa")Af(51);135.48L(51);63.92K(51)
 426: *AK - Anchorage")Af(61);150L(61);61.17K(61)
 427: *AK - Juneau")Af(71);134.25L(71);58.5K(71)
 428: *AK - Nome")Af(81);165.51L(81);63.67K(81)
 429: *AZ - Phoenix")Af(91);112.05L(91);33.51K(91)
 430: *CA - Crescent City")Af(101);124.22L(101);41.77K(101)
 431: *CA - Los Angeles")Af(111);118.25L(111);34K(111)
 432: *CA - San Francisco")Af(121);122.45L(121);37.75K(121)
 433: *CO - Denver")Af(131);105L(131);39.75K(131)
 434: *HI - Honolulu")Af(141);157.83L(141);21.32K(141)
 435: *ID - Boise")Af(151);116.2167L(151);43.6167K(151)
 436: *MN - Minneapolis")Af(161);93.2167L(161);44.9033K(161)

Most DXers use a tape recorder while DXing. They use this for many reasons. Some DXers don't send for verities, but keep the tape as proof of reception. Some send tape reports with their request for verification. Still others just keep the recorder going to play back the tape in case an ID was missed. Its amazing how playing an ID 5 or 6 times can make it sometimes readable. Also don't forget the DXers that do some DXing remotely, either while they sleep, or are away, and listen to the tape later.

Most DXers use at least one portable receiver. Wouldn't it be nice if there was a high quality receiver that was combined with a cassette recorder. There are many radio/cassette recorder combinations around. The question that the DXer asks is there any that has a decent ECB section. In my experience most AM/FM cassette recorders have terrible ECB sections, especially as of late. Some of those giant, high audio power portables, do have an RF amp on the ECB, and are fairly sensitive, but the selectivity is wide as the proverbial barn door. There are many sizes, but all but one that I am aware of are not very good on the ECB. That one is the General Electric Model 3-5290B, Superadio/Cassette. I have owned this receiver for about 14 months, and its got a lot of use. I am going to try and pass along some comments as to its ability and worth to the ECB DXer.

The circuit is basically a GE Superadio with a cassette recorder attached. Some of the features are as follows:

- Tuned RF stage on the ECB as well as FM
- Air ganged tuning capacitor
- 7 7/8" Ferrite Rod Antenna
- 4 IF tuned circuits on the ECB
- 3" Woofer and 2" Tweeter Speakers
- Separate bass and treble controls as well as a loudness switch
- 5 segment LED signal strength, VU, and battery strength meter
- Digital tape counter
- Direct recording from the radio, built-in condenser mic, or external mic
- AM beat cancel oscillator switch
- Sleep Feature
- CrO₂/Normal tape select switch
- Operates on 8 "D" cells, 9v DC, or on 120v AC, with detachable line cord
- Power output (10% THD): 2 watts minimum
- AM Sensitivity @ 20 db Quieting: 130 uv/m
- Cassette S/N Ratio: 44 db
- It measures 15" X 11 1/2" X 4 1/2" with carrying handle up
- Weight is approximately 12 lbs with 6 "D" cells

This receiver is no compact. It is done entirely in silver. The dial is silver with black markings, with a silver pointer. Silver is nice but it can be overdone. A little black to set it off, would have improved the looks greatly.

PERFORMANCE

FREQUENCY READOUT

From 560 to 800 kHz the dial is marked every 100 kHz
 From 800 to 1000 kHz the dial is marked every 200 kHz
 from 1000 to 1600 kHz the dial is marked every 300 kHz

There is a logging scale with fifty marks for the length of the ECB. When properly aligned the dial pointer is accurate to marked points. Still it is very difficult to interpolate frequency closer than 50 kHz on the high end of the band. A digital LED readout would be a big plus for this receiver.

SENSITIVITY

In side by side comparisons with a 12-655 TRF and a Panasonic RF-2200, very little difference could be found in sensitivity. If there had to be a slight edge to anyone, I would have to possibly say the Superadio/Cassette is superior. This may be due to the stronger and more powerful audio amplifier, rather than the RF circuitry. I don't have a Superadio to compare it to, but according to the service manuals for 20 db Quieting, the Superadio/Cassette's sensitivity is 130 uv/m, while the Superadio's is 150 uv/m. Most DXers are used to seeing sensitivity stated in terms of 10 db S+N/N ratio. I really can't relate the 10 db S+N/N ratio to the 20 db Quieting method, but to make it short, the sensitivity is as good as if not better than the much talked about 12-655 TRF, which certainly no slouch.

NULLING ABILITY

The Superadio/Cassette is able to null stations slightly deeper than my TRF. While I do not have the facilities to measure this accurately, there were deeper nulls put on local stations, with the GE. Several semi-local stations I was able to null completely with the Superadio/Cassette, but with the TRF I could still detect a little audio. The RF-2200 nulled similar to the GE. It seemed that the TRF nulled in a slightly different direction than the Superadio/Cassette. Maybe the nulls of the TRF are slightly skewed in my unit. Main problem is the GE is just too big and bulky to rotate and tilt very easily.

SELECTIVITY

For selectivity the Superadio/Cassette uses 4 tuned IP transformers. There is only one selectivity position. Most of the Panasonic and Sony portables use ceramic filters for selectivity. GE's different philosophy seem to get the job done. The secret to the Hammarlund HQ-180's great selectivity was many IP transformers. While the GE's selectivity curve seems to be broader at the top than the RF-2200 or the TRF it catches up as the sides seem to be steeper. The GE compares favorably with the TRF and the broad position of the RF-2200, but loses to the RF-2200's narrow position, but not by much. The domestics and the strong splits are fine on the current selectivity, but the tougher splits will require better selectivity. Whether a ceramic filter or transfilter could be easily added is unknown. A single integrated circuit houses the mixer, oscillator, IF amp, detector, and audio preamp. No spurs, whistles, images, or shortwave feedthru have been noted, even when using an untuned long wire antenna. The receiver does not overload easily.

