



DX NEWS

*the magazine of the
National Radio Club*

— SINCE 1933 —

Volume 46, Number 19 Monday, March 5, 1979.

STATIC FROM HQ

For once it's NOT snowing as we write this (but it is supposed to about 4" worth by late tonight and it did sleet this morning if that counts!) In the DX business, we have had several comments about our editorial about FCC rulemaking about the clears--we have in hand a nice note from Richard Eckman of Philadelphia who says "Just a brief note to say how pleased I was on the LPC taking an active stand on FCC proposals. This hobby will go down the drain fast if these proposals are implemented..." We also have a note from Bill Lackey who says that he goes along with our opinion on the matter but he comments that not all club members might agree. He suggests that we as a club take a stand on this issue..while we wish this were possible, we at LPC feel that it is better that NRC not take a stand as a club, but instead we urge individual action in the form of letters to the FCC, congressmen, etc. This is not to say the club has no opinion, but feelings are that individual letters have more weight and are better overall in such an issue. In another matter we have a note from Glenn Hauser who suggests that we occasionally run the schedules of stations, especially non-commercial public stations. He sent us one from WOI we ran several weeks back, and since yours truly is in public radio, as is Glenn, I can agree we should do this with as few public stations are on BCB--if you have one in your area, how about hitting them up for such materials and sending them to HQ for filler use!

Jed.

CPC TESTS

Times are Eastern Local.

March 19 WKNX-1210, Saginaw, Mich. Test will include rock music (!) and IDs. Monday Power is 10 Kw. Time of test either Wayne forgot to give us or we lost here somewhere (help!!) Veries to: Randall E. Birdo, WKNX, 5200 State St. , Saginaw, 48603. Calls (prepaid) at 517/799-1000. Arranged: Wayne Heinen.

March 26 KORE-1050, Springfield, Ore. 0400-0500. 1 Kw, non-directional. Will use tones & IDs. Prepaid calls to 503/746-1631. Reports go to Steve Barton, CE, KORE, Box 296, Springfield, Ore. 97477. Arranged: Pete Nolan, GWDXA, who will be at the mic for the test!

THEY JOINED

Welcome--please contribute soon. Local members and visitors to Louisville are always welcome to participate in our publishing sessions!

Anthony R. Fitzherbert, 116 Devon Road, Chalfont, Penna. 18914
 Kent Willis, 3210 Wellingmoor Avenue, Louisville, Kentucky 40218
 Dale Fisher, 2000 Westwood Hill, Apt. 5, Casper, Wyoming 82601

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② WE GET LETTERS

PAT HARTLAGE
NRC HEADQUARTERS
P.O. BOX 32125
LOUISVILLE, KY 40232

KNIX VERIES Elliott R. Straus reports a call from Cliff Reno promising to verify all correct reports sent to him at P.O. Box 26901, Tempe, AZ 85252. Cliff says he only gets to the station occasionally and station policy, for reports received at the station address, is to discard the reports. So send them direct to Cliff. Installation for the new 10 Kw night facility begins in April with on air date in Sept., tests to start in August.

THE SKYWAVE BULLETIN, a new publication which lists program highlights on leading U.S. clear-channel stations, is available from Gordon Byrd, Jr., 1410 West Sligh Avenue, Tampa, Florida 33604. Gordon says the bulletin comes out weekly and we suggest those interested write Gordon for subscription information and a sample copy.

COMPUTER-DRAWN GREAT CIRCLE MAPS, printed on 11x14 inch paper, showing all major political boundaries and geographical data, are available from Bill Johnston, N5KR, 1808 Pomona Drive, Las Cruces, NM 88001. These are custom-made to your location and when ordering, be sure to include your mailing address and the location for which the chart is to be made. If you live in a rural area or a town of less than 10,000 population, carefully describe your location with respect to other nearby towns so your latitude and longitude can be determined. \$5 postpaid via 3rd class worldwide, \$5.75 via 1st class to U.S., Canada and Mexico.

MISSING BULLETINS/PAGES Looks like we had a number of problems with #15 and #16. We'll be glad to replace missing or defective bulletins, but please let us know right away.

SENDING POSTAGE for a reply from HQ is not necessary, except for Member Certs mentioned below. We'll gladly reply using our "nickel". If you want an article to go to a station or company which provided assistance, just let us know. We'll handle it.

MEMBERSHIP CERTIFICATES are available upon request. They are a nice touch to dress up your shack. They are free, but for this one item we ask that you send return postage. If you don't mind it folded, a 15¢ stamp is enough; otherwise 28¢ in postage is needed. Requests to the above address please.

DX NEWS SCHEDULE It is hard to believe, but there are only 2 weekly issues left for this season. After March 12 and 19, DX NEWS will again appear on April 2 and 16, May 7 and 21, then on June 11, July 16 and August 13. Send articles and columns at least 10 days prior to the issue date please.

DAY PATTERN BOOK Jerry Robertson wrote saying that he received about a dozen or so responses to the proposal to do a Day Book. We're trying to gauge interest, if you didn't write to him already, please do so right away. His address is 6065 Gardner Line, Crosswell, MI 48422.

THANKS to Chris Hansen for putting a Mag Card typewriter at NRC's disposal for use in CPC work. Several members will be asked to participate in a CPC project over the summer months.

STILL NEEDED for club, not personal use, is a reasonably priced, used filing cabinet. We'll paint and do minor repairs. Please contact me with particulars.

HELP IS NEEDED to update those articles in our reprints series which were made obsolete by the new ITU plan, particularly articles dealing with the Pacific and Asia. In the last reprint list help is needed with F4, F6, F7, F8, F9 and F10. I'd also appreciate suggestions for improving the next edition of the reprints/publications list, which I'll start typing next week.

RENEWALS include George Herr, Edward Cummins, Robert Yentema, Mike McKenna, John Kromka, Michael Regnal, Chris Hambly, C.L. Barfield, Raymond Sahlbach, Larry Glass, Dan Sheedy, Robert Nowak, S.F. Plaisance, Nancy and Bill Hardy, Murray Bernstein, Larry Van Horn, George Bertonz, Glenn Jacobs, Ralph Washofsky, Ed Satterthwaite, Thomas H. Bull, Frank Babcock, John Rouse, Paul Beuhler, Doug McAbee, Henry Fain, Peter V. Taylor, Allen Luckey, Dr. James Snow, Harry Waldron, Armand DiFilippo, Mike Riordan, Peter Pompe, Edward Bates, Charles Mylod, Michael Albanese, Gregory Hardison, Randy Seaver, G. Harley De Leurere, Walt Breville, John Marx, James Fortner, Rob Kenney, Sidney Steele, Jerry Bond, Dave Fox and James Phillips.

BACKUPS for all positions in NRC are needed, including Publishing Committee. Persons wishing to serve their fellow members in promoting the hobby of DXing should contact LPC, indicating the position(s) which they are interested in. The pay is lousy*, hours are often long, frustrations are many but it can be rewarding in knowing your efforts go into making NRC the #1 medium-wave club in the world! *No pay, hi!

AM SWITCH

③
JOHN D. BOWKER
14 CANOE BROOK DRIVE
PRINCETON JUNCTION, NJ 08550

Once again, fellow NRC'ers, the FCC has been hard at work trying to keep ahead of the flood of applications they've been receiving during the past few months -- it is now becoming common practice to transfer application reviewers and engineers from the FM section of the Commission to the AM section, TV to either AM or FM and vice versa as their needs and backlogs become uneven. By way of proof, I filed an application for a modification to an FM station in New Jersey on November 28, 1978 and was advised that the initial review would occur in May, 1979 and I should expect no definitive action until November 1, 1979. So good things sometimes take longer.

Since our last AM SWITCH column, I've heard from a number of the members; BOB LAZAR BRIAN VERNON, PAUL MOUNT, BILL HARDY and BOB STEADMAN all wrote in with various tid-bits for DX NEWS. Several provided information about changes in station formats which has not been a regular feature of this column -- but rest assured, good correspondents, that your information has been forwarded to Headquarters for proper handling! So thanks for the cards and letters.

Now to business:

I. STATION ADDITIONS OR CHANGES NOW IN EFFECT:

Changes in call signs of existing stations:

540 - KDLT - Delta, Utah is now KNAK
1430 - WWEL - Medford, Mass is now WXKS

New stations now on the air:

1000 - KHAM - Horseshoe Bend, Arkansas
1190 - KDAO - Marshalltown, Iowa

Earlier authorized changes now actually being used:

770 - KTWG - Agana, Guam is now operating on 800 kHz with 10,000/10,000 w.(non-D)*
1060 - WKNG - Tallapoosa, GA is now operating with 5000 w. daytime only.(non-D)
1190 - WHHL - Pine Castle-Sky Lake, FL is now using 1000 w. daytime only.(non-D)
1230 - KGHS - International Falls, MN is now using 500/250 w.(non-D)
1300 - WBLG - Lexington, KY is now using 2500/1000 w. (DA-N)
1390 - WMCT - Mountain City, TN is now using 1000 daytime only (non-D)
1510 - KSTV - Stephenville, TX is now using 500 w. daytime only (non-D)
1580 - WANB - Waynesburg, PA is now using 1000 w. daytime only (non-D)
1090 - WISS - Berlin, WI is now using 500/500 (DA)

II. STATIONS AUTHORIZED TO CHANGE FACILITIES (May take awhile to get equipment):

560 - WFRB - Frostburg, MD will remain daytimer but increase to 5000 w. (non-D)
580 - WKSK - West Jefferson, NC will remain daytimer, increasing to 1000 w.(non-D)
690 - WADS - Ansonia, CT will remain daytimer but increase to 1000 w. (non-D)
790 - WTUG - Tuscaloosa, Ala stays daytimer but increases to 2500 w. (non-D)
980 - WCAP - Lowell, MA will start nights with 5000/5000 w. (DA-2)
980 - KDSJ - Deadwood, SD will increase to 5000/5000 (DA-N)
1050 - WSKE - Everett, PA stays daytimer but increases to 1000 w. (DA)
1080 - KYMO - East Prarie, MO stays daytimer but increases to 500 w.
1080 - WKGX - Lenoir, NC stays daytimer but increases to 5000 w. (non-D)
1140 - WKCM - Hawes, KY stays virtual daytimer increasing to 2500/1000CH (non-D)
1150 - WTMP - Tampa, FL will start nights with 5000/2500 (DA days only!)
1150 - WTMP - Tampa, FL will also start identifying as "Temple Terrace, FL".
1170 - KQKI - Bayou Vista, LA modified their CP to use 500 w. daytimes only.
1290 - KCUB - Tucson, AZ increasing power to 5000/1000 (DA Days only!)
1300 - WPNH - Plymouth, NH stays daytimer but increasing to 5000 w. (non-D)
1360 - WAZA - Bainbridge, GA will start nights with 5000/1000 (DA-N)
1440 - WWCC - Bremen, GA stays daytimer but increases to 2500 w.
1480 - KLMS - Lincoln, Neb. will go non-Directional with 2500/1000 w.
1540 - WJGA - Jackson, GA remains virtual daytimer with 2500/1000CH (non-D)
1580 - KNIX - Tempe, AZ will start nights with 50,000/10,000 (DA-N)
1590 - WNTS - Indianapolis, IN will start nights with 5000/500 (DA-2)
1600 - KXEW - Tucson, AZ will start nights using 1000/1000 (DA-2)

* See last AM SWITCH column for explanation of Directional Antenna symbols used by the FCC. The term "non-D" is my own meaning "non-Directional".

III. STATIONS REQUESTING A CHANGE IN CALL SIGN (May be in effect by publication date):

- 960 - KOOL - Phoenix, AZ wants KARZ (and I think that's a crime.)
- 1130 - WCAR - Detroit, Mich. wants WCXI (has everyone gone mad!?)
- 1150 - KKUZ - Burlington, IA wants KCPS (okay, that I'll buy.)
- 1240 - KHHA - Carlsbad, NM wants KAMQ (try saying KHHA fast!)
- 1260 - WFTW - Fort Walton Beach, FL wants WDIS (ah ha! More Disco music?)
- 1460 - WRKR - Racine, WI wants WEGS
- 1560 - KCAD - Abilene, TX wants KBER

IV. CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS (Watch for on-the-air dates):

- 970 - New - Spring City, TN will be 500 w. daytimer, non-Directional.
- 1190 - New - Bentonville, Ark changed its application to use 500 w. (daytimer).
- 1190 - New - Beloit, Kansas will be 2500 w. daytimer with directional antenna.
- 1420 - New - Renton, WA will be 500 w. daytimer with directional antenna.

V. CALL LETTERS ASSIGNED TO NEW STATIONS:

None this month although the new station in Pewaukee, WI wants WSKR; a decision on call letter applications by the FCC usually takes about 30-40 days.

VI. FCC HAS ACCEPTED THE FOLLOWING APPLICATIONS (Usually takes many months to approve):

- 1300 - New - Goldsboro, NC; no other details available at press time.

Since we have some room, here is a listing of some requested changes by stations that have been received recently by the FCC. A favorable decision on these will appear later in AM SWITCH but, for now, they are only printed for your interest:

- 740 - WRNR - Martinsburg, WV wants 500 w. for its daytime-only operations (DA).
- 830 - KBOA - Kennett, MO wants 10,000 w. for its daytime-only operations (DA)
- 800 - KQIN - Buriem, WA wants to move to 810 kHz and use 5000 w. days (non-D).
- 900 - WODY - Bassett, VA wants 1000 w. for its daytime-only operations (DA).
- 1000 - WVWI - Charlotte Amalie, V.I. wants to increase to 5000/1000 w.
- 1350 - WEGA - Vega Baja, P.R. wants 2500 w. for its daytime-only operations (DA).
- 1430 - WQVQ - Highland Park-Deerfield, IL wants full time with 1000/1000 w. (DA-2).
- 1510 - WYRU - Red Springs, NC wants to move to 1520 with 5000/1000CH (non-D).

and

- 830 - New - McGrath, Alaska wants a new station with 5000/1000 w. (non-D)

and

- 590 - KHAR - Anchorage, Alaska wants to move its transmitter to 0.27 miles northeast of intersection of Hill Top Drive/Klatt Road.
- 790 - KHUM - Eureka, CA wants to move its transmitter to Bay & 7th Street in Eureka and move its studios there to 6th and E Street.
- 1380 - KHVH - Honolulu, HI wants to move its transmitter to 331F Kamani Street and its studios to 1060 Bishop Street.
- 1400 - WBTH - Williamson, WV wants to move its transmitter to 0.4 miles east of the business district of Williamson.
- 1450 - KBKW - Aberdeen, WA wants to move its transmitter and studios to 1900 Westport Rd, 0.2 miles south of Aberdeen (outside of city!)
- 1480 - KJOE - Shreveport, LA wants to move its transmitter to near the intersection of Russell Rd and Nash Street near Shreveport.

and

- 1370 - WFEA - Manchester, NH wants to change its daytime directional pattern.

Now, the information presented immediately above is available each month -- and I'll be glad to print it if there seems to be interest. PLEASE let me know either directly or, better yet, send a letter to Ernie Cooper for his musings column and mention this kind of stuff in your letter. I'll read it! I promise!! Please understand that there may be a little delay between my typing this column and the next time I type a column and the time it takes for you to get a letter to Ernie and the time it takes to get it printed. I'd say that by late April, we'll all be together on this!

...and to Paul Mount, my source is the same as BROADCASTING Magazine's, only I get some information before they do...and some later! Thanks for your letter. And to Bill Hardy, whacha think of my new parenthetical explanations? Are they more realistic?? Your comments were much valued as I mentioned in my letter back to you.

John

II. Stations Authorized. Under 1140, town is Hawesville, KY...HQ

DOMESTIC DX DIGEST

RAY ARRUDA
47 BURT STREET
ACUSHNET, MASS. 02743
(617) 998-3958

Let's bring back poetry to DXN. I can't see what harm it could bring as long as it's DX related and in moderation. What ever happened to my long time hero Captain Glotz! Please use one side of paper and keep in mind that Quality comes before Quantity. Thank you!

DX TESTS

- WJWL - Heard by NZ. Not heard by MS.
- WJTH - Heard by PRM, ROSS, NZ. Tent. by ERC. Not heard by RA.
- WILI - Heard by BL.
- KQNK - Heard by MS, ROSS, PRM, NM. Tent. by ERC, DX. Not heard by RA.

FREQUENCY CHECKS

- 1st Mon. KMCL-1240 Heard for 1st time per list 0302-0314 poor w/TT/CIDs.
- 1st Tue. WPCE-1400 Tent. w/TT, no IDs 0033-0039. (ERC-MA) (NZ-NE)
- 1st Wed. WMFC-1360 w/DT, multiple VIDS per list 0328-0342. (NZ-NE)
- 2nd Mon. WTCB-990 Not heard. (NZ-NE)
- KXPO-1340 Not heard. (NZ)
- KLBK-1340 Not heard. (NZ)
- KPRK-1340 Not heard. (NZ)
- WGGO-1590 w/TT & 1 ID 0320-0323. (NZ)
- WIXY-1600 w/TT 0211 but no ID. (PRM-OH)
- WSGO-1440 Not heard. (PRM)
- KFGO-790 tent. w/TT 0231, nothing else. (PRM)
- 3rd Mon. WELI-960 Noted 3rd MM in January, not heard 2nd MM in February, so maybe a change from f/c list, TT & ID each min. (DY-CT)

SPECIAL

- 540 KNAK UT DELTA - EX-KDLT, same address. (NM-NM)
- 880 KRVN NE LEXINGTON - 2/12 noted by many in the east w/WCBS off early, at least I got my chance to log Cuba, but (RA-MA) not KRVN! See below: 2/12 0100-0106 s/off w/WCBS silent, #8 on my all time most wanted list, been after 'em since I began DXing, nx, wx, sports to 0105 1/2 s/off. (ERS-NJ) Fair w/religion o/u LA 2/12 0036, much needed. (DY-CT) L&C 2/5 o/WCBS @ 0109 s/off. (MS-IL) 2/12 0026-0040+ strong w/religion, wx & ID on half hour, CST/MST TCs, WCBS off. (DS-DE)
- 1170 KVOO OK TULSA - 2/11 0105 fair u/WWVA w/C&W mx, heard after WWVA s/off, a re-log, 1st time heard in 30 yrs. (WPT-DC)
- 1190 KJOY NM ALBUQUERQUE - EX-KPAR, same address. (NM-NM)
- 1220 CKCW NB MONCTON - Noted off AN MM 2/12, also off Thurs. 2/15 so maybe off AN altogether. (ERC-MA)
- 1470 WWQT FL CLEARWATER - ET 2/12 w/repeated VIDS to 0046 s/off, per phone call from Bill Coleman in Rocky Mount, NC, not heard here, alas. EX-WDCL. (ERC-MA)
- 1510 KDCQ AZ MESA - Now on the air. (NM-NM)
- 1520 WCHE PA WEST CHESTER - 2/9 PoP conducted 0001-0550, that was a LONG night! (DS-DE)
- KAMX NM ALBUQUERQUE - Has not been on the air for ages, don't know when they stopped broadcasting. (NM-NM)
- 1530 KVWO WY CHEYENNE - For those who tuned KQNK & heard YL & rr mx, this was Wyoming, KFBK also on w/Mystery Theatre. (NM-NM)

Box 150 Roanoke, VA 24012 Phone (703) 345 1511

WFIR/96 RADIO



ROANOKE VALLEY
Somewhere Special

GREAT SUNSET CONDITIONS

560 CJKL ON KIRKLAND LAKE - 2/11 2356 "armchair copy" w/CBC Nx. (DY-CT)
 570 WKBN OH YOUNGSTOWN - 1/31 1639 poor u/WNCA w/T40 & Pop mx. (BL-CT)
 620 WHJB PA GREENSBURG - 2/1 1750 fair o/WVWJ w/local spots, jx
 IDs, oldies hits. (BL-CT)
 690 WAPE FL JACKSONVILLE - 2/5 1751 fair, alone w/T40 mx, local spot
 & wx. (WPT-DC)
 WVOK AL BIRMINGHAM - 2/2 1815 fair u/CBF w/C&W mx, SID, male
 DJ. (WPT-DC) Sign off noted 2/7 1830. (FW-PA) 2/11
 1830 s/off, jx ID, many ments. of AL u/CBF, state #36
 here. (BL-CT)
 710 WGBS FL MIAMI - 2/2 1800 T40 w/SID by male DJ fair o/WOR. (WPT-DC)
 2/9 1810 good o/WOR w/mx, spot for Cafe, was looking
 for KEEL. (PRM-OH)
 WQBX VA BLACKSBURG - 2/9 fair/good in QRN w/Rock, "7 Q Radio"
 promos 1754-1800 s/off w/"A very pleasant good evening."
 No SSB. (PRM-OH)
 730 WPIT PA PITTSBURGH - 1/26 1700 very good w/religion, IDs. (BL-CT)
 740 WMBL NC MOREHEAD CITY - 2/9 1825-1828 good o/KRMG w/mx, area
 ments. & on past s/off due to snow & power outage, wx
 reports, much QRN. (PRM-OH) (WPT-DC)
 WBAM AL MONTGOMERY - 2/2 1750 fair w/TC in CST, spots, C&W mx.
 WKIS FL ORLANDO - 2/5 1807 fair w/no sign of CBL w/T40 mx &
 male DJ. (WPT-DC)
 750 WPDV WV CLARKSBURG - 1/31 1647 tentative w/spot for restaurant
 on Rte. 50 in Bridgeport, check of map shows this town
 very close to Clarksburg. (BL-CT)
 790 WAEB PA ALLENTOWN - 1/26 1701 w/wx, IDs & Oldies. (BL)
 WMC TN MEMPHIS - 2/11 2015 good o/CHIC/WEAN w/C&W mx. (DY-CT)
 800 WDSC SC DILLON - 2/7 fair @ 1800 s/off by male DJ, no SSB or
 Dixie. (WPT-DC)
 810 CJVA NB CARAQUET - 2/7 1751 fair o/u WQIZ w/mx & talk in FF,
 male DJ. (WPT-DC)
 WQIZ SC ST. GEORGE - 2/7 1749 w/plug for Gospel Show in
 Charleston, fair o/u CJVA, but good @ 1800 s/off. (WPT)
 860 WEVA VA EMPORIA - 2/3 1733 xlnr o/CJBC. (DY-CT)
 870 WFLO VA FARMVILLE - 2/11 fair @ 1745 s/off. (DY-CT)
 WKAR MI EAST LANSING - 1/31 1651 YL anncr w/community anncmts,
 good o/WHCU. (BL-CT)
 880 WRFD OH WORTHINGTON - 1/31 1656 Oldies & ID heard weakly
 u/WCBS. (BL-CT)
 910 WGBI PA SCRANTON - 2/12 1700 C&W mx, ID, then CBS Nx, poor
 mixing w/WRCQ. (BL)
 WGAP GA VALDOSTA - 2/9 1935 w/T40 mx, IDs & station promos by
 male DJ, good w/pest WRNL QSBed out. (WPT-DC)
 930 WLAS NC JACKSONVILLE - 2/9 1743 fair o/WRNL w/wx, T40 mx. (WPT)
 WSOC NC CHARLOTTE - 2/9 1737 good in WFMD null w/nx & traffic
 reports by YL/OM. (WPT-DC)
 940 WGRP PA GREENVILLE - 2/6 1800 s/off noted. (FW-PA)
 WINZ FL MIAMI - 2/4 1758 w/Stocks Report, "WINZ Newstime, 5:58."
 Spot for PTA, fair/good o/u CBM. (BL-CT) 2/5 1813 w/area
 ments. in Bank spot, wx, good signal but powered
 down @ 1815. (WPT-DC) (ERS-NJ)
 990 WMAZ GA MACON - 2/5 1744 fair, alone w/SID. (WPT-DC) (ERS-NJ)
 WBTE NC WINDSOR - 2/8 1746 fair w/s/off u/SSB of WANT Richmond.
 WNRV VA NARROWS - 2/9 1742 poor thru mess w/ID. (ERS-NJ)
 1000 WKMK FL BLOUNTSTOWN - 2/7 1830 s/off w/no SSB or Dixie, heard
 moments after WVOV s/off, my 6th FL catch this week, (WPT)
 fair signal w/3 s/off within 30 secs. on this frequency.
 WQTY AL MONTGOMERY - 2/7 1829 s/off w/no SSB or Dixie by OM,
 ments. of Montgomery & 5KW, fair/good. (WPT-DC)
 WVOV AL HUNTSVILLE - 2/7 1830 s/off by male anncr, ments. of
 Huntsville after WQTY s/off, 4th AL catch this week,
 fair. (WPT-DC) (BL-CT)
 1050 WYBG NY MASSENA - 2/10 1730 C&W mx, poor w/s/off anncmt u/WHN.
 1080 WEWO NC LAURINBURG - 2/8 1710-1725 noted o/u null'd WTIC
 w/Oldies, T40, many spots w/female DJ, looking for
 WQRO who isn't to be found yet! (DS-DE)
 1090 WMUS MI MUSKEGON - 2/11 1555-1601 u/WGLC w/C&W mx, ID & ments.
 of Western Michigan. (MS-IL)



