



# DX NEWS

*the magazine of the  
National Radio Club*

— SINCE 1933 —

Volume 47, Number 24 Monday, May 12, 1980.

## CPC TESTS

Two additional tests have surfaced to add some interest to late season efforts. Thanks to the arrangers.

NOTE: A late test is listed on Page 2.

5/18 WQBC-1420 Vicksburg, MS 0130-0230 EDT with 500 watts non-direct-  
Sun. ional. Will use 1000 cycle tone, frequent IDs, big bands and Sousa  
5/19 music, also code IDs. Will also use authenticator phrase. These  
Mon. programs will run each Sun. through July 20 AND each Mon. from  
May 19 through July 21. Reports to: Jim Ayers, WQBC, Box 589,  
Vicksburg, MS 39180. Prepaid calls ONLY will be accepted at (601)  
636-1108. Arranged by Jim Ayers, NRC.

5/26 KTRC-1400 Santa Fe, NM 0200-0230 EDT with 1000 watts the first 15  
Mon. minutes, 250 watts the last 15 minutes. Reports to: KTRC, Box  
2227, Santa Fe, NM, 87501. Arranged by Rob Harrington, IRCA via  
Mike Hardester.

## STATIC FROM HQ

We have a slight buildup of material that has accumulated over the past two months, so this promises to be another "Big-un". Your crew this week is Gary Atkins and Dick Truax, with Pat arriving just in time to number the pages. Pat here--at least I did show up! A couple of items to bring to your attention. First, inside you will find a "fill" item on the NRC Convention. The address listed there, P.O. Box 4768, Panorama City, CA 91412 is the correct address. Somehow the address of the Long-wave Club of America was listed as the NRC Convention address in an ANARC bulletin. Also on the subject of addresses, if you have anything in the form of updated Domestic Log material, corrections, etc. these should be sent to John Callarman at this address: c/o WMIX, Box 1238, Mount Vernon, IL 62864. Next issue is in two weeks--May 26. See you at YAD.....

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## THEY JOINED

- Frank A. Blystone, 258 East Judson Ave., Youngstown, OH 44507
- Larry Weil, KALBCP, 15 Davis Road, Acton, MA 01720
- Paul Zehr, 581 Murry St., Ely, NV 89301
- Paul Kowalski, 1557 N. Farwell Ave., Apt. 105, Milwaukee, WI 53202
- Tom Benintende, RD 1, Bloomsburg, PA 17815
- Albert M. Harmon, III, 30 Woodland St., Hartford, CT 06105
- Pat McGrath, 4762 Romola Ave., LaVerne, CA 91750
- Henry Stein, 2541 Sweetbriar Dr., Campbell, CA 95008
- Samuel T. Crabtree, Sr., 27-27 Holland Circle, William Penn Village,  
New Castle, DE 19720

Welcome - please muse and introduce yourself soon. Report to the other columns also.

# YAD-80

You've heard about it, you've read about it, now it's your chance to be part of it! Ignoring the petitions of enraged citizens, laughing in the face of the cries of the Youngstown Legion of Decency and despite the warnings from the Office of Civil Defense, we once again throw caution to the wind and bring you YAD-80!

Youngstown Area DXers (YAD) invite you to spend Memorial Day weekend, May 24, 25 and 26, in beautiful suburban Youngstown, Ohio.

This YAD marks a milestone in DX gatherings as we celebrate YAD's 10th Anniversary. It was ten years ago that the very first YAD was held and there are still many of the same NRCers coming to this one. Whether you have been to YAD before or not, you are invited.

What is YAD? A chance to get together with fellow DXers, swap tales of DX exploits, see the faces behind the Musings, make new friends and enemies and have a general good time. YAD is open to all medium wave DXers, young and old, from any club, so y'all come.

Where is YAD? Once again we will gather at the Ramada Inn at the junction of Interstate 80 and Belmont Avenue in Youngstown. This Ramada is located a few feet from I-80 and can be seen from the highway. The Belmont Avenue exit (Route 193 on maps) is only 15 minutes from the Ohio Turnpike. We will be located on Youngstown's "motel strip" so there are plenty of alternatives if you don't want to stay at the Ramada, all within walking distance. A list with phone numbers is provided below. Since this is a holiday weekend it is suggested that you make your room reservations ahead of time. This location is the easiest place to find in all of Youngstown so don't worry about getting lost.

Activities? Saturday the meeting room will open at noon and will be in operation until midnight with free beer and pop. Saturday evening the famous YAD Quiz will be given with a prize to the winner. We will have a slide presentation of various radio stations and transmitter locations during which those not interested can sleep, and of course the endless DX bull sessions with your fellow DXers. Sunday the room reopens at noon for open activities. Planned events include the First Annual YAD Beer Can Throw with prizes weather permitting. For those interested we will have a WHOT/WSRD station tour Sunday evening. Although the official YAD activities will end at midnight Sunday, those not needing Monday for traveling will gather for an informal YAD Holiday Picnic and Cookout, again weather permitting. A MM DXpedition to Jerry Starr's DX den will be offered to those interested.

And what does all this cost? Only \$4.00 per person registration fee, payable at the door. This is to defray the costs of our meeting room and facilities. All will receive the YAD souvenir program outlining where to eat, other things to do in the area, and will include several pages of memorabilia from past YADs.

IF YOU ARE COMING PLEASE LET US KNOW AS SOON AS POSSIBLE! It makes planning much easier if we have some idea how many will be there. If you'll be here, write to: Jerry Starr, WSRD Radio, 401 North Blair Avenue, Youngstown, OH 44505. MAKE YOUR PLANS NOW!

RAMADA INN TOLL FREE NUMBER IS 800-228-2828 Other adjacent motels are:

|                   |              |                                |              |
|-------------------|--------------|--------------------------------|--------------|
| Days Inn          | 800-241-7111 | Econo-Travel Motor Motel       | 800-446-6900 |
| Holiday Inn North | 759-3850     | or call your nearest local Inn |              |
| Motel 6           | 759-2183     | Howard Johnson Motel           | 800-654-2000 |
| Quality Inn North | 800-228-5151 | Norman Bates Motel             | Unlisted     |

## TEST

Yes - we have another CPC TEST for you. This one via Ernie Cooper, from non-member Bill Stone:

May 16 Friday WZ00-710 Asheboro, NC 0001-???, 1000 watts directional. Look for the usual different-pitched tones. They've been asked to use Morse code IDs and SIDs and good, loud, slow, accented VIDs so as to get through WOR and other ANs on 710. The verie signer, Lee Simmons, said this PoP would go "May 16 at midnight", so if they are not here as listed above try Saturday, May 17, same time. WZ00, Box 460, Asheboro, NC 27203.

# DOMESTIC DX DIGEST

DAVE SCHMIDT  
42 CHELWYNNE ROAD  
CASTLE HILLS  
NEW CASTLE, DE 19720

We've got another good sized turn out for this issue, thanks to all who sent in their tips, mucho appreciated. When sending in your items, please keep items to 1 side of the paper, type or neatly print, ELT, etc. And now, here goes it:

## DX TESTS

WMLP - 1380, heard by ERC-MA KHYM - 1060, heard by ERC-MA, TB-DC  
WECC - 940, heard by DS-DE, RA-MA, JB-NY. Forgot it - ERC-MA.  
WPEC - 790, heard by EWC-NJ, KDF-IL, ARBO-OH, TB-DC.  
KCEE - 790, not heard by ERC-MA. KWHO - 860, not heard by KG-PA, ERC-MA.

## F/c's

1st Mon....KKAA-1560 (JS-OH)  
KGHL-790 (JS-OH)  
WCNC-1240 TT only (JB-NY, ARBO-OH)  
1st Fri....WPMH-1010 not heard (RA-MA)  
WRBN-1600 w/DT (RA-MA)  
WHBG-1360 w/TT (JB-NY)  
1st Sat....WWSK-580 not heard (RA-MA)  
WIRV-1550 (TB-DC)  
2nd Tue....WSNJ-1240 w/tt, tentative (JB-NY)  
4th Tue....WCHE-1520 w/TT (DS-DE, I know, I do this one-hi!)