AUDIO

The audio is clear and sharp. Having the flexibility of separate bass and treble controls helps tailor the sound to many DXing conditions. Power output is very strong. Even though the audio is good, 2 portables that I have used have better sounding audio in my opinion: Panasonic RF-2600, and the Sony TRF-1800.

GENERAL

There 3 screw terminals on the back of the receiver for external antennas. The center terminal is common to both the AM antenna, and the FM antenna. I have good success using the Radio West Loop, and the SM-2 with the GE. An untuned long wire, and the DA-100 active antenna also couple well through the external antenna terminals. The nulls with a loop attached to the terminals are pretty good for a poorly shielded plastic body portable. The five segment LED signal strength meter is useless as it comes. It will only light up on super strong stations. This does not help in nulling. There is a trimpot to adjust the meter. I did this, and it helped its sensitivity a little, but there is still no registering on weak stations. Give me an old fashion meter anytime. The whip antenna is held at the swivel with a small



WOOD BROADCASTING, INC. N^{OR}W^{EST}
 180 NORTH DIVISION - GRAND RAPIDS, MICHIGAN 49503

KJJK AM & FM STEREO
 P. O. Box 99 Columbus, Nebraska

KAWL
 RADIO YORK

A NEW STATE BROADCASTING STATION
 2241 BUILDING YORK, NEBRASKA 68402

WLS
 WILSON

kmvtv RADIO 5825 AM
 1517 FM
 BOX 29
 MAYVILLE, NORTH DAKOTA 58257

Phillips head screw that constantly comes loose. The head gets striped out with constant retightening. The antenna will not stay vertical when it gets loose. A minor inconvenience, but one nonetheless. Nobs and cassette keys are on the front panel, not on top as is the case with a lot of machines. Battery life for the 6 "D" cells varies with how much recording is done. I recommend using alkaline batteries, recording will deplete general purpose batteries very quickly.

CASSETTE RECORDER

The cassette section is mono, but of good quality. The recordings off the radio are very clear and accurate reproductions. There is a 2 position AM beat cancel switch. This shifts the bias oscillator, so it does not make a beat note with the station you are recording on the BOB. One of the positions should cancel this beat note. On some stations however, the beat note is not completely canceled. A switch to the Groq type tape position will sometimes help this problem.

FM

Although we are BOB only, I know many members DX FM also. I'll make a quick mention of the Superadio/Cassettes performance on that band. The FM section uses 3 IF transformers, and one ceramic filter. Even with this the Panasonic RF-2200, and RF-2600 run rings around it, in both sensitivity and selectivity. The RF-2200 has 3 ceramic filters. The RF-2600 has only 2 ceramic filters and a non-defeatable APC section, but is still a much superior FM DX machine. The Superadio/Cassette does have switchable APC and is fine for general listening, even if it lacks the guts for FM DXing.

OVERALL

There is now an updated model out now, the 3-5280C. I don't know what changes have been made. The Superadio/Cassette is a good performer and definitely has a place in the BOB DXers equipment lineup. Many DXers use a portable as their main receiver. This receiver has many qualities to recommend it. Now if we could get the same performance from a downsized model. The Panasonic RX-1820 is a very compact AM/FM cassette recorder with an RF stage on the PCB! Maybe this could be one.



WWBZ 1360

Daytimers Plan March On Washington

Missouri FM Pirate Fined \$750

Claiming they now have a "rare opportunity to be heard," daytime-only broadcasters plan to converge on Washington March 22 and 23 to protest their case at the FCC and in Congress for extended operating hours.

The "march" was announced by Daytime Broadcasters Association President Jim Wychor of KWOA/Worthington, MN. "We want to provide regular, extended service," said Wychor, "but we operate under outdated regulations which handicap us. We've said all this before, but I believe we will be heard this year."

DBA wants the FCC to approve Docket 82-338, a package of proposals to help daytimers, including extended hours for many stations. Wychor is inviting daytimers who don't belong to DBA to join in the Washington crusade.

Ricky Lee Henderson of Salem, MO has been fined \$750 by the FCC for operating an unlicensed FM station last November. Calling his station "KJ143," Henderson aired a music format and reportedly had even prepared a radio card to solicit advertising.

Henderson told FCC investigators he thought no station license was needed as long as his broadcast tower was under 2000 feet. But the FCC found his excuse unconvincing, especially since Henderson has broadcast experience, as well as First Class Radiotelephone and Amateur licenses.

The Commission's Field Operations Bureau reports that pirate stations are on the rise and promises an "extensive effort" to shut them down and impose substantial fines.

WIND RADIO 56

625 NORTH MICHIGAN AVENUE CHICAGO IL 60611

dial styles

- On the AM dial:
CHRY 640 - French variety
WFLY 1200 - religious
On the FM dial:
C-ROSE 88.7 - pop
C-101 91.3 - classical
WDRB 100.3 - educational
WDRB 102.3 - country
WDRB 104.3 - big band
WDRB 106.3 - pop
WDRB 108.3 - personality
WDRB 110.3 - Top 40
WDRB 112.3 - easy listening
WDRB 114.3 - urban prog.
WDRB 116.3 - rock
WDRB 118.3 - contempo
WDRB 120.3 - country
WDRB 122.3 - urban prog.