WTTW/AMHERST MASSACHUSETTS

1110 WUPE MA PITTSFIELD - 2/8 1724-1730 s/off w/mention of
 96 FM Stereo, no SSB, semi-locals WHIM & WVNH had
 s/off @ 1715. (ERC-MA)
 1150 WKPA PA NEW KENSINGTON - 1/26 1712 fair w/ad for car dealer,
 Radio 1150 IDs. (BL-CT)
 CKOC ON HAMILTON - 2/11 2319 T40 mx, promo for Miss Hamilton
 Contest, poor/fair, rarely heard here. (BL)
 CJRC ON OTTAWA - 2/12 1807 FF IDs, mx, promos, jx IDs, sounding
 like CKLM, very good signal! (BL) Hope they don't
 ever get as wide as CKLM! (RA)
 WGOW TN CHATTANOOGA - 2/9 1820 atop w/SID, T40 mx. (WPT-DC)
 WTYC SC ROCK HILL - 2/9 1750 fair/good w/spots. (WPT-DC)
 1210 WADE NC WADESBORO - 2/8 1800 s/off by OM, unable to ID because
 of heavy WCAU QRM but s/off time, anncr's accent, &
 ments. of 1000W lead to conclusion, fair/poor u/WCAU
 last heard 30 years ago. (WPT-DC)
 1260 CIHI NB FREDERICTON - fair w/WEZE/St. Kitts 2015-2022. (DY-CT) Date?
 WPHB PA PHILIPSBURG - 2/10 1743 s/off anncmt then C&W mx,
 musta been last song of day, fair o/WEZE/CIHI. (BL-CT)
 1290 WHIO OH DAYTON - 2/12 1804 w/nx, many mentions of Dayton, poor
 signal but at times atop. (BL-CT)
 1340 WFAU ME AUGUSTA - 1/22 1900 end of nx, AM-FM ID, weak, soon
 disappeared. (BL-CT)
 1370 WELV NY ELLENVILLE - 2/7 fair @ 1730 s/off, no SSB. (BL)
 WPAZ PA POTTSTOWN - 2/7 1731 w/traffic report, s/off mentioning
 "...one of America's ten great Scott Stations." (BL) (RA)
 Certainly not one of America's ten great verifiers, hi!..
 1380 WRAQ NC ASHEVILLE - 2/9 1800 weak w/ID on hour. (ERS-NJ)
 1400 WHMP MA NORTHAMPTON - 2/4 1745 fair o/WILLI w/nx, area ments. (BL-CT)
 WBRL NH BERLIN - 2/12 1800 fair o/WILLI w/nx, wx w/ments. of
 very cold temps. 15-20 below zero. (BL-CT)
 1410 CIGO NS PORT HAWKESBURY - 1/30 2136 T40 mx, IDed as "CIGO Cape
 Nova." Very good signal. (BL)
 1430 WNAV MD ANNAPOLIS - 1/26 1636 fair/poor w/T40 mx, IDs o/WNJR. (BL)
 WXKS MA MEDFORD - 1/31 1603 EX-WWEL w/Disco, weak, did they do
 something to antenna since call change? (BL) Don't think
 so. (RA) (DY-CT)
 WJRB TN MADISON - 2/8 1930 noted ending nx, C&W mx, then gone.
 1440 WHHY AL MONTGOMERY - 2/9 2059 good atop channel w/LKW w/nx, TC's
 in CST, SID, thought it was pest WHHH until TC made it
 a dead give-away. (WPT-DC)
 1450 WKIP NY POUGHKEEPSIE - 2/4 1728 w/sports, area wx, fair, then
 suddenly faded out. (BL-CT)
 WXIV ME SOUTH PARIS - 2/7 1735 poor w/Rock, IDs & wx calling for
 snow. (BL-CT)
 1470 CHOW ON WELAND - 2/4 1816 weak u/WLAM w/IDs ment. of Phone #
 834-6682. (BL-CT)
 1500 WKER NJ POMPTON LAKES - 2/1 1722 jx ID, promos/MoR mx, very
 good o/WTOP/WFIP. (BL-CT)
 1520 KOMA OK OKLAHOMA CITY - 2/7 way o/WKBW 1855 w/contest address,
 Rock mx. (PRM-OH)
 1530 WPMC VA QUANTICO - 1/23 1714 fair ending s/off. (BL-CT)
 WRB NC CHAPEL HILL - 1/23 1717 xlnr w/Gospel mx, IDs. (BL-CT)
 1540 WKIE VA RICHMOND - 1/23 1702 T40 mx, YL anncr, IDs, fair
 u/WPTR. (BL-CT)
 WIPM NC ELKIN - 2/10 1800 weak @ s/off w/WPTR semi-null'd. (ERS-NJ)
 WPTR NY ALBANY - 2/4 xlnr 2210 w/Carly Simon. (SM-MA)
 WADM IN DECATUR - 2/7 1810 good w/promos, AM-FM IDs, s/off w/no
 SSB 1813, ments. of FM on until 10. (PRM-OH)
 1550 WBSC SC BENNETTSVILLE - 2/11 1815 s/off, thought they didn't
 s/off til 0000, maybe Sunday eve only? (ERS-NJ)
 WKYE TN BRISTOL - 2/13 1815 s/off, studios & offices in Bristol,
 VA, XR over in Bristol, TN. (ERS-NJ)

KICY COUNTRY

CBS News on the Hour - Alaska News on the Half Hour (7 a.m. - 5 p.m. M-F)
 (expanded news at 12, 6 and 10 p.m.)

1560 WSHY IL SHELBYVILLE - 2/7 fair w/ID 1819, better @ 1924 check w/TC/C&W mx, wx, area ments. o/u WQXR/WWGM. (PRM-OH)
 WWGM TN NASHVILLE - 2/7 1925 fair u/WQXR/WSHY w/ments. of Nashville & area. (PRM-OH)
 1580 WANB PA WAYNESBURG - 2/6 s/off noted @ 1759. (FW-PA)
 WSRF FL FT. LAUDERDALE - 2/4 1813 Rock mx & ad for area nite club, fair u/WQW/CKLM splatter. (BL-CT)
 WSBP FL CHATTAHOOCHEE - 2/6 1828 xint & on top w/s/off & Lord's Prayer, #21 on 1580. (WPT-DC)
 WYFA NY PATCHOGUE - 2/7 ruining a good SSS frequency on late for Snow Alert 1830-2000 when they finally went off, well over all w/Pop mx. (PRM-OH)
 WLJ TN SHELBYVILLE - 2/7 fair mixing w/WYFA @ 1830 s/off. (PRM)
 WESY MS LELAND - 2/7 good w/ID 1844 o/WYFA w/1845 s/off o/GOS station, noted same time 2/9. (PRM-OH)
 KRZI TX WACO - 2/7 poor/good w/Rock/IDs, promos, DJ Big John McCall 1934-2006, 250W directional west, stationed called & reported. (PRM-OH)
 WPGC MD MORNINGSIDE - 2/9 good w/spot, then 1745 s/off w/no SSB & FM plug, Stereo 95. (PRM)
 WAXU KY GEORGETOWN - 2/9 loud 1814-1815 w/C&W, s/off w/full ID & FM promo, no SSB. (PRM)
 KESM MO EL DORADO SPRINGS - 2/9 readable after 1859 KFDF s/off w/own s/off ments. of 500W, plug for FM, no SSB. (PRM)
 KFDF AR VAN BUREN - 2/9 fair in much QRN w/IDs, ISSB. (PRM-OH)
 KLTR OK BLACKWELL - 2/9 1915 fair/good w/talk about BKB game, KLTR promos, then s/off. (PRM-OH)
 1590 WYIG MS JACKSON - 2/7 good 1900 w/legal ID, into Rock o/WAKR.
 WELE FL SOUTH DAYTONA - 2/11 1846 poor w/WQW/WAKR w/ID. (DY-CT)

EARLY MORNING AT THE RANCH

560 CFOS ON OWEN SOUND - 2/12 0100 SID, then talk show before nx, s/off @ 0110, good atop channel. (WPT-DC)
 580 CFRA ON OTTAWA - 2/12 0114 ments. of Ottawa during spot on talk show, fair signal. (WPT-DC)
 620 WVNJ NJ NEWARK - 2/9 noted way atop @ 0130 w/EZL mx. (ERC-MA)
 640 KFI CA LOS ANGELES - 2/11 0134 T40/Disco mx, IDs, DJ chatter, weak/fair, soon fading u/Cuban. (BL-CT)
 660 WNBC NY NEW YORK - 2/12 noted off @ 0014. (DY-CT)
 680 WRKO MA BOSTON - noted off Tues. AM 2/6 w/only CFTR/WAPA there 0127+ also off 2/13, but w/OC, w/CFTR/WPTF in the null 0205 this time. (ERC-MA)
 710 WGBS FL MIAMI - 2/12 on ET/OC as usual w/VIDS every 10 mins, caught one @ 0250 even w/WOR, unneeded. (ERC-MA)
 740 WKIS FL ORLANDO - 2/11 0155 MoR mx, wx, very strong. (BL-CT)
 CBNM NP MARYSTOWN - 2/12 0430 weak w/standard CBC s/on, into nx, almost unreadable. (BL-CT)
 770 WABC NY NEW YORK - 2/4 0018 xint w/IDs/T40 mx, TC. (SM-MA)
 780 WBBM IL CHICAGO - 2/4 0028 xint w/CBS nx format, all nx. (SM-MA)
 790 CKSO ON SUDBURY - 1/26 0027 varying signal w/C&W mx/TC/ID. (BL-CT)
 2/12 0022 w/C&W mx, annr mentioned on til 0600, good night 790! (DS-DE) 2/14 ANing 0244 w/C&W mx, strong u/WEAN. (ERC-MA)
 800 CKLW ON WINDSOR - 2/8 usual pest not heard, all PJB til they s/off 0011 leaving CKLW. (MS-IL) Hope I worded this one right! (RA)
 810 KCMO MO KANSAS CITY - 2/12 0024 noted in passing w/tele-talk, WGY off, weak but here. (DS-DE)
 850 KOA CO DENVER - 2/12 0249 noted w/religious tele-talk in passing o/u WEAT/WRAP...goodnight 850! (DS-DE)
 WRAP VA NORFOLK - 2/12 xint playing Disco requests 0023. (DY-CT)
 860 CBH NS HALIFAX - 2/12 0011 s/off w/NA & GSQ moments after CJBC s/off. Fair. (WPT-DC)
 880 WCBS NY NEW YORK - 2/12 0025 off & Eting. (DY-CT)
 890 WLS IL CHICAGO - 2/5 0102 s/off for rare SP. (MS-IL) (ERC-MA)
 910 WBSA PA YORK - 2/14 0141 along w/WLAS-NC, in/out most of AM. UNID -- ---- 2/15 0257-0312+ TT here quite strong o/WSBA/WLAS/WRCQ. (ERC-MA)
 920 WTTM NJ TRENTON - 2/12 0143 goin' full bore w/rr, female annr, good bet for those needing NJ. (DS-DE)

950 WPEN PA PHILADELPHIA - 2/12 ET/TT/OC 0210-0300+ (ERS-NJ) 2/12 0044 evidently conducting PoP, TT/OC most of AM, when off WKAZ can claim this area as their primary, very strong u/OC. (DS-DE)
 970 WWSW PA PITTSBURGH - 2/12 0247 believe a change in their SP as only WWDJ noted, WWSW now featuring modern C&W mx. (DS)
 980 WPHG VA BRISTOL - 2/12 0146 loud on ET w/rr, many IDs, jx, should be an interesting place w/WRC off MMs, good morning 980! (DS-DE)
 KMBZ MO KANSAS CITY - 2/12 0219-0240 fair w/many contest promos, MoR, IDs, when WPHG cooled it for a bit. (DS-DE)
 990 WHOO FL ORLANDO - 2/5 0106 xint on ET "on the air for maintenance purposes, now signing off". by CE. (WPT-DC)
 1050 WSCV NH PETERBOROUGH - 2/8 0725 weak u/WHN w/nx, wx about snow storm. (BL-CT)
 1070 WAPI AL BIRMINGHAM - 2/12 0251-0300 noted w/Booker T. mx, strong signal but low audio, weak ID noted on hour. WIBC evidently off, WFLI/KNX only others noted. (DS-DE)
 1080 WTIC CT HARTFORD - 2/6 AN running a few seconds behind the same NBC Nx & annr on WBAL! (ERC-MA)
 WVCG FL CORAL GABLES - 2/12 0500-0506 s/on w/ment. of 10KW into NBC Nx, local nx w/many ments. of Dade County, amazingly heard thru WTIC! (BL-CT) It can be done... DX possible on this and other clear channels w/a little patience! (RA-MA)
 1100 WWWE OH CLEVELAND - 2/12 0026 noted off. (DY-CT)
 1220 WGAR OH CLEVELAND - 2/12 noted off MM till 0344 when they returned w/OC @ times. (ERC-MA)
 1240 WWCO CT WATERBURY - 2/7 0248 in/out w/WGBB & others w/"Super CO" IDs. (ERC-MA)
 WIST NC CHARLOTTE - 2/8 noted 0107 s/off to return 0530, mentioning now all C&W mx in s/off, they were T40 NSP last year. (DS-DE)
 1250 WKBR NH MANCHESTER - 2/5 0025+ w/fair signal, apparently changed from T40 to Oldies. (SM-MA)
 1260 UNID -- ----- 2/12 0307 w/Talk Show, host David Arlin(?) o/u WNDR/WWDC w/WEZE/GIHI both off. (ERC-MA) WNDE fits description Ernie. (RA)
 1280 WADO NY NEW YORK - 2/12 on ET/TT 0115-0145+ (ERS-NJ) ERC please note, your UNID 1280 was most likely this. (RA)
 1290 WGLI NY BABYLON - 1/26 0008 good on ET/TT & ID @ 0007. (BL-CT)
 1300 WFBR MD BALTIMORE - 2/12 0214 noted w/rr, another noted w/C&W mx o/u but off @ 0213 w/no ID. (DS-DE)
 1310 WIPE IN INDIANAPOLIS - 2/12 0306 noted w/rr after WCAM s/off, 1st time heard in awhile, annr's name was Fred. (DS-DE)
 1320 CKEC NS NEW GLASGOW - xint signal 2/10 @ 0146 w/rr, a good bet, maybe best bet for NS, they're AN-6, off MM. (ERC-MA)
 WHHO NY HORNELL - 2/11 0600 s/on into UPI Nx. (ERS-NJ)
 1330 WPTP FL FT. PIERCE - old friend heard again w/C&W mx AN now that WHET is no longer AN. (ERC-MA)
 1340 WHAR WV CLARKSBURG - 2/8 0200 popped atop w/AM-FM ID then automated Drake rr. (DS-DE)
 1350 WLOU KY LOUISVILLE - 2/8 ET 0215-0234 w/TT/OC, ID & TC @ 0234, fair/good signal. (NZ-NE)
 1360 UNID -- ----- TT, about 700 cycles, 2/11 0147-0158 & again @ 0302, but no ID - anyone else have better luck? Quite strong here, about even w/WDRG/CJVL, but not loud enuff to be WNSR. (ERC-MA)
 1370 KAWL NE YORK - 2/8 semi-local loud on ET/varying TT, some OC 0240-0300, ID & TC @ 0300. (NZ-NE)
 1380 CKPC ON BRANTFORD - 2/12 one of several stns 0038-0105 w/tele-talk show, phone 519-759-4200 w/host Ron ??? Promo, then ID, into 0100 Nx, s/off w/vocal O Canada 0108 o/others. (PRM-OH)
 WAMS DE WILMINGTON - 2/12 0330-0400 fair/good w/Rock, female DJ UPI Nx 0355, then local nx to 0400 ID, more Rock. (PRM)
 1400 WPCE VA PORTSMOUTH - 2/12 0126 noted atop most of AM w/religion, loud, w/no WSGA for once! (DS-DE)
 WJET PA ERIE - 2/12 0252-0305 w/Rock, YL DJ, NBC Nx, stn 400 in 4 months. (PRM-OH)

1440 WNFL WI GREEN BAY - 2/12 0017-0029 good w/MoR, female DJ, sports report 0025 o/CFG0/TTer. (PRM-OH)
 1460 WCMB PA HARRISBURG - this newie fair/good 2/5 0100 w/AM-FM ID & Ai Nx. (SM-MA)
 1480 UNID -- ----- 2/12 0158-0229* TTer on/off here MM u/WJIT/WLEE. (ERC-MA)
 1560 WAGL SC LANCASTER - 2/6 0645 fair @ s/on w/ments. of "clear channel" & 10 KW. (WPT-DC)
 1580 WKAA SD ABERDEEN - 2/12 0225 noted on ET w/ID. (ERS-NJ)
 WCLS GA COLUMBUS - 2/8 quick s/off noted 0004, to return 0600. (DS)
 UNID -- ----- 2/8 0228-0233 someone running TT w/break every 10 seconds, no IDs given, o/u KLOU, any ideas? (DS-DE)
 UNID -- ----- No Date...TTer 0033, off a minute later, very loud signal strength would tend to indicate WYFA-NY. (DY-CT)
 1590 WXRS GA SWAINSBORO - 2/6 0004 xlnt on ET w/C&W mx. (WPT-DC)
 1600 UNID -- ----- 2/6 0143-0146 w/high TT, about 1500 cycles, possible ID, then gone, u/WUNR/WWRL & o/WIXY. (ERC-MA)

Please use ELT when you report. See you next week. 73.... Ray

THE BIG 14

ERC	Ernest R. Cooper, Provincetown, MA	2 HQ-180's, Loop, SM2
ROSS	Ross Hansch, Madison, WI	HQ-180, NRC Loop
BL	Bryan Lee, Brooklyn, CT	RF-2200, Loop
NM	Norm Maguire, Albuquerque, NM	SPR-4, Sanserino, Radio West
SM	Steven Miller, Boston, MA	TRF Loop
PRM	Paul Mount, Nelsonville, OH	TRF, antenna back in Teaneck
DS	Dave Schmidt, New Castle, DE	HQ-180, Looped
ERS	Elliot R. Straus, West Orange, NJ	R-390A, FET Loop
MS	Mark Strickert, Chicago, IL	TRF, LW
WPT	William P. Townshend, Washington, DC	TRF
FW	Frank Wheeler, Erie, PA	S40B, Loop & LW
DY	Dave Yocis, Fairfield, CT	DX-160, LW
NZ	Neil Zank, Lincoln, NE	HQ-180A, TRF
RA	Ray Arruda, Acushnet, MA	SX-122, fillings in upper teeth

NRC AWARDS PROGRAM

CANADIAN PROVINCES AWARD

The new Canadian Province Award will be issued in three categories for stations verified from the respective provinces as follows:

- (1) 6 Provinces verified (Territory substitution allowed)
- (2) 8 Provinces verified (Territory substitution allowed)
- (3) 10 Provinces verified (No substitutions allowed, all 10 provinces must be verified)

Important Note: Only verifications from 1 April 1949 from Newfoundland will count. 1 April 1949 is date of joining Canada as a province.

Applications must include: Call, province, location, frequency and date of reception. Address all applications to:

Norman L. Maguire, Awards Manager
 6105 Del Campo Place NE
 Albuquerque, New Mexico 87109

Major credit for the Canadian Provinces Award goes to Andy Rugg, who laid out the best format and also gave the all-important Confederation date for Newfoundland. Please note: The date of reception must be reported, not the date of verification for each province. My sincere thanks to the Canadian members who replied to my inquires.

INTERNATIONAL DX DIGEST

CHUCK HUTTON
 P.O. BOX 2087
 DECATUR, GA. 30030
 (404) 633-1198
 BEFORE 2300 ELT

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

Mike Hardester (currently stationed in Okinawa) has compiled the following list of observations on what's been heard there since 11/23. First, some comments from Mike.... "Daily from 1200 to 1230 GMT R. Beijing is relayed on a majority of medium wave and shortwave frequencies, thus for a 30 minute period numerous frequencies are in parallel. At 1000 GMT NHK-2 (Japan) presents English news which is usually followed by EE language lessons until 1100 GMT. For South Korea, the First Program is on 711 kHz; the second program is on 603 with English from 1130 to 1200 GMT; the Public Education Program-1 is on 972 with Korean from 1200 to 1230 and 1330 to 1400 with Japanese from 1100 to 1200 and 1230 to 1330; the Public Education Program-2 is on 756 with Chinese from 0900-0930, and English from 0930 to 1000. The Central Broadcasting System of China (CBS), Taiwan, has Mandarin language programs from 0900 to 1145 on 900 kHz in //3335, 6040, 6087, 7150, 7250, and 9690. It should be pointed out that the Republic of China (Taiwan) did not adopt the 9 kHz plan and from all monitoring done remains on the 10 kHz separation plan".

531 when audible, NHK1 is the only stn heard
 540 unid stn in JJ
 549 lowal NHK1 dominates, Moscow's IS occasionally heard underneath
 558 KBS w/KK 0900-1000, EE 1000-1030, FR 1030-1100, SS 1100-1130, EE 1130-1200, KK 1200-1230, //2510 from 1230-1430 at least
 567 KBS //2510 in KK
 576 NHK1
 582.5 unid carrier looping NW/SE, seemingly gone by 1400
 585 unid CC stn, probable PRC per loop bearing
 590 unid CC, loops ROC
 594 PRC //3360 dominates, though occasional JJ at 1300
 596 unid carrier loops N/S
 600 unid CC loops ROC
 612 NHK1 dominates w/occasional CC mixing
 621 KBS //2510
 630 0900-0930 KBS //2510, 0930-1000 DWWW, 1000-1100 KBS //2510, 1100-1130 PRC //4250, 1130-1200 KBS //2510. After 1200 the frequency is a jumble of stations with CC and KK programming
 635 NK //3015 dominates
 639 a jumble of CC, JJ, and KK languages noted here-no definite ID's
 648 local Far East Network station dominates
 655 NK //3320 dominates
 657 another jumble of CC, JJ, and KK at varying times without consistency
 660 unid CC loops ROC
 666 NHK1 dominates; PRC //4035 noted occasionally at 1030
 675 NHK1 dominates
 684 NHK1 dominates with occasional CC noted
 687 NK //3320
 690 unid noted w/EE at 1100 looping towards ROC, //700
 693 predominately NHK2; occasional PRC //3360 and KBS //558 noted
 700 unid looping ROC and //690.
 702 only audible signal is occasional PRC //3360
 711 KBS //2510
 720 only signal is occasional stn in CC, loop bearing indefinite
 725 NK //2850 except 1300 when //3320
 729 PRC //3320 noted once at 1130, otherwise empty
 735 occasional weak KR stn, believed NK, but 738 local too string for copy
 738 local JORR in JJ normally covers 733 thru 743 with slop
 740 unid varying from 740-741 w/lang sounding like KK or CC
 747 KBS //2510
 756 unid weak stn noted in CC, loops PRC
 760 carrier only loops ROC
 765 KBS //2510 predominates, though occasional JJ noted
 774 unid stn noted weak with JJ

FIJI BROADCASTING COMMISSION
 GLADSTONE ROAD, SUVA, FIJI. BOX 334. CABLES: "BROADCOM"

783 local JOXR dominates
 785 NK //2850 occasionally noted; eporadically not //2850
 792 PRC //3360 occasionally noted
 800 NK //3320, though has varied // at 1300: 2850 or 3320 kHz. This frequency varies at times to 800.5 kHz.
 801 no stns noted
 808 NK //2850 sporadically noted
 810 static dominates, though PRC //2476 noted at 1100 and occasionally FEN Tokyo
 819 sporadic JJ noted
 828 NHK2 dominates
 837 PRC //3950 at times; occasional KK noted with no SW //
 840 mixture of CC and KK stns w/seemingly identical bearings to east
 846 PRC //3360
 850 NK predominately // 3320, though noted at 1300 //3031 or 1850
 855 CC and JJ stns mixing without // 's for either
 860 NK occasionally noted //2850
 864 KBS //2510
 873 NHK2
 880 unid stn in CC looping towards ROC
 882 predominately KBS //2510, though PRC //2340 at 1100 and PRC //3290 at 1200 noted
 891 KBS //2510
 900 unid stns in CC and KK noted without //freq's noted
 909 NHK2
 910 occasional carrier noted with possible audio in KK; not positive
 918 KBS //2510
 920 unid carrier looping ROC
 927 weak stn with occasionally clear audio; loops PRC
 930 PRC //4045 at 1030 and PRC //2490 at 1400; not sure of // at other times
 936 KBS //2510 and PRC //3220 mixing here
 945 though NHK1 dominates, KBS //2510 noted frequently underneath
 950 unid CC looping ROC, but very strong sig not indicative of a ROC location
 954 PRC // 3400 and PRC //3360 at 1300 noted
 960 unid CC looping ROC
 963 NHK1 and KBS //2510 mixing here
 972 KBS //6135
 981 PRC //3220 at 1200; otherwise not observed
 990 NHK1 dominates; weak CC noted
 995 unid carrier looping N/S
 999 only a weak stn in KK is occasionally noted
 1000 NK //2850
 1008 PRC noted with no regularity //3200, 3360, and 4380 on varying dates and times
 1010 CC looping ROC
 1017 NHK2; occasional EE at 1330 not //other NHK2 outlets, so this may be another stn; weak
 1020 unid stn in CC looping ROC
 1026 KBS //2510
 1030 unid stn in CC looping ROC
 1035 KBS //2510 0900-1000, //2510 1000-1100, PRC //4800 1100-1130, KBS //2510 1130-1300, CC and JJ mixing 1330 until past 1500
 1040 PRC here without MW or SW parallels
 1044 no audible stn although occasional carrier noted
 1050 sporadic carrier noted on different dates w/varying loop bearings; suspect different stations
 1053 JJ looping towards Japan
 1060 unid noted only at 1300 w/EE (weak but clear)
 1062 predominately KBS //2510 w/PRC //3220 noted sometimes around 1200
 1071 NHK1 dominates w/occasional CC noted
 1080 clear until 1300 when NK //2850 becomes audible
 1089 PRC //3360
 1090 CC looping ROC
 1098 unid, language garbled
 1100 Taiwan here in //3230 in CC
 1107 carriers noted but no audio
 1110 unid carrier with no definite loop bearing
 1116 PRC //3360 at times; carrier only at times with PRC loop bearing
 1125 local NHK2 stn
 1133 unid KK with loop bearing towards Korean mainland
 1134 KBS //2510 until EE s/on of the "Voice of the Party for the Re-unification of Korea" at 1400. Interestingly enough, KBS becomes untraceable at this time.,

1143 NHK2 noted at varying times; KBS //558 also noted; however VOA Philippines has not been noted
 1150 unid stns in what sounds like a cross between CC and KK
 1152 KBS //2510
 1161 unid JJ looping towards Japan mainland
 1170 KBS //2510
 1178 PRC //3220 noted occasionally
 1179 JJ looping towards Japan mainland
 1188 rarely a CC stn noted
 1190 carrier looping E/W
 1197 JJ looping towards the Japan mainland
 1206 occasional KK lang with loop towards Korea mainland
 1210 CC looping E/W
 1215 KBS //2510
 1220 CC looping E/W
 1224 PRC //3360
 1230 CC looping towards ROC
 1233 KBS //2510 with PRC //3220 at times
 1240 CC language stn looping ROC
 1242 no signals noted except carriers at varying times
 1251 local JOXF dominates; Moscow IS occasionally heard underneath at 1200
 1260 PRC //3220 occasionally
 1269 KBS //2510 occasionally noted
 1270 carrier looping towards ROC
 1278 no definite stn; varying carriers at varying times
 1282 CC stn(s) with ROC bearing at times and N/S bearing at other times
 1285 unid weak CC stn looping towards PRC
 1287 KBS //2510
 1296 NHK1 audio noted only once at 1230; otherwise silent frequency
 1300 CC stn looping E/W
 1305 KBS //2510
 1309.7 unid in CC or KK; too weak to ID for sure
 1314 unid KK stn with N/S loop and EE lessons at 1400
 1320 unid KK or CC lang stn without definite loop bearings; probably two different stations
 1323 KBS //2510 occasionally noted here
 1332 JJ and KK stations mixing here
 1341 unid KK looping N/S
 1350 JJ lang looping towards Japan mainland
 1359 garbled audio looping N/S
 1368 only stn is NHK1 which fades in and out
 1370 CC looping towards ROC
 1377 NHK2 which occasionally mixes with PRC //3200
 1380 CC stn with ROC loop bearing
 1386 CC stn with N/S bearing
 1390 CC lang stn noted from 1400 to past 1500
 1395 KBS //2510 noted at times; also PRC //3220 at 1200 noted
 1398 sporadic carrier; loop bearing differs at times
 1400 CC stn with ROC bearing
 1404 HLKP (CBS) is dominant stn
 1413 unid CC lang stn looping N/S
 1420 CC lang stn looping E/W
 1422 garbled audio
 1431 PRC //3360 noted from 1300 onward
 1437.5 PRC //2340 except 1130 when //3220
 1440 KBS //2510
 1441 unid KK weakly when 1440 nulled
 1442 weak carrier occasionally noted
 1449 KBS //2510
 1450 occasional carrier with KBS nulled
 1453 CC lang stn with N/S bearing
 1458 no audio, only carriers
 1460 stn here in CC w/definite identification for Taiwan
 1467 KBS //2510
 1470 CC lang stn looping E/W
 1476 only sporadic JJ at poor level
 1485 only sporadic JJ here at poor level
 1494 JJ lang stn looping towards Japan mainland
 1503 NHK1 mixing with KBS //2510

3KZ

BROADCASTING COMPANY PTY. LTD.