The following changes/additions were passed on to me from Hutton Monitoring in Catonsville, Maryland:

1st Fri....WRTA-1240 0015-0030 (new time)  
4th MM....WWEZ-1360 0000-0015 (may be late if RS runs past midnight)  
WVFC-1530 0230-0240 (new!)  
WMBT-1530 0130-0140 (new!)  
WJUN-1220 (phone in deal, station calls monitoring service, probably between 0000-0100).

## SPECIAL

790 WHTH OH HEATH - ex-1000, much stronger w/ROK format. (PRM-OH)  
990 WNYR NY ROCHESTER - 4/23 2150-2300 weak w/WZZD nulled, YL annc'r, CW mx, "The new 9-90, WNYR". No nx, few spots. (RM-MA)  
Noted 4/3, poor days, very poor at night til CBW s/off then better. (NJW-ON)  
Noted AN MM 4/7, off MM 4/14. (JB-NY)  
1020 KDKA PA PITTSBURGH - 4/7 tentative, very weak, believe tele-talk, not sure about call, not sure if radio was on or in neighbors house. (Bedoya-Pittsburgh)  
1300 WJDA MA QUINCY - S/off is 1800 daily regardless of LSS. (RM-MA)  
WPNH NH PLYMOUTH - now logable u/semi-local WJDA but they often top freq. before s/off at LSS. (ERC-MA)  
1410 WPOP CT HARTFORD - SM SP now 0206-0300, carrier stays on most of that time. (ERC-MA)  
1430 WVAM PA ALTOONA - Studio/transmitter destroyed by fire after MM s/off 4/7, back on air by 4/13 w/donated equipment from area stations. (JWB-PA)  
1450 WKRI RI W. WARWICK - now AN-7, w/Larry King, pop mx on MM's, noted 4/21, o/u WWSC. (ERC-MA)  
1610 WQTU PIRATE - 4/2 0203-0235+ weak but readable, programming consisted of rock mx, "Q-2" ID's, no other talk. Looped 120/300 degrees, Cleveland area? (JS-OH)

Ron Musco reports that WPOE-1520 is still not on as of 4/23.

We also received a newspaper clipping from an unknown source in Chicago from the CHICAGO TRIBUNE noting WCFL seeks to change calls to WWTN.

## MIDDAY - MIDNIGHT

540 KWMT IA PORT DODGE - 4/6 1952 o/CBEF w/ID. (NK-DA-NY)  
WLIX NY ISLIP - 4/16 1657 now ID'ing as the "All Christian Alternative" w/promo for Interaction show. (GW-PA)  
550 WKRC OH CINCINNATI - 4/10 2149 fair in WGR null w/talk show. (BL-ON)  
560 WIND IL CHICAGO - 4/2 1934 poor w/spot and "Newstalk 56" ID (BL)

1450  
NEWS  
RADIO

580 CKAP ON KAPUSKASING - 4/15 1845 poor w/ID, rock mx, hockey tournament, heard over next few days, also. (BL-ON) (BL)  
 CFRA ON OTTAWA - 4/16 1747 weak, in briefly w/ID, Tommy James mx.  
 WHP PA HARRISBURG - 4/2 1810 fair w/PSA, wx, ID. (BL-ON)  
 600 CFCH OH NORTH BAY - 4/16 1821 fair w/local spot for Income Tax & Bookkeeping Service, 1st time here. (BL-ON)  
 KSJB ND JAMESTOWN - 4/6 2230 u/WMT w/Twins baseball. Call to station confirmed it was they, new state for us. (NK/DA-NY)  
 WMT IA CEDAR RAPIDS - 4/6 2154 O/WIGC & others w/BFL mx, CBS net. mentions, CST time checks. (NK/DA-NY)  
 610 WDAF MO KANSAS CITY - 4/6 2153 on top w/CW mx, Country 61 ID's. (NK)  
 630 WLAP KY LEXINGTON - 4/6 2240 noted w/Reds baseballs w/others. (NK/DA)  
 660 WNBC NY NEW YORK - 4/9 2245-2345 noted off, call to friend at station next day confirmed, happened during his show. (ARBO-OH)  
 680 WRKO MA BOSTON - 4/7 1822 good w/68-RKO slogan, never noted at SSS before due to WNYR. (JB-NY)  
 700 WLW OH CINCINNATI - 4/17 1221 stock market nx, then MoR. (WPT-MD)  
 790 WEAQ WI EAU CLAIRE - 4/6 1730 tentative, weak ID u/WBAN. (NK/DA)  
 CKSO ON SUDBURY - 4/3 2140 poor u/CHIC w/ads, ID. (BL-ON)  
 800 CJBQ ON BELLEVILLE - 4/17 2141 poor u/CKLW/PJB w/ID. (BL-ON)  
 860 WYJZ PA PITTSBURGH - 4/5 1859 s/off by male annr w/ID, fair and all alone, #9 on 860. (WPT-DC)  
 880 WRFD OH WORTHINGTON - 4/6 1912 well atop WCBS. (NK/DA - NY)  
 910 WFDF MI FLINT - 4/6 2128 noted atop w/ID. (NK/DA - NY)  
 970 WAVE KY LOUISVILLE - 3/24 2132 poor w/BKB, ad. (BL-ON)  
 WFUN OH ASHTABULA - 4/1 1855 strong w/rr, plenty of spots. (JB-NY)  
 1000 WSUM OH PARMA - 4/22 1846 noted w/ID by male then wx w/female. #15 on 1000 for me. (WPT-DC)  
 1040 WHO IA DES MOINES - 4/17 1313 985 mile daytime reception on beverage, peaking poor to fair, ID noted. (NK/DA-NY)  
 1070 WKDR NY PLATTSBURGH - 4/1 1845 s/off noted w/female annr, SID & VID, no SSB. (ERC-MA)  
 1090 WMUS MI MUSKEGON - 4/2 1840 poor w/car spot, promo for Cash Call. (BL)  
 1110 WJML MI PETOSKY - 4/2 1843 fair w/ID, regular at SSS. (BL-ON)  
 WMBI IL CHICAGO - 3/2 1859 poor w/s/off. (BL-ON)  
 1130 WISN WI MILWAUKEE - 4/2 1851 fair w/local ad's, Radio 11 ID. (BL)  
 1190 WLTB NY NEW YORK - 4/13 1915 s/off noted w/mention of XR at Lyndhurst, NJ. (WG-MA)  
 WOWO IN FORT WAYNE - 4/17 1330 mixing u/others w/ads for places in Indiana. (NK/DA-NY)  
 1210 WKNX MI SAGINAW - 4/6 1842 way o/WCAU w/wx. (NK/DA - NY)  
 WILY IL CENTRALIA - 4/6 1924 way u/WCAU w/"Willie" ID, tent. (NK/DA)  
 1240 WRTPA PA ALTOONA - 4/2 1831 mixing w/WSNJ. (WS-NJ)  
 WDNE WV WILKINS - 4/3 1905-1912 "Mountain State" net., nx, wx. (MT-MD)  
 1320 WAGF AL DOTHAN - 4/23 1932 ID then into baseball, u/WVOJ. (EM-FL)  
 1330 WYGO KY CORBIN - 3/30 1915 on top w/s/off, no SSB. (KG-PA)  
 1340 WHAP VA HOPEWELL - 4/11 1900 rock, ID then nx. (MT-MD)  
 WSTV OH STEUBENVILLE - 4/12 1812 topped freq. for beautiful taped ID then gone to jumble. (GW-PA) I can think of a better place than that - hi! (DS)  
 1350 WWBR PA WINDBER - 4/2 1913 s/off w/vocal SSB, 15 min. after normal s/off time, al la WPME. (KG-PA)  
 UNID 4/1 1915 CW mx then s/off w/vocal SSB. (MT-MD) Mike, looks like WWBR to me. (DS)  
 1360 WSAI OH CINCINNATI - 3/31 1928 noted w/"Star Tracking" program, followed by wx then mx. (ARBO-OH)  
 WIXZ PA McKEESPORT - 4/15 1905 noted w/Pittsburgh wx, CW mx. (MT)  
 1370 WDEF TN CHATTANOOGA - 4/19 2200 w/ID, Braves baseball. (EM-FL)  
 WLTC NC GASTONIA - 1858 4/21 CW mx, s/off w/vocal SSB. (MT-MD)  
 1380 WLCY FL ST. PETERSBURG - 4/8 1905 strong w/rock mx, "The Great Entertainer." (MT-MD)  
 1410 CKSL ON LONDON - 4/6 2111 w/Radio London/CKSL ID. (NK/DA-NY)  
 WPOP CT HARTFORD - 4/1 2107 fair w/Accuweather, ID "Newsradio WPOP." (BL-ON)  
 1420 WDBF FL DELRAY BEACH - 4/8 1853 w/Mor Mx, WRBD nulled. (EM-FL)  
 WKGW VA WARRENTON - 4/5 1846 on top w/s/off, SSB. (KG-PA)  
 WKYZ NY HERKIMER - 4/23 1842 on top w/wx, 1844 s/off w/female. (KG)  
 1430 WXKS MA MEDFORD - 4/7 1830 strong w/ID then quick fade. (JWB-PA)