WHND AM56 HONEY RADIO MONROE, MICHIGAN



ANARC 1983

Washington Area DX Association (WADXA)
Association of North American Radio Clubs
806 Forest Glen
Silver Spring, Maryland 20901

NAME
ADDRESS

Date arriving in Washington:
Date leaving Washington:
Telephone/home & work

HOTEL ACCOMMODATION

Single room for one person (your room deposit is \$45.00).
I have arranged to share a room with the following person(s):
1. 2.
Your room deposit is \$22.50 if sharing with one person, \$17.00 if sharing with two persons; be sure each roommate sends a registration form, room deposit, and convention fee - this may be done separately or in the same envelope. Room cost for three people is \$51.00, \$6.00 for an additional cot in the same room.
I would like the convention committee to arrange roommates for me.
Your room deposit is \$45.00, although your nightly room cost may be lower; in that case, the remainder will be credited to your second night's stay. We anticipate no difficulties in finding roommates; however, no guarantees can be made.
I require special accommodations (such as a suite or extra room, etc.).
In this case, please make your own reservations with the Rosslyn Westpark Hotel, telephone toll-free 800-528-1234. Be sure to mention to the hotel you are attending the WADXA/ANARC 1983 Convention. Send no room deposit to WADXA, but do send this registration form and convention fee(s).
I am attending the convention but not staying at the Rosslyn Westpark Hotel.
Send registration form and convention fee only.

CONVENTION FEE: \$30.00 per person, to be sent with this registration form and room deposit. The \$30.00 includes the Saturday evening banquet and all convention activities. Please ensure that you have filled in all parts of this form, and have enclosed your payment. Reserved hotel accommodations will be arranged on a first come, first served basis, so send in your registration form as early as possible to avoid disappointment. No refunds available after July 1. If you must change your hotel reservations--do not call Rosslyn Westpark--call WADXA at 301-593-4411.

See you at ANARC 1983!

Payment should be made by check or money order in U.S. funds, payable to WADXA/ANARC 1983 Convention. If you live outside the United States, use some form of international money order, available at your bank or post office.
Room deposit \$
Convention fee \$
TOTAL \$

SPECIAL NOTICE: All registrations postmarked by June 1 will be placed in a drawing for a record set of Canadian music (donated to this convention by RCI) and awarded to lucky registrants at the convention. So get this form and money in to WADXA pronto!

How did you first hear about the convention?

What DX clubs are you a member of?

FROM RADIO NEDERLAND:

They have produced a book and cassette about computer codes and programs. The book is aimed at producing a standard to enable program exchange between different brands of home computers. The book consists of an outline of the code, details of modifications that have to be made to certain computers, plus listing of the "translation" programs. The cassette contains all 14 "translation" programs, ready for loading into each brand, plus example programs in BASICODE to enable you to test the system. Translation codes have been produced so far for the following computers: Acorn Aton, Apple II, Cosmos, DAI, Exidy Sorcerer, OSI Challenger, PET/CBH, Philips P-2000, TRS-80/ Video Game and S.W. Technical Products Computer. An outline of the Basicode is included in the book to enable users to develop translation programs for other brands of computers, but that is up to the user. The package is called "Hobbyscoop Information Package".

The package is available for: US & Canada 30 Dutch Guilders(f); Europe £20 Australia & New Zealand £15

Send international Money Order made out in Dutch Guilders to: BASICODE, Administratie Algemeen Secretariaat, NOS, P.O.Box 10, 1200 JB Hilversum, The Netherlands

This info via Dan Bartek, Jr. who advises that this program is being updated. I've got a copy of the complete letter here, at HQ, if you want more info, write to HQ, enclose an SASE or a stamp please or you can write to Radio Nederlands.

ENFIELD, CONNECTICUT NRC

50th ANNIVERSARY CONVENTION



LABOR DAY WEEKEND

Sept. 2nd thru 5th

PLEASE COME TO THIS GALA EVENT AND CELEBRATE YOUR CLUB'S 50TH ANNIVERSARY. ENFIELD CONNECTICUT IS JUST NORTH OF HARTFORD ON INTERSTATE I-91 AND THE HOTEL IS A STONE'S THROW FROM THE MASSACHUSETTS BORDER.

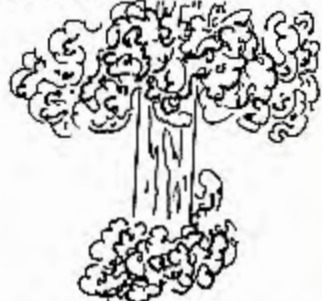
AUCTION ITEMS SHOULD BE SENT TO: NRC CONVENTION HEADQUARTERS
P.O. BOX 118
POQUONOCK, CT 06064

ROOM RATES (*): SINGLE: \$45.00 TRIPLE: \$55.00 PLUS 7% STATE TAX
DOUBLE: \$50.00 QUAD: \$60.00

* AN ADVANCE ROOM DEPOSIT IS REQUIRED BY THE HOTEL. REGISTRATION INFORMATION WILL BE INCLUDED IN THE JUNE ISSUE OF DX NEWS.

THE NRC S.W.A.T. TEAM ADVISES NRC MEMBERS THAT THEY WILL NOT BE SUPPLYING PROTECTIVE RADIATION SUITS. THE SUITS WILL BE THE RESPONSIBILITY OF EACH INDIVIDUAL MEMBER ATTENDING THE CONVENTION.

THIS CONVENTION SPONSORED BY YOUR NRC S.W.A.T. TEAM:
BUFFALO K. FOONMAN - PRESIDENT AND PILOT
ALPHONSO BEDOYA - MUNITIONS OFFICER
ELK - LOGISTICS
THE WIZARD - RADIATION CONTROL AND BEER CHASER



MUSINGS

PAUL SWEARINGEN
21629 COTTONWOOD AVE.
RIVERSIDE, CA 92508

The opinions expressed in this column are those of the individual members, and do not necessarily reflect those of the editors, publishers or NRC.