HEAD OFFICE:
 STRAND BUILDING, 64 ELIZABETH ST., MELBOURNE, O.1
 AUSTRALIA
 STUDIO: 40 VICTORIA STREET, MELBOURNE, O.1
 TRANSMITTER: BONDS RD., LOWER PLENTY, VICTORIA

1509 occasional weak CC and KK noted; loop N/S
 1512 PRC //3360
 1521 no stn noted until after 1500 when CC noted looping N/S
 1530 same as 1521
 1539 KBS //2510
 1540 east-west looping carrier
 1548 carriers only, no audio
 1550 American Forces Taiwan Network here //1570
 1557 carriers here, but weak audio only after 1500
 1566 weak audio until 1300 or so when HLDA is clear in EE/KK until 1331 s/off
 1570 see 1550
 1575 lang here believed to be from Thailand (Voice of Free Asia); possible weak EE at times-FEN Japan?
 1584 carriers only-no audio
 1593 jumble of stations, no specific loop bearings, JJ and KK heard
 1600 Taiwan? CC lang stn with possible ID, but loops E/W
 1602 another jumble of stations here in CC (two different, I believe) and KK
 1605 definite NW/SE lopping carrier with seeming 1500 GMT peak

All this brings up an interesting point-should NRC switch to the standardized language abbreviations used by SW DX'ers? Example-FR for French instead of FF, SPAN for Spanish, etc. The advantage of this system is that each language has its own abbreviation that eliminates confusion between Polish and Portuguese, Swedish and Swahili, etc. Mike's report was all in the new system, that's why it suddenly popped into mind. If anybody happens to care one way or the other please "provide some input" as corporate headquarters is fond of telling me these days. By the way, this system seems to be standardized world-wide-should we choose not to change we would be about the only ones on the old system. Shades of the metrics....

Important information from Distance (also known in DX circles as "Dizzy")
 Algeria Bechar still on 575. Iceland Reykjavik still on 665 as of 12/10.
 USSR a Radio Leningrad outlet noted on 1094. Abu Dhabi heard again on 728. South Korea some new freqs for stations in Seoul are TBC on 639, DBS on 792, and CBS on 837. MBC in Pusan now uses 1161. West Germany DLF claims the following powers: 209 Mainflingen 15 kw, 549 Thurnau 20 kw, 755 Konigslutter 910/460, 1269 Neumunster 660/1120, 593 HR 1000 (but 2400-0500 only 400 kw ND), 828 NDR Hanover 40/6, 936 Bremen 250 (Bremerhaven night only is 5.5 kw) 1421 Heusweiler 5010/1905, 1413 SRD Bad Mergentheim 3 kw, 1484 Adelsheim .2 kw, 1485 Munster .8 kw, Baden-Baden 1 kw, 990 RIAS ex 737, RIAS 683 Berlin deleted, 1449 SFB (ex 1484) 10 kw, 1197 VOA 955/2400 kw and Saarluis 182 6300 kw. (Comment from CH: some of these powers are incredible. I have no information that they are truly being used and based on what has been heard of them in Europe and the US I believe they are not using these levels) Saudi Arabia Duba 1521 heard in Sweden with fair signal. Argentina LU8 R. Barloche 590 increased power to 25 kw and lengthened its antenna. LRA52 R. Nacional is new on 670, power unknown. LW7 R. Catamarca on 730 will shortly increase power to 25 kw. LRA55 R. Nacional, Altos Rios Senguerr is a new stn, details are not known. LRA56 is new on 860, power unknown. LRA15 R. Nacional, Tucuman is now using 50 kw on 1030. (This via Arctic) Bolivia CP2b R. Cochabamba on 1050 ex 900, power 3 kw and sked 1100-0600. Colombia HJBE R. Internacional 940 ex 1210 according to a Colombian listener. 1560 HJLT R. Farallones ex 1550. (But I've heard it many times on 1550 since this info was received-CH) Ecuador Sistema Atalaya is now on 4780. (Passed along for use as a // to the MW outlet-CH) Mali Bamako has been reported on both 1430 and 1431. (So maybe still wandering-CH) Angola is reported on 1296 and 1360. (So they are on the new freqs-CH) Colombia HJLZ LV de Sud America is on 1080 now w/sked 0600-0100, this per reception of a strong harmonic on 2160. USSR updates to the 79 WRTH: 200 Moscow runs to 0300, delete Moscow on 612, 639 Omsk from 648, 774 delete Chinkent, 810 add Voru, Estonia //711 with 5 kw, 918 Mezen from 909, 945 Pavlodar, Kaz with 50 kw, 1134 unid north European 0400-2300, 1170 Moghilev also 0560-1700, 1224 Chinkent, Kaz with 150 kw 0100-2030, 1314 Moldavians to 1494, 1503 Kzyl Orda, Kaz from 1494, 1539 Latvians here ex 1485, 1521 unid north European 0400-2300, also jammers from 1525, 1503 north European delete, 1594 Byelorussia delete. (On second thought, maybe "E" means East, not Europe...-CH)

***Does this belong here? No! But anyhow, the calls for the new FFC on 1000 are CFLP and the complete address is: CFLP, La Compagnie de Radiodifusion Rimouski Limitee, Boulevard St.-Germain Ouest, Rimouski, Quebec. Power is 10 kw day and night, 24 hours. Another in a long list of special services from the fine folks at IDX.... Thanks Distance (Say thanks, ERC)

From Arctic Radio Club: England both BBC R. Sheffield and R. Medway are reported on 1034. Guatemala the Seventh Day Adventists opened a project called AWR Guatemala in August 1978. The plan is, initially, three xmtr's for airing Adventist programs on MW, SW, and FM. The FM and MW outlets are expected to be on by February 1979 and the SW by mid 79. Iceland another report of Reykjavik on 665. Portugal more reports of RDP Horta on 1259. CSB80 reported on 1394. Angola from Richard Ginbey comes news that most Angolans are on the old channels. Also there is one stn currently drifting between 1504 and 1506. Belgium the new tx at Wolvertem will not increase power to 600 kw as per the Geneva Plan because of surprisingly good test results. A new tx will be constructed at Wolvertem for 1512 with a power of 400 kw. The antenna will be an umbrella beam like Sarnen, Switzerland. (Not exactly sure what an umbrella beam is... That's not standard antenna terminology. Maybe some sort of exotic capacitive top hat scheme or sky-cap designed to reduce skywave radiation?CH) Czechoslovakia Topolna on 272 became fully operational with 1500 kw 11/15. Indonesia RRI announced that after 11/23 all stns must use the new frequencies. Private stns will not be allowed to broadcast if not on the new frequency. International Waters 1538 The Voice of Peace is now relaying news bulletins in Hebrew from IBA's network B pgm. Israel 576 is network A, 637 is B, and C is 531. Malta 1557 is 1900-2000 in AA, EE, and FF. ID is R. Mediterranean. The Libyan relay begins at 2230. Financed by the Malta government. Poland a new 200 kw tx on 200 is relaying the second pgm between 0800 and 1600. It will be in full operation during 1979. Katowice 1080 is now using the full 1500 kw. All MW stns will from now on transmit the Second Program only. Local pgms have moved to FM. Zielona Gora now on 1368 ex 1259. 1503 will be only Foreign Service in the future. Spain 729 RNE still using this freq, 1521 R. Peninsular de Barcelona 0700-0200, 1539 R. Peninsular de Madrid here. (Seems odd, in light of the fact that R. Peninsular has a tx on 1575 in Madrid-CH). Turkey TR1 will be 24 hours a day from 1/79. Paraguay the official time is now GMT-3 hours. Spain the power of the stns on 1584 and 1602 appears to be 2 kw in all cases. England is currently testing a motorist's information service on 526.5 with 100 watts. Korea TBC, DBS, and CBS moved to 639, 792, and 837 respectively. 603 is KBS 2nd pgm, 711 KBS 1st pgm, 756 KBS Public Educational Pgm 2, and 972 is KBS Public Educational Pgm 1. First pgm is relayed on 918, 1131, 1169 and 1341. Lesotho 891 sked is now 0500-2205 Monday, Thursday, Friday, and Saturday, 0500-2150 Tuesday, and 0500-2235 Wednesday and Sunday. Saudi Arabia Duba 1521 is audible in Germany under Hvezda. (No mention of the Tunisian-CH) Thailand 819 is 2nd pgm, 846 is third ex 870, 891 is R. Thailand ex 830, and 927 is External Service ex 920. Per a Bangkok newspaper, 1143 Thor Thor Thor ex 1150, 1170 Sor Wor Por ex 1160, 1278 Kor Sor Tor Bor ex 1280, 1332 Or Sor ex 1330, 1359 Yan Kraw ex 1300. Yugoslavia the local stations have all moved to either 1485, 1584, or 1602. Argentina 730 LW7 R. Catamarca to 25 kw shortly. Colombia 980 HJNL R. Punto ex Transisoras Apolo. 1210 HJTL LV del Progreso ex 940. Spain RNE skeds: 585 Madrid 24 hours, 639 all are 0700-0300, 684 Sevilla 24 hours, 729 Oviedo 0700-0300, Logrono 1000-2100, Cuenca 0800-0200, Malaga 0700-0300, 738 Barcelona 24 hours, 774 Caceres 0700-0300, Orense still under construction, San Sebastian 0700-0300, Valencia 0800-0300, La Linea 0800-0200, 855 Murcia 0700-0300, Santander 24 hours, Huelva 0800-0200, Pontevedra still under construction. Radio Peninsular in Madrid and Barcelona is 0800-0300. West Germany 972 Hamburg is screened towards Nikolayev. Greece Eastern Crete Radio Station has been heard in Finland. Qatar QBS on 954 is very strong in Sweden. South Africa intends to move up the frequencies of its transmitters 1 kHz this year to conform to the Geneva Plan; this applies to Radio Five, the only MW stns left. United Arab Emirates Dubai RTV broadcasts its Arabic service as follows: 1106 10 kw 0330-2145, 1250 50 kw same, 1481 0330-0615, 1000-2145. They intend to leave the 1481 tx on its present freq. From the EBU monthly monitor report (a listing of stations off frequency, new transmitters brought into service, old transmitters removed, powers of observed tx's, etc.-CH) 531 Torshavn, 539 Conamara, 648 Plovdiv 30 kw, 702 Monte Carlo 2 with 300 kw, 765 Dakar now 400 kw, 1359 RNE Figueras 1000 kw heard by the monitor stn in Jurbise, 1570 Sfax is here, listed on 1575 in the Geneva Plan, 1575 Ayutthaya w/1000 kw, 1603 Ceuta.

Play-DX info: Israel reported on 738 so they must be slowly switching to the new freqs. Some of the other stns had been reported on the old freqs. Syria Tartus hrd on 782.

Medium Wave Circle: notes on the dial in Europe: 520 still some stations here. 1017 Turkey not hrd here, only SWF and BBC mix ex 1296. 1241 someone putting a strong het on France 1242. 1305 Belgium here ex 1043. 1403 a strong het on France 1404. 954 the new Turk heard here is Trabzon with 300 kw. 963 Turku, Finland is still here with 100 kw. 1251 Libya has changed OK, also 1404. 1305 Poland-2 pgms are being heard here. 520 (should have read further, eh-GH) West Germany is still using 520 from Hof and Wurzburg.

From Tune-In of the New Zealand Radio DX Association: additions and amendments to the Pacific list: 531 add 4KZ Innisfail-Tully, 549 delete 2CO Corowa, add 2CR Orange, 576 add 2WEB Bourke, 666 ad Noumea, New Caledonia, 720 add 2ML Murwillumbah, 765 add 2BE Moruya (translator), 774 add 4TO Townsville ex 783, 927 add 4CD Bileola (translator) 1089 delete 2GZ Orange who moves to 990, 1089 3WM is correct call for Horsham, 1134 3CS correct location is Colac, 1260 add Noumea, New Caledonia, 1476 add 2KA Penrith (translator), 1575 add 200 Wollongong.

Here's your answer, Bob Foxworth: the East German on 1575 is AN so it almost has to be Bari you heard s/on 0500. Re the NASWA information you passed along about a Dominican Republic station on 530, I bet it's supposed to be 1530 because there is a new stn (R. Accion) in Santo Domingo on 1530.

Verie department: Hank Wilkinson-702 2BL Sydney for 1/10/79 report, QSL forwarded from ABC, Box 487, Sydney. 756 4QA Mackay ABC card for 1/12/79 report. Forwarded from ABC, Box 293, Brisbane 4001. 855 4QO Eidsvold ABC card for 1/15/79 report, forwarded as per ABC above. 1035 2ZB Wellington verie card and letter for 1/22/79 report. V/s N.H. Ellison, Technical Superintendent. Two IRC's enclosed with each report. Ernie Cooper: 1130 R. Tonchala, Colombia sent v/l in SS from Luis Vicente Serrano Silva, Gerente. Address: Avenida 3a No. 4-86-Apartado Aereo 1650, Cucuta, COL. Also 1200 Colombia R. Super sent v/l in SS from Humberto Pava Camelo, Gerente. Address: Avenida 2a. E Norte No. 24-114, Cali, Colombia. Steve Ponder: XEOR 1390 v/l from F.M. Garza Pena, Gerente. Stan Morss: HJBL 1160 picture card and letter from Reyna Esper F. who was given the stamps I always send. Lists Libertad stns as Libertad 600, Emisora Unidas 720, Aeropuerto 1160, Ondas del Caribe 840, and La Fabulosa in Cali. Writer is 16 and would like correspondence. Address is Reyna Esper F., KRA 57 N-84-146, Barranquilla, Atlantico, Colombia. Stan says: "my Spanish not good enough for correspondence-a mixture of Puerto Rican basics and X rated". (We certainly don't want your type writing to this innocent young child anyhow. By the way, your English is lousy too, hi-CH)

And now for the IDXD Music Lesson of the Year; here's what Bill Bailey sent along as the IS he heard on Urumchi 1521.....

(too cheap to use a sheet of music paper! Chuck)



****Before I forget again, who sent me the two Pickwick tapes for the anthems? Whoever this unfortunate soul is, I set them aside without marking who they were from. Better write and claim them before I wear them out in other uses....

TP/DU DX'ers-if you are serious about your DX'ing, the new Pacific Log is exactly what you need to figure out what it is you aren't hearing these days. Seriously, this "NRC Log" type book is very, very good. Includes addresses, networks, skeds, powers, calls, location, time zone, special programs carried, language, etc. If I have convinced you, order from "Pacific Log", GPO Box 1150, Sydney, NSW, Australia 2001. Cost is A\$6.50 to New Zealand, US price not given. This is put out by the top Australian DX'er Chris Martin. 92 pages.

- 527.4 COSTA RICA TICAL Cartago undoubtedly; weak signal with SS mx at 0445, also SS talk looping CA. Never did hear an ID. 2/10. (Nelson) Peal your ears for simple "Rumbos" ID's-GH
- 529 ALGERIA Ain Beida weak w/man in AA 2213 2/10. (Connelly)
- 535 GRENADA Mourne Rouge R. Grenada 2350-0005 2/10 and 2/11, presumed the one w/vocal mx (chant-like), weak, no ID on hour. (Straus) Grenada always stops to give a nice ID on the hour prior to news from BBC-GH
- 540 COLOMBIA HJKA R. Emisora Horizonte de Bogota good o/HCF2 w/com-plete ID, dramatic organ mx 0800 2/12; mention of RCN also.
- 540 ECUADOR HCF2 R. Tropicana, Guayaquil fair o/HJKA after YNOW s/off w/slow SS ballads, one disco mx promo, several ID's 0649-0703 2/12. (DeLorenzo, last two)
- 540 NICARAGUA YNOW R. Corporacion, Managua xlnt, atop w/SS MoR vocals, frequent ID's 0518-0555 s/off 2/12. (DeLorenzo)
- 545 DOMINICA Roseau fair to good w/fast FF talk, CFNB nulled 2318 2/10. (Connelly)
- 555 ST. KITTS Basseterre ZIZ 2325 2/8, very good w/YL giving EE mx. (Straus) Running potent OC 0502 2/10. (Connelly)
- 575 COSTA RICA San Jose TIRN xlnt w/SS talk then SS vocal (possibly a hymn), weak 576 TA het in background, 0446 2/10. (Connelly)
- 580 PUERTO RICO WKAQ San Juan dominant w/"WKAQ-Radio Reloj" jingle, then non-stop SS talk, mostly about business and industry 0547 2/11. (Connelly)
- 585 SPAIN Madrid fair w/SS pop-rock mx 0448 2/10. (Connelly)
- 590 CUBA Sgn German Q&KV ex 600 o/u WEEI w/SS nx //600, 0451 2/10. (Con)
- 600 COLOMBIA HJHJ Barranquilla briefly atop Cuba; R. Libertad ID, then uptempo SS vocal 0709 2/10. (Connelly)
- 600 CUBA QMw San Antonio de las Vegas (ex 590 per RFS) o/other LA and weak 601.1 het, loud w/SS nx //590 0451 2/10. (Connelly)
- 612 MOROCCO Sebba-Ainou loud w/AA group vocal mx 2323 2/10. (Connelly)
- 621 CANARY ISLANDS (tentative) poor to fair w/fast SS talk 2338 2/9.
- 639 SPAIN synchronized outlets poor w/bits of SS talk, mostly just a het on CBN 2337 2/9. (Connelly, last two)
- 639 UNID and presumed Spain w/weak het, loop NE 0512 2/12. (Yocis)
- 640 SURINAM Paramaraibo RADIKA l&c o/QMw w/chanting, man in Hindustani 0857 2/12. (DeLorenzo) W/man in Hindi atop Onda Portena and a host of others; low growl present, 2325 2/10. (Connelly)
- 640.5 UNID LA het 0548 2/11. (Connelly)
- 645 PARAGUAY (tentative) 2/10 at 0242 subdued carioca type orchestral mx; SS male anncr; 250 Hz het; 36 dB/noise. I thought this one had moved. (Bailey) Indeed it had moved; it was gone for a year or two. Now, the question is-do we have a new station here or is this Caaguazu returned? I put my money on the former on the basis of day in-day out signal strength and programming-CH
- 648 ENGLAND Orfordness 2/11 at 0001 EE male, nx followed 5 time pips; 52 dB/noise. (Bailey) Fair w/man in EE o/1.2 Hz SAH and trace of second audio (Gambia?) 2226 2/10. (Connelly)
- 650 COSTA RICA TIBAS San Jose good o/rough pack of SAH's/carriers; male SS ballad vocal, Monumental ID spoken over it (a la Titania), then SS talk, ID given again, 0512 2/10. (Connelly)
- 650 DOMINICAN REPUBLIC HIAT Santo Domingo dominant w/Elton John disco song, SS talk, R. Universal ID 2327 2/10. (Connelly)
- 650 VENEZUELA YVLH R. Vision, Maracay l&c, alone w/SS MoR vocals 2324-2328 2/11. (DeLorenzo)
- 655 NORTH KOREA R. Pyongyang weak w/the usual KK pgm 0910 2/7. (Tomer)
- 657 MOROCCO El Aaiun 2/11 at 2346; woman AA anncr, AA chanting predominating steady 38 dB o/noise. Hrd s/off at 0300 2/12 w/NA. (Bailey)
- 660.5 UNID LA het 0515 2/10. (Connelly)
- 660 CUBA Santa Clara fair o/another 0514 2/12, WNBC off. (Yocis)
- 660 UNID LA, looped east of Cuba 0515, equal strength, both Haiti and St. Lucia off, no? (Yocis) Yes, both are off. R. Uno in Cali and Ondas de los Medanos, Coro, Venezuela are the only two likely stations at this hour.CH
- 666 PORTUGAL Lisboa presumed w/soft mx fair in WNBC slop 2228 2/10. (Connelly)
- 670 CUBA Q&KP San Pedro de Cacocum alone on channel w/LA horn instrumentals //690, 0520 2/10. (Connelly)
- 675 COSTA RICA San Jose TIJCN fair in WRKO slop; ID "R. Sonora-la (something) musical de Costa Rica, then SS ballad 0521 2/10. (Con)
- 690 CUBA Q&BC La Habana o/CFB w/jazz //670 0520 2/10. (Connelly)
- 693 ENGLAND Moorside Edge 2/10 at 2330 cultivated British anncr, big bands (Blue Berryhill w/Louis Armstrong, etc.), 66 dB/noise. Much fuller modulation than heard from there before. (Bailey) Fair w/woman in EE, then show tunes 2231 2/10. (Connelly)

READ THIS!

- 693 JAPAN Tokyo JOAB, flute mx, female and male in JJ conversation, good volume 2/12 1139. XETRA off this morning. (Nelson)
- 699 DOMINICAN REPUBLIC HIDC Valverde poor w/woman in SS 2234 2/10. (Connelly)
- 700 COSTA RICA TIHB San Jose fair-good o/others w/ID "R. Reloj de Costa Rica", then TC given; this was followed by an SS song w/a Jewish sound, like Fiddler on the Roof, 0529 2/10. (Connelly)
- 700 VENEZUELA YVMH Maracaibo loud and totally dominant w/clear R. Popular ID 2331 2/10. (Connelly) L&C, alone w/disco mx, jingle 2331-2333 2/11. (DeLorenzo)
- 705 ST. VINCENT Kingstown poor to fair w/nx in EE, 2336 2/10. OC fair 0530 2/10. (Connelly)
- 710 VENEZUELA Caracas YVKY loud, totally bombing WOR; Santana jazz-rock instrumental, then man in SS mentioning R. Capital, then electronic disco rock w/female vocal 0532 2/10. Faint 711 TA het in background. (Connelly)
- 719 PORTUGAL Norte still here on 719-slamming in w/PP talk w/instrumental mx interludes between talk 2334 2/9. (Connelly)
- 720 CUBA CMGN dominant w/SS talk by man and woman about political conditions in Central American countries 0535 2/10. WGN barely audible in null. (Connelly)
- 720 VENEZUELA YVOE Porlamar in w/mighty signal, alone on channel w/het from Portugal 719 the only interference; Porlamar ads and phone numbers, R. Vision jingle 2239 2/10. (Connelly)
- 725 COSTA RICA TILX San Jose fair w/fast SS talk, 0536 2/10. (Connelly)
- 725 SURINAM SRS Paramaribo fair w/fast SS talk 0536 2/10. (Connelly)
- 729 SPAIN to good peaks w/pop mx, then man in SS 2333 2/9. (Connelly)
- 730 MEXICO XEX Mexico City good w/CKAC nulled; beer ad "La Cerveza es Coruna", then Mexico mentions 0445 2/11. (Connelly)
- 738 SPAIN Barcelona poor w/bits of SS talk in CBNM slop 2242 2/10. (Con)
- 740 COLOMBIA HJNS Valledupar popped up briefly through stronger CBL w/R. Guatepuri ID 0540 2/10. (Connelly)
- 747 UPPER VOLTA Ougadougou in w/good carrier, weak audio on man in FF 2325 2/9. Poor w/drumming and native vocal, badly sloped by WHEB 2244 2/10. (Connelly)
- 750 VENEZUELA YVKS Caracas xint/alone on channel w/"Tragedy" by the BeeGees, then Caracas ID 0544 2/10. (Connelly)
- 756 WEST GERMANY Braunschweig (DLF?) 2/9 0546 interview between two men in GG, 0533 mx to 0558, then lady again, pips at 0600 followed by male w/nx who mentioned the cities before each item. (Vernon)
- 756 PORTUGAL Lisboa fair to good w/soft cl piano mx, then talk by woman, o/TVI het 2324 2/9. (Connelly)
- 756 UNID 2 station mix here, audio garbled by fast SAH 2245 2/10. (Con)
- 760 COLOMBIA HJAJ Barranquilla loud/dominant w/festive SS mx, then RCN ID 0547 2/10. (Connelly)
- 765 SENEGAL Dakar very good w/plucked string mx 2317 2/5. Xlnt 2210 2/6. In w/absolutely staggering local signal, reducing WABC to a pitiful background het on car rx at W. Dennis Beach well before sunset 2130 2/10. (Connelly)
- 771 COLOMBIA (tentative) HJKH is believed to be the drifter here-creaming WABC at times; SS male vocal, then "Disco Duck" song, ID lost to fade (Murf's Law) but it sounded like possible R. Tequendama 0554 2/10. Carrier was FM'ing/wobbly. (Connelly) You guessed right-CH
- 774 JAPAN JOUB Akita, male talking about something in JJ, loud signal, in and out most of morning 2/12 1140. (Nelson)
- 774 SPAIN Caceres et al very good w/SS talk by several anncr o/OC, fast SAH present 2318 2/9. Good, dominant w/nx in SS 2201 2/10.
- 775 COSTA RICA TIW San Jose o/heavy 774 het; R. Uno ID, then BeeGees 0548 2/10. (Connelly, last two)
- 780 BRITISH VIRGIN ISLANDS ZBV1 Roadtown xint w/reggae instrumental w/jungle type sound effects (birds, etc.), then man in thickly Caribbean accented EE gave telephone number as 42250, ZBV1 ID given 2338 2/10. (Connelly)
- 780 CUBA CMJN Camaguey alone on channel w/SS political talk 0556 2/10.
- 782 PORTUGAL Miramar still here, loud w/modern cl violin mx 2316 2/9. Loud w/woman in PP, seperable from 783, 2203 2/10. (Connelly, two)
- 783 EAST GERMANY Burg likely here, fair w/jazz, splittable from a stronger PP-782, 2203 2/10. (Connelly)
- 792 FRANCE Limoges poor w/cl mx in WEAN slop 2206 2/10. (Connelly)
- 801 UNID het noted 0550 2/11. (Connelly)
- 819 ANDORRA presumed w/strong het on 820 mess 0519 2/12. (Yocis) La Vieja loud w/man in FF atop fast Morocco SAH 0603 2/10-Morocco took over at 0605. (Connelly)