**WKMC**  
 The Cove Broadcasting Company  
 Roaring Spring, Pennsylvania 16673

CKAN Radio Limited  
 P.O. BOX 1480  
 NEWMARKET, ONTARIO  
 L3Y 4X1

**WGFP am 94**  
 The Great Lake Station  
 Box 930, Webster, MA 01570

1440 WJVL NY NIAGARA FALLS - 4/5 1825 on top w/oldie from '73. (KG-PA)  
 WGIG GA BRUNSWICK - 4/8 1900 full ID then nx. (EM-FL)  
 WBUY NC LEXINGTON - 4/10 1900 Carolina wx, ID then gone at power drop. (MT-MD)  
 1450 WIIN NJ ATLANTIC CITY - 3/31 1928 atop w/local wx. (KG-PA)  
 WJPA PA WASHINGTON - 3/31 2130-2150 noted atop w/mx, ID. (KG-PA)  
 1460 KSO IA DES MOINES - 4/6 2024 well atop w/ID noted. (NK/DA-NY)  
 WRAD VA RADFORD - 4/3 1847 local ads, CW mx. (MT-MD)  
 WBNS OH COLUMBUS - 4/10 1914 noted w/ticket sale ad, male/female annr. (MT-MD) 3/30 1130 fair/poor w/local spot. (ARBO)  
 1470 WPDM NY POTSDAM - 4/1 1845 rather weak w/s/off. (JB-NY)  
 1500 WSEM GA DONALSONVILLE - 4/22 1915 weak w/s/off, o/WTOP. (EM-FL)  
 1520 WTBE NY MINEOLA - 4/16 1632 basic religious format w/phone # and address for spiritual correspondence. (GW-PA)  
 1540 KXEL IA WATERLOO - 4/8 1945 gave full ID, then pattern change in ZNS null. (EM-FL)  
 WNRE OH CIRCLEVILLE - 4/15 1914 s/off atop, female annr w/mx. (DS)  
 CHIN ON TORONTO - 4/4 18 1900 Italian program, s/off then GSQ. (MT)  
 4/6 1859 crushing WPTR w/Italian program then s/off. (NK/DA)  
 1550 WDLR OH DELAWARE - 4/6 1906 w/ID u/CBE. (NK/DA-NY)  
 WVAB VA VIRGINIA BEACH - 4/17 1845 caught at s/off w/"Goodnight My Love" and that they "unfortunately" must leave the air, sounds like they want fulltime. (GW-PA) CP for night operation before the FCC but nothing done so far. (DS)  
 1560 WFSP NC KINGSWOOD - 4/6 1900 w/WQXR and others at s/off. (NK/DA-NY)  
 KAJN LA CROWLEY - 4/23 1958 w/religious nx, ID, good. (EM-FL)  
 WWBK NY BROCKPORT - 4/18 1900 s/off, no SSB, thru WQXR. No freq. change on this one yet. (KG-PA)  
 1570 WKKS KY VANCEBURG - 4/10 1915 o/CFOR/CKLM w/s/off, no SSB. (KG-PA)  
 WFRL IL FREEPORT - 4/21 1942 pop oldies into full s/off, noted for last 4 days! (EM-FL)  
 1580 WAMY MS AMORY - 4/21 1928 s/off noted w/no SSB. (EM-FL)  
 WORV MS HATTIESBURG - 4/21 1930 mx, then into s/off, good. (EM-FL)  
 WJVA IN SOUTH BEND - 4/6 1919 on top w/local spots, s/off 1930 (NK/DA)  
 KWNT IA DAVENPORT - 4/6 1930 o/WJVA at s/off. (NK-DA-NY)  
 KPIK CO COLORADO SPRINGS - 4/6 2100 tentative, both thought KPIK ID was heard, mention of serving tri-cities. Help?(NK/DA)  
 1590 WGGO NY SALAMANCA - 4/2 1855-1900 recently became a SSS regular here, "GO-16", "Your Creation Station" ID's. (MT-MD)  
 1600 CHNR ON SIMCOE - 4/5 1940 on top w/Top 40 mx. (KG-PA)  
 WNEU WV WHEELING - 3/24 good at 1830 s/off, they said "We don't want to s/off but the FCC says we must. Invited listeners to take in a movie or watch TV but leave dial at 1600. (JB)  
 WRBN GA WARNER ROBINS - 4/21 2008 w/soul concert promo, mx, ID. 500 watts, new calls, ex-WQCK. (EM-FL). They were WRBN about 2 years ago, switched to WQCK now back to WRBN. (DS)  
 WKXQ NC REIDSVILLE - 4/3 1930 super loud w/Ae nx, wx, "KXQ", ID's, (enough to drive you nuts-hi!), ex WFRG. (MT-MD)

**MIDNIGHT MADNESS!**



540 WGTO FL CYPRESS GARDENS - 3/31 0025 loud on ET. (TB-DC)  
 550 KOY AZ PHOENIX - 3/7 0617 fair to strong w/ID, mx. (JFJ-GA)  
 560 KSFO CA SAN FRANCISCO - 3/7 0611 noted off this AM, occ. OC. (JFJ)  
 KLZ CO DENVER - 3/7 0636 weak o/UNID ending farm rpt., ID. (JFJ)  
 KMON MT GREAT FALLS - 3/7 0745 good signal, annr switch to day pattern. (JFJ-CA) Field day on 560, Joe? (DS)  
 590 WOW NE OMAHA - 4/7 0302 fair/poor u/several UNID's w/local WARM off, full ID then mx, state #36 the hard way. (WS-NJ)  
 Try for KPAB-1110 at SSS, Walt. (DS)  
 600 WMT IA CEDAR RAPIDS - 4/7 0245 ID noted w/Cuban nulled. (EWC-NJ)  
 610 WIOD FL MIAMI - 4/21 0305 good signal thru WIP, pop mx. This was my 1st station logged, 12/1925 w/Wonderful Isle of Dreams ID. (KG-PA)  
 UNID 4/21 0307 TT noted thru WIP/WIOD. (KG-PA)  
 620 WSUN FL ST. PETERSBURG - 4/10 0003 ID by male into CW mx, poor w/CTB-610 splash, rare here. (NJW-ON)  
 680 WRKO MA BOSTON - 4/9 0200 noted w/"Firepower Pinball" promo. (TJ-NJ)  
 CFTR ON TORONTO - 4/7 0036 in well w/Top 40 mx. (ARBO-OH)  
 710 WOR NY NEW YORK - 4/21 noted off this AM. (RA-MA) %&\*! (DS)  
 CJRN ON NIAGARA FALLS - 4/21 0340 on top w/pop mx, WOR off, occ. HJNX interference. (KG-PA)  
 UNID 4/21 0346 SSB noted thru CJRN/HJNX, couldn't tell if it was a s/on or s/off. (KG-PA)  
 KFIA CA CARMICHAEL - 4/7 0440 noted off this AM. (JFJ-CA)  
 KMPC CA LOS ANGELES - 4/7 0448 ID noted then OC, o/KIRO. (JFJ-CA)  
 790 WAEB PA ALLENTOWN - 4/8 0019 good w/rr and Lehigh Valley wx. (JB-NY)