BILL FRATHER - Box 62 - Tryon, NC 28782 (pm 2-24; rec'd 2-28)
Haven't been DX'ing as much in the last few weeks. I have had no much powerline and transformer noise! Well, all the books are back, and some former powerhouses are beginning, should I say, are continuing to sweat. 910-WORD had their lowest book in their history; 1440-WQVL (remember WQOK) also at the bottom of the barrel with their all-news and talk. Good Muse a few weeks ago from the Charlotte situation, especially 1240 WIST which has been in the red for several years. I was in Margenton, NC the other day, and stopped in to see the folks at 1430-WMNC -92.1-WCXX. They have a very nice station with an automated Top-40 and automated a/w AM. Very tight night pattern on AM with four sticks! Sunset activity on 2-23 5:30 pm EST, 850 "Solid Gold" WYDE, Birmingham booming in over WIVK; 940-WMAZ Macon rolling in at 5:32 with news; 1000-WTAK Huntville in at 5:35 calling themselves "TAK 10"; 1070-WAPI Birmingham in with news at 5:35 completely eliminating 50,000 w WHYZ just 15 to 20 miles down the road. Well, that's it for a briefcheckin. More to come!

TIM BRAUN - 3908 Sleepy Hollow Road - Falls Church, VA 22041 (pm 2-24; rec'd 2-28)
Thank the good Lord for George Washington's birthday being where it is! Because of the holiday, I was able to get a rare MM session in. At midnight, 2-21, I was listening to the Bullets-Portland game. During a time-out, I quickly turned down to 1450 to hear WOL Sign off. After the anthem, I heard someone else signing off mentioning WMMJ-FM and then "This is WUSA, Brattleboro, good night." So my first Vermont for state #35. But I wasn't done; oh no, at 1:29, I was trying to log WPAD-1560 when suddenly I heard a deep-voiced man say, "This is KAAA, Aberdeen, South Dakota on the air for equipment test only." I was able to get off the floor quick enough to call Bill Townshend. It was both of our first South Dakotas and my state #36. A verie try has been gone, and they dare better send something back, hi. They only had one other ID, at 1:36, with open carrier the rest of the time. A few other notes: WJOK looks like it will have a regular MM SP. By the way, a first for me on AM: An ad on WJOK "When you need a break from the lumps, come on up to big-band 1390, WEAM". It sounded sorta wierd at the time. Also on 2-21, Satellite News Channel back on 1620 at 1:21 am. It's audible all day. I was surprised to see that Vince Pinto heard it; I thought it was more local. One last note: WGMU-560 noted on the air from George Mason U. Power is 10 wats. 73'es.

KARL JETER - 3590 C Clubhouse Circle East - Decatur, GA 30032 (pm 2-25; rec'd 2-28) Hello once again! First, a run-down of recent DX from around here: 2-24 this pm, a log taken on WJNJ-1600 6:00 pm into mx, big band mx, and s/off at 6:15. I was amazed that anything could penetrate the solid wall of WEUP/WXVI. Earlier in the day, an unu KDFN-1500 was noted topping with c/w mx, and "Current Country" promos at 7:09 am. Moving backwards, on 2-20, another rare 1600 catch, this being WHVL which made it thru (barely) with a 6:16 s/off. Nicest catch of the month had to be the WHIM-1110 test on 2-20 am. With WBT off and very little KPAB interference, WHIM was a cinch 2:00-2:33 am with VID, cw ID's, and Christmas mx, until 2:30 when tones were noted. That same am, several Canadians noted for rare appearance at 3:04 am, CJKM-1090 noted with a dual CJKM/CPCA-PM ID and earlier at 2:53 am, CJBK made in in with r/r, wx, and Honda ad. (Both are unu.) Back on 2-3 I was feeling adventurous and decided to null local WQXI-790; at 7:09 am, WORA-790 was heard with GA Net Sports and c/w followed by WETS-790 coming in later 7:18 pm. Not shabby, to say the least with a local on! Since my last Muse, a few more veries have made it in, and as indicated, some with the help of followups: WBLG-1360 v/l after I/up; ditto for KLLA-1570; WETS-790 v/l for reception went, above, and finally, WABD-1370 super-nice v/l. Almost forgot a v/l from KMAR-1570, as well. The WABD vorie was a real surprise, as the v/s'er is a bumper sticker collector, and he sent me a bunch of his station's and other stations' stickers with the v/l! So, I sent a few that I had, as well as some other collectors that I know of in the DX clubs. If that wasn't enough, the v/l from KMAR was from a staffer who inquired all about DX, equipment, etc. In both of these cases, I rolled to the v/s'ers and while I was at it, mentioned the possibility of a test! Maybe I'll luck out, hi! Therez it for now ... 73'es.

G. HARLEY DELEDRERE - P. O. Box 10 - Hendricks, WV 26271-0010 (pm 2-25; rec'd 2-28)
DX'ing is taking a back seat here. I've been working at Bayard twelve hours per day, and I've even been stuck working Saturdays. (Story of my life! -pls) I was supposed to have worked last Sunday too, but I had to refuse the job. The Lord must come first, and it just isn't worth losing one's soul to the devil for a buck. Then, too, a lot of folks here have been sick, and I've been visiting in the hospital three and four times per week. Anyway, I've been extremely busy. This last weekend I heard the DX tests from WHIM-1110 and WLEW-990. WHIM's music went along with the mountains of snow that we had. I didn't hear WMDG-1540. WPTR and KXEL kept me company on 1540 this morning.