- 819 ANDORRA/MOROCCO Sud Radio fair w/man in FF 2228 u/loud Rabat w/chanting, drums, violins 2228-2233 2/10. Good low-end opening; thanks to Mr. Connelly for phone tip. (DeLorenzo)
- 819 MOROCCO Rabat good w/man in AA 2314 2/9. (Connelly)
- 825 COSTA RICA TIOS San Jose fair/good o/fierce low pitched het believed to be from the Panamanian; "Feel So Good" by Chuck Mangione, usual over-dubbed automated "Titania" ID by woman 0607 2/10. (Connelly) Here I think. Followed from 0705 to 0800 intermittently--loud, singers with orchestra. Long fades; very good at times, much louder than Belize. Went from one selection to another with no anncts. "You Light Up My Life" at 0750, then "Don't It Make My Brown Eyes Blue". Faded to zero on hours and half hours. Male stn ID at 0800 but too weak to understand. Carrier off 0802. I thought TIOS was off the air by 0700. 2/12. (Nelson) Titania often runs very late. Almost all the time, the only ID's you will hear are TEE-tah-nee-yuh intoned over a song, so forget about listening between records except on the hour-CH
- 825 PANAMA HOR56 Macaracas totally atop at s/off w/ID "Peninsula" by man in SS, then old-fashioned LA electronic organ mx followed by march mx (anthem??), then OC 0551-0555 2/11. (Connelly)
- 828 MOROCCO Oujda fair w/female AA vocal mx //819, o/low grumble 0609 2/10. (Connelly) Fair but undermodulated signal w/chanting //819 2236 2/10. (DeLorenzo)
- 828 JAPAN JOBB Osaka good signal 0924 2/7 w/JJ talk. (Tomer)
- 830 COLOMBIA HJIM Medellin o/WCCO w/festive brassy SS mx, then R. Vision ID 0613 2/10. (Connelly)
- 836 UNID hetting 837-disco rock mx 0616 2/10. (Connelly)
- 837 FRANCE Nancy fair w/man and woman in FF o/raucous 836 het 0616 2/10. (Connelly)
- 837 JAPAN JOQK Niigata fair w/NHK1 pgm //882 and 891, heard at 0925 2/7. (Tomer)
- 840 HAITI/ST. LUCIA/UNID 3 stn mix here. St. Lucia w/fast Creole FF, then reggae mx o/u suspected Haiti w/serious, formal FF talk by man; both o/an SS stn w/rustic Colombian style accordion mx (this probably HJBI) 2344 2/10. (Connelly) St. Lucia should be //545 with fairly wild style programming and easy to check. WRTH also lists a SW // for Haiti-3345 kHz-anybody know if this is on? I don't recall tuning it in but then again I haven't listened to SW for a year or two-CH
- 846 GILBERT ISLAND Tarawa VSZ1 weak w/native talk 0750 2/6. (Tomer)
- 846 ITALY (tentative) mx poor in bad WHDH slop 0618 2/10. (Connelly)
- 846 UNID dunno who this is. Very weak, looping DU, soft, slow semi-cl mx surfaced for 5 minutes at 1303 2/12. Tarawa supposedly off at this time, must be Australia or NZ. Never returned; no anncts so no ID. (Nelson) Have been some reports of an ABC stn here but I can't recall the calls-CH
- 855 SPAIN Murcia fair w/jazz, then man in SS o/WHDH slop 0620 2/10. (Connelly)
- 860 BRAZIL R. Mundial, Rio de Janeiro fair w/PP version of Bob Dylan's "It's All Over Now, Baby Blue", man in PP at 0743-0747 2/12 during extended fade of the Cuban. (DeLorenzo)
- 860 CUBA R. Reloj hrd 0545 2/12, not sure of location, power, etc. (Yocis) That's because nobody except the Cubans know-CH
- 864 FRANCE Paris good w/man and woman in FF 0621 2/10. (Connelly) Fair w/man and woman in FF 2250 2/10. String mx before that. (DeL'zo)
- 871 VENEZUELA Caracas YVKU reducing 870 to a het; SS talk mentioning Caracas and "la (something) mejor de Venezuela", then slogan "La Emisora-Canal Nacional" 2350 2/10. (Connelly)
- 873 JAPAN JOGB Kumamoto, xint loud signal 0920 2/8 w/EE lessons. (Tomer) 0927 fair w/JJ talk. (Tomer)
- 873 UNID graveyard type growl 0622 2/10. (Connelly)
- 880 CUBA Pinar del Rio CMAF 0630-0655 surprised to hear them playing all rock. Since when have they programmed stuff like this? "Radio Progreso" ID at 0655 then into nice light Cuban concert mx. 2/10. (Nelson) Any of the Cubans can be found playing some rock. Progreso sticks mostly to cl mx but will play anything they want to on occasion-CH
- 880 GUATEMALA TGJ R. Nuevo Mundo, almost positive it's they w/WCBS off 0525 2/12. (Yocis) Briefly in 0457 2/9 w/Nuevo Mundo mention. (Tomer)
- 882 JAPAN JOBK Shizuoka fair 0935 2/7 w/NHK1 //891. (Tomer)
- 882 NEW ZEALAND LYC Auckland fair 0805 2/6; cl mx. (Tomer)
- 885 MONTSERRAT ZJB Plymouth fair w/Ros Stewart disco hit 2352 2/10.
- 891 ALGERIA Algiers probable w/woman in FF fair to good 2302 2/9. Good w/man in AA 0624 2/10. Loud w/AA yelling 2253 2/10. (Connelly, last 2)

- 891 FIJI Lautoka, id on at this time (1250-1255). Traces of singing with instrument which sounded like nose flute. Very weak signal, with 2 minute fades. Better heard on the R390A in 1 kHz position with Q-multiplier than on NC400 in narrowest crystal filter mode. 2/12. (Nelson)(Fiji supposed to s/off before this time-either 1000 or 1100-I believe the latter is more likely-CH) Fair w/Hindi pgm 0807 2/6. (Tomer)
- 891 JAPAN JOHK Sendai good o/Fiji 0935 2/7 w/JJ singing and talk. (Tomer)
- 914 SURINAM Nieuw Nickerie RANI 2315 2/08, finally some audio on this one after weeks of carrier only. Good w/Hindustani? vocals and male talk. (Straus)
- 944 HONDURAS HRYW R. Panamericana, interesting latin rhythms mixed w/ "Moonlight Serenade"-Glenn Miller, etc. Easily understood SS male annrc; 2/10 at 0301 etc. 52 dB/noise. (Bailey)
- 945 ECUADOR (tentative) Guayaquil; 2/10 at 0220 catchy orchestral mx listehable about half of tuned-in time. Didn't hear R. Ifesa ID, but BCB filled w/South Americans and pgm similar to other Ecuadorians. (Bailey) Ifesa is a pop stn, leaning sometimes to semi-rock at times-CH
- 945 FRANCE Toulouse; 2/10 at 2210; FF male annrc; guitar and string mx; 0.75 Hz SAH; 46 dB/noise. This has been a busy frequency. (Bailey) Fair in slop w/Slavic talk 0626 2/10. (Connelly)
- 945 UNID (possibly Sao Tome e Principe) PP mx w/male; 2/4 at 2100 (and 5 subsequent nights); mostly sedate West African instrumental mx and group chanting. Several Angolan SW frequencies checked and 4807.5 kHz (Sao Tome) monitored. The SW programs were similar in style and content but I did not find any one //. Portuguese (or similar) NA at s/off 2300; 6Hz SAH; 42 dB o/noise; approximate 5 minute fades. (Bailey) I would have checked out Nigeria if I were you since the programming sounded West African-CH
- 954 JAPAN Tokyo JOKR 0936 2/7 good signal w/US pop song, JJ talk. (Tomer)
- 954 SPAIN (tentative) Madrid believed to be the strong station noted w/SSS talk by man 2306 2/9. (Connelly)
- 1008 JAPAN JONR Osaka great signal 0857 2/7 w/JJ ads. (Tomer)
- 1008 NEW ZEALAND LZD Tauranga 0820 2/6 fair w/pop mx. (Tomer)
- 1008 UNID apparent SS talk-possibly Canary Islands stn-poor in WINS slop 2305 2/9. (Connelly)
- 1035 HAITI 4VEC Cap Haitien xlnt w/EE rlgx pgm QRM'ing WBZ 2305 2/10. (Connelly)
- 1035 NEW ZEALAND 2ZB Wellington weak w/pop mx //1008, heard at 0910 on 2/6. (Tomer)
- 1035 PORTUGAL (tentative) romantic vocals, woman in apparent PP o/u WBZ slop 0637 2/10. (Connelly)
- 1044 MOROCCO Sebaa-Aioun fair on peaks through WHN slop-female pop vocal 2310 2/7. Very good w/man in FF o/slight 1045 Panama het 2345 2/9. FF mx o/German SAH 2301 2/10. (Connelly)
- 1044 EAST GERMANY/MOROCCO Sebaa Aioun good w.man in FF 2301 but fading u/Dresden w/woman in GG 2305-2308 2/10. On 2/11 Sebaa Aioun was alone w/light jazz, man in FF 2256-2300; no SAH. (DeLorenzo)
- 1053 JAPAN JOAR Nagoya 0906 assumed the source of JJ talk, in for a short while then gone. Seemed to be a JJ play. (Tomer)
- 1062 DENMARK Kalundborg, Program Three, 2/9 0532+ mx w/female annrc, Mor style. Stn heard here consistently since frequency change, am surprised it isn't more widely heard. (Vernon)
- 1062 UNID carrier 0850 2/6 looping South Pacific. Would be nice if ot was from Samoa. (Tomer)
- 1071 UNID SS talk in slop from other LA's on 1070 0641 2/10. (Connelly)
- 1098 MARSHALL ISLAND WSOZ Majuro 0905 2/6 in briefly w/Polynesian talk then faded completely. (Tomer)
- 1110 VENEZUELA YVQT R. Carupano 1030 2/11 w/Carupano ID's, male talk, good w/WBT off. (Straus)
- 1161 FRANCE Strasbourg fair o/LA-1160 slop; man and woman in FF, also sometimes other languages were used, then FF folk and pop mx 0535 2/11. (Connelly)
- 1197 UNID plaintive PP or SS vocal, poor o/SAH, 0647 2/10. (Connelly)
- 1206 AUSTRALIA 2GF Grafton weak at best 0927 2/8 but w/3 clear ID's after end of Eric Clapton song. I've about given up on hearing Fiji here, hi. (Tomer) It might be a good idea to go ahead and give up. Pete Taylor heard no Fiji stn on or near 1206 when in Fiji right after the change-CH
- 1206 FRANCE Brodeaux poor to fair w/WCAU slop; man in FF 0648 2/10. (Connelly)
- 1206 NEW ZEALAND (tentative) 4XO R. Otago, Dunedin 2/5 1041 mx "New York, New York", 1044 SID by female "Radio Otago", rr mx followed, 1046 male annrc w/commercial I believe, then signal lost. Thought I had the long-sought-after stn on tape but on replay discovered that the tape had been threaded wrongly, what happened next can not be described in print. (Vernon) Murphy strikes again....
- 1215 GREAT BRITAIN Washford et al, 1/30 0608+ replay of last hours of fifth test versus Australia from Adelaide. Good match-England won by 205 runs. Signal even better on 1215 than when on 1214. Very little Thule 1210 splash now. (Vernon)
- 1224 BULGARIA Vidin FS 2/4 (tentative) 0434 female annrc w/talk, maybe mx, 0438+ mx mix w/female annrc, to 0442 when signal lost. Albanian listed in WRTH for these times, language was not SS, Sweden not listed as being on. Poor sig. (Vernon)
- 1233 JAPAN unknown HBC (North Island) 2/7 1128 instrumental mx, 1129 male and female annrcs w/talk o/piano mx. (Vernon)
- 1242 UNID TP 0825 2/7 noted woman talking in what sounded like JJ, but too weak to be sure. Looped NE Asia, maybe JOLF. (Tomer)
- 1269 JAPAN JOHW (HBC) Obihiro 2/7 1116 male and female annrc //1287.
- 1278 JAPAN unk, HBC (North Island) 2/7 1136 talk with no mx backing, 1138+ male and female annrc. (Vernon, last two)
- 1287 JAPAN JOHR (HBC) Sapporo 2/7 1116 male and female annrc //1269. 1128 instrumental mx //1233 except there was talk o/mx on this frequency. 1136 instrumental mx not //1278, 1138+ two males and female annrc //1278 at that time. 1142, same 2 males and female annrc //1449 kHz. Obviously the same pgm was on 1233/1269/1278/1287/1449, but different annrcs were played during the breaks on some frequencies. HBC has a number of relays, all I believe are on the North Island. (Vernon)
- 1314 CHINA, unk, FS 2/7 1154 male in RR, then female o/Oriental guitar mx just before carrier cut at 1155. 1200 carrier on, "East is Red" IS repeated w/male and female annrcs w/brief talk between them. 1201+ female and male w/talk in RR. (Vernon)
- 1360 MEXICO XEDI Chihuahua 2/10 fair o/u KRY5 w/EE disco mx, call letter ID's and many "La Pantera" slogans 0710-0740. (Zank)
- 1375 ST. PIERRE ET MIQUELON R. France heard w/a bloop: tape or record played at slow speed, then man in FF 2306 2/7. (Connelly)
- 1391 UNID maybe a driftable Cuban? Shrieking het gainst WEGF 1390, audio garbled, loops Cuba/CA, 0512 2/11. (Connelly)
- 1404 GUINEA Conakry here w/massive OC 0634 2/10. (Connelly)
- 1413 UNID possible SS stn here in slop 0517 2/11. (Connelly)
- 1449 JAPAN JOQM Abashiri (HBC) 2/7 1144 program w/male and female annrcs w/talk, //1287. (Vernon)
- 1458 ENGLAND BBC R. Manchester 1/30 0625+ //Radio Two, 0629 s/on w/ Peter Sherratt, "Up and About" for 3 1/2 hours, SID then mx at 0630. Xlnt sig, lost in mix though by 0632, another tape sent, first tape report produced zip. (Vernon)
- 1467 MONACO Monte Carlo good w/EE pgm, western US-accented preacher; WLM null'd w/phasing unit 2315 2/10. Poor w/religious vocal mx in slop 2302 2/7. (Connelly)
- 1467 PHILIPPINES FEBC 12/2 report to IDXD by me was probably Fiji, the Hindi type lang keeps fooling me, currently have visions of India when I hear it, hi! (Vernon)
- 1555 CAYMAN ISLANDS R. Cayman 1015 2/11, very good w/gospel pgm a la CLR, Paradise et al. (Straus)
- 1575 ITALY Bari 0645 2/12, male talking in II, European pop vocals, xlnt. (Straus)
- 1575 SPAIN R. Peninsular, Madrid good w/disco mx, woman in SS 0616-0625 2/10; consistant, clear signal. (DeLorenzo)
- 1584 SPAIN unk local, 1/30 0639+ SS mx ballad type, w/no annrcs between selections. Faded around 0645 but net type mx (very tinny audio) in SS w/male annrc 0646+. (Vernon)
- 1590 MEXICO Mexico DF XEVOZ 2/5 good w/opera mx 0720-0730, ID, then changed to Musica Tropical. (Zank)
- 1593 WEST GERMANY Langenberg noted poor in WQQW slop; Muzak, then woman in GG 0630 2/10. Good on peaks w/man in GG 0514 2/11. (Con)
- Bill Bailey-Holden, Mass. 2 R390A's, 2 1200' phased Beverages
- Mark Connelly-W. Yarmouth, Mass. R390A, MW1, 2 37 meter phased wires
- Marc DeLorenzo-Centerville, Mass. HQ100, SM1
- Dick Nelson-Simi Valley, Ca. R390A modified, NC400, Sanserino loop
- Elliot Straus-W. Orange, N.J. R390A, FET loop
- Randy Tomer-McKinleyville, Ca. HQ180A, FRG7, mini Beverage, MW1 loop
- Brian Vernon-Elsa, Yukon Terr. DK150A, DK160, FRG7000, miles of wire
- Dave Yocis-Fairfield, Ct. DK160, S:2
- Neil Zank-Lincoln, Neb. HQ180A, TRF (one radio per log)

CONTESTS

JOHN KROMKA
P.O. BOX 86
MONTVILLE, N.J. 07045

Well, the fifth Contest has come and gone. Some of the participants thought it to be the best Contest yet and very interesting. I've received many interesting ideas for possible Contests of next season. They're all so darn good that it's hard for me to narrow them down. For the new NRC'ers, if you participate in Contests please enclose 30¢ with your entry. Not with each entry, but the first one you submit to me. Thank you very much. An interesting range of totals in this Contest:

RESULTS OF CONTEST #5

Rank	Name	contest points
1	*Dan GRADIN.....	4385
2	*Larry VAN HORN.....	2425
3	*Mike HEPPE.....	1930
4	**Paul MOUNT.....	1645
5	Nancy HARDY.....	1340
6	Bill HARDY.....	1195
7	Bryan LEE.....	450
8	Harold COX.....	415
9	Bruce CONTI.....	195
10	Frank WHEELER.....	80
11	Walt W. SHARP.....	65

OVERALL STANDINGS

Name(s)	G.P.D. points
Mike HEPPE.....	31
Larry VAN HORN.....	27
Dan GRADIN.....	26
Paul MOUNT.....	24
Bryan LEE.....	13
Harold COX.....	11
Dan LESTER.....	7
Bill HARDY, Dave YOCIS.....	6
Ron SCHILLER.....	4

The participant who claims the most points for an individual station is Dan Gradin for his remarkable reception of WDMG-860, 5kw, in Douglas, Georgia, from his home in Oregon, entitling him to 180 points!!!!!!! I'd like to welcome Walt W. Sharp to Contests. Hope you do better next time, Walt!

CONGRATULATIONS!! TO PAUL MOUNT for winning Contest #5. In his entry to me Paul made some comments to the effect that he had done poorly in this one. I'll bet he's surprised now! You are the winner of an NRC Antenna Pattern Book. Keep it up!

An honorable mention certainly goes to Dan Gradin of Gresham, Oregon, for amassing an incredible 4385 points in the Contest. You technically are the winner and Paul Mount is actually the 4th place finisher but the rules are the rules. For the benefit of those who are not aware of it, you are not allowed to win more than one Contest in the Contest season. I thought it only fair to keep this rule so as to give eight different people an opportunity to win a Contest. If members feel otherwise, please write and air your opinions on this matter.

CONTEST #6: FULLTIME STATION SINGOFFS COUNT ONLY

Length: Mar.7-Mar.12 DEADLINE FOR ENTRIES: Mar.21
Prize: NRC Receiver Reference Manual

#6
MAR. 7-12

POINT SYSTEM: 1 point: for each station heard on a clear channel
2 points: " " " " " regional "
5 points: " " " " " graveyard "

BONUS: 50 points for each frequency with two or more signoffs heard
200 points for each frequency with five or more signoffs hrd.

CONTESTS...continued.

A fulltime station is defined as one operating until at least 2200 local time of station.

For those of you who have not as of yet participated in my Contests why not give it a go at Contest #6. As they say, "Try it, you'll like it". Boy, I'm very original aren't I, hi! Leaving this time on a more serious note, I must continue to stress the importance of getting your Contest entries to me on time. Send them out in the mail as soon as possible. You should have plenty of time. Thanks.

U.S. STATION TOTALS

STEPHEN FRANCIS

TX - 290	MI - 130	WA - 93	KS - 61	SD - 35	DC - 6
CA - 232	IL - 128	IN - 87	NM - 56	UT - 35	
NC - 211	OH - 125	AR - 86	MD - 49	ND - 30	Total as of
FL - 200	KY - 121	IA - 81	NE - 49	WY - 30	1/29/79....
GA - 185	MO - 112	OR - 81	AK - 48	NH - 28	<u>4,498</u>
PA - 180	SC - 107	CO - 73	MT - 45	HI - 25	
NY - 162	MS - 106	MA - 67	ID - 44	NV - 22	
TN - 158	WI - 104	OK - 67	CT - 39	VT - 19	
AL - 137	MN - 95	AZ - 64	NJ - 39	RI - 15	
VA - 137	LA - 94	WV - 63	ME - 37	DE - 10	

This list was compiled from the current NRC Domestic Log, including the 1/29/79 updater. Construction permits were not counted, nor were three SILENT listings (1490, 1510 & 1570). The five stations licensed to cities in two different states (1110, 1300, 1450 & 1490) were counted as the state under which they're listed alphabetically for that frequency (i.e. first mentioned). WLLH-1400 was counted as two stations.

CANADIAN FARM NETWORK

A schedule of 15 weekly reports of Farm Market News from the Winnipeg Commodity Exchange is presented over the following:

560-CKNL-BC	810-CKJS-MB	1150-CKX-MB	1420-CJVR-SA
570-CKSW-SA	910-CJDV-AB	1220-CJOC-AB	1490-CJNS-SA
590-CFNL-BC	920-CFRY-MB	1240-CJNS-SA	1490-CHOA-AB
730-CKDM-MB	1050-CJNB-SA	1330-CKKR-SA	1490-CJPR-AB
800-CHAB-SA	1050-CFGP-AB	1340-CKBR-AB	

AB = Alberta, BC = British Columbia, MB = Manitoba, SA = Saskatchewan
Submitted by Brian Vernon.

Some Odds and Ends...

about WOI and WOI-FM. First some good news. The results of surveys taken last spring of public radio listening nationwide are available at last, and once again WOI-AM ranks among the most-listened-to public stations in the United States. We're in the number 16 position this time, behind stations in such places as New York City, Los Angeles, Chicago, and Detroit, but ahead of stations in Cincinnati, St. Louis, Pittsburgh, and Portland, Oregon. WOI-AM is heard by about 65,000 different people at least once each week. WOI-FM is heard by about 17,000. Not bad, but we have plans to do better.

Glenn Hauser

A Distinguished Station
With
Distinguished Call Letters

NEW BRITAIN • HARTFORD

It's

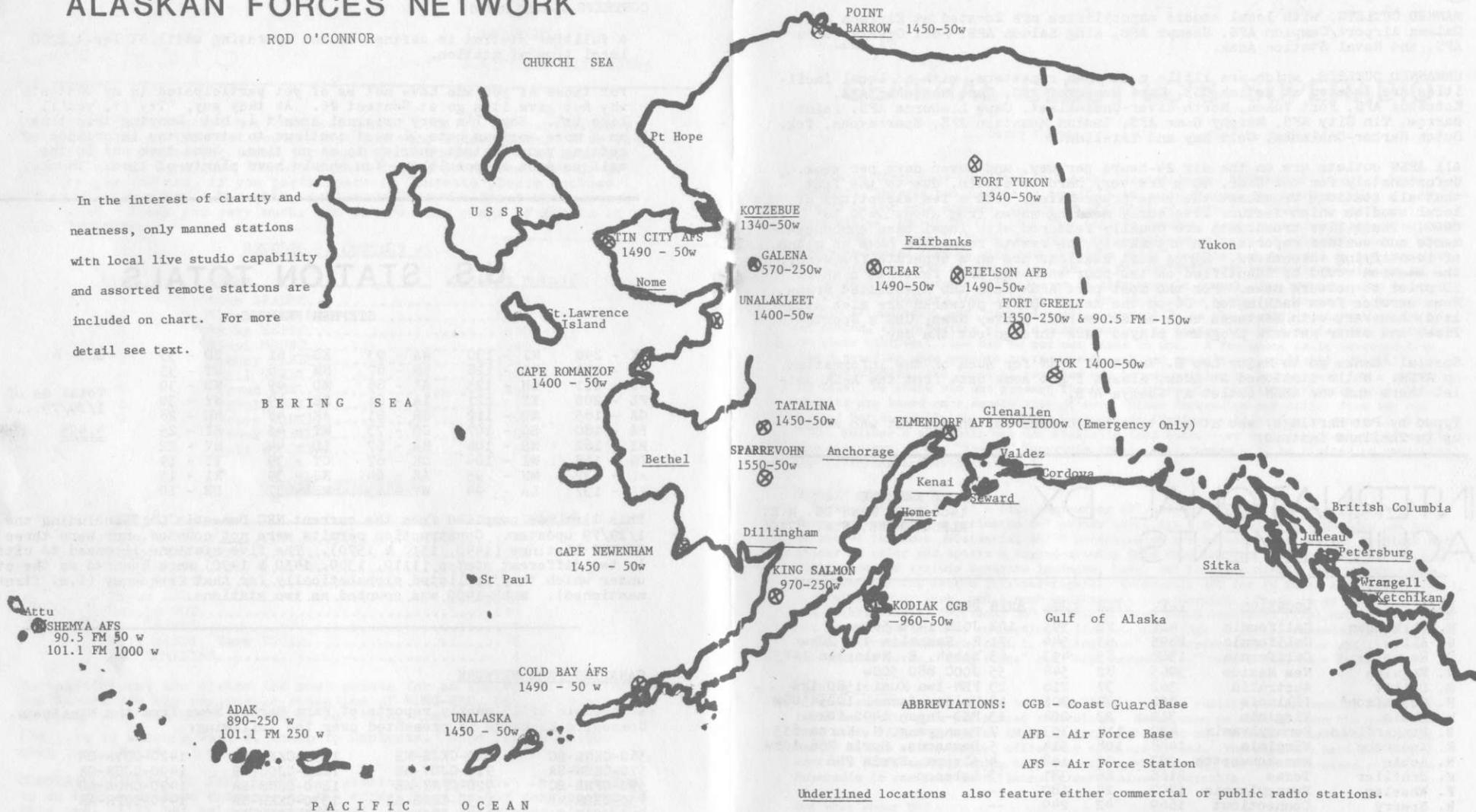
WNBC
(NBC Blue Network)

Via John D. Bowker

ALASKAN FORCES NETWORK

ROD O'CONNOR

In the interest of clarity and neatness, only manned stations with local live studio capability and assorted remote stations are included on chart. For more detail see text.