860 WAYE MD BALTIMORE - 4/1 0530 weak/fair w/s/on, no SSB, just as CJBC put tone on. (KDF-IL)

WFMO NC FAIRMONT - 4/2 0544 fair w/s/on, what sounded like a promo for "Kix-rock". (KDF-IL) To much DX'ing-hi! (DS)

870 WHCU NY ITHACA - 4/1 0531 loud w/SSB, s/on, unn. (KDF-IL)

910 WAVL PA APOLLO - 4/2 0600 s/on w/ISSB, gives PSA power as 129 watts, daytime w/5000 watts directional, so new power is on. Log gives PSA power as 350 watts, wrong. (JS-OH)

920 WMMN WV FAIRMONT - 4/16 0559 s/on w/SSB, then CBS nx, o/WTTM. (KG)

CKCY ON SAULT ST. MARIE - 4/21 noted on top w/wx, sports, CW mx, announc'ing "Great Lakes Country". (KG-PA) No time given. 4/7 0315 on top w/mx. (TJ-NJ)

930 WSEV TN SEIVERVILLE - 4/2 0558 s/on w/ISSB w/500 watt PSA. (JS-OH)

950 WWJ MI DETROIT - 4/7 0130 ID followed by wx. (ARBO-OH)

960 WERC AL BIRMINGHAM - 4/7 0400 noted w/pop mx. (TJ-NJ)

970 WFUN OH ASHTABULA - 4/8 0154-0202 noted on PoP w/WCSH nulled. (ERC)

WCSH ME PORTLAND - 4/7 0230 copied long enough for ID then faded (TJ) 4/3 0144 on top of most-wanted list, fair w/"970-CSH" ID's. (JB-NY)

WNSW PA PITTSBURGH - 3/24 0220 noted w/pop mx, good signal. (TJ-NJ)

980 WRC DC WASHINGTON - 4/21 0600 nx, ad, nx, ad, nx, ad, nx, ad, nx... ugh! Tough catch here. (MT-MD) What, no CKGM? (DS)

CKNW BC NEW WESTMINISTER - 3/21 0217-0229 weak w/many vintage radio intro's. (JFJ-CA) Does Julio Gallo own this station? (DS)

990 WEEB NC SOUTHERN PINES - 4/1 0545 weak u/WNOX/CBW OC/TT w/SSB then s/on, pop mx. (KDF-IL)

KRKT OR ALBANY - 3/14 0818-0823 good in XECL null w/Cricket Country Club promo. (JFJ-CA)

1000 WHWB VT RUTLAND - 4/7 0528<sup>2</sup> weak but in clear w/SSB, s/on, then nx, fast fade out. S/on 15 min. later than on maps, a good shot for those needing Vermont, check summer MM's w/WCFL off. (KDF-IL)

1010 KLRA AR LITTLE ROCK - 4/16 0520-0530 way over WINS/CFRB w/CW mx, ad's. (KG-PA)

WGUN GA DECATUR - 4/2 0559 s/on w/SSB at good level. (KDF-IL)

WIOI OH NEW BOSTON - 4/1 0608 fair thru WCFL slop w/pop mx, "I-101" ID's, contest promo. (KDF-IL)

WHIN TN GALLATIN - 4/1 0616 dominant w/s/on, no SSB. (KDF-IL)

WXYQ WI STEVENS POINT - 4/4 0615 good w/s/on, polka mx, most ID's heard as WSPT (their FM). (KDF-IL)

1060 CJRP PQ QUEBEC CITY - 4/7 0515 in well w/mx, FF announc'r. (TJ-NJ)

KBGN ID CALDWELL - 3/7 0816 weak w/ID then Daily Bible Reading. (JFJ)

WQ10 OH CANTON - 4/5 0115 noted call letters only, possibly ending ET, ID was loud/clear. (TB-DC)

UNID 4/3 0619-0656 numerous ID's noted for WHNI, suspect call letter change for Mebane or Monroe, NC. Whozit? (TB-DC)

1070 WFLI TN LOOKOUT MOUNTAIN - 4/9 0145 good on ET w/50000 watts. (TJ)

1080 WEEP PA PITTSBURGH - 4/3 0554 good w/CW mx, ID, NBC nx. (KDF-IL)

WZTQ WV HURRICANE - 4/2 0604 fair through KRLD w/wx, ID. (KDF-IL)

KYMN MN NORTFIELD - 4/4 0700 strong w/s/on, nx, unn. (KDF-IL)

1100 WWVE OH CLEVELAND - 4/2 noted 0118 w/another MM SP, could this be regular again? (JS-OH)

1110 WZAM VA NORFOLK - 4/20 0541 noted w/oldie then quickie promo, u/WBT OC. (DS-DE)

1190 CHTN PEI FREDERICTON - 3/24 0120 noted w/pop mx, female DJ. (TJ-NJ)

1200 WOAI TX SAN ANTONIO - 4/7 0139 in w/talk of some sort, very poor for 50 kw. (ARBO-OH) Ever hear of English? (DS)

1230 KYJC OR MEDFORD - 3/7 0853-0854 wx, ID then Ac nx. Noted again 3/14 0900 w/ID then rock. (JFJ-CA)

WESX MA SALEM - 4/6 1815-1816 w/local WJNF nulled, caught mention of Salem then SSB. Sked. in log still correct. (RM-MA)

1240 KLOA CA RIDGECREST - 4/7 0600 loud w/WBBW programming. (JS-OH)

1250 WKBR NH MANCHESTER - 4/7 noted AN this MM, 0251 w/Top 40 mx, ID, promo. Sked change? (RA-MA)

KTMS CA SANTA BARBARA - 3/7 0530 fair w/s/on w/electronic mx. (JFJ)

1260 WBBG OH CLEVELAND - 4/8 0200 weak w/ID, mx. (TJ-NJ)

1270 CJCB NS SYDNEY - 4/7 0430 fair w/CW mx. (TJ-NJ)

1280 WPXN NY ROCHESTER - 4/22 0259 picked out w/Larry King, PSA, local ID, o/u WADO/GJMS/CKCV. (ERC-MA). 4/1 0540-0635 way atop w/local signal, PSA's and nx. (KG-PA)

KKAL CA ARROYO GRANDE - 3/19 0925-0926 w/mx, ID, local ad. (JFJ-CA)

WCPM KY CUMBERLAND - 4/3 0102 good u/WADO w/TT, ID's. (WS-NJ). That should be in the f/c part, figures....(DS)

1290 WKNE NH KEENE - 4/6 noted AN this Easter morn., w/fund raiser, CBS nx on hour, normally off at 0000. (ERC-MA)

CHRM PQ MATANE - 4/23 on top all AM, FF. NSP. (ERC-MA)

WJBR DE WILMINGTON - 4/15 0100-0215+ noted on OC, weak. Suspect 500 watt PSA, CJBK/WHIO/WFBG all readable under, no ID's given. (DS-DE)

1310 WTLB NY UTICA - 4/10 0528 on top w/farm nx. (KG-PA)

WEEL VA FAIRFAX - 4/10 0535-0600 o/WTLB w/Christian songs. (KG-PA)

WGH VA NEWPORT NEWS - 4/10 0555-0602 on top w/nx, followed by mx. (KG-PA)

WLSW WV WHITE SULPHUR SPRINGS - 4/10 0558 s/on w/no SSB, then ABC nx. (KG-PA)

1320 WHHO NY HORNBELL - 4/1 0545 s/on w/SSB o/local WKAP. (KG-PA)

CFGM ON RICHMOND HILL - 4/20 0140 on top w/CW mx, WKTQ was #2 station, WKAP was off. (KG-PA)

1330 WKKR IN EVANSVILLE -3/30 0150-0250 w/CW mx, o/u WFBC. (KG-PA)

1340 WIRY NY PLATTSBURGH - 4/6 0040 on top of din w/ID. (JB-NY)

WDCR NH HANOVER - 4/7 0119 on top w/Request Line show, unn. but seldom heard. (ERC-MA)

KBBR OR NORTH BEND - 3/7 0849-0850 CW mx, ID then PSA. (JFJ-CA)

1350 CKAR ON OSHAWA - 4/1 0600-0605 on top w/nx, Motor City ID's. (KG)

WLNH NH LACONIA - 4/8 0546 on top w/wx then Olivia Newton John record. (KG-PA)