(DeLeurere, continued) I hope that WLMD-900 will make a better show. It ought to make it here, because oftentimes I hear it on RS. (P. S.: It didn't. I heard only CHML.) Veries are still coming through the mail. Since my last report I've added WAMP-940, CKOT-1510, WKZK-1600, and WMLX-1230. WMLX represents the third call I've confirmed for Cincinnati on 1230. I also have WCFO and WUBE. Why do stations change their call letters? (Vanity -pls) I forgot to mention that the Caribbean Beacon's QSL represents the seventeenth country (Anguilla) I have confirmed. I've heard more, but I just never confirmed them. My wife and I invested in a no-no. We bought some shares of stock of the Grampian Television P. L. C. of Aberdeen, Scotland. Aberdeen was my home for awhile in the fifties. I was just a schoolboy then, and there was no Grampian Television. Well, that's all for now.

JEFF KADET - Box 90 - Hockville, MD 20850 (pm 2-25; rec'd 2-28)
2-20: WHIM-1110 test in extremely well o/weak KPAB. Unn WATS-960 ET/TT/OC noted @ 4:17 am. MM 2-22: WLVL-1340 RS @ 12:30 am under local WYCB's AN OC, followed by WVFC-1530 f/a-TT under WCKY from 12:45 am-1 am with sinking ID's every two minutes. Next new one was WLCV-1500 s/off noted @ 1 am right after WTOP went off. I've never counted call sign changes as new stations heard before, but am now keeping a 'deleted' call sign list, so chalk this one up as #1, and local WJCK as #2 (ex-WBMC). WIZE-1340 in and out most of the am. WLKW-990 test in better than expected under WRC splatter. Local WOL-1450 was off until 6:38 am (they were AN test MM). Unn WBIC-1380 noted with ET/TT @ 4:55 am. 2-23: WHYW-1550 Braddock, PA ET/TT and ID @ 1:30 am for a new one. The Satellite News station has been heard for the past week right on 1622.0. I hear it's in Wash, D. C. but I live one mile from the MD/DC border and it's not particularly strong and often has deep fading between S3-7. YVNH-1090 Radio Mundial Mil is on top and in the clear @ 7 pm. 2-23: WKSW-1520 noted off from 2:10 am to 4:04 am but too much WTOP slop to ID anything else except for a jumble of weak ES and SS. Unn WFLJ-1070 ET/M with 50,000 watts noted @ 2:28 am. WXIR-1540, semi-local, s/off 5:45 pm for new call (x-WEMD), and in the eve. 2 new ones on 1530; WBBS RS and dominant on freq then WBCW s/off @ 6 pm. 2-24: Satellite News Station not noticed this am for the first time in over a week. Local WMDO-1540 test noted @ 2:00 am (New deleted call, x-WDON). ET/TT on 850 between 2:15 am-3 am was WIVK. 2-25: WIVK testing again, 2 am on. Radio Reloj noted on 940.0 this am, dominant on the freq but don't know which one it was. Weakish TT'er under Radio Progreso, one hour after scheduled local WLMD-900 test, @ 3 am, but no ID heard.

BILL ANDRES - 1159 Montauk Highway - Copiague NY 11726 (pm 2-24; rec'd 2-28)
Many thanks to the tireless efforts of DS, informing me of the switch from 680 to 990 of WNYH. Also, thanks to pls, who expressed my need for an updated NRC log in less, uh, pragmatic terms, hi. I just figured with an old log, there'd be fewer stations to have to try for, like an old stamp album. MM 2-21 and -presto- no more line noise! Con Ed came by, so I'm told, one afternoon, and did their usual routine, tear-gassed a house, took prisoners, etc., and the line noise was gone! I spent much of the morning just marvelling at the frequencies - many of them providing 360 degrees of the loop without that awful noise. Actually DX'ed a bit. Probably Morse Code ID's on 750 (1:21-1:35 and beyond) with WSB and an SS, and also on 790 (2:28 until 2:45, pack-up time). WJAS-1320 (they've gone full circle!) with quiet weather forecast and ID at 1:53. Coupla loud TA-types on the high end of the dial, with Nice and Switzerland best. 73.

RICHARD CLARK - Apartado 273 - La Vega - Dominican Republic (pm 2-28; rec'd 3-2)
Hi everyone, it's been quite some time since my last report. I've been DX'ing satellite TV most of the time. I was the first private individual to start satellite in my own home in 1978! Today, it's quite popular to see satellite TV in Santo Domingo. However, I do go down to BCB once in a great while to see if anything is new and report it here. Radio La Vega is now 910, ex-1430, and Radio San Francisco, ex-Radio Tiempo, now 1470, is just about all that is now. For now, 73's.

BILL PRATHER - Box 62 - Tryon, NC 28782 (pm 2-28, rec'd 3-2)
Well, hello again! Very good day for high noon DX, or most all day. Extremely cloudy with slight mist and very low powerline noise. At 12 noon EST, 540-WRJC, VA in very good; 550-WGGA, GA, sounds like it's in Spartanburg; 620-WRJC, TN much louder than usual; 630-WNPO, GA, sounded like they had increased their power, almost covering 630-WIRC, NC; 710-WZOO, NC, much louder than normal, nearly eliminating WOR; 840-WHAS, 880-WCBS, 890-WLS, all in static free! SS activity the same day 2-24 reveals: 810-WQIZ, St. George, SC very loud from 5:30 pm till sign-off at 6:00 pm EST; also 970-WVOP, Vidalia, GA; 1060-WKMG Tallapoosa, GA in loud at 6:05 pm (First time for that one) How would you like to work there, Tallapoosa, hi! (Some people would like to work anywhere, Bill! -pls) 1080-WFTV Kissimmee, FL, in at 6:10 with sign-off. What happened to winter? It's been in the 60's here in the Carolinas. I guess the DX season will end soon. Good point made in Musings several weeks ago about 1440-WGVL (WQOK) Greenville, SC, where John Foster and I used to work. Maybe since Myrtle Beach gave up the GQK letters, GVL will go back to them, especially since they can't even achieve single digit numbers in the book. Greenville-Spartanburg-Anderson is, for the most part, without an up-tempo CHR or Top-40 AM outlet! Happy DX'ing.