The Alaskan Forces Satellite Network (AFSN) is the oldest military network run by the American Forces Radio and Television Network. AFSN began back in late 1941 when American sailors and soldiers assembled a low-powered radio transmitter at Kodiak Island. Today, the network has grown to be the largest in the world, in terms of the number of outlets, now fifty-one.

All American Forces Radio outlets in Alaska, both AM and FM, are affiliated with the AFSN. Responsibility for the operation of AFSN is delegated to the Alaskan Air Command, U.S. Air Force. The 5049th Broadcasting Squadron (5049 BCS), the managerial agency, is a tri-service organization which reports to the Commander, Alaskan Air Command, through the Director of Information.

Within AFSN are three types of radio outlets: 1) Manned outlets which carry network programming, have capabilities to originate local studio programming, and transmit a signal for reception at the installation served. 2) Unmanned transmitters, which carry only network programming originated at AFSN studios at Elmendorf Air Force Base near Anchorage. 3) Unmanned audio distribution systems which carry only network programming fed from Elmendorf AFB, and are heard by assigned personnel thru public address systems, or other closed circuit means. Since these units involve no radiating transmitters, they will not be discussed any further in this article.

An Elmendorf AFB studio location comprises the AFSN Network headquarters and feeds network programming to all stations via a combination of telephone land-lines; tropospheric-scatter systems, and satellite facilities. Elmendorf AFB also retains an emergency transmitter for emergency use on 890 kHz.

MANNED OUTLETS, with local studio capabilities are located at Eielson AFB, Galena Airport/Camp AFS, Shemya AFB, King Salmon AFB, Fort Greely, Clear AFS, and Naval Station Adak.

UNMANNED OUTLETS, which are little more than repeaters, with no local facilities are located at Kodiak CGB, Cape Romanzof AFS, Cape Newenham AFS, Kotzebue AFS, Fort Yukon, North River-Unalakleet, Cape Lisburne AFS, Point Barrow, Tin City AFS, Murphy Dome AFS, Indian Mountain AFS, Sparrevohn, Tok, Dutch Harbor-Unalaska, Cold Bay and Tatalina.

All AFSN outlets are on the air 24-hours per day, and seven days per week. Unfortunately for the DXer, ID's are very hard to obtain, due to the fact that all stations broadcast the same programming, with a few exceptions of local studios which feature live early morning shows from about 0600 to 0900. These live broadcasts are usually featured with local base announcements and weather reports. Unfortunately the remote repeaters have no means of identifying themselves. Since most stations are on a separate frequency, the station could be identified on the hour when the AFSN features a short ID prior to network news. For the most part AFSN uses the Associated Press News service from Washington, DC on the hour. Other networks are also utilized, however, with features such as ABC's Paul Harvey News; CBS's Sports-Time; and other network programs played back through-out the day.

Special thanks go to Major Leo E. Vrana of AFSN for much of the information on AFSN. While stationed at Adak, Alaska I got some data from the AFSN outlet there and the AFSN outlet at Shemya AFB.

Typed by Pat Hartlage, who at one time had orders for Shemya but who wound up in Thailand instead!

INTERNATIONAL DX ACHIEVEMENTS

NORM MAGUIRE
1406 BRYN MAWR DR. N.E.
ALBUQUERQUE, N.M. 87106

DXer	Location	T.V.	CTYS	FOR.	Asia	Best
H. Wilkinson	California	421	72	395	102	JOID 1470 500w
G. Allen	California	2895	65	544	71	R. Sakhalin 973 20kw
D. Reynolds	California	1368	85	493	63	Sabah, E. Malaysia 1475
N. Maguire	New Mexico	3065	82	548	55	JOOC 880 500w
S. Dellit	Australia	362	37	218	23	FEN-Iwa Kuni 1580 1kw
H. Gustafson*	Illinois	851	107	305	13	Haifa, Israel 1025 500w
W. Powis	Virginia	312	23	208	13	FEB-Japan 1490 10kw
B. Dangerfield	Pennsylvania	430	117	353	7	Pyongyang, N. Korea 655
R. Anderson	Virginia	1448	108	514	5	Damascus, Syria 786 10kw
H. Robie	Massachusetts	263	90	148	4	Aleppa, Syria 746
R. Schiller	Texas	2166	86	381	3	Lebanon
F. Wheeler	Pennsylvania	1707	24	189	--	
R. Sperry	Connecticut	1669	42	249	--	
A. Rugg	Quebec	1479	60	1277	--	
R. Eddie	Missouri	1028	15	55	--	
R. Carr	Texas	785	30	119	--	
R. Leamy	Ohio	317	48	116	--	
K. Rychalsky	Connecticut	260	12	48	--	
Paul Mount	Ohio	225	6	25	--	
P. Swearingen	Kansas	71	15	43	--	

Welcome to Paul Swearingen. Hope that your totals may climb rapidly. See many NRCers still lack Asia. For those on the East Coast, the Middle East countries are your best bet. Sorry about the delay in this column, but my eyesight on one overworked eye is far from best. Next time, Africa totals and best verie from that continent. Again, invite all you NRCers to join or rejoin this column. We used to have over 50 members listed in the above statistics. You need only to update your standings twice a year. Good health and good DX. Hasta temprano,



GENERAL ELECTRIC'S SUPERADIO

Gerry Thomas

Charlie Barfield

When we first read the flyer on General Electric's new "SUPERADIO" (model 7-2880), we thought, "This is too good to be true!" Here, according to the brochure, was a radio designed to not only produce "extraordinary" quality audio from "favorite stations in distant cities" (hi-fi DX??!), but also pull in "weaker, hard-to-receive stations adjacent to strong stations." These were not just casual marketing catch phrases either. The brochure backed them up with mentions of a 7-7/8" ferrite rod antenna, an air-gap variable capacitor, TRF stages on both AM and FM, and 4 (four!) tuned IF circuits on AM (3 on FM plus a ceramic filter). As if this weren't enough, the brochure also boasted of a 6-1/2" speaker, 460(!) hours on a set of alkaline batteries, separate bass and treble AF controls, and "careful quality control." As the opening paragraph of the flyer stated, the objective of GE's engineers was to design the best performance portable in their history....we had to get our hands on one. A few phone calls revealed that the Superadios were enroute to the warehouses and weren't yet available. Luckily, Mr. Ray Douglas, the local GE rep, had one he was willing to let us test for a couple of days. We thank him and present the following results. (Please realize that these results are based on a sample size of one. Other Superadios may differ from the one tested but hopefully the following performance findings will be fairly generalizable. Also, because a schematic was not available (and because we were reluctant to dismantle the circuitry of our "loaner" Superadio (hi)), this review will be limited to operating and performance considerations.)

Outward appearances

First impression? It's Big. Measuring 12" wide by 10-1/2" high (handle up) by 4" deep and weighing an estimated 6-7 pounds (with its 6 D-cells), the Superadio has to be one of the more substantial AM/FM portables on the market. Its cabinet is black and silver in color and sports a rugged-seeming fold-down handle. All controls are on the right side and include separate loudness, bass, and treble controls (all rotary pots), an AM/FM selector switch (flipper-toggle), defeatable AFC for FM (also a flipper-toggle), a vernier tuning knob, and a push-on/push-off power switch. There is an earphone jack and a collapsible, fold-down 38" FM whip antenna (with insulated grip) but no provision for an external antenna connection. Also eye-catching: a large, expanded steel speaker grill; a frequency scale that is "tilted back" for easier table-top readability; and the musical words, "long range" and "high selectivity" on the dial face (ahhh).

Turning it on

For a second we thought we had a Wurlitzer. Audio quality was astounding for a portable and audio gain was almost ridiculous. Never were we able to open the gain control above 1/3 on a daytime AM or FM local (at least not in an enclosed area)....this has to be one of the higher efficiency speakers around. The separate bass and treble controls allow audio shaping to taste and, combined with its juke box-sized sound, the Superadio is one excellent listening/entertainment portable.

But what about DX?

Since the Realistic TRF has become the standard of comparison for portable MW DX, we spent a few hours comparing the TRF and Superadio in side-by-side tests.

Sensitivity....

Differentiating sensitivity from audio gain in simple listening tests is always a little tricky. With its 4 IF's and audio output the Superadio certainly gave the impression of being much "hotter" than the TRF, but real differences in pure sensitivity were less overwhelming. Sunset skip did occur a minute or two earlier on the GE but daytime DX produced nothing on the GE that wasn't also audible on the TRF. Like the TRF, the sensitivity of the Superadio below about 600 kHz was poor. Nonetheless, the edge in sensitivity has to go to the GE.

Selectivity....

This comparison was very interesting due to the fact that the two radios use different methods of attaining selectivity. The TRF's 2-IF plus single tuned crystal system produced a narrow-nosed, broad-skirted passband, whereas the GE's 4-IF circuit resulted in a broader-nosed, but steeper-skirted passband. The performance results of this were that the TRF tended to give slightly cleaner split frequency (i.e., foreign) reception while the GE tended to better reject strong splash that was originating at

ST. LOUIS - LABOR DAY !!!!!

least 10 kHz distant (i.e., domestic channels). As an example of the latter condition, distant WFLA-970 can be heard during daylight next to WBOP-980 (a moderately strong local) on the TRF only if the TRF is positioned to null WBOP. Rotating the TRF out of its null results in intelligible WBOP audio. The Superadio, on the other hand, need not be rotated to null the local in order to hear distant WFLA. Interference from WBOP is still present but is at a lower level and is unintelligible. It seems as though the GE's passband has a superior shape factor but its width is designed for domestic (i.e., 10 kHz separation) selectivity and for optimal fidelity. As a result, the TRF's narrower peak performs better on most splits despite its less selective, broader skirts. This is not to say that the GE is incapable of split-frequency reception, far from it. Every split that was audible on the TRF was also audible on the GE albeit at a slightly reduced quality. The selectivity question, then, is just about a toss-up---the GE seems a little better for domestic DX, the TRF for foreign splits.

Frequency read-out....

Like the TRF, frequency read-out is poor on the GE. Unlike the TRF, a fairly high resolution logging scale is provided on the GE which, by means of a self-constructed conversion chart, can easily provide 10 kHz determinations (parallax error is insignificant). For those who like re-calibrated custom dials, the Superadio appears to be a far simpler project than was the TRF (e.g., easier access scale, 5-1/2" scale as opposed to the TRF's 3-1/2" dial, etc.).

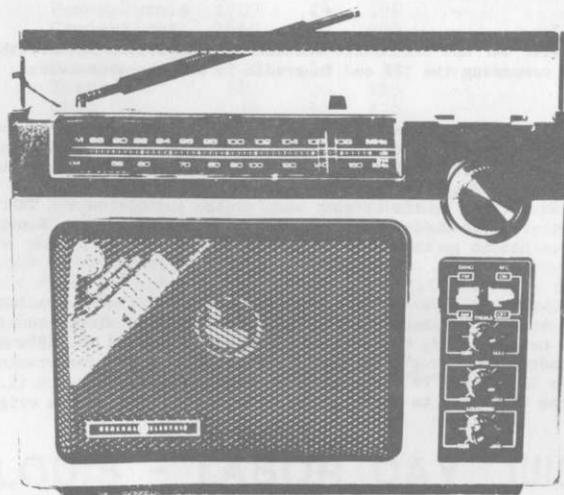
FM performance....

Neither of the authors feels qualified to make definitive statements regarding the FM section of the Superadio. Our impression, however, is that the GE's FM performance is very good. Apparently the TRF circuit in the FM section is responsible for our stronger locals appearing only on their designated frequencies (and not all over the band) and for the establishment of several New Orleans stations (about 175 miles to the west) as new "locals" here. A more intelligent evaluation of the FM performance of the Superadio is needed.

Some closing thoughts

The new GE Superadio has a lot going for it. Besides being a capable MW DX device, it also provides excellent audio fidelity (hearing distant clear channel stations in hi-fi is a disarming experience) and an FM section that also appears to be DX-able. Its principal drawback, from a DX'er's standpoint, probably is its weight. A few minutes of tilting and rotating to null and peak stations gives the impression that the Superadio is gaining weight by the minute. A rotatable external antenna (like the Panasonic RF-2200) would have been nice, but a turntable contraption could be rigged to reduce arm-weariness. The only other thing that might be considered a shortcoming is the lack of an external antenna terminal. However, any number of plans for external antenna coupling are in the DX literature so this is a minor complaint.

All in all, GE's new Superadio fills a niche in the market and, at a list price of "about \$72," does it quite reasonably.



VERIFICATION GAME

RON B. SCHILLER
7657 LA Balsa DRIVE
DALLAS, TEXAS 75248

Thanks to those who sent helpful info and additional prepared cards. Here's an additional list of NEW holdouts:

590	KGRS (3) MH	1230	WTH (3) RA	1520	KACY (3) MH
	KTSA (3) MH	1260	KYA (5) MH		WTR (3) RA
590	WARM (4) RA	1270	KDJI (3) MH	1550	WDLR (4) RA
	WROW (3) RA	1310	WLOB (6) RA		WIRV (3) RA
610	KOSR (3) MH	1320	KAVI (3) MH	1590	KRAD (3) NZ
750	WBMD (3) RA	1370	KSHY (3) MH		WGOE (6) RA
850	WKIX (3) RA	1380	KMUS (3) MH	1600	WKDL (3) MH
860	KONO (3) RA	1390	WEAM (5) RA		WUNR (3) RA
900	KBIF (4) RW	1430	KRGI (3) MH		
	KPLP (3) MH	1450	KRZY (3) MH		
960	WERC (3) RA		WPPG (3) RA		ANY help will be appreciated!!
970	KAKC (3) MH	1470	WJDY (3) RA		
1170	WBRW (3) RA	1480	KBOX (3) MH		
	WHLW (3) RA	1510	WJIC (3) RA		
			WAHT (3) RA		

Verie Signers for some previous holdouts: (Initials=holdout reporter)

540	KNOE	Bill Murvin, PD (f)	NZ	1370	Bob Wicks, PD, E (TABD)	MH
590	KID	Carrol Secrist, CE	RW	1370	WFEA P. Barnette, CE	NS
610	WSSN	J. Jeffries, PD	SP		CJWW H. Triffon	NZ
810	WBDO	Thomas Edwards, OpD	KA	1380	WYMK A.R. Petty, SuE	RW
850	KTAC	Randy Ragsley, CE	RW	1390	KCBC R.S. Brown, CE	MH
870	WGTL	J. Covington, Jr.-A	RC	1400	KXIV Cliff Reno, E	RW
880	KRVN	R.J. Bittner, CE(p)	SP	1420	KXOW D.R. McLellan	NZ
900	WATC	R.A. Stuterman, CE	MH	1430	KLO Rex Greenwell, CE	MH, RW
	KBIF	E. Dean, PD	RW		KTYN Jim Rufus, CE	MH
910	KJJJ	L. Burke	RW	1440	WODL W.J. Kramer, TD	PM
920	KXLY	L. LaCombe, Opns.	NZ	1450	WFTT D. Richards, E	RC, DS
930	NSEV	A.T. Henderson, CE	NZ	1470	KLCL Dale Mann, PD	KJ
	KENQ	S. Roberts, E	RW	1480	KLEO T. Mitchell	RC, RW
960	KAYK	B. Harding, CE	RW		WYZE R.L. Leake, CE	DS
970	KSYL	D. Wineland, PD	RS		WRDW R. Jones	KA, RA
1020	WPEC	R. Billiter, PD	NZ	1490	WXIT W. Joseph, CE	DS, KJ
1050	KAMA	Angel Rojas H.	MH		KTRT R.M. McKune, P	KJ
	KRSP	R.J. Carlson, GM	RW	1500	WTOP G.Klink, CE	NS
1070	WQIR	David Scessler, CE	NZ	1530	WCRJ Tim Coleman, CE	DS
	WAPI	G. Sanders, PD	KA	1550	WNTN Robt. Wolf, CE	ES
1080	WPOK	M. Harringer	NZ	1560	KLTI K. Kellogg, ComM	RC, NZ
	KWJJ	J. Kennedy	RW		KEVIP K. Loretta	RC
1120	KPNW	A.E. Mulder, E	RW	1570	KNDY H. Hoeflicker, GM	KJ
1150	WGOV	u/a (QSL)	MH	1580	KRZI H. Harding, GM	RC
1240	KROY	Terry Nelson, PD	RW		KDAY Andy Laird, CE	NZ, RW
1260	WTJH	Wm. J. Hill, CE	NZ		WOLS Chas. Parrish, P	NZ
1350	KIDN	Albert Meija, CE	RW		KPIK G. James, CE	NZ
	WHNE	Lynn Gessner, CE	ES, DS		KZIA John Deme	NZ

VERIE TIP: I thought a note on "verification strategy" might be of interest. My own method is to (1) report the station as SOON after I hear them, as possible....within a couple of days, if at all possible. Stale reports don't help your chances of obtaining a verie. I TYPE ALL reports and make two carbons from my original. After 2-3 months if the station hasn't answered, I sent a follow-up (the carbon) with a small note either ON or WITH it. If that doesn't work, I take my second carbon, 2-3 months later and make a xerox copy of it and send another follow-up, along with a prepared card all ready for signature & return. If that fails, I keep sending more follow-ups with prepared cards, but usually at longer intervals. Unless I have a specific signer, I send the first report to the GM, second to the CE, third to the PD. Sometimes juggle those first two, seeming to get about equal results out of reporting to the GM as to the CE.

RADIO SPORTS UPDATERS

"ATLANTIC COAST CONFERENCE" UPDATER -- Bill Hardy

Make the following corrections to the "ACC Radio Network" list on page 2 of the 12/4/78 DXN:

- CLEMSON: Spartanburg call is WKDY -- Toccoa, GA, WLET is on 1420.
- DUKE: Wilmington, NC, WHSL-FM is on 97.3; it is not an AM station.
- NORTH CAROLINA: Lumberton call is WTSE.
- N.C. STATE: Listing for "Roanoke Rapids" should be for Weldon (WSMY-1400).
- MARYLAND: Cumberland, MD, call is WCMD -- Oakland, MD, WMSG is on 1050.
- VIRGINIA: Farmville call is WFLO -- listing for "Norfolk" should be for Portsmouth (WHNE-1350) -- Pulaski calls are WPUV-AM-FM.
- WAKE FOREST: Listing for "Asheboro" should be for Ashboro (WZOO-710); Asheboro is a different community -- Beaufort call is WBMA -- Burnsville, WKYK is on 940 -- Valdese call is WSVM -- Winston-Salem, delete "FM" from call; WSJS-600 is on AM.

BASEBALL: NATIONAL LEAGUE FLAGSHIPS FOR 1979

(Courtesy of National League headquarters)

Atlanta Braves	WSB---750	New York Mets	WMCA--570
Chicago Cubs	WGN---720	Philadelphia Phillies	KY--1060
Cincinnati Reds	WLW---700	Pittsburgh Pirates	KDKA-1020
Houston Astros	KPRC--950	St. Louis Cardinals	KMOX-1120
Los Angeles Dodgers (EE)	KABC--790	San Diego Padres	(EE) <u>KFMB--760</u>
	(SS) ? ? ? ? †		(SS) <u>XEXX-1420†</u>
Montreal Expos	(EE) CFCF--600	San Francisco Giants	<u>KNBR--680</u>
	(FF) CKAC--730		Changes from 1978 are <u>underlined</u> .

† National League office lists XEGM-950 for Dodgers games in SS. However, XEGM has been denied FCC permission for live broadcasting from locations within the U.S. and did not carry the Dodgers play-off and World Series games last October, so this matter may still be up in the air.

‡ XEXX-1420 will carry only Padres games played in San Diego or Los Angeles.

As of this writing, we have not received a similar flagship listing from the American League; however, we do know that the Baltimore Orioles are moving from WBAL-1090 to WCBM-680 starting in 1979. --BH.

WORLD HOCKEY ASSOCIATION (W.H.A.) -- 1978-79 radio coverage

(Compiled by Tim Cronin courtesy of IRCA -- typed for NRC by Bill Hardy)

- BIRMINGHAM BULLS -- Eli Gold, play-by-play (pbp)
- 1070 WAPI-AL 1240 WARP-AL 1320 WAGF-AL 1460 WFMH-AL+
- 1230 WNUZ-AL 1280 WNPT-AL 1400 WJHO-AL (plus 3 other FM's)
- CINCINNATI STINGERS -- 700 WLW-OH (no network) -- Dick Carlson, pbp
- EDMONTON OILERS -- 1260 CFRN-AB (net unknown) -- Rod Phillips, pbp
- INDIANAPOLIS RACERS -- (team disbanded after 25 games - was on WIBC-1070)
- NEW ENGLAND WHALERS -- 1080 WTIC-CT (no network) -- Bob Neumeier (pbp), Larry Pleau (color for all home & some away games)

- QUEBEC NORDIQUES -- No English broadcasts to our knowledge
- French: Michel Villeneuve and Andre Cote
- 1240 CJAF-QU 1310 CHGB-QU 1400 CJFP-QU 1460 CKRB-QU
- CIRB-QU 1350 CHAL-QU 1420 CJMT-QU (no FM's)
- 1280 CKCV-QU (Quebec French list courtesy of Dan Sys, IRCA/GWDXA)
- WINNIPEG JETS -- 680 CJOB-ME (net unknown) -- Ken Nicolson, pbp
- (Note: Winnipeg network two seasons ago was CJOB-680, CPOB-800, CHSM-1250, and one FM. CPOB is Ontario; others are Manitoba.
- Of course, this network may not be the same this year.)

With the WHA now down to six teams, WHA officials are likely to talk "merger" with the larger National Hockey League, so 1978-79 could possibly be the final WHA season. Will it happen? Tune in next October.....BH.

VERIE GAME CONTRIBUTORS...from preceeding page

WH Wayne Heinan, Colo.	KJ Karl Jeter, Ga.
BL Bill Lackey, Tex.	MM Marty Wright, Ill.
LR Lawrence Rubin, NY	KA Kelly Andrews, Va.
RP Richard Pistek, Ill.	NZ Neil Zank, Hebr.
SP Steve Ponder, Tex./Colo.	WS Wm. Schackner, Ct.
RAW Richard Wright, Cal.	PM Paul Mount, Ohio
KR Kon Rychalsky, Conn.	RT Robert Wein, Cal.
BV Brian Vernon, YT	RC Rick Carr, Tex.
RA Ray Arruda, Mass.	

GRAVEYARD DX ACHIEVEMENTS

BILL HALE
1451-B FAITH DRIVE
RANTOUL, ILL. 61866

Let's march into March and take a look at the Graveyard Achievements for 1240 khz. News-wise, Bryan Lee reports WILLI-1400 is seeking to go 1 Kw at night. Seems people are complaining about their nighttime coverage. Most GY'ers are only good for about 10-12 miles at night anyway. There are a few that do better, but can't expect much better with 250 watts, usually 1/4 wave-length antennas, and less than adequate ground systems. There are some GY stations with their antennas on buildings in a downtown area with NO ground systems at all. Some nice catches by Morris Sorensen, our man in Leaf Rapids/ God's Narrows, Manitoba. Also new reports this month from Paul Mount, Bruce Conti and Pete Taylor of San Francisco, who sends in catches from all over. Lets get on to the goodies.....