WNLK CT NORWALK - 4/9 0515-0530 on top w/mx, PSA. (KG-PA)

KCKC CA SAN BERNARDINO - 3/7 0544 Poor signal, ID & mx. (JFJ-CA)

1360 WIZZ PA McKEESPORT - 4/2 0635 atop w/CW mx. (KG-PA)

1370 WKMC PA ROARING SPRINGS - 3/30 0645 strong w/spot for Altoona business. (JB-NY)

WELV NY ELLENVILLE - 3/30 0635 on top w/sports then jx. (JB-NY)

WNVF CT NAUGATUCK - 3/30 0642 loud w/rr. (JB-NY)

WACB PA KITTANNING - 4/1 0600 s/on w/SSB. (KG-PA)

WSYB VT RUTLAND - 4/2 0615-0625 on top w/MoR, ads. (KG-PA)

UNID 3/31 0109-0146 TT'er on/off, varying tones, no ID's (ERC) (No date-DS) Somebody noted here running Larry King AN, help? (ERC-MA). I believe it's WTOB, Ernie. (DS)

1400 WDUZ WI GREEN BAY - 4/7 0300 beautiful ID, back 0308-0320+ w/rr(JS)

WSAM MI SAGINAW - 4/7 0148 on top w/ID then rr. (JS-OH)

WVRC WV SPENCER - 4/13 0114-0117 apparently on an ET w/rr, ID noted then gone, probably using day power. (JB-NY)

UNID Somebody here w/CW mx, AN-7, NBC nx on hour, noted for past couple of months, seldom a word spoken. (ERC-MA)

1420 WEMB TN ERWIN - 4/10 0615 on top w/local spots. (KG-PA)

1450 WLKS KY WEST LIBERTY - 3/25 0544 time check, ID then gone. (KG-PA)

WLYV IN PORT WAYNE - 4/2 0051 poor w/ID in mess. (WS-NJ)

WATA NC BOONE - 4/2 0059 on top w/ID then nx. (WS-NJ)

WKAL NY ROME - 4/25 0529 w/s/on followed by America the Beaut.(KG)

WWSC NY GLEN FALLS - 4/4 0035 good at end of Ac nx, wx for Glen Falls and Lake George. (JB-NY)

WILM DE WILMINGTON - 4/28 PoP conducted 0200-0400 w/TT. (DS-DE)

1460 WBET MA BROCTON - 4/5 1730 noted w/contest promo. (TJ) \*%#&#@, I put this in the wrong place.....(DS)

WWWG NY ROCHESTER - 4/2 0120 poor w/mx. (WS-NJ)

1480 WUEZ VA SALEM - 4/15 0140 noted ending ET w/rr, as usual, loud.(DS)

1500 WDEN GA MACON - 4/7 0108 weak w/WDEN-FM ID's, no mention of AM. (WS-NJ) 4/7 0006 noted w/wx then CW mx, fair to good, now on AN, #5 on 1500. (WPT-DC) 4/7 0100-0130 w/RS, IDing as WDEN-FM and just WDEN, no test mentions. (JWB-PA) 4/7 0120-0240+ in well w/ET using WDEN-FM CW RS. (JS-OH) 4/7 0253-0307+ on ET simulcasting WDEN-FM w/CW mx, UPI nx on hour. Good til WCZY s/on 0300 then weaker. (RA-MA) 4/7 0025-0100 weak w/CW mx, seemed to be WDEN-FM ID's only, apparently FM RS. (JB-NY) 4/7 0007-0414 running non stop WDEN-FM pgm., ET? (TB-DC) Nothing more than a mere ET, FCC sez OK on this as long as no spots are run.(DS)

1520 WKBW NY BUFFALO - 4/1 noted on ET w/TT, 0210-0250+. (JS-OH). That was a PoP, Jerry, and I had WCHE on til 0215. (DS)

1550 WKBA VA OREGON CITY - 3/7 0500 fair w/end of PSA, ID then CBS nx(JFJ)

WBFJ NC WINSTON-SALEM - 4/19 0507-0525+ ET w/rock religious mx, topping WUTQ 0515 s/on, many ID's. (DS-DE) 4/20 0128-0154 ET w/gospel stuff al la WMOO. (NJW-ON)

WMOO AL MOBILE - 4/7 0120 some kind of mx and quick ID, believe using dial tone 0135-0145 (PRM-OH) 4/7 0200 ET'ing as usual. (JWB-PA) 4/7 0115 Etc., unlisted f/c w/dt 0130-0145 but who cares. (JS-OH) 4/14 noted noted this MM. (DS-DE) 4/15 0115 noted on a Tuesday AM, etc., etc., etc. (DS-DE) 4/2 0525 CW mx, EST time checks, female announc'r, suspect new WKVL. (JS-OH)

UNID

CBE ON WINDSOR - 4/7 0110 way o/WMOO ET w/wx, stayed that way til s/off. (ARBO-OH) Catch of the week, Dave? (DS)

WTBP TN PARSONS - 4/1 0154 ending ET, noted w/TT earlier. (TB-DC)

WYOU FL TAMPA - 4/4 0120-0130+ ET w/instr. mx, ID 0128 (JB-NY)

WIRV KY IRVINE - 4/5 0123 loud w/ID during ET w/rr. (JB-NY)

- 1560 KLTJ MO MACON - 3/26 0133-0203 fair on ET w/mx per ERC tip, ID'ed at end. (PRM-OH)
- WSMD MD LAPLATA - 4/6 0532 alone w/s/on, annr'r interrupted program on FM to mention that the AM was now on. (RM-MA)
- 1570 CKLM PQ MONTREAL - 4/7 0050 FF DJ, US Top 40 mx, in well. (ARBO)
- 1580 KNIX AZ TEMPE - 3/19 0200-0308 poor u/CBJ TT, poor to good after 0220, numerous PSA's, CW mx. #1 from AZ for me, made the season a success! (TB-DC)
- WPGC MD MORNINGSIDE - 4/6 0530 s/on mentioning powers but forgot them, weak. (RM-MA) That figures. (DS)
- WSRF FL PORT LAUDERDALE - 4/4 0037 unusually strong w/CW mx. (JB)
- WYFA NY PATCHOGUE - 4/12 0106-0203+ loud on ET/ID's, pop mx, taking requests, mentions 10000 watts. (RA-MA)
- WORV MS HATTIESBURG - 4/7 F/c w/usual organ mx ending 0105. Listed for 0215-0230 on 3rd MM, switched times/mornings. (JS)
- 1590 WGOE VA RICHMOND - 3/24 0130 album rock then ID and off. (TJ-NJ)
- 1600 KATZ MO ST. LOUIS - 4/7 & 3/31 circa 0300, loud w/B/SOL format both MM's. Pattern must be out of whack. (ERC-MA) Not really, Ernie, could be an ET on day pattern. (DS)
- WINX MD ROCKVILLE - 4/20 0544 noted w/Pancake Cottage spot then MoR, not often heard. (DS-DE)
- WWRL NY NEW YORK - 4/7 0100 s/off w/VID then ISSB, slop from WAKR but good for 5000 watts. (ARBO-OH) Yeah, to good! (DS)
- WAYC PA BEDFORD - 4/21 0631 local nx and local spot, poor w/CHNR & WAAM. (NJW-ON)
- WNST WV MILTON - 4/20 0205-0218 ET w/CW mx, loud ID 0215, fair w/WWRL. (NJW-ON)
- UNID 4/4 0135-0146 dial tone ET, w/weak ID noted. (TB-DC) Tom, you bagged the f/c of WRBN-Warner Robbins, GA. (DS)

SCHMIDT DOES IT AGAIN DEPT.

MIKE TUGGLE writes...."Are you sure JERRY STARR's 1240-CKGO logging (DDXD 4/7) wasn't suppose to be on 4/1?" Mike, to be honest, we're not to sure of Jerry anymore. It's rumored he is now DX'ing via remote control from Crystal Beach, Ontario! Claims Swan Island will be back on the air next year! And Jerry Starr writes: "By the way, Schmid (sic)....How come you left my name out of the Vol. 47, #21 contributors? Who do you think I am?" Because, Jerry, I forgot your name....I was going to put in Fritz Borgwart but I didn't think that'd be to nice!