ERNEST COOPER - 5 Anthony Street - Provincetown, MA 02657 (pm 3-1; rec'd 3-4)
One verie in, a fine v/1 with CM from WYKX-940 test, and a thank-you card has been sent to the v/s, Michael Sink, for his thoughtfulness. More of us verie-collectors might consider doing this when exceptionally nice veries are received, hint, hint! To Bill Andres, WDTW-NH is on 900 kc/s and always has been; Nashua on 1590 is WSMN. You need a new NRC Log - and a new WHTH! I hope Tony Fitzherbert sends his v/s in to Wayne Heinen; I'm anxious to see who signs for WYKX! Harley DeLeurere asked addresses for CJSB and WFTH, and this is what I have: CJSB: 1504 Marvidale Road, Ottawa K2E 6Z5 and WFTH: Box 11499, Richmond 23221. Pete Kemp's info is interesting, but frequencies of the stations would make that info a lot more useful. I, for one, miss the headings over each Musing. I initiated this practice when one day it suddenly occurred to me that in every publication I ever read, this is the custom with "Letters to the Editor" from the New York Times to the Cape Cod Times and the Advocate, as well as in magazines which feature such columns. Will we be permitted to include our own headings if we so desire? (Of course; see p. 22, Feb. 21 DXN -pls) I'd like to acknowledge phone calls from these NRC'ers in recent weeks: Craig Healy, Ray Arruda, Paul Mount, Stan Moses, Vince Pinto, and Jeff Ross. I hope I didn't forget anybody; not relying on my once trusty, now rusty, memory, I generally write down the names of any and all NRC callers, but sometimes I even forget to do that! DX Down the Week: Tues. 2-22: WHYW-1550 on ET with what seemingly was their FM RS of music @ 1:45-2 am; reported. Thur. 2-24: WMDO-1540 test pushed thru big bad booning WPTX for bits and pieces between 1 and 1:30 am; I called 'em, but they still wanted a letter report for their files! Later, a loud carrier was noted atop WRVA-1140. Fri. 2-25: No sign of WLMD-900 test; 900 was all CHML, CKTS, and XEW here. Sat. 2-26: WOL took over 1450 this AM here and has each morning since (except MM 2-28). Who has L. King on 1390? Sun. 2-27: Nothing exciting; who carries "Best of King" on 1550? MM 2-28: WFTH-1590 in with super signal on one of their weird-music tests to 1:07 am s/off when the guy said to conclude, "...and now I'm goin' home and go to bed - good night!" With local HRRK-680 off, 680 belong to CIYQ, relaying CIYQ-680 and using only the latter's ID's, with Dr. Rubin breaking in on him from time to time, WPTX?? And so it goes for another week. Forward, March!

STEVE FRANCIS - 1620 Lodge Street - Alcoa, TN 37701 (pm 3-1; rec'd 3-4)
The DX just keeps on comin' this season with 41 newies since Halloween. 2-3: KSTV-1320 MO fair 6:45 pm with mention of REL format and s/off. MM 2-7: Long-wanted WKZK-1600 SC fair with 6:00 s/on by Brother Al, "Sunshine 16" plugs and into Black Gospel. 2-10: CMTY-1320 atop 7 pm with familiar Cuban harp-richard IS (sounds like "You Gughta Be in Pictures") and monotone talk. MM 2-14: Unn WSMW-1590 test noted in passing around 1:10 with TT and code ID's. 2-17: The Brand-new WHHQ-1130 SC fair at 7:00 with s/on and local news, calls self "The Q." 2-19: WBBB-1490 AL poor but there at 1:02 s/off. SM 2-20 1:00-1:25, unn WHIM test in like a rock - thanks, Craig! This was my notion of the perfect DX test: unique music; short, easy-to-copy voice ID's and call letters in Morse between each record. MM 2-21: Local WNOX KO'd any chance of the WLKW-990 test; hope the rest of you fared better. 2-24: Unn WMDO-1540 test heard w/o KXEL 12:10-12:25 with bluesy music and one ID. A sentimental favorite here - they were my first Maryland, bagged on an ET way back in January 1970. 2-25: Unn WLMD-900 test unheard 1:00-1:10; WOBL-1320 OH fair 6:05-6:07 am with AP news, weather, and c&w. 2-26: 7 am, WKBY-1080 VA fair with s/on. Don't forget the pre-6am s/one in April from many Northeastern and Mid-Atlantic daytimers.