1240-pre 1960

Distance	DXer and Location	Station and Location
2530	Gene ALLEN Vallejo CA	WCBM Cambridge MD
2510	Gene ALLEN Vallejo CA	WINK Ft Myers FL
2500	Stan MORSS Bradford MA	KPPC Pasadena CA
2400	Norm MAGUIRE E. Hartford CT	KSON San Diego CA
2400	Stan MORSS Bradford MA	KRNO San Bernardino CA
2300	Norm MAGUIRE Albuquerque NM	CJRW Summerside PEI
2240	Hank HOLBROOK Chevy Chase MD	KRNO San Bernardino CA
2120	Frank WHEELER Erie PA	KPPC Pasadena CA
1910	Hank HOLBROOK Chevy Chase MD	KWJB Globe AZ
1370	Don KASKEY Galva IA	KROY Sacramento CA
1355	Don KASKEY Galva IA	KSON San Diego CA
1350	Ralph SPERRY Fairfield CT	KIUL Garden City KS
1335	Frank WHEELER Erie PA	KCRJ Trinidad CO
950	Ralph SPERRY Fairfield CT	WMMB Melbourne FL
900	Pete TAYLOR Miami FL	WINN Louisville KY
800	Pete TAYLOR Miami FL	WKDA Nashville TN
500	Pete TAYLOR Durham NC	WMMB Melbourne FL
400	Pete TAYLOR Durham NC	WKOY Wheeling WV
200	Pete TAYLOR Chattanooga TN	WSYD Mt Airy NC

1240-post 1960

1615	Mike HEPPE Houston MS	KMCL McCall ID
1260	Stephen McIntire Des Moines IA	KTIX Pendleton OR
1160	Andy RUGG Montreal PQ	WFOY St Augustine FL
1160	Bruce CONTI W. Warwick RI	WEBJ Brewton AL
1050	Ron SCHILLER Monmouth Bch NJ	WINK Ft Myers FL
1040	Dave WHATMOUGH Hamilton ON	KCCR Pierre SD
1020	Rick CARR Bloomington IL	KBMY Billings MT
1005	Ernie COOPER Provincetown MA	WTAX Springfield IL
1000	Jerry STARR Hubbard OH	KCCR Pierre SD
945	Morris SORENSEN God's Narrows Man	CKLS La Sarre PQ
945	Morris SORENSEN God's Narrows Man	CJWA Wawa ON
925	Andy RUGG Montreal PQ	WKDA Nashville TN
910	Rick CARR Bloomington IL	KSLV Monte Vista CO
910	Robert WIEN San Jose CA	KBMY Billings MT
900	Bill HALE Mountain Home ID	KADS Elk City OK
890	Ernie COOPER Provincetown MA	WWNS Statesboro GA
880	Jerry STARR Hubbard OH	WMMB Melbourne FL
875	Dan PHILLIPS Talladega AL	KAKE Wichita KS
870	Russ EDMUNDS Parsippany NJ	WFOY St Augustine FL
860	Alan IMPRESZIA New York NY	WFOY St Augustine FL
835	Don DAVIS Warner Robins GA	KAKE Wichita KS
835	Bill LACKEY Kingsville TX	WEKR Fayetteville TN
835	Tom SUNDSTROM Willingboro NJ	WFOY St Augustine FL
825	Russ EDMUNDS Little Silver NJ	WTAX Springfield IL
805	Stephen McIntire Des Moines IA	WIST Charlotte NC
800	Rich EDDIE St Louis MO	WCNC Elizabeth City NC
790	Gene NIX Billings MT	KROY Sacramento CA
780	Harry HAYES Gouldsboro PA	WENK Union City TN
765	Jeff FALCONER Clinton ON	WWNS Statesboro GA
760	Rich EDDIE St Louis MO	WGVA Geneva NY
755	Robert WIEN San Jose CA	XECG Nogales SON
740	Dave SCHMIDT New Castle DE	WFOY St Augustine FL

740 Jeff FALCONER Clinton ON
 725 Forest OSBORN Hooker OK
 720 Alan IMPRESCIA New York NJ
 700 Nancy HARDY Aberdeen WA
 700 Bill HARDY Aberdeen WA
 700 Bill LACKEY Kingsville TX
 700 Paul MOUNT Teaneck NJ
 690 Nancy HARDY Aberdeen WA
 690 Bill HARDY Aberdeen WA
 670 Tom SUNDSTROM Stockton NJ
 660 Dave WHATMOUGH Hamilton ON
 655 Gary ATKINS Louisville KY
 650 Dave WHATMOUGH Hamilton ON
 630 Forest OSBORN Hooker OK
 630 Dan PHILLIPS Clinton TN
 600 Tim KERFOOT Weston ON
 585 Don DAVIS Warner Robins GA
 535 Jeff KOSNETT Charleston WV
 535 Ron MUSCO Windsor CT
 525 Karl JETER Atlanta GA
 525 Tim KERFOOT Weston ON
 495 Brett HANAVAN Chula Vista CA
 490 Mike HEPPE Houston MS
 480 Don DAVIS Warner Robins GA
 470 Gary ATKINS Louisville KY
 465 Gene NIX Billings MT
 460 Karl JETER Atlanta GA
 450 Paul MOUNT Teaneck NJ
 450 Frank DAILEY Preston CT
 415 Bruce WINKLEMAN Greensboro NC
 410 Harry HAYES Gouldsboro PA
 400 Jeff KOSNETT Charleston WV
 390 Larry VAN HORN Millington TN
 375 Bruce CONTI W. Warwick RI
 360 Stephen PONDER Ft Worth TX
 360 Bob WESSOLOWSKI Milwaukee WI
 360 Bruce WINKLEMAN Greensboro NC
 360 Bill HALE Ft Walton Bch FL
 355 Dave SCHMIDT New Castle DE
 340 Pat HARTLAGE Louisville KY
 320 Ron MUSCO Windsor CT
 320 Paul SWEARINGEN Moran KS
 310 Paul MOUNT Nelsonville OH
 305 Pat HARTLAGE Louisville KY
 275 Mark CONNELLY Shag Harbour NS
 270 Larry VAN HORN Millington TN
 265 John BOWKER Valparaiso IN
 220 Paul MOUNT Nelsonville OH
 175 Bryan LEE Brooklyn CT
 165 Stephen PONDER Ft Worth TX
 150 Frank DAILEY Preston CT
 125 Bryan LEE Brooklyn CT
 105 Don DAVIS Warner Robins GA
 100 Pete TAYLOR San Francisco CA
 85 Brett HANAVAN Chula Vista CA
 50 John BOWKER Valparaiso IN

WBML Macon GA
 KBMY Billings MT
 WWNS Statesboro GA
 KTHE Thermopolis WY
 KTHE Thermopolis WY
 KAKA Wichita KS
 WWNS Statesboro GA
 KOAD Lemoore CA
 KOAD Lemoore CA
 WWNS Statesboro GA
 WEKR Fayetteville TN
 KAKE Wichita KS
 WLAS La Grange GA
 WTAX Springfield IL
 Civil Defense Phila. PA
 WBIR Knoxville TN
 WTAX Springfield IL
 WPAX Thomasville GA
 CJRW Summerside PEI
 KURG Arkadelphia AR
 WINN Louisville KY
 KROY Sacramento CA
 WKOY Bluefield WV
 WCNC Elizabeth City NC
 WBHB Fitzgerald GA
 KELK Elko NV
 WMMB Melbourne FL
 CFSL Levis PQ
 WCNC Elizabeth City NC
 WBAX Wilkes-Barre PA
 WRNC Raleigh NC
 WBML Macon GA
 KANE New Iberia LA
 CFSL Levis PQ
 KCLV Clovis NM
 WINN Louisville KY
 WINN Louisville KY
 WINK Ft Myers FL
 WSKI Montpelier VT
 WIST Charlotte NC
 WSSV Petersburg VA
 WTAX Springfield IL
 WKDK Newberry SC
 WROV Roanoke VA
 WOGB W. Yarmouth MA
 WPAX Thomasville GA
 WINN Louisville KY
 WJTN Jamestown NY
 WCOU Lewiston ME
 KTAM Bryan TX
 WCOU Lewiston ME
 WWDW Schnectady NY
 WWNS Statesboro GA
 KROY Sacramento CA
 KBON San Bernardino CA
 WEDC
 WCRW Chicago
 WSBC

That's it for this go-round, gang. Deadline for 1940 coming up in April is March 26. Good DXing to all. 73.

ANARC CONVENTION 1979

The 1979 Association of North American Radio Clubs (ANARC) Superconvention will be held in Minneapolis, Minnesota on June 22-23-24. A full, all-wave agenda is being scheduled and participation is expected from manufacturers and international broadcasters. A more detailed list of convention activities will be released soon. For more information, send a large self-addressed, stamped envelope to: Association of North American Radio Clubs, 1979 Convention Committee, 3320 Grand Avenue South #305, Minneapolis, Minnesota 55408.

DXCHANGE

RUSS EDMUNDS
 P.O. BOX 127
 BOONTON, N.J. 07005

Greetings and welcome to another DXChange! As has hopefully already been noted, all items which are applicable in this and the previous two editions of DXC have appeared free of charge in the "Ham Ad Sheets", published locally. (Fred Lampert WA2DFC, 83 Haycock Ave., Riverdale, NJ 07457). Also, all senders of those ads have received copies of the publication. These freebies terminate 3/1, hi. Now on to business:

FOR SALE :

(receivers)

REALISTIC DX-160 in good cx, w/ "Duofone" mono/stereo phones included. \$50 or best offer. Postage extra. (Mark Stirckert, 5175 N. Kenmore, #302, Chicago, IL 60660 - (312) 561-3249 after 7 pm EST)

DRAKE SPR-4, late model w/ many extra crystals incl. all amateur and tropical bands. In exc. cx. \$450. (Douglass Allen, W2CRS, 64 Jefferson House, 15 Lafayette St., Schenectady, NY 12305)

REALISTIC DX-160, brand new, in unopened original box. \$150. (Allen)

ZENITH TRANSOCEANIC. An oldie but goodie in very good cx. \$35. (Allen)

COLLINS R-390A/URR, complete w/ all manuals \$375 plus postage. (Glenn Jacobs, K3WEI, RD 1, Box 354-A, Moscow, PA 18444 - (717) 842-8245)

(accessories)

HEATHKIT Q-MULTIPLIER \$10. (Allen)

DUMONT # 304 H scope w/ P-7 phosphor. \$125 plus postage (Jacobs)

SKL VARIABLE HIGH/LOW AUDIO FILTER, w/ manual. \$125 plus postage. (Jacobs)

RUSTRAK STRIP CHART RECORDER - New, rack-mounted w/ controller, extra paper rolls. Gears suitable for ECB work. \$175 plus postage (Jacobs)

BC-221 FREQUENCY METER, w/ calibration charts, mint cx. \$100 plus postage (Jacobs)

(ham gear)

ATLAS 180 TRANSCEIVER, 160-20 m. \$400. (Allen)

(miscellaneous)

REALISTIC "DUOFONE" headset. Adjustable mono/stereo. 1/4" phone plug. Used twice. \$4 postpaid. Adaptor to 1/8" plug 40¢ extra. (Strickert)

CASSETTES - Box of 20 C-60's, used but quite re-usable for IDs and voice. \$9 ppd. (Strickert)

IRCA FOREIGN LOGS: Vol. 1-4 \$2 ea.; Vols. 5-6 \$3 ea. Both 5 & 6 - \$5; 1-4 for \$6. All 6 for \$10. Each in like-new cx despite moderate thumbing. (Eric Fader, 25-35 Bell Blvd., Bayside, NY 11360)

WANTED:

ANTENNA - SM2, Dymek DA-5, DA7, DA100; Sanserino, NRC or similar. State make, model, age, cx, shipping info. (G. Paul Crowder, P.O. Box 40411, Nashville, TN 37204 - (615) 298-4986)

TELEX "TWINSET" Headphone, TEN-TEC "ARGONAUT"; DENTRON "SUPER-TUNER PLUS"; INLINE INSTRUMENTS Wireless Coaxial Coupler. (Allen)

That's it for now. 73's until next time, whenever I get another typer ribbon - this one's almost out!

TERMINATOR TRANSIT MECHANIX

RONALD F. SCHATZ

Part II § Tracking the Terminator

TXM calculations require the availability of reasonably accurate data on the sunrise/sunset terminator and where it happens to be located at any given time. If TXM is to be of practical use to the DX'er, the data must be obtained quickly and without a tedious, complicated hassle; yet it must also be precise and universally applicable. Any point on earth must be calculable, not just large cities with known coordinates; as it is, TXM ignores dawn and dusk times at the transmitter and receiver sites, so this is an important consideration.

The only method we know of that can be used to calculate terminator transits with the best combination of availability, ease, and accuracy is the analog method using a world globe and string. Many DX'ers are already self-taught experts at this art, who like, for example, to follow the sunrise over Europe on a winter's morning. The procedure is easy and literally takes only seconds.

In Part I of this series we advised the reader of the materials that would be required for TXM work; two of these will be needed for tracking the terminator:

- 1) A world globe. Any globe short of a toy will do to some extent, but we recommend one of at least 12 inches in diameter with every 15'th meridian marked off. They are inexpensive.
- 2) A length of string, twine, or chord of at least 12 inches in length. Avoid elastic.

The object, basically, is to stretch the string across the globe so as to represent the position of the terminator; i.e., the borderline separating the light and dark halves of the earth. Then certain conversions are made to determine when the terminator falls in that position - or the process may be reversed; i.e., where will the terminator be at a particular date and time?

Speaking of "time" - or what most languages refer to as the "hour" - there are several different kinds and varieties, and we must be familiar with them:

Local Mean Time (LMT) was the only "watch" time there was until the late 19'th Century. Every town set its chronometers to 12 noon at the exact moment the sun was most directly overhead, generally with the help of a sundial. Needless to say, every city, town, and village kept its own separate time; hardly any two places observed the same hour of the day. When it was 2:30 PM in Dallas, the local time was 2:28 in nearby Fort Worth!

As transportation and communications improved in the late 1800's, local mean time became an obvious problem, especially for the railroads, where every stop meant adjusting one's pocket watch. More coordinated systems were needed.

National Time was very popular in Europe at the turn of the Century. Each country followed the local mean time of its capital city; e.g., the time throughout France was the LMT in Paris.

Standard Time is what we all use today in our daily lives. The world is divided into 24 time zones, each 15° in width and each basing its time on the LMT of its "standard time meridian"; i.e., one exactly divisible by 15 (0°, 15°, 30°, 45°, 60°, etc.). Each zone is one hour different from its neighbour, and many have characteristic names. Here is a table of some standard time zones:

STM	Zone Name	Abb.	Typical City	Time
30°E	Eastern European Time	EET	Helsinki	1400
15°E	Central European Time	CET	Berlin, Praha	1300
0°E	Greenwich Mean Time	GMT	London	1200
60°W	Atlantic Standard Time	AST	Halifax	0800
75°W	Eastern Standard Time	EST	New York	0700
90°W	Central Standard Time	CST	St. Louis	0600
105°W	Mountain Standard Time	MST	Denver	0500
120°W	Pacific Standard Time	PST	San Francisco	0400
135°W	Yukon Standard Time	YST	Juneau	0300
150°W	Alaska/Hawaii St. Time	A/HST	Honolulu	0200
165°W	Bering Standard Time	BST	Nome	0100

Except at sea, time-zone boundaries are irregular and political. In the USA they normally follow meridians 70°, 85°, 100°, 115°, 130°, and 145°W.

The practice of advancing the time in a zone by one hour for austerity reasons, especially in summer, has been a widespread practice since 1916. It was called "War Time" in North America during World War II, but otherwise has been referred to as "Summer Time" or "Daylight-Savings Time" in various countries.

Coordinated Universal Time (UTC) is the official time of the entire world. It is based on the Prime Meridian (0°) and is therefore equivalent to Greenwich Mean Time (GMT). While it will never replace Standard Time, it will continue to be used to coordinate activities that involve several time zones at once - such as international DX'ing!

Exercise I: Refer to an atlas, almanac, etc. and determine the LMT for your particular DX location. By how many minutes does it differ from your local Standard Time?



LMT



EST



UTC

The three clocks above illustrate the exercise from the author's standpoint in Miami. When it is 12 Noon UTC, it is 7AM EST (based on 75°W mean time). Miami, at 80°W longitude, would fall 20 minutes behind EST, so a local sundial would indicate the time as 6:40 AM. Remember - four time-minutes per degree of longitude.

The ability to convert from mean time to standard time and/or universal time is a useful skill that every serious DX'er should know and a must for the TXM student.

Now, to another important rule: At the equator, the sun always rises at 0600 and sets at 1800 mean time.

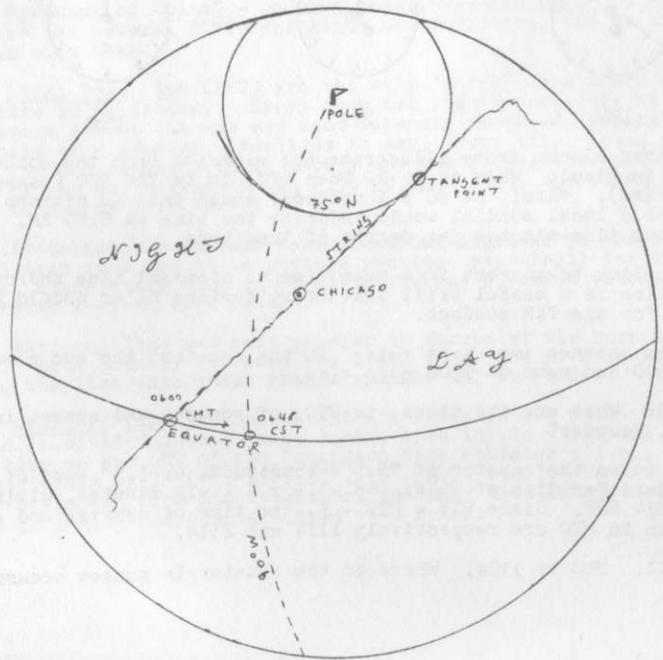
Exercise II: What are the times, in UTC, of sunrise and sunset in Quito, Ecuador?

Quito is on the equator at 78.5°W longitude, or 3.5° west of the "EST" Standard Meridian of 75°W. So $-3.5 \times 4 = -14$ minutes, giving 0614 and 1814 EST. Since EST = UTC - 5, the time of sunrise and sunset at Quito in UTC are respectively 1114 and 2314.

Exercise III: UTC is 1104. Where on the equator is sunset occurring?

TABLE OF SOLAR DECLINATION ANGLES
For Use in Analog Terminator Tracking
("W" Table)

Pole	Mr 21	Se 22	Mr 21	Pole
89°	Mr 23	Se 20 Se 24	Mr 19	89°
88	Mr 26	Se 17 Se 27	Mr 16	88
87	Mr 28	Se 15 Se 29	Mr 14	87
86	Mr 31	Se 12 Ot 02	Mr 11	86
85	Ap 02	Se 10 Ot 04	Mr 09	85
84	Ap 05	Se 07 Ot 07	Mr 06	84
83	Ap 07	Se 05 Ot 09	Mr 04	83
82	Ap 10	Se 02 Ot 12	Mr 01	82
81	Ap 12	Ag 31 Ot 14	Fe 27	81
80	Ap 15	Ag 28 Ot 17	Fe 24	80
79	Ap 17	Ag 26 Ot 19	Fe 22	79
78°	Ap 20	Ag 23 Ot 22	Fe 19	78°
77	Ap 22	Ag 21 Ot 24	Fe 17	77
76	Ap 25	Ag 18 Ot 27	Fe 14	76
75	Ap 28	Ag 15 Ot 30	Fe 11	75
74	Ma 02	Ag 11 No 03	Fe 07	74
73	Ma 06	Ag 07 No 07	Fe 03	73
72	Ma 10	Ag 03 No 11	Ja 30	72
71	Ma 14	Jl 30 No 15	Ja 26	71
70	Ma 18	Jl 26 No 19	Ja 22	70
69	Ma 23	Jl 21 No 24	Ja 17	69
68	Ma 28	Jl 16 No 29	Ja 12	68
67°	Jn 06	Jl 09 De 07	Ja 04	67°
A.C.	Jn 22	De 21		A.C.



Using a globe, add one hour per 15° going eastward from 0°, for 1804 at 105°E. Back up one degree (4 minutes) for 1800 LMT, and the tropical sun is setting just south of Singapore (104°E).

Now you know how to calculate sunrise and sunset anywhere in the world - so long as it's on the equator! Thanks to the phenomenon of the seasons on our planet, calculating terminator positions for other points on the globe are slightly more complex:

Everyone who lives outside the tropics is aware that sunset occurs later in summer than in winter. In Vancouver, BC, for example, the sun sets at 9PM PDT in June and at 4PM PST in December. In Polar regions this phenomenon reaches ridiculous extremes; the sun never sets at all in June (the famous "midnight sun"), never rises in December (when the stars are shining at high noon), and March and October are months of twilight. During the six months that the sun is visible at the Poles it merely circles around the horizon once every 24 hours.

As we all know, these seasonal phenomena are caused by our earth's axis being tilted some 23.5° from the vertical. This means that the sunrise/sunset terminator will also be declined from its mean north-south lay by as much as 23.5° in either direction, depending on the time of year. All we need, then, is a table telling us how much to tilt our string on the globe for any given day of the year. Such a "W" Table appears on the opposite page.

Before we go on, the reader should be familiar with the term "tangent to", meaning "lying against the edge of (a circle)"; e.g., an automobile tyre is "tangent to" the road.

Exercise IV: Find the time of sunrise in Chicago, in CST and UTC, on the 11'th February.

Using the "W" Table, we find that the date "Fe 11" corresponds to a declination at 75°. This means that we'll have to position our string to run tangent to the 75'th parallel, through Chicago, then across the equator (cf. opposite page).

The longitude at the equator, which is automatically 0600 LMT where the string crosses it, is found to lie at about the 102'nd meridian. Converting first to CST, $4(102-90) = 48$ time minutes; i.e., the sun will rise at Chicago on 2/11 at 0648 CST! That's 1248 UTC.

Exercise V: Find sunset in Honolulu on the 26'th July in HST and UTC.

Run the string tangent to the 70'th parallel, through Honolulu, then across the equator. "1800" at the equator is at 150° longitude - automatically 1800 HST! Counting every 15° eastward as one hour, UTC for this particular Honolulu sunset becomes 0400 on the following day. § Now let's reverse the procedure:

Exercise VI: In which African city does sunrise occur at 0643 UTC on the 22'nd June?

This time convert 0643 UTC to where mean time at the equator is 0600, or $43/4 = 10.75$ °W longitude. Run your string through this point and tangent to the Arctic Circle ("A.C." on the "W" Table) declined to the left. Your string should pass through Dakar!

Exercise VII: Find when sunset will occur in Murmansk, RSFSR, on the 30'th May.

Murmansk, being north of latitude 68°N, will not experience any sunset on this date!

In summary, the analog "globe-&-string" method of calculating terminator transits (sunrises and/or sunsets) involves the following steps:

- 1) Reference the "W" Table to determine the declination latitude corresponding to the date in question; e.g., 18'th October = "Ot 18" = 79.5°.
- 2) Stretch the string across the globe so that the string passes (a) across the equator, (b) through the chosen geographical location, and (c) tangent to the parallel of latitude found in Step 1.

- 3) Where the string crosses the equator, call that 0600 or 1800 Local Mean Time (LMT) respectively for sunrise or sunset.
- 4) Convert to UTC or to your local standard time at the rate of one hour every 15°, or four time-minutes per degree, adding time going east, subtracting going west.

Again, terminator tracking is much easier to do than to explain. While many DX'ers already know how to do it, this is the first time to our knowledge that an accurate declination ("W") table has been provided for that specific purpose. Needless to say, serious DX'ers should have a copy of the table available at all times.

Elementary "E" Calculations

TXM "E" calculations will be covered fully in Part IV of this series, but as it may be some months away from publication we would like to give interested readers something to experiment with in the interim.

Temporal parameter "Es" is the time that a received signal will start its sharp vertical rise to night-time levels. In spring and summer it marks "first audio"; in fall and winter, however, strong signals may be heard some minutes beforehand, "Es" marking a sudden increase in signal strength. The corresponding parameter "Er" occurs at sunrise; i.e., "last audio".

To calculate "E" for any single-hop E-layer path, determine sunrise or sunset (for "Er" or "Es" respectively) at the mid-point of the signal path! It's that simple!

Be warned, however, that the theory that likely comes to mind on first reading (i.e., terminator crossing the "bounce" point) is not the case at all! The correct theory will be presented in Part III.

-30-

Station Wins Right to Air Soviet Radio

Via Paul Swearingen

CHICAGO (AP) — The manager of WSDR, who wants to broadcast tapes supplied by Radio Moscow, says he's "overjoyed" by the government's ruling that his small-town radio station does not have to register as a foreign agent.

"I'm glad the Justice Department decided in our favor. We saw a real possibility of getting involved in a basic First Amendment conflict over this thing," said station manager Carey Davis in a telephone interview Monday.

Station WSDR, located in Sterling, Ill., a town of about 16,000 people 100 miles west of Chicago, received a letter in December from Radio Moscow offering free use of the tapes and it accepted, Davis said.

Then Broadcast magazine informed the station of a conflict in federal laws, Davis said, and "we wrote the Justice Department asking them to rule in our favor."

The Foreign Agents Registration Act of 1938 requires anyone airing tapes from the Soviet Union to register with the government as a foreign agent, but the Communications Act of 1934 says foreign agents cannot hold radio licenses in the United States, Davis said.

The station would have had to choose between the tapes and its license if the Justice Department had ruled against it, he said.

In a letter to WSDR's lawyers, the Justice Department said the station has no obligation to register as a foreign

agent although "based on the description of the programming you furnished, it appears that much of the material would fall within the definition of political propaganda."

Joel S. Lisker, head of the department's foreign agents registration office, said the station is not a foreign agent as defined by the law because it plans to exercise control over what will be broadcast and because it will not be paid to broadcast the tapes.

The 10 Radio Moscow tapes received by WSDR include political commentary by top Soviet commentators, a question-and-answer program "similar to Ann Landers' column," book reviews, folk music, and commentary on art, music, science and technology, Davis said.

"We're a hometown-oriented station in the heart of a very conservative area. We want to give people a chance to hear what the other side is saying," said Davis.

"We just thought this might be an interesting thing to do. We had no idea it was going to become big news," he added. "Listener response to this thing has just been tremendous."

A recent Washington Post article quoted a Soviet official as saying Radio Moscow has sent tapes to about 400 U.S. radio stations, Davis said. The same article quotes a federal official as saying only a few small stations, mostly at colleges, have aired the tapes, he added.

MUSINGS

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

ERNEST R. COOPER
5 ANTHONY STREET
PROVINCETOWN, MASS. 02657

APPRECIATES YOUR POOR OLD EDITOR

JAMES E. CRITCHETT - 1635 Walbridge Street - Red Bluff, California - 96080 2/7/79
No DX Jan. 29th to Feb. 2; I was on a trip to GRANT MANNING's in Escondido, Cal. Sat. 2/3 @ 8:52 on 1010, KQMP, Brush, Col. gave the weather, & ABC NX @ 9. Sun. 2/4 @ 9:15 KWYK-960, was using Navajo language; at 9:21 KOOL-960 IDed in EE. Of the f/cs listed for the First Monday, KVSL-1450 may have been the one using tone at their listed time. KGHL-790 was heard. KXIV-1400 was not heard, nor was KQIK-1230. KMQL IDed, and there was TT at the listed time for KBFI-1450. (Code by tone, but no VIDs). I did not try for KVAC-1490. KMTX-950 was IDed through XEEM & KJR. The KKIO-1290 TEST was in, L&C, with TT & mx. At 3:12 on 1240, KGY, Olympia, Wash. IDed & announced 24 hours. At 3:16 on 1450 KEYI IDed, and at 3:22 also on 1450, KTIP Porterville was IDed. KYA-1260 was off, & KQIL & CFRN were IDed 3:53 to 3:58. CBU went off @ 4:03, leaving SS language behind XETRA; could this be QMBC? At 9:04 on 710 there was SS with KPCC & KIRO. I will keep trying for XEFS; (not KFIA.) At 4:05pm on 1490 ended Ae News. A change from the half hour to news on the hour, same network. Tues. 2/6 @ 7:56 on 1480 KRSD said they were operating 24 hours except from Monday, 1-5am. This was their first night to be on AN. For a DXer trying to fill in the 168 hours in a log, that means checking the frequency from their previous s/off time to their previous s/on. DXing will never be completely without stations to hear. And if a station is not heard at 7 one week, try again that time next week. I do not approve of breaking down the Clear Channels. I doubt if there are only a few locations where radio stations can not be heard at any time of day, and no places that cannot hear stations at night. Nor do I approve of 9 kc/s. separations; too much of a mess now without that. That brings me up to date; nope, another comment - if a Special Feature isn't important enough to use standard size type on it, don't print it; we old fellows with fading eyesight can't read them anyway. At present I have a working SPR-4, and rebuilt Sanserino Loop. So I hope to report more frequently to Ernie; this is a wide-spread club. Thank you, Ernie, so much for all the work you do for all of us; truly appreciated. (Thank you, Jim! -ERC)

CHRIS MARTIN'S LOG IS A "MUST" FOR ALL TP-TYPE DXERS

HANK WILKINSON - 5028 Maiden Lane - Santa Rosa, California - 95405 2/8/79
This Musing is for NRC members who live on the West Coast. A recent survey of the IDXD Column in DX NEWS for the past 12 months indicated that a total of 46 different Aussie & New Zealand stations were heard. Now, in addition to this, many Hawaiians, a few Fijians, and stations in Tahiti, Solomon Islands, Marshall Islands, Tonga & Canton Island were also reported. We WC DXers were also blessed with a 9 kHz separation set-up in the Pacific-Asian area on November 23rd which has really increased the possibilities of good foreign DX - especially the "Down Under" stations. The new Pacific-Asian Log, published by Chris Martin, is a "must" for the West Coast DXer who really likes the challenge of TP DX. Good points of this Pacific-Asian Log are: 1. Easy-to-turn pages to frequency desired. 2. Very readable print and properly spaced. 3. Hours of operation. 4. Mailing addresses. 5. Affiliation. 6. Type of programming, and 7. Additional clues to help you determine which station you may be tuned to. I haven't seen a log as good as this one since 1966 that was published by Merv Branks. For more info write to C. G. Martin, G.P.O. Box 1150, Sydney, N.S.W., Australia 2001. Incidentally, this 9 kHz separation in the Pacific-Asian area has given us U.S. DXers our last "DX Frontier." I will cover the Asian possibilities at a later date. Good DX.