WE'VE BEEN MADE POSSIBLE BY GRANTS FROM THE FOLLOWING:

- |          |   |                          |
|----------|---|--------------------------|
| EWC-NJ   | Eric W. Cruser, Lakehurst, NJ               | SX42, LW                 |
| JWB-PA   | Joe Braner, Punxsutawney, PA                | A2515, LW, Loop          |
| PRM-OH   | Paul Mount, Nelsonville, OH                 | Stuperadio               |
| TJ-NJ    | Tom Jackowski, Parlin, NJ                   |                          |
| JS-OH    | Jerry Starr, Hubbard, OH!                   | HQ180, Looped            |
| JFJ-CA   | Joe Jergel, San Fran., CA                   | Satelit 3400, DA5        |
| KDF-IL   | Karl's Forth, Chicago, IL                   | HQ160, 3x3 spiral loop   |
| KG-PA    | Kermit Geary, Walnutport, PA                | HQ-180, R389, URR (2) LW |
| WPT-DC   | William P. Townshend, Washington, DC        | TRF                      |
| WPT-MD   | William P. Townshend, at work (Take a radio | to Lunch, today!)        |
| GW-PA    | George Walton, Easton, PA                   | RF2200, Sanserino loop   |
| RA-MA    | Ray Arruda, Acushnet, MASS                  | SX-122, 12 oz. beverage  |
| RM-CT    | Ron Musco, Windsor, CT                      | HQ180, etc.              |
| EM-FL    | Ed Mitkus, Tampa, FL                        | Sony 5900W, SM2          |
| ERC-MA   | Ernest R. Cooper, Musingville, MA           | HQ-180, TRF, R390        |
| MT-MD    | Mike Tuggle, Bel Air, MD                    | Lynodyne Xtal, LW        |
| NW-ON    | Neil Wolfish, Toronto, ON                   | FRG7, TRF                |
| JB-NY    | Jerry Bond, Rochester, NY                   | RCA 86T, TRF, LW         |
| NK/DA-NY | Neil Kazaross/Doug Allen, Amsterdam, NY     | HQ180, 2000' beverage    |
| WG-MA    | Warren Greenburg, W. Roxbury, MA            | TRF                      |
| BL-ON    | Bob Loewen, Oakville, ON                    | TRF                      |
| ARBO-OH  | Dave Arbogast, Edinburgh, OH                | DX-160, (2) LW's         |
| TB-DC    | Tom Bull, Washington, DC                    | 51J4, HQ-180             |
| WS-NJ    | Walt Sharp, Cinniminson, NJ                 | TRF, ICF 5900 W          |
| DS-DE    | Your goofy editor, New Castle, DE           | HQ180, TRF, SM2          |

KLIF



That is everything up to Tuesday eve. 4/29, and with this, I'll enclose a picture of myself after taking 7 1/2 hours to cut and type this column up!

73's & Good DX!

# INTERNATIONAL DX DIGEST

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

Times are GMT. For ELT subtract 4 hours. Deadlines are usually Monday.

- 164 FRANCE Allouis 3/16 0555 very poor to poor. FF woman talks and some singing. 0600 man and woman alternate-news? 0603 tape? by man, Pakistan mentioned. At times fair but buzz static and thunderstorm static. (Poda)
- 525 COSTA RICA very good w/UTE QRM w/MoR LA mx and Rumbos ID 0222 3/29. (Kazaross)
- 531 ALGERIA Ain Beida 0424 4/7 in fair with their unmistakable AA walling and moaning, hi. (Kazaross)
- 535 GRENADE good w/big band mx 0037 3/29. (Kazaross)
- 540 MEXICO XEWA probable w/cl mx, Mexico mention, SS talk by man and woman then singing commercial 0540 4/5. (Connelly)
- 540 VENEZUELA R. Perija, Villa del Rosario, ID at 2055 on 4/5 as "Primera en sinconia, primera en el dial" (first in rating, first on the dial), a slogan very often used was "la potencia radial del Zulia" (Zulia's radio might), usually with pop mx. (Objio)
- 550 PUERTO RICO WPAB Ponce very good w/nx, ID at 2125 on Thursday 4/3. (Objio)
- 555 ST. KITTS "This is National Radio", ID this way announcing 20,000 watts at 2129 on 4/3 and some local mx. (Objio)
- 560 JAMAICA JBC Kingston w/s religious talk and songs at 0253 on 4/5. (Objio)
- 570 VENEZUELA R. Rumbos, Villa de Cura, very good in the daylight w/R. Cristal off for the Holy Week. ID at 2122 on 4/3. (Objio)
- 575 COSTA RICA R. Nacional, San Jose, no ID heard at 0306 on 4/4. They had cl mx with a soprano singing something like an oratorium, not so good for the announced 50 kw, looped CR. (Objio)
- 580 VENEZUELA La Voz de la Fe, Maracaibo heard not very easy as at other times, heard now due to the Holy Week, religious pgm at 2100 4/5. (Objio)
- 585 SPAIN Madrid 0544 4/7 in fair with some WEEI slop! Heard mentions of "Espanol" in SS of course. (Valdron)
- 595 DOMINICA heard in passing, very good, nx, no ID, heard at 2135 on 4/3. (Objio)
- 600 CUBA San German CMKV carries Radio Moscow regular 2300-0500 sked but gives frequency as .59 megacycles. (Poda)
- 603 TRANSKEI have been checking here for Transkei evenings about 0400 so far without locating any carrier from the East. The new 500 kw African here is the same distance from NYC that New Zealand is from Denver, so if it radiates as much as 10 kw to North America, seems to me it should not be so difficult to hear in the eastern US. Much weaker New Zealanders are often heard in Denver and the propagation situation ought to be the same for Transkei. (Martin) Well, on paper it looks that way but it just isn't happening that way. Part of it is the station-at last word they are still having so much trouble getting a reasonable signal out of their antenna that the manufacturer has flown experts into Transkei to look things over. The only report outside of Africa that I have seen is a tentative from Barry Davies in England shortly after they took to the air-GH
- 610 TRINIDAD Port of Spain, singing ID by man as "Radio Six Ten" ending a religious pgm at 0257, ID and then songs on 4/5. (Objio)
- 612 MOROCCO Sebas-Aioum 0540 4/7 tentatively in good w/strong het on CKYQ-610. Middle-eastern walling mx. (Valdron)
- 615 ECUADOR Quito HCMJ1 poor-fair w/lively SS mx, "Gran Colombia" mention 0402 3/29. (Kazaross) First time I hear this station with a lot of ads for enterprises in Quito. ID at 0313 on 4/4 "Noticias para Radio Cadenas del Ecuador" mx. (Objio)
- 620 COLOMBIA R. Ciudad de Cali heard w/religious program and talks about the murder of Monsenor Romero of El Salvador, heard through HISD open carrier at 0303 on 4/5. (Objio)
- 620 NICARAGUA Managua YNM suspected here w/domestics w/several Nicaragua mentions 0355 when lost 3/29. (Kazaross)
- 640 CUBA La Habana, R. Liberacion 0516 4/7; CMQ in poorly (oddly enough) this Monday morning w/SS talk. (Valdron)
- 648 UNID a vernal equinox opening to Europe came out of nowhere 3/20 Thursday morning, this the lowest freq to deliver a carrier at 0616 but no audio detectable in the WSM slop. (Martin)

650 DOMINICAN REPUBLIC Santo Domingo 0517 4/7 HIAT in fair w/SS mx and R. Universal ID at 0518. They played Supertramp's "Give a Little Bit" in a Spanish version....imagine that! This makes foreign station #110. (Valdron)

650 VENEZUELA R. Vision, Maracay, ID at 2139 on 4/3, pop mx and ID between records, local R. Universal off for the Holy Week. (Objio)

660 VENEZUELA Ondas delos Medanos, Coro w/pop mx for the people at the beach enjoying the holidays at 2143 on 4/3. (Objio)

666 UNID strong NE carrier 3/20 at 0623 but no audio making it. (Martin)

666 UNID probably TA 3/17 0600. Very poor-faint voice-mostly het looping NE with TA conditions good. (Poda)

666 UNID 0434 4/7 weak to fair w/WNBC slop. Lang sounds like a cross between GG and Latin! Mx sounds very much like Parisian FF! Russia or Germany? Any ideas Chuck? (Valdron) I'd say Portugal is most likely (on 24 hours), then Germany at that hour-CH