TONY CONNATSER - Route 9, Box 78 - Sevierville, TN 37862 (pm 3-2; rec'd 3-5)
Greetings, everyone. Not that much going on this week, but I thought I'd check back in with what I've got. Was glad to finally see a few CFC tests lined up. My batting average for last week's tests stands at .500. Sun. 2-20 WHIM-1110 heard through heavy WNE slop and some interference from KPAB. New state for me here, and you can be sure I sent Craig Healy a report! After staying up until 3 am Sunday morning, I decided to not try for the WLKW-990 test Mon. 2-21. Per a nice letter from Dave Schmidt, WNOX was on the air as usual during the test, so I probably wouldn't have heard them anyway. On to Thurs. 2-24 and the test from WMDO-1540; I comped out on the frequency from midnight until 2 am and finally definitely did hear them from 1:00-1:15 am with a couple of ID's and 4 Elvis Presley records. I also caught a couple of other ID's, but nothing else I could report. KXEL was giving this guy fits with preaching and REL ex. If that wasn't bad enough, KXEL tracked a couple of my favorite REL albums during the test, so I was actually trying to listen to two stations at once! Finally 2 hours on 900 Fri. 2-25 noted zilch. If WLMD was on, I didn't hear them. I did note a couple of stations in SS, and a third in E^w was heard a couple of times, but no older and equipment test ID's were noted. Oh, well, two out of four isn't bad. A couple of other stations merit mentioning in this Musie. KKOW-860 Pittsburg KS was heard here on 2-22 at 7:00 pm with country music, ID, into CBS news at 7. Down to #59, I heard an ad cluster in SS which I felt was from a US station. After a couple of songs also in SS, I heard the s/off of KEYH-TX. This is my first definite logging of a US station operating in SS. Now that March has come, maybe SS DX conditions will improve. Like several other members, I really look forward

(Connatser, continued) to SSS; it's my favorite time to DX. One veric received since last Muse; nice v/l with rate card/CM/station info, and a couple of news-paper reprints from WKYK-940 NC for 1-31 DX test. CE mentioned that all letters received had some definitely verifiable information in them. He mentioned getting letters from FL, TX, NE, and several from Canada. All in all, a very successful test. Noticed in the latest Varic Game that Bill Preater got a v/l from WALT-910 MS. Nice going, Bill. Guess I'll have to write the v/s and see if my fourth report will get any results. Till next week, 73's and best DX.

BEN DANGERFIELD - 2-2 Governor's Drive - Wallingford, PA 19086 (pm 3-2; rec'd 3-5) This is to write about my experiences the past weekend (Feb. 26 and Feb. 27) with some of the most remarkable daytime skywave ex I have encountered in almost my 50+ years of DX'ing. You will of course recognize me as primarily an IDXD'or, but down through the years I have enjoyed tuning the dials in the day-time. But on those dates - mostly between 12:00 noon and 2:00 pm - about 4 to 6 hours before sunset here in the east - these are some of the stations I heard. On both days, the following were at semi-local strength: WMAQ-670; WLV-700; WGH-720; WJH-760; WBBM-790; WLS-800; KDKA-1020; WBZ-1030; WWME-1100; WJJD-1160; and WQOW-1190. And at very fine but lesser signals: WTAG-580; WEEI-590; WILQ-640; WSH-650; WPTF-690; WAIT and WOSU-820 (either at times at armchair level); WHAS-840; WCPL-1000; WERY-1080; KMOX-1120; WJAR-1220; and WKY-1530. I could hardly believe the strength of such as WHEO, WOSU, and WAIT. At midday, I forgot, WHO-1040. And some, like WBRW-1170, usually only so-so, which was almost on a par with local WDEL. You must realize, of course, that most of these stations are from 400 to 800 miles distant. Could it be that the full moon of Feb. 26/27 was responsible? (My students were a little wild those days, hi -pls) As far as night-time reception is concerned, it hasn't been the greatest this season, except possibly for the evening of Jan. 8 when KSL was overpowering WJJD around midnight. The only interesting period of foreign reception was on Nov. 21, 1982, when I enjoyed some strong signals from Morocco-594, 702, and 774, plus the Canary Islands-621; Spain-585, 624, 738, 774, and 854; Rennes-711, and of course, Algiers-891, and Portugal-783, 756, and 666. Plus a good one on 837 that could have been Las Palmas. And others. I think the nicest development on the BCBC, however, has been the re-discovery of big bands and the music of the 30's, 40's and the 50's. Give lots of credit to stations such as WFEN, here in Philadelphia; WNEW, WJJD, WAIT, WOSU, WHEO, WNYC, WBRW, WBUO, WEAH, WMAL, and many more, I know. They finally woke up to the fact that there are some of us in the radio audience who want to listen to "our kind of music".

JEFF KADET - Box 90 - Rockville, MD 20850 (pm 3-3; rec'd 3-7) MN 2-28: Local WMAL-630 ET/PT/OC 12:15 am-4am. Unn WJIK-1580 ET/M with ID @ 12:18 am. Unn WFMJ-1390 f/c-TT 1:30-2 am. CHTN-1190 noted on RS from 1:45-2:10 am; weak but had channel all to itself. Local WOL-1450 off AN again. 3-1: KPNW-1200, finally, in well at times and in the clear from 6:34-7:29 pm a/off. Soft inspirational music, mentions to tune to 8 other FM stns in ND and MN at a/off. 3-2 had Radio Reloj stns on 940, 1180, and 1280 @ 2:30 am. Heavy aurore @ 5 am had interesting unID's on 1010, 1011.0, and 1015.0. In the eve, WKHQ-1000 in briefly @ 6 pm. Varics: WHIM, WVPC, WRVW.

JOHN H. ROSE II - 26015 Thomas - Warren MI 48091 (pm 3-4; rec'd 3-7) Well, Paul, here's hoping your home is in Riverside and not in the river. (I won't tell you about getting stranded in Lake Alessandro, better known as Alessandro Blvd. -pls) All the soothsayers were wrong. A quake will not make Oklahoma City our new west coast deepwater port. 80 days and nights of heavy rain and surf will wash the Rockies and environs away! But predicted highs near 70?? In February?? In Michigan?? I'll take it! Got an early start on the yard last month and I'll probably do more this weekend. (I ate radishes and buttercrunch lettuce from my garden tonight, @burp -pls) With luck the 129X might even get finished so I can taste it and the new MPF 955 Antenna tuner I bought. (Do I get the pick of the litter, hi? -pls) Got the good price at a hamfest and I know what my chances of making one of these things is. Seems to work okay with the DX-300. These two rx's surely represent the extremes of almost anything from user friendliness to complexity. Switch that knob and twist that dial on the Hammerhead and that is what you're tuned to, plus or minus a few Hz. The solid state PLL wonder Buggy reads 2.5 mHz and you're really tuned to the local at 1.5 mHz. If I ever get rich again, or at least start making enough to have to pay taxes, I'm going to ...

THE NEXT 500 WILL BE MORE DIFFICULT THAN THE FIRST 500*

TONY FITZHERBERT - 356 Jackman Ave. - Fairfield, CT 06432 (pm 3-3; rec'd 3-7) Hi. Conditions have been, in a word, bad, for DX. One goodie logged in the last week - on 2-26, at 6:15 pm, WSNR-1490, Sandersville, GA popped atop the pack with wx, a 1490-Radio WSNR ID, into Rock xm, and slid back into the heap. Varic #500 arrived today - a v/l from WAJE-1580 for a report for its 2-11-82 storm emergency broadcast during the blizzard. Varics - in for an 11-81 report from CJBC-860, a v/q, forwarded from EA to here. A v/q from CHB-860, a v/l from WSSL-1400, a v/l from WTR-1520, a nice v/l from WM3A 1520, a v/l from

(Fitzherbert, continued) WHVW-950, a v/q and cm from CJRP-1060, a v/l and cm from WOOJ-1420, a v/l from WARV-1590, a v/l from WALK-1370 for a report from their 3-12 early am storm emergency broadcast, a varic typed on the back of a BS from WMAP-1320, a v/l from WKHQ-1000, and a v/l from WKVA-1550 for report taken from their storm emergency broadcast - third try produced this varic. As cx have gone down, reports have not been going down. Metro North's train crews are threatening to strike on Monday - if so, I will go on "Track Patrol" riding trains between New Haven and New York - sounds like fun. All for now no more DX to report; get the station profiles in! By the way, got a nice letter from WESX thanking us for their profile! (Excellent public relations, Tony. A great idea, and most interesting reading -pls) 73's.

PAUL SWEARINGEN - 21629 Cottonwood Ave. - Riverside, CA 92508 3-8 As I type this, I am doing double duty by babysitting my angelic blue-eyed blond nephew and niece, ages 6 and 4, who are staying out of trouble by jumping on a bean bag, coloring, reading my science fiction (1?), and ... Oop! Too quiet! So we'll blame any typos in this column on them, hi. A belated thanks to Greg and Lynn Hardison, Michael Wood, John Clements, and Don Erickson, for participating in a DX OTG in my basement Feb. 5, and the latter four for repeating March 5. And a good time was had by all ... Anyone is welcome to show up for them; we first eat Thai food at Gordo's on Alessandro, and then chew the fat until about midnight. It looks as if we'll be having repeats on the first Saturday of each month, so if you're in the vicinity, call (714) 653-6908 for directions and drop in. I live in the second house on the right, on Cottonwood, from I-15E; we usually shoot for 7 pm to gather. Column support is a little slim this week; let's make March go out like an overstuffed lion, not a skinny lamb, hi! Next deadline for Musings is April 4, as we move into the bi-weekly issues, for April 18; April 25 for May 9; May 30 for June 13.

More Time for Daytimers Task Force

"LOCAL" Community Radio Broadcast Service Needs "Extended" Hours For Daytimers

DRA Washington Office:

1100 17th Street, N.W.
Washington, D.C. 20036
Phone: (202) 857-0220
Ext. 17-5445, Tele. Center

(Suggested SIGN-OFF announcement for Daytime-only stations to broadcast just before sunset to inform the listeners of the unjust practice)

Sundown is sign off time for KAOL 1430 on your AM broadcast dial. Why must KAOL listeners be deprived of a local AM radio broadcast service at night? Basically because the Federal Communications Commission allocated the AM radio spectrum using rules adopted by the government back in the 1930's. Of course radio receivers are much better now, of course transmitting equipment is more sophisticated. Over one half of the 4,500 AM radio stations in the USA are daytimers. The FCC is currently considering making changes in the rules to allow more daytime stations additional broadcast hours.

You can have input in the process by writing to your U.S. Senators and your U.S. Representatives in Congress telling them you would like KAOL to be on the air after sunset.

During this month KAOL is forced to sign off at this early hour and cannot return to the air until 6 AM tomorrow morning.

We are working for changes and can use your help. If you are one of the 46 million Americans living in a community like Carrington without local AM radio service at night, write to your two U.S. Senators and your U.S. Representatives in Congress and tell them you want the FCC to change their antiquated rules governing AM radio stations, so KAOL will not be forced off the air at sundown, tonight write to your Congressman. He is Tom Coleman, U.S. House Office Building, Washington, D.C. zip code is 20515. To your two U.S. Senators - address it to Senator Danforth and Faughton U.S. Senate Office Building, Washington, D.C. 20510. Don't put it off - write tonight.

NOTE** (if you have fm) Thank goodness we have FM which signs on every day at _____ and remains on the air until _____ p.m. It is _____ on your FM Dial.

As (AM Call Letters) leaves the air - we invite you to switch to _____ FM for continued LOCAL radio broadcasting service.



DAYTIME BROADCASTERS ASSOCIATION

P.O. BOX 592 - WORTHINGTON, MINNESOTA 56187

JIM WYCHOR, CHAIRMAN

VIA BILL PRATER