ARE CLEAR CHANNEL STATIONS "DX"? YES!

BILL HARANG - 811 Nevada Avenue - San Jose, California - 95125
The breakdown of the clear channels may be one of the first out of a large number of bitter pills some of us are going to swallow, but we can learn a valuable lesson out of all this if we have our thoughts tuned in right. Why? Because it shows what can happen when we turn our backs on some of the very basic foundations of the hobby. So many times in the past, some of us DXers have "looked down" on the newcomers to this hobby reporting these clear-channel stations and wanting to discuss them in various radio club publications. We thought it was "wrong". We've even gone so far sometimes as to say these items are "non-DX" items. (NEVER in the last 33 years in MUSINGS -ERC) Now, what's happening? Some of the very basics of the hobby may not even be around. It's time we wake up to the basics again before there are none. True DXing is more than just total chasing. Perhaps the more we comprehend this, the more we'll enjoy the hobby.

WE HOPE YOU'RE FEELING BETTER, WAYNE!

WAYNE HEINEN - 427 East Caramillo Street - Colorado Springs, Colorado - 80907
DX has taken a back seat to work & remodeling the kitchen. Except now I'm out of work with busted ribs, so some SSS & reports going out. DX: 1/6- KRDD-1320 w/ET/TT 2:24am, MM 1/8- KCTA-1030 on ET/mx 1:04am & on, KLBJ-590 w/gospel 2:37am, KANE-1240 ET/TT 12:16am. 1/26- KSIW-1450 r/c per list. 2/3- WJBO-1150 w/Larry King 2:39am. 2/5- WJWL900 tentative on TEST on some TT, I will wait & see what they say. 2/9- KBYE-890 w/religious telstat 6:45-7pm, KTK-1000 w/NX 7:03pm, KDWB-1290 fair w/rr 1:33-1:45. 2/10- KSET-1340 "Radio Disc" @

(Heinen, con'd.) 2:36am, WNAD-640 NBC NX till 7:15pm s/off. MM 2/12- WJTH-900 in with good signal on TEST @ 1:40am. I got at 1530 too late for KQNK. Veries: v/l - KBCR-1230, KBR5-1340, KRY5-1360, KSIW-1450. v/f- KCTA-2030. v/q- WNOE-1060. v/PP/c- KLAK-1600. I agree with JERRY STARR's sentiments re CPC. I'm in the same boat with RAY ARRUDA though - one TEST for 25 requests this season. If I find some extra money, I'll try a few for March & April but that stuff don't grow on trees, so with a little "help" from the Dead NRC (the opposite of the Living NRC) the Club will grow & prosper. Nuf said, see you in ST. LOUIS.

STILL LOGGING THEM IN
ALLEN W. LUCKEY - 26 Gene Avenue - New Castle, Delaware - 19720

Not much DXing lately due to lack of time & other things. 1/14- 3:25am WFAT pirate on approximately 1620 w/teletalk & occasional mx, good signal, but sitting on somebody's beacon. 1/22- 1:15am, WDXB-1490 Chattanooga, poor signal. Also 2:30am while parked on 1600 I heard what sounded like WTVM on RS. Are they 24 hours, as old log & latest VJ Log still has them as daytime. 1/29- 550, WSAU Wausau 1:22am o/u WGR ID's as "55 KRC", is this now WKRC? WITX-690 New Orleans 6:10pm w/rr on top, a newie & my fourth New Orleans station. KOAM-860, Pittsburg, Kan. 6:25pm w/c/w for state #37. WERC-960 Birmingham 12:55 am poor w/record ad. WQTY-1000 Montgomery, Ala. 6pm s/off, no SSB, poor in pile w/WVOV, others. WYNN-1550 Smyrna, Ga. 5:30pm w/"Chick Filet" top three countdown religious mx. Also noted 2/7 was WYFA-1580, Patchogue, N.Y. on late because of snowstorm, good signal here. It was on 2-3 hours past s/off. 2/12- Very little DXing MM as I was feeling under the weather. I did try for the KQNK-1530 TEST of TRF but WCKY was ETing. I checked back around 1:45am but WKBW owned 1530. Insufficient energy to fire up the main RX, hi. CX were good though as several stations were noted which haven't been heard lately, among them WEEI-590 on top of the Cuban for a change. 1:30am, WCHS-580 on top, no sign of WHP. An unusual thing heard on 640 - a het increasing gradually in pitch. What's this? It was heard around 1:40am. UnID EE station on 880 w/religious program in WCBS splatter, probably unnn KRNV. I checked 900 around 2 & noted mx way u/CHML but I was unable to ID it, WJTH maybe? (Or CKTS-ERC) WPEN noted ETing this AM & off altogether around 2am. Two stations battled for control w/unnn WWJ winning & the other remained unID. KDKA was also noted off @ 1 so they're not NSP altogether. They were back on w/TT @ 2. Also dominating this AM: WDEE-1500, WITS-1510. Enough for now. Don't forget to write the FCC & your reps regarding the FCC downgrading 1A's. I write with some of my own proposals. I'm sure they'll listen, hi. 73s.

DX DOWN THE DIAL - PART ONE
DAVE YOCIS - 85 Vesper Street - Fairfield, Connecticut - 06430

To go with the other 700: Greetings again NRCers. My first real MM DX since October, with locals WNBC & WCBS off 2/12. KRNV-880 was finally bagged w/religion, 12:36am. Also, I heard bits & pieces of KQNK-1530-TEST, no ID though, so no new state. Totals currently stand at 438/36d/8/22. That's almost 70 since the start of the year! Recent veries is WTMJ-620, v/q, exactly two months. I think "DX Down the Dial" is very interesting, so for those who also enjoy it: 540- CBEF. 550- WGR/WGNG/CFNB. 560- WFIL/WHYN. 570- WJCA/Cuban. 580- WTAG/WHP. 590- Cuban. 600- WICC. 610- WIP. 620- WYNY/WHEN. 630- WPRO/Cuban. 640- Cuban/Guatemalan. 650- WSM. 660- NBC. 670- WMAQ. 680- WRKO. 690- CBF/Cuban. 700- WLW. 710- WOR. 720- WGN. 730- CKAC/CHTR. 740- CBL. 750- WSB. 760- WJR. 770- WABC. 780- WBEM-Cuban. 790- WEAN/CHIC. 800- CKLW/PJB. 810- WGY. 820- WBAP/LA mess. 830- WNYC/WCOO. 840- WHAS. 850- WHDH/local spurs. 860- CJCB/CBH. 870- WML. 880- WCBS. 890- WLS. 900- CHML/CKTS. 910- WRQC. 920- WJAR/CBO. 930- WBYN/WPAT. 940- CEM. 950- WPEN/WIBX/WJW. 960- WELI/CHNS. 970- WCHS/CKCH/WWDJ. 980- WRC/WTRY. 990- WZZD. 1000- WFL. 1010- WINS/CFRB. 1020- KDKA. 1030- WBZ. 1040- WHO. 1050- WEN/CHUM. 1060- KYW. 1070- CBA/WIBC. 1080- WITC. 1090- WBAL. 1100- WWVE. 1110- WBT. 1120- KMOX. 1130- WNEW. 1140- WVA. 1150- WHUE/CKOC/WRUN/CHSJ. 1160- WJJD, then KSL. 1170- WVA. 1180- WHAM. 1190- WOJD. 1200- WQAI/Venezuela. 1210- WCAU. 1220- WGAR. The rest next time. Oh, and by the way, Volume 2 of my three-volume 1976 WRTH does list the Cuban on 840 as "Radio Dobleve" - what a fine publication! 73s.

WILLI-1400 PLAYED TWO STELLAR HITS ON THEIR TEST
BRYAN LEE - Box 69 - Brooklyn, Connecticut - 06234

For all who tried to hear the WILLI TEST: Congratulations if you did; too bad if you didn't. Even here (15 miles from their XR) it was only received with a fair-poor signal! There were tones often (two ten minutes blocks and one five minute block). TEST didn't begin until 1:13am. Music consisted of three songs, one which I have no idea of its name and the other two (which were played twice during the TEST) were as Ernie said, "really big hits" - "Connecticut My Home" and "Williamantic USA." One sour note: For those who tried to call Willie the number printed in DX NEWS & DX Monitor was wrong. That was the studio number and not the XR. Sorry! In other news: I'm still recovering from the shock of winning an NRC Domestic Log in Contest #4. I never expected to. Membership & participation in NRC sure does pay off. (See what you silent NRCers are missing?) Recent veries included only locals: WEIM, WEEI (took four months!) WPRO & WNEW. I am very disappointed in not receiving anything yet from WHHO, WEGP, WEMD, WBYM, & CBA. Hopefully one or all of them will pop up soon. Verie total is extremely poor! I have only 48 out of 84 reports sent, TOTAL! With the advent of the FCC revamping the AM band, it looks as though DX can only get worse. With everyone soon to have their daytime pests join the ranks of everyone's nighttime pests, DX will turn sour & I think DXing will slowly sink into oblivion. If the clears are saved & the BCB expanded to 1860 then we will still have good DXing and it could be even better that way with all of the daytimers out of the way, up above 1600. That would be nice. Well, I've run on too much. 73s, Bryan. (puff, puff).

PAUL'S HEARING LOTS OF GOODIES
PAUL MOUNT - 35 1/2 West Columbus Street - Nelsonville, Ohio - 45764

MM 11/27- WBIG-1470 N.C. good w/rock 1:30, (614-753-3280 till 3am MMs. F dj & recorded TCS by M like "It's now half past one; one thirty," & promos as "Big Radio." (No wonder I can't get them on my little radio! -ERC) On 970 looking for the WWDJ TEST - TT heard 1:53 in mess but the real treat was s/off of 500w KAKC from Tulsa asking for comments @ 2:00. WWDJ tone strong 2:12 & I called to confirm, the man said he had calls from as far W as Mo., & didn't promise a PoP ID till 3:00; state#34. BKB between Louisville & the Wolfpack in Alaska @ 2:17, & forgot to list frequency. (likely 1600, WFRG as heard here -ERC) Same game on 1470 & 680. "News in Review" Show on 1450, 2:30 to 2:35, several 15q IDs and then "WQSN in Charleston is the...15q." WPAR W. Va. also noted @ 2:38, log change. Looking for WWDJ @ 3 nothing there. WERC-960 Ala. blasting in @ 2:57 with NX & slopping onto 970. WSM off @ 3:05, WOR off too. WTAR-790 Va. loud w/Pop mx, Star Car contest 3:08 & logged every try since, a big pest. R. Paradise-1265 s/on noted @ 4:00. What sounded like W-E s/on @ 7 "best in country music" then SSB u/WLAC. WLGJN s/on @ 7:15 today. 66 new stations from 19 new states in November. WPCV-1360 W. Va. w/promo for America Country Countdown, then into Steady Dan rock 4:51pm, this a daytime regular deal. WLMJ-1280 s/off mention 2 3/5ths miles SE of Jackson XR. 12/2- Down to the Hocking River, no buzz QRN, just "atmospheric noise" adds WNOP-740, WHJB-620, CKLW-800, WEDO-810, WYNY-900, WCIT-940 (no WNAL QRM) & WWST-960 plus mentions of Mullins on 1070 u/WIBC. 73 - P.M - OH.

LOTS OF ACTION ON MM 2/12
ERIC FADER - 23-35 Bell Boulevard - Bayside, New York - 11360

First off, concerning the poetry ban in DX NEWS - suffice it to say, for now, that one of the cut Musings was mine, & I wrote to Louisville immediately. Anyone who is curious about what I think of LPC's action in this matter may contact me. More on this in a week or so after we see what develops. I thought the "Hi and Lois" & "Beetle Bailey" comic (sic) fillers were new lows in content in DX NEWS. Anyone think these fillers had anything to do with DX? On to a little DX while I still have the inclination: The switched Cubans 590/600 noted here much like the previous. 590 seems a little stronger & 600 a bit weaker, that's all. The latest screwed-up pattern on 980 (remember CKGM?) belongs to WILK. They were much louder than ever before 2/8 9:35pm w/T-40, "The New 98". (Another case of "what happened to the old one?") UnID-1270 w/disco format (NOT just an isolated disco record) @ 9:54. Unn CHR-1290 w/good signal, muddy audio, 9:58. R. Paradise way o/adjacent channel QRM with preacher, 10:01. MM 2/12: Very loud TTer on 950 1:30am, likely WPEN. Pest CKCY-920 over spurs today, 1:38. CKSO-790 very loud w/c/w, 1:45-1:50, the first of several log changes this AM. Two more possible ones: 730 had CJNR on top w/MOR 1:52-2am, w/CKAC apparently off, may be SP:MM irreg. Assumed unn HJUM-660 on top w/WNBC off again, 2:02. Isn't this becoming fairly regular for them? Methinks they go off 2-3 consecutive MMs every few months, but I'm too lazy to check back. Unn WTMJ-620 w/very good signal w/"WTMJ, the place to be" jx, 2:05am. KFI-640 also w/very decent signal, WX in 50's was mentioned, but it's 4 above in Bayside with a wind-chill tingle of -34. Good thing I don't have a pump handle. Beacon NB-530 in well, 2:08. 1070 had unID TT/OC 2:10, still there 3:01. Someone on the channel, likely the TT, IDed @ 3:01 as "WFTR" of similar, o/an LA w/instrumental mx & a few others. The TTer may have been WKDR. It definitely wasn't KFMI as I heard the W. The LA had SS male vocals later. HJ-850 u/a talker & a c/w, 1:45, but the c/w was gone after 2. Another log change, WCHS-580 on, @ 2:22. Unn WDAF-610 u/WIP, 2:29. WCBS-880 also off, 2:35. Unn ETer-740 w/"Tragedy", very loud, 2:40. Weaker, 2:42, may have been KRMG Okla. on different powers. WGY-810 also ETing w/disco instrumentals, 2:45. More next time, I hope. 73s and "take that to the bank." -Fades.

GETS HIS 670th VERIE
RAY ARRUDA - 47 Burt Street - Acushnet, Massachusetts - 02743

All work, little DX the past two weeks, so the DX comes to you from here in bits & pieces. Starting with Sat. PM 2/10, 4:53-5:13 brought WTTT-1430 atop w/music, news & s/off announcement w/hymn which might have been Lord's Prayer, but I'm not sure. Strong WIKS-1430 QRM w/new disco format. MM 2/12, CX seemed to favor Midwest w/sharp signals from clears such as KMOX-1120 & WCOO-830 but nothing spectacular noted here. I was beginning to take a report on possible KQNK-1530 TEST w/TT 1:11-1:14 when suddenly WCKY came on w/ET/TT of their own, so down the drain went the chance for KQNK. No luck w/WJTH-900 as they were tried w/no results in several spot checks between 1 & 3. 900 was covered by CHML/CKTS. CKSO-790 was loud this AM 2:00-2:06+ w/NX, IDs, local spots for Notre Dame Bowl, Ford Dealer. Report out to CKSO a month now, still no answer. I'm also waiting on WJAT-800 who said by phone that he'd check on reports of WJAT f/c during CKLW's SP. Maybe he went out and had cards & QMs printed up! (And maybe he didn't, hi! -ERC) Verie count is at 670 with the addition of WFTR-960. Thirty more to reach the big 700. 73.

LOGS SOME INTERESTING RARE ONES
CLAY ADAMSON - 35 Liberty Street - East Greenwich, Rhode Island - 02818

Fri. 2/9- WKMC-1370 Pa. ET/mx @ 12:04-1:20am. WVDN-1330 N.Y. ET/TT @ 1:42am. WERI-1230 @ 5pm. WINS-1230 Conn. @ 9pm, H.S. BKB. WHUC-1230 N.Y. @ 10:27 s/off (log change, or late night). Sat. 2/10- WJOY-1230 Vt. @ 1am w/CBS NX. WALE-1400 Mass. @ 10am. SM 2/11- CJKB-1290 Ont. @ 2:48am. WTCO-1290 Ga. @ 5:53. WLLI-1290 N.Y. @ 6. WPEP-1570 Mass. @ 11am. MM 2/12- No TESTS logged. CKSO-790 Ont. @ 12:48am. Tues. 2/13- WSNJ-1240 N.J. (tentative) TT until 12:20 (their f/c?), no ID. WKDR-1070 N.Y. ET/TT @ s/off @ 12:55am. WMIN-1400 Md. 12:59. Wed. 2/14- On 590, u/WEEI, one SS & one EE @ 12:30am. CFTR-630 Ont. @ 10:35pm.

LET'S HAVE THOSE MUSINGS, GANG! JOIN THE LIVING N.R.C.! DEADLINE IS EVERY MONDAY. -ERC

ENJOYS CBC FAREMARK STRICKERT - Home for unwed DXers - Chicago, Illinois - 60660

Normally I vent my futile, frustrated anger upon the wrath of NSPers upon the MW-BCB. However, after notes from BILL WURTZEL & ERNIE COOPER, & after reading the "Sun Spots" - uh, "Aurora", uh, I mean "Static from HQ" (2/5/79), I've found a cause more worthy, that being the verse contro-verse-y of '79. I'm publicly coming out in favor of the poets, if you didn't already know it. 'Nuff said - on to radio stuff. I thought TWR-800 had dropped programs en masse, but they arrived L&C 2/8 @ 12:05am w/World News, a "Thought for Today", & s/off. EE broadcasts run 9:30pm-12:10am, EST. No sign of CKLW - are they still playing w/the XR for the AM-Stereo operation? CBC on 920 (CBO) and 940 (CBM) arrived well for first time in weeks, but I miss CBK-540 as XEWA controls same frequency. I've found that CBE programs are very entertaining, especially "As It Happens" NX show, better than NPR's "All Things Considered" even, @ 6:30-8pm, and the "Electic Circus" mx program midnight-1am. Both are one hour later on central zone CBC stations. WMUS-1090 2/11 w/WJLC @ 4pm w/ID, c/w mx, & KQNK-1530 extended f/c 2/12 1:10-1:34 w/trouble from WCKY running its own test, was the only really interesting DX heard otherwise. Looks like most of the local gang will beat NRC ST. LOUIS, and possibly even IRCA/Peoria. For me, it all depends on college schedules. I will be out East in mid-May, if that matters any. If any of youse plan to make Chi-town a stop during your travels, just drop on by! (Or call 312-561-3249 after 6pm EST, except Tues-Thurs.) One final note - hmmm. C U N 7 - 73 & out.

LOGS KBOI-670 AND KDWN-720 AT SSSPAUL SWARINGEN - Box 500 - Moran, Kansas - 66755

316-237-4584

This DXer has finally disassociated himself from a horde of organizations & settled in for a Winter of DXing. The result: 50 new stations heard in January, for a total of 661 heard, 331 taped, 40 states, six provinces. CK seem to have favored domestics rather than LA's, although I have logged ten of them. The HJ on 1000 has even become a pest; it's there nearly every evening right after sunset. Speaking of SSS, KBOI-670 & KDWN-720 are good bets right before their SSS power changes. KBOI tends to give an ID only on their hour, but I taped KDWN on the half hour. If you can null WMAQ & WGN, try for them on a foggy day. Now, for Washington & Oregon. Most of my DX has been SSS, which I've neglected in the past few years. A few surprises: KLO-1430, Utah, @ 7:04pm, 1/9; CKTA-1570, Alta. @ 6:30pm, 1/12; WMBE-1380, Ind. @ 8pm 1/12, KQFX-1060, S.D. @ 8:45pm, 2/3. Early-morning DX has been dismal for me: lost sleep and no catches. What do I eat? Just about anything that is not crunchy, to hold down the noise when I'm trying for that elusive catch. I stay away from alcoholic stuff (except my brother's fruitcake) so I can stay awake; I also stay away from coffee or most soft drinks loaded with caffeine in case I decide to give it up and go back to bed. Kool-Aid is a staple here! ARNIM LITTEK: Your MARK CONNELLY Muse on TRF regeneration is in Vol. 5, P. 21. I'm keeping an exhaustive index of DX NEWS; anyone not finding an article or Muse is welcome to send an SASE here. I'm glad to see the trend towards well-thought opinions in DX NEWS, such as BILL HARANG's positive thinking and JERRY STARR's CPC problems, even though I may not agree with them all. I realized that ERC called for DX reports primarily in a recent Muse, but a straight list of DX reports gets little attention from me. DX NEWS is one of the few available means of preserving valuable historical items, both past and present, in Mothball Memories, feature articles, and even clippings. I would hope that all Musers would at least let the human side show through. If nothing else, when I see you at ST. LOUIS I'll know what to expect!

SUGGESTS INTER-CLUB COOPERATION ON DX TESTSBOB COOMLER - 2430 Bonmark Drive - Ojai, California - 93023

In light of all the recent discussions concerning the CPC & the number of TESTS, I would like to enter my thanks to those who have worked so hard and for the TESTS they have been able to pull off. I have logged several stations that otherwise would probably never have been heard and that is certainly better than none at all. I would also like to toss out several thoughts for digestion. Having done CPC work several years back and in a more passive, but attentive, position since, I always had the nagging feeling that lack of inter-club coordination was costing us all in the long run. In times past when there were major philosophical differences between clubs, competition was healthy and fun. But now with differences being small and the radio industry positions (as well illustrated by JERRY STARR) being what they are, it might be time for a second look. What I am suggesting is a cooperative hobby-wide CPC encompassing the NRC, IRCA, GWDXA, NNRC & others; perhaps this could be done under the wing of ANARC. We could very well increase the effective manpower and effort and make it known that maybe we are strange and all harbor secret hemorrhoid wishes, but there is a significant number of us out there. We also may be scaring stations (especially those licensed for full time) off by requests for special programming. While a well done special TEST can be a delight to listen to, I don't really believe it is a necessity. A TEST with nothing but TTs (especially sweeps), VIDs, and CIDs cuts it quite well, and wouldn't require much of the station. This could work in easily with legitimate maintenance ETs and we could even supply a tape of this nature with no great hassle if we were really serious. OK, off the soap box and back to the radio.