670 VENEZUELA YVLL Caracas o/Cuba; Rumbps ID, LA big band mx 0457 4/5. (Connelly)

690 COLOMBIA LV de Colombia, Bogota ID at 0309 on 4/5, pop mx. (Objio)

690 CUBA La Habana R. Enciclopedia? 0718 4/7 CMBC in fair w/CFP's OC. SS female anncr and BFL mx. New stn. (Valdron) 690 is R. Progreso-CH

693 GREAT BRITAIN BBC poor to fair w/wman in EE 0526 4/5. (Connelly)

699 DOMINICAN REPUBLIC HICD Valverde suspected as the one apparently still 1 KHz low w/LA mx in slop 0043 3/29. (Kazaross)

710 PUERTO RICO WKJB Mayaguez relaying WKAQ news at 2145 on 4/3. (Objio)

720 CUBA CMGN Colon dominant and loud w/Cuban chimes, ID as "La Voz de Cuba" 0634 4/6. (Connelly)

725 SURINAM Paramaraibo SRS like a super local at 2306 3/28. (Kazaross) Good w/woman in Asiatic lang 2329 4/5. (Connelly)

735 ECUADOR Quito HCGB1 poor-fair in heavy slop w/usual very lively LA mx 0412 3/29. (Kazaross) Good w/festive LA mx 0524 4/5. (Con)

740 VENEZUELA R. Maracaibo, pop mx at 0307 on 4/5. (Objio)

747 UNID NE carrier 0620 3/20. Probably not the African for it came in best with WSB nulled. No audio. And Dakar 765 could not be located this night after 0600. (Martin)

756 WEST GERMANY Braunschweig/Ravensburg here big and loud 3/20. Taped 18 minutes of it 0459-0517. Second European signal found that night and my tipoff that extraordinary reception quite late in the season was occurring. Since 1969 have never before found European signals as late as 3/20. A index was 10 but this German signal made it sound more like minus 10. Some of the mx portions were loud enough to drive you right out of the house. Two different male voices with the German flavor noted in this period, but were weaker than the mx and was difficult to pick out specific German words amid the noise. The reception was stronger but not as clear as I found on this stn last 10/20. (Martin)

756 PORTUGAL good at 0052 3/29 w/cl mx and PP anncr. (Kazaross)

756 UNID second night of European signals featured a powerful carrier here 0307 to beyond 0400 3/21 yet without any audio on it. Carrier seemed stronger than on previous night and was most puzzling to find only silence on it. Other NE carriers found same night, also with no audio--657 hetting YSS at 0436, 666 at 0440, 684 at 0442, 747 at 0412 and 1566 weak at 0427. (Martin)

774 UNID NE carrier 0607 3/20. (Martin)

775 COSTA RICA San Jose TIW fair in moderate WABC slop: Radio Uno ID, US MoR 0703 4/6. (Connelly)

780 COLOMBIA HJZW R. Almirante Rio Hacha, ID at 1627 on 4/4 w/call, name, frequency and place, then started a pgm of tangos, a move from 1200. (Objio)

780 CUBA Camaguey R. Rebelde 0526 4/7 in fair w/WBEM nulled, news about Cuba in SS. (Valdron)

783 UNID European carrier strong enough to put het on WBEM 0604 and 0629 3/20. (Martin)

800 NETHERLANDS ANTILLES Bonaire PJB 0444 4/7 in very strong w/CHRC nulled. Carried the usual EE religious pgm. This one was my first foreign station, heard back in '75. (Valdron)

800 VENEZUELA R. Exitos, Maracaibo, pop mx at 1621 on 4/4. Very strange to hear this station on this freq for its being so close to PJB in terms of distance, about 400 kilometers. PJB off. Heard again through PJB at 0311 on 4/5 w/pop mx. A move from 980. (Objio)

810 BAHAMAS Freeport ZNS3 almost equal to WGY w/what I think was soccer 0446 3/29. (Kazaross)

810 COLOMBIA HJBA? 0900 3/3 heard "Buenos Noches" etc. with 1/2 second SAH with another stn. S/on? Poor to fair. (Poda) Who's HJAB? I don't see those calls listed anywhere in WRTH.....Sutatenza signs on at 0900 so I vote for them-CH

819 ANDORRA I suppose, putting an unbelievable het on WBAP with the Texan nulled 0533 3/20. Only a DX'er would understand why I taped

(819, continued) about 60 seconds of the het and why I classify it as beautiful. I have logged Andorra so don't need it, but that was about the most splendid het I have ever heard. (Martin)

820 LV del Rio Cauca, Cali w/an interview to a person who had seen a UFO about 6 PM local time at Neiva, giving details of the sauser at 0050 on 4/5. Newspapers did not say anything about this later on. (Martin)

820 CUBA R. Ciudad de Habana owns this freq on 1950 Beverage, very good to xltnt w/Muzak, ID at 0457 3/29. (Kazaross) Good/dominant w/soft mx, man and woman in SS, slogans "Patria o Muerte" and "Venceremos" then Cuban march (anthem) at s/off atop weak 819 het 0655-0700 4/6. A weak jumble of carriers was left on 820 after Cuba s/off: apparently skip was too short to yield good copy of either HJED or WBAP. (Connelly)

825 PANAMA/COSTA RICA duelling here. Female w/usual Titania SID at 0059; Panama w/R. Peninsula ID at 0101 3/29. (Kazaross)

828 MOROCCO Oujda loud w/woman in AA, feeble 827 het present 0520 4/5. 819 was weaker than 828. (Connelly)

830 COLOMBIA Medellin HJDM w/R. Vision ID u/YVLT 0417 3/29. (Kazaross)

830 UNID 0447 4/7 in strong w/typical SS SA programming. May have heard R. Super and "mariba"? No sign of WCCO at this time. (Valdron)

834 BELIZE really potent w/usual thick accented EE anncr and local mentions 0058 3/29. (Kazaross)

855 SPAIN fair in slop w/soft SS mx 0110 3/29. (Kazaross)

860 CUBA Reloj outlet noted amidst weak LA jumble, dogged by T-storm QRN 0642 4/6. (Connelly)

860 NETHERLANDS ANTILLES R. Curom, Willemstad w/pop mx and ads at 1930 on 4/5, not 850 KHz as in WRTH, stronger than 1 kw, no less than 5 kw, probably 10 kw, all in Papiamento. (Objio)

860 VENEZUELA R. Vision, San Cristobal, ID at 0320 in a pgm of pop mx 4/5. (Objio)

864 FRANCE Paris 0550 4/7 in weak w/FF talk. (Valdron)

875 COSTA RICA poor-fair w/deep-voiced man in SS 0425 3/29. (Kazaross)

890 COLOMBIA HJCE Bogota good w/no trace of WLS; ID 2335 3/28. (Kaz)

940 CUBA Reloj stn loud and dominant on this "Cuban night" 0644 4/6. (Connelly)

960 NETHERLANDS ANTILLES R. Victoria, ID at 2200 exactly w/time pips, Papiamento, then religious pgm on 4/3. Very good. (Objio)

960 UNID (Venezuela likely) u/domestics 0437 3/29, too late for HJ. (Kazaross)

995 ECUADOR HCEW2 Guayaquil poor in noise w/usual romantic SS mx 0431 3/29. (Kazaross)

1000 COLOMBIA Cartagena briefly o/LA jumble w/festive LA mx featuring an electronic synthesizer; this was followed by a Fiat car ad with names of dealers in Colombia 0648 4/6. (Connelly)

1000 VENEZUELA R. Cadena Mundial, Moron w/Venezuelan pop mx and ads. ID at 2045 on 4/5. (Objio)

1005 COLOMBIA Neiva HJJR very good, as good as adjacent 50 kw clears on Beverage w/Colossal mention 0438 3/29. (Kazaross)

1010 COLOMBIA R. Sutatenza, ID at 2040 on 4/5 w/pgm for the Holy Week, all orchestral mx. (Objio)

1010 NETHERLANDS ANTILLES R. Hoyer, Willemstad with talks in Papiamento about rancheras (Mexican music) sang in that language, very good at 2042 on 4/5. (Objio)

1020 VENEZUELA La Ascuncion YVRS totally in the clear w/Margarita mention 2254 3/28, (Kazaross) bombing in like a local, annihilating KDKA: mellow LA instrumentals, slow male group vocal, then "Mundial Margarita" ID 0650 4/6. (Connelly)

1025 COSTA RICA TIAC San Jose with good signal but bothered by WBZ. R. Fides ID 0209 and 0210 3/29. (Kazaross)

1035 PORTUGAL Lisbon 0553 4/7 in weak w/PP talk and mx. (Valdron) 3/16 0630 poor in peaks but WBZ strong. Woman singing and woman talk9ng at times. (Poda)

1040 COLOMBIA Barranquilla HJAI good/atop growl: spirited SS vocals and CARACOL ID 0653 4/6. (Connelly)

1044 UNID NE carrier with bits of audio, yet not worth taping 0540 and 0600 3/20. (Martin)

1045 PANAMA Las Tablas poor in WHN slop w/LA ballads 0217 3/29. (Kaz)

1050 MEXICO Monterrey XEG 0744-0802 4/7 in very good with 99% copy. Hype-type male anncr. Featured was a Gerry Butler album available thru them for \$8.98 and a cut by Stephanie Mills. Box 882, Los Angeles was mentioned and 213-655-6147 was said 3-4 times per minute! All this was in EE. My third Mexican....and may send report. Both CHUM and WHN were off! (Valdron)

1055 COLOMBIA El Espinal poor-fair w/LA mx 0346 3/29. (Kazaross)

1062 PORTUGAL poor w/PP talk 0004 4/19. (Kazaross)  
 1070 DOMINICAN REPUBLIC HIBI Radio, San Francisco de Macoris, unusual on w/pop mx on Good Friday as most other Dominican stations s/off for Thursday, Friday and Saturday on the Holy Week. ID at 1640 on 4/4. (Objio)  
 1070 VENEZUELA YVMA Maracaibo atop heavy growl: festive female SS vocal, Mundial Zulia 0616 4/6. (Connolly)  
 1075 COSTA RICA San Jose TIFC poor in slop 0347 3/29. Seems undermodulated. (Kazaross) They sure are-CH  
 1100 COLOMBIA Barranquilla HJAT very loud w/Radio Reloj, "a favorita musical de Barranquilla" ID slogan 0542 4/6. (Connolly) Is the dominant here all night on the Beverage. (Kazaross)  
 1100 DOMINICAN REPUBLIC R. Oriente, San Pedro de Macoris also on the air, they had some interview to people on the seashore, ID at 1643 on 4/4. (Objio)  
 1110 UNID waltz mx, then SS talk "en el corazon de Argentina", R. Tiempo and Radio Reloj slogans, other talk, poor in storm QRN 0619 4/6. (Connolly)  
 1120 VENEZUELA Ondas del Lagos, Maracaibo, pop mx at 2033 on 4/5. Good. (Objio) 1125  
 1125 COSTA RICA San Jose TISRHB fair-good w/MoR LA mx 0344 3/29. (Kaz)  
 1130 COLOMBIA Em. Rio-Mar, Barranquilla w/a pgm dedicated to political and religious talks about Nicaragua and El Salvador, 1648 on 4/4. (Objio)  
 1150 VENEZUELA R. Mundial Caribe, Punto Fijo w/a lot of recommendations to people on the beaches. ID at 1651 on 4/4. (Objio)  
 1155 EL SALVADOR San Miguel YSCF fair-good w/disco (even the DX stns are out to torture my ears, hi) 0342 3/29. (Kazaross)  
 1160 CUBA Madruga (what are calls?) (no one knows except Fidel-CH) XInt #/other LA's w/soft SS Muzak 0150 3/29. Power estimated at 10 kw. (Kazaross) "Tragedy" by the Bee Gees, then man and woman in SS, ID as Radio Cadena Habana, slogans "Patria o Muerte" (country or death) and "Venceremos" (we shall conquer) (Angola? Grenada? Affluence? CH) then s/off w/Cuban march 0555-0600 4/6. Carrier off at 0601. Signal was strong and totally dominant. (Connolly)  
 1161 FRANCE Strasbourg? 0500 4/7 in fair w/no sign of KSL. FF news with slow fading/quite definite France and suspect Strasbourg rather than Toulouse. (Valdrón)  
 1197 MOROCCO Agadir fair-good //1044 w/FF service 2355 3/28. Sounds like more than 20 kw. I think this was my station w/Jethro Tull heard 3/23 because Mark Connolly heard 1044 w/Tull a bit earlier. Also VOA should ID on the hour. (Kazaross)  
 1200 CUBA the Cuban is always over the SA LA's here-bye to a good channel. (Kazaross) Good bye to many channels down here, not just a few, as evidenced by about 110 Cuban loggings here-CH  
 1206 FRANCE Bordeaux loud (best TA): AA pgm much stronger than adjacent channel Cayman 1205 OC 0506 4/5. Appearing on car rx at 2155 4/7; WCAU just a groundwave at the time way before local sunset. (Connolly) Poor-fair w/man in FF 2234. Always heard unless very auroral, 3/28. (Kazaross)  
 1206 GABON Oyem 0558 4/7 in fair with BFL mx. Thinking this was Bordeaux, France I listened for a while and heard a female anncr in FF mention 20 kw and future plans for a new freq. Gabon being 20 kw and also FF leads me to believe that this is what I heard. Possibly country #52.....What do you think, Chuck? (Valdrón) Methinks I wouldn't enter it into the log without something like an ID/IS/anthem, or somesuch. A somesuch can be anything that makes it fairly sure you heard a particular station. It's up to you as to whether you heard a somesuch..... I'd write the stn and ask whether they would have announced 20 kw at that time and ask whether they would play "BFL" mx-it seems a bit unusual in light of 1554/SW pgms-CH  
 1205 CAYMAN ISLANDS fair at 0141 3/29. (Kazaross)  
 1210 DOMINICAN REPUBLIC R. Merengue, San Francisco de Macoris, pop mx at 2028 on 4/5. E. Coro looped out. (Objio)  
 1210 VENEZUELA R. Coro, Coro ID at 1701 on 4/4 and ads. (Objio)  
 1210 UNID (Haiti or Dominica) FF u/WCAU 0450 4/6. (Connolly)  
 1224 SPAIN tentative, poor w/soft guitar mx, faded into noise at 2358 4/18. (Kazaross)  
 1260 VENEZUELA R. Impacto, Caracas, pop mx at 1706 4/4. (Objio)  
 1270 CUBA/UNID R. Reloj o/domestics w/unid LA mx way under 0507 3/29. (Kazaross)  
 1290 VENEZUELA R. Puerto Cabello, ID at 1709 4/4 w/pop mx. (Objio)

1325 HAITI pips at 0457, anthem, then OG; fair on 4/5. (Connolly) Heard very good for about an hour from 0000 to 0100 on 4/9 on portable Sony when I had a blackout in Santo Domingo, with a pgm of FF songs. (Objio) Good w/FF talk 0202 3/29. (Kaz)  
 1340 PUERTO RICO R. Una, Aguadilla, rx at 2005 on 4/5, good. (Objio)  
 1350 VENEZUELA R. Vision Falcon, Cumarebo, ID at 2155 on 4/3, a lot of local pop mx and recommendations to people travelling to avoid accidents. (Objio)  
 1370 UNID SS way under domestics 0030 3/28, (Kazaross)  
 1375 ST. PIERRE ET MIQUELON good as usual w/FF 2345 3/28. (Kazaross) Very good in 4 KHz handpass w/FF folk mx 2355 4/18. (Kazaross)  
 1395 UNID 0507 4/7 in poor to fair with what I think was news in possible GG or Albanian? Is this Albanian? (Valdrón) Veeery possible-they have GG scheduled for that time-CH  
 1403 GUINEA very poor in some slop w/tribal mx. Seems undermodulated. 0130 3/29, off freq again too. (Kazaross)  
 1425a UNID carrier w/low het suspected from Greenland 1425 and the LA on 1424.7, both much