ABOUT SOME FAR-NORTH STATIONSBRIAN VERNON - General Delivery - Elsa, Yukon Territory

2/7/79

A bit of an update for anyone interested in the network news scene, a new, news-wire service was to start Jan. 1st, operated by the Toronto Sun - Sterling Newspapers - UPI Canada, this includes international NX from UPI-NY. Selkirk tried to buy CFQM-1320, CILQ-FM (Toronto) & CHOK-1070, last year, but the takeover was rejected by C.R.T.C., Selkirk's major

(Vernon, con'd.) shareholder in Southam Press, who operate 13 daily papers across the country. In the article "Canadian Audio Nets" under Selkirk News Service, CFAM-AM/FM, should read CFAC-AM/FM, sorry about that. KILG-670 have expressed interest in conducting another TEST this year. Perhaps it would be a good idea for everyone to write and ask (beg?) them to run another. Their earlier one was a very big disappointment to them I should think. I just received IRCA's Foreign Log, Vol. 7, and it's excellent. Their "Pacific Loggings" section though is a little disappointing. I think NRC's WC members are more active in reports to IDXD than IRCA's WC members are to their counterpart (who said it was vice-versa?) As you probably know, KIKI-330 is IDing these days as KIKI Disco-83, also I heard that CHIC-790 has gone disco/R&B. Till next time, 73's. ERC, you're doing an excellent job as always! (Thank you, Brian! I appreciate that! -ERC)

MISSSES C.B.S. RADIO DRAMASSTEPHEN H. PONDER - 4105 Glen Street - Bossier City, Louisiana - 71112

2/10/79

Hello again from Louisiana! The sun is shining here and the temperature is a pleasant 11° C (that's 52° F!) It looks like the most frigid part of Winter has passed by - at least the ice and snow part of it, I hope. Anyway, some veries have actually found their way through all the slop (and that's not including the U.S.P.O.) to my mailbox - here they are: XBD-1390, a nice personal letter in SS for a f/up; WGSO-1280, a card that was promised in a letter by the chief some time back; and, KGSB-1600, a duplicate issue letter & map (I received the first set some time ago while still in school in Cowtown)! Now to the complaints dept't. As many of us listeners know by now, CBS has once again premiered a radio drama, this time sponsored by Sears. I love radio dramas, and have in times past enjoyed listening to them on local KWKH-1130 at night. But, alas, they have relinquished CBS Network feed, and now the Shreveport-Bossier City metropolitan area, which comprises an awfully big chunk of Northeastern Texas, Northwestern Louisiana, and Southwestern Arkansas, is left without a strong-signal CBS affiliate! The nearest affiliate with a good signal in the afternoon is KALB-580 in Alexandria, La., but at night they are not heard. W, at night, WDEM-780 is the best shot, but due to propagation conditions, they are many times shadowed by Cubans and adjacent channel stations. Oh well - maybe in the future KWKH will return to CBS; as for now, I'll just have to read between "Russian by Radio" on the Cuban station, and X-Rock 80, hi. 73. (Isn't KMOX-1120 a CBS-er, Steve? -ERC)

KDTH-1370 IS PROMOTING THEIR NEW 5KW POWERDOUG BEARD - RR 1 - Springville, Iowa - 52336

2/10/79

At last, my long awaited Muse #2. Biggest news here is the birth of Dennis Jacob Beard 12/1. We were saddened to hear about NANCY & BILL HARDY losing their baby. We empathize with them in what they're having to deal with. 12/10- 7:59-8am, WOOO-1260 w/WX; 8:17am, KSMN-1530 w/SX, should have been 144w PSA. 6:19pm, WMMN-920, good. 12/11- 10:10-10:20pm, KWK-1380, bye-bye 1380, I don't believe they're 1 kw. 12/16- 1:02-1:08pm, KDAO-1190, first day on. 12/17- 6:04-6:15pm, KSCB-1270 w/ABC NX & SX, local NX & WX, day power. 12/18- 5:02am, WERE-1300 w/NX; 5:14am, WBBG-1260 "Wbbage 1260". 1/1- 6:12pm, KBUP-1050. 1/2- 6:35am, WSLM-1220, 438w PSA. 1/13- to 7pm, KILZ-940, out w/power-pattern switch. 2/3- 6:59pm, KBYE-890; 7:13pm, KULT-970 s/off; 7:37-7:41pm, KXCM-1000. Still 2/3, 9: 00-9:20pm, Roseau, Dominica-545, good w/FF; 9:46pm, CBJ-1580, // -CBF & CJBC. 2/6- 10pm, WSLI-930; 10:27pm, WINI-1420 w/local ad, then BKB. All of these are new. I enjoyed a visit from CARL MANN last Fall. Carl's log is a wonder to behold; he seldom bothers with stations less than 1,000 miles distant (or so it seems). I intend to see how he does it, but between baby and hostile weather I haven't been able to make the trip. KDTH-1370 is promoting their new 5kw night, four-tower facility with Power House candy bars and \$5,000 (a dollar per watt, I assume). Via a phone call there this PM, I learned they expect to put the new facilities on the air "sometime in March". They will be using one of the new, taller towers during the day so SRS & SSS CX from them may change. I'm not sure the NRC should let Convention in ST. LOUIS - Missouri is one of the states which hasn't ratified the ERA. (It's OK, Doug - few women attend, but all are welcome! -ERC) KRWN-880 has been clobbering WCBs for a couple of months; Easterners, now's your chance. GHML-900 hasn't been heard since going 50kw. They used to be regular here. The new Log is superb. I like the addition of applications. Cure for the too-tight binding: straighten each prong individually with a lot of force (they won't break) until the prongs barely curl back under the solid piece. One error in the Log: KQLQ-1300 is 5kw N, not 1kw. I just missed the WJWL-900-TEST for needed Delaware - Dennis squaled about 1/2 hour too late. For totals, I count frequency changes, but not call or power changes. Total heard - 650. My main surprise when I joined NRC in 1977 was how small the Club was. I had imagined there were many thousands of us nuts. Why are there so few women DXers? There's nothing "male" or "macho" about listening to a radio. My next surprise was on comprehending the amount of free time & effort donated by the various editors and publishers. There's a lot of unselfish dedication in the Club.

SCHOOL LIMITS HIM TO WEEKEND SSS DXJOHN CLIMMER - 2937 West Gilbert - Peoria, Illinois - 61604

DX has been almost non-existent since school started again. DX is limited to Fri. Sat. or Sun. afternoon/evening at SSS, if I'm lucky. KLTJ-970 N. Platte, Neb. was heard on 2/10 @ 7:05pm. WONE-980 was also heard on 2/10. WSPA-950 S.C. made its first appearance of the season here that same night. KTDK-1000 Okla. was also in; not heard for ages, o/WCLF. Interesting that WPAD & WDXR are going to switch calls. WDXR is fairly regular here; it'll be interesting to see if they switch formats. WPAD is presently c/w & WDXR is POP-T-40. Nice v/l from WXGR-1190 Miss. (ex-WPUP), report back in less than a week! WXGR call has some significance. The GR stands for "Gulf Radio" according to their letterhead. I hope to make

(Glemmer, cont'd.) Houston & Oklahoma, and possibly Mobile, Ala. and Pensacola, Fla. in the last week of March, during Spring break. That is if there is any gasoline, hi. I hope I get to see NRCCers GERRY THOMAS and CONRAD DUROCHER. No new snow here, just cold, with lots of big piles! I hope to see YOU in PEORIA in August for the IRCA convention! Good DX & 73.

PICKS UP SEVERAL GOOD TA'S INCLUDING TOGO
NEIL KAZAROSS - Union College Box 1024 - Schenectady, New York - 12308 518-370-6679

It's been a long time since I've Mused so I'll start with a re-intro. I'm 20 years old & a sophomore at Union College in Schenectady. My equipment is an HQ-180A and a Sanserino Loop. I also have a TRF & an SM-2. I find that the Sanserino Loop has a very powerful amp which has much more gain than the SM-2. However, increased gain also means increased noise, but I feel that the signal-to-noise ratio of the Sanserino is somewhat superior to the SM-2. The Sanserino also nulls better. Unfortunately I cannot null my locals to near zero levels as I hear can be done with a big loop like the NRC Loop. Almost all of my DX is done from my home in Pawtucket, R.I. It is interesting to hear comments on the water path effect. I experienced the same thing at my grandmother's Summer home in Narragansett, R.I. in August. Narragansett is right on the coast. I have never heard some LA catches at such good signal levels. For example, 8/5, HCGBI was very good w/R. Melodia ID on 735kHz in the 3kHz bandpass. Its strength was equal to the Canadians on 730 & 740. On 914 the 3kw Surinam was audible even with WJAR w/5kw on 920 only 30 miles N. 8/8 I heard one of my best catches ever, the Canary Islandson 836. As propagation expert RON SCHATZ says in one of his articles that while the signals travel by E-skip they all arrive as ground wave. All the DX sites in New Zealand & Australia where they log such fantastic DX are located within a couple of miles of the coast. On Dec. 5 morning I noticed the high end TA's in very well for the first time. They were also outrageously loud the mornings of 12/18-20. All the usual super powers were logged on their new frequencies. I also heard bits of SS on 1584 & 1602. WRTH-79 lists many 1kw Spanish synchros here. Dec. 19 gave me what I feel is my best catch ever in terms of power & distance on 1548 with a R. Cleveland ID heard @ 2am w/BBC pips. Other highlights are Togo on 1395 w/FF @ 8:30pm Dec. 3. And Saudi Arabia & Czech superpowers on 1521 at SSS with weak audio hitting 1520 a couple of days before Christmas. MM Dec. 4 I was elated to find WUNR & WWRL both off, permitting me to log five newies on 1600: WFRG, WOKB, WQIV, WPOM, & HJH, a 1kw Colombian. I'll close now saying that I'd like to correspond with any Easterners interested in TA & LA DX. 73s, & let's go get those TA's. (What TA's??-ERC)

HIG PLUG FOR BROADCASTING YEARBOOK
ELLIOT R. STRAUS - 27 Devon Drive - West Orange, New Jersey - 07052 201-736-1681

I'd like to address this Muse to those in the membership who are serious about verifying all receptions. Aside from the NRC Log, the most valuable source of info I have is the Broadcasting Yearbook. I couldn't do without it. 680 pages, it includes: listing all stations (U.S. & Canada) by frequency, call, location, format, group ownership, etc. Here is an average listing: (WJWJ (AM) Dec. 1948, 620 kHz., 5kw-U, DA-2. 621 N. Mt. Pleasant Ave., Livingston 07039, (201) 994-9191. Newark Broadcasting Corp. (acq. 11/8/53) NET: ABC/E. Rep: Buckley. Format: Btl mus. Edward Scudder Jr., Pres., Peter LaChance, CE, Herb Saltzman, VP & GM, Larry Yount, prog. dir., William Emerson, news dir. Rates \$75, 75, 75, 60.) What more could you ask for in the way of info? Also included are: NAB code, all FCC regs, multiple station owners, monitoring services, VOA info, sports networks, surveys & market research, networks, maps of TV markets, history of broadcasting, and about 150 other things. Price is \$37.50 and worth its weight in gold. Have you heard a station signing off and heard, "WWJW is owned and operated by \$\$\$\$ Broadcasting Co." you can just look it up. Want the CBS or GPs name? It's right there. Available from: Broadcast Publications - 1735 DeSales Street N.W., Washington, D.C. 20036. Recent series: WBTV-1470, WIPS-1250, WRDI-1580 to 651 total. Best DX news is MM 2/12 I heard KRVN-880 Lexington, Neb. (details to DDXD). This station has been on my ten most-wanted list since I started DXing. Whenever WGBS has been off before (never scheduled) it had always been after KRVN's 1:10am s/off. Far out. I called up Rocket Ray but the Cuban kept him from it although it was loud here. Others on my most-wanted list (stations I should be able to hear under the right circumstances) are: 1. KOKL-650 Hawaii. 2. KFAR-660 Alaska. 3. KBOI-670 Idaho. 4. KOPF-1180 Mont. 5. KEX-1190 Ore. 6. KLUC-1140 Nev. 7. KING-1090 Wash. 8. KTWO-1030 Wyo. I must be reaching my limit now so adios amigos. See you soon. Cisco.

HE WILL BUILD A NEW LOOP ANTENNA
STEVEN D. MILLER - Boston, Massachusetts

Hello everyone - How's DX? I decided I won't urge any of you boys to contribute or support any more. Two good deeds were accomplished. First, I sent in for membership with the IRCA & I sent for the "Antenna Reference Manual". So if you don't see my name in future issues, it'll be because I'm constructing the perfect loop for the Realistic TRF. Also I plan to hook up a Q-multiplier to the TRF hooked up to the special loop. Congratulations go out to all who took part in producing the excellent NRC publication "Getting Started in MW DXing". Russ, you done an excellent job. Well, LFC, I've got another interesting article for you. It's titled "Takeover in the Night". If you liked my first, "Question of Regression" you'll love this one, it's a dilly! Hi. Seriously everyone I'm devoted to this fantastic hobby. My other hobbies are photography, drumming, Deejaying, and the stock market. And in order: 1- Drumming. 2- Photography. 3- D-Jing. 4- Stock Market, and finally MW DXing #5, in that order. Actually I've been a CCB enthusiast since July of '76 but I never kept records. I'd say my totals heard would be in the 300 range ("shucks"). DX-ing a pi DX activity has been "in the dumps" - CX are poor or Lau-z-zee". Well until my next crazy Muse 73's and the best of DXing to everyone.

INTRODUCING A NEW MEMBER FROM CONNECTICUT - WELCOME, JOHN!
JOHN J. KOSINSKI JR. - 18 Case Road - Stamford, Connecticut - 06905

This is my first Musing. As I notice in some of the other Musings, time is the worst enemy of the DXer. I am basically a television person. I am the Executive Producer of a television news consulting company based in Old Greenwich, Conn. Our company, Primo Newservice, owns a radio station. It is WNRV, Naugatuck, Conn. We call ourselves "Greater Waterbury's 14/NVR". We are adult contemporary with a heavy emphasis on news and sports programming. I'll keep you up to date on any CPC TESTS or frequency checks coming up during 1979. I've just purchased a SONY ICF-6700. It's ver good - even without an external antenna. It has a switch which allows for pinpoint tuning on AM. Some recent catches with the Sony include: 2/7: 5:51pm, WTOG-1290 w/local spots, WX for Savannah. First time for WTOG way on top klling local pest WLLI. 2/12: 8:12am, WVKO-1580 strong w/soul & WX for Columbus. 8:14am, WTHM-1530, another first, way atop another pest, WDJZ. Some other recent catches - not with the Sony - but with a Panasonic RF-1170 with a built-in gyro antenna (nothing fancy): 12/26- WWOX-990 w/AT-40, local promo @ 10:04pm. Also WNRD-1260 w/rr at 10:15 - "WNRD 1260 plays the best music in Indie." 73s for now. I hope to get a decent antenna for the new ICF-6700. Our radio station, 14/NVR, of course, encourages ALL reception reports. (I've got a report out to WNRV for several weeks now, John! -ERC)

IN DEFENSE OF POETRY
ERNEST R. COOPER - 5 Anthony Street - Provincetown, Massachusetts - 02657 617-487-9337

There were exactly 53 lines of poetry (and spacing) cut from the Feb. 5 issue of DX NEWS' Musings section - 25 lines which were ERIC FADER's entire Musing, 18 lines from BILL WURTZEL's Musing, four lines from BILL BERGADANO, and six from my own Musing, for a total of 53 lines, which is about three-fourths of one page. I generally get 76 lines of type onto a page. So no one exceeded his 30 line limit, no one put in anything that was offensive to anyone or any group, nor anything off color. I feel the poetry has a definite place in Musings, if the senders-in want to compose it, so long as the above conditions are met, and it is at least remotely related to DX. Musings is designed to serve two purposes: 1, and most important, it is to disseminate DX tips and information, and info on receivers, antennas in use, etc. 2, it is to give the NRC "life" - to reflect the personalities of the individual members. If an individual is a "blithe spirit" and likes to send in Musings with a touch of the light side of life, then that's cool with me! If he prefers to stick strictly to DX & DX gear, that's cool too. It's whatever the Musers want to say that we want to print. I am well aware that our poetry is not of the Pulitzer Prize-winning variety, but it is good, clean, homespun humor. It certainly should rate ahead of commercial cartoons, or "funnies" that many of us have already seen in our local papers, in my opinion, simply because it is "ours" and not somebody else's. As many of you know, I was very shook up over the deletion of the hard work of our members, and of my own preparation of the copy for that issue, and I offered my resignation as Editor over it. I'm happy to say that the LADS did not accept it, so I will continue as Editor, at least through Convention time. I also feel the poetry kick is a passing fancy with many, and that it will never become a "problem". Look at it this way, those of you who do not like the poetry - just skip over it! I buy the Sunday paper, but I don't read EVERYTHING in it! What doesn't interest me, like the Society page, or the Help Wanted section, I skip over. I do this in DX NEWS too, with the deep technical articles which I can't fathom, being basidly stupid. I respectfully suggest that those who don't enjoy the poems, merely skip over them and let those who do enjoy them - enjoy them! - it's that simple! I might add in conclusion that NO complaints against any poetry were received here. Please, in the future, lads and lassies, if you have any gripes or suggestions about this section, please refer them to me, the steward of this section.

MO T H B A L L M E M O R I E S
CHAPTER CVI - WRAPPING UP GARY SEIBEL'S ACCOUNT OF HIS GREAT MONDAY MORNING

Dan sent for a verie request to both KLUC and KORL immediately while I waited about two weeks (normally I don't collect them). Dan included his tape recording and mentioned that I was listening too. I only sent letters to each with the same details he included in his QSL requests. The results were that KORL verified Dan's request and not mine, while KLUC verified my request and not Dan's. Make of that what you will, QSL collectors, hi! I think Dan got the better of the two but I'm not too unhappy about the Nevada QSL, hi! What really mattered was that both of us heard the unexpected so also the unexpected followed in the QSL reply. Nevertheless we're both happy and hope that what happened in 1972 can happen again. Now if only KINY in Juneau would realize that CLKW has been off lately and just come in. A new state and state capital! H'mm, oh well, just can't happen. But if it does folks, prepare to wake from that slumber wherever you are, 'cause Dan, Ken & I, & yes, you can listen too, FRANK MERRILL, will yell loud enough to let all the world know what happened. Have those receivers ready 'cause we'll only yell once, hi, after that we pass out from shock. But for now Dan & I will content ourselves with the memory of those fleeting five minutes on a cold clear February morning in 1972 when a dream came true when the man named Jim with the low voice said, "It's 11:43 on a Sunday evening at KORL!" Now if only those sunspots would go away along with WJR, WABC, WLW, WSPD, WGN, etc., etc. Maybe WMAQ & the Cuban will have stood by for Dillingham, maybe - just maybe..... -0-
NEXT WEEK: PETE KEMP'S 11TH CONTRIBUTION TO THIS SECTION, "RADIO GOES TO WAR." THEN WE'LL TURN TO CARY SIMPSON, BACK TO PETE KEMP AGAIN, AND THEN TO BILL WURTZEL. WE CAN THUS USE MORE CONTRIBUTIONS TO THIS SECTION. SCRATCH YOUR HEADS BOYS & LET'S HAVE THOSE MEMORIES!

WHERE DID THE WINTER GO? THERE ARE ONLY TWO MORE OF THE WEEKLY ISSUES LEFT! UPCOMING DEADLINES HERE, THEN, FOR MUSINGS, ARE: ALTERNATE MONDAYS, MARCH 19 - APRIL 2 - APRIL 23 - MAY 7 - then SATURDAY, MAY 26 (ALLOWING FOR THE NATIONAL HOLIDAY ON MAY 28). PLEASE MUSE!

A - Karl Jeter
 B - Wayne Meinen
 C - Edward Cotton
 D - Dave Fox
 E - John Hoogerheide
 F - Karl Forth
 G - unsigned
 H - Pete Taylor
 I - Elliot Straus
 J - John Clemmer

L - Andy Rugg
 M - Dave Schmidt
 N - Neil Zank
 O - Ernie Cooper
 P - Steve Ponder
 Q - Stan Morss
 R - Mark Bailey
 S - Morris Sorensen
 T - Norm Maguire
 K - Ray Arruda

1290 WKNE 1 Ernest Batchelder, CE K
 CJBK 1q Jeff Guy, VPoE DE
 1300 WAVZ 1 Lloyd M. Prezant, ACE D
 WIFE c Murray G. Smith, CE E
 KOKY 1 Rich Harlow, PD E
 WISE 1 Rick Jorgensen E
 KEIN 1 John Walton, PD H
 WBIO 1 Gerry Turro, CE K
 1330 WGO pu John McCreery, M A
 WTR 1 Jerry B. Willis E
 1350 WHNE 1 Robert L. Sinclair, GM KJQ
 KIDN u S. Peter (?), CE T
 WZIX 1 John R. Hess, CE N
 KSUM 1 Clint Knapp, TSU K
 WELF 1 Jerry Bryant, OpM N
 WABD 1 Robert Wicks, E E
 1380 WEIC 1 John West, OM R
 WDAT 1 Rick Glasby, PD A
 1390 WTIW 1m Thomas Land, P, GM A
 1410 WUNI 1 J. C. Burns, CE J
 KAHL q Nelson E. Dahl S
 KQV 1 Ted Ruscitti, Op M D
 WPOF q Brian Caldwell, TSU E
 1430 WNJR 1 Harry M. Randal, Sup'g E R
 1440 WGCB 1m Dario D. Shoff, SM D
 WCIL 1m Stephen Miller, E D
 WOHN 1m Richard E. Sanderson, CE DF
 KDNT 1 Russ Campbell, PD E
 KETX r Hal Haley, SM E
 1450 WOL 1 Frank Kramer, CE DI
 1460 WEMD 1u Rick Price, A M
 1470 WFSR 1 Robert D. Baxter, PD, AGM R
 CKPB 1m Roger Laurendeau, PD, GM K
 CHOW f Larry Holleran, E C
 1480 WJIT 1 Charles Freedberg, CE C
 1490 WWDE 1 Stephen Gimbert, E D
 KTTR pu Mike Ransdell, Op M D
 CFFS 1 David A. Gillard, CE A
 KYNN 1h Percy Zeigler, CE E
 1510 WINU 1 Glenn F. Bircher, GM F
 KSTV 1 Joyce Rainey, PD F
 1520 WDGL 1 Pam Hood, Trf M I
 1530 WDJZ 1 James J. Elmore, CO I
 1540 WSMI o u/u E
 CHIN 1 u/u, E D
 WOOZ 1 Greg H. Singletary, P I
 WTGF 1 Larry Turner, CE R
 1550 WORL 1 John W. Pierce, P I
 WCTW 1 Lee J. Freshwater, Op M E
 1570 WTQX 1 Herbert Connellan, CE R
 WLDM 1m Curtis H. Hahn, GM Q
 KVRA 1m Doyle Ritter, GM A
 CKTA 1 Sandra Wesley, Trf M H
 1580 WVFR 1m Janice L. Walker, OM D
 WYFA 1 Roger J. Moyers, CE D
 WTTN 1 James M. Hermanson, AE I
 WILA 1 Olvin Jackson, E R
 1590 WGOE q James M. Grainger III, CE I
 WDEL 1 Billy D. Gray, GM A
 1600 WUNR 1 Rosemary Quagan, Trf M K
 WQCK 1 Coy Horton, VP F
 WQCK 1-1 W. R. McDonald, CE R
 WNST 1 G. R. Johnson, CE R
 WQCK 1-2 Don Jones M
 1070 KFDI f Clifford Koch, Corporate E T

550 WSVA qm C. Elsworth Neff, CE D
 570 CKSW qm Mike Klippenstein, CE S
 590 KTHO p Rand Edward Waits, CE H
 630 WKBX 1 William Garwood, CE G
 660 KSKY 1 William Simmons, PD B
 690 WADS 1m Russ Mundschenk, Coop D
 710 KEEL lu R. C. Johnson, CE B
 KPIA 1 Roger Booth, GM H
 730 WJMW r Frank Schrimsher, MxD C
 810 CKJS 1 Neil East, CE T
 850 WEAT 1m Geoffrey Avery, CE O
 KEYH 1 David Armstrong, CE E
 900 WATV 1 Arlene M. Vendrie R
 WIAM 1 William H. Farrior, GM M
 910 KPOF r Warren Wilson, PD E
 WLAS 1 Sklp White, CE I
 940 KVSH 1 Ed Haen, CE B
 WQPC f Rick Hoffman C
 950 WXLW 1 Timothy Bereman, MxD R
 WOTA 1m William B. Farrar, P C
 WWJ 1 Thomas H. Montgoner, CE E
 WJPC 1 Gerald Scrutichions, CE E
 WYWI 1 Arvil W. Burnette E
 CFAM q Ed Post, E N
 960 WFTC 1 William T. Woodward, GM I
 970 WWDJ 1 James Galbreath, CE C
 980 WPHG q Joseph P. Durham, CE G
 CKDM 1 Alain Montpetit, PubRel K
 990 KNIN 1m Eddie Bell, CE T
 WNRV 1 J. R. Boulte, CE G
 KRKS 1 Jan Chadwell, TD B
 1000 CFLP 1m Gilles Fournier, TD Q
 1010 WPMH 1m Cary M. McDaniel, CE MO
 KLRA q Eland Perry, CE C
 1035 4VEH c Mrs. Edna Beachey, Q&S R
 1040 WHO q u/u G
 1050 CKAL 1 Donna Wangler, Prom D H
 CKSB qu O. E. Drouin P
 1070 WAPI c u/u E
 WDEA 1 Engineering Department E
 CFAZ 1 Robert Calder, DoE H
 WKDR 1u Rick Robinson, PD M
 CHOK 1 Karl E. Monk, VP, GM K
 1110 CKJD 1m Ronald J. Sibbitt, CE DK
 1150 KSI S 1m Carl Zimmerschied, CE A
 WJRD pu u/u, GM A
 WJBO f Thomas E. Olive, CE C
 KPLS 1 Hugh Turner, P H
 1170 WHUE 1 Richard Sawyer, CE OQ
 WAMB q u/u M
 KVOO c Don Bahnmaier R
 1190 WKOX 1 John Griffin, CE A K
 WIXE 1 Richard P. Kapushinsky, ACE K
 1220 CKSM 1 John Christian Beaulieu, TD I
 KOFO 1 John Collinson, CE E
 1230 WSHP 1 W.H. Pollard N
 CFFA 1 Ralph H. Parker, O S
 1240 KGUZ 1 William F. Payne, GM T
 KAKE r Frank Gunn, VP, M E
 1250 WNLV 1 Edward A. Lipson, CE F
 WPEL 1 Robert E. Brigham, CE I
 1260 WUFE 1 Thomas E. Tucker, CE I
 WNDR q Roy Taylor N
 1270 WLIK 1 Dwight Walkerson, M I
 1280 KTLK q Brad Hart, ACE E

We still see several Musings contributions which mention receiving veries, but whose wuthors do not send in the signers on a separate sheet of paper for use in this important column. We have a few more on hand, and we urge you to get your latest verie signers in pronto for inclusion in the next listing. This column appears when we have a full page-or-so of signers' names. Send your foreign verie signers to CHUCK HUTTON'S IDXD section, and include the addresses.

As an information item, the following is the current prices for the DX Stamp Service operated by G. N. Robertson, 7661 Roder Parkway, Ontario, N.Y. 14519. Value is for AIR MAIL to U.S. from country shown. Where S (Surface only) is indicated, 2 stamps will provide adequate coverage. Orders under \$2.00 must include a stamped, self-envelope. List stamps needed by prefix and country.

PREFIX	COUNTRY	PRICE
ZP	Paraguay	.80
ZS1-6	South Africa	.70
ZS3	So. West Africa, Namibia	.80
ZS9-A2	Botsswana	.85
3A	Mozambique	.75
388	Mauritius	.85
3V8	Tunisia	.75
4S7	Caylon	.85
4X4-4Z	Israel	.90
5A	Libya	.85
5B-ZC4	Cyprus	.85
5H3	Tanzania	.85
5N2	Nigeria	.80
5R8	Malaysia	.85
5T	Malagasy Republic	.90
5U7	Mauritania	.85
5V7	Niger Rep.	.85
5W	Togo Rep.	.85
5X5	Samoa	.85
5Z4	Uganda	.85
601	Kenya	.85
6M8	Somali Rep.	.85
6Y5	Senegal Rep.	.85
7G-3X	Jamaica Rep. Republic of	.55
7P8	Guinea	.80
7Q	Leotho	.85
7X	Malawi	.85
8P	Algeria	.85
8R	(See VP6)	.90
8R	Guyana	.80
8G	Ghana	.90
8H	Malta	.80
8J	Zambia	.80
8K	Kuwait	.80
8L	Sierra Leone	.85
8M	East & West Malaysia	.85
8N	Zaire, Rep. of	.85
8O	Burundi	.85
8P	Singapore	.85
8Q	Tobago	.85
8R	Trinidad	.80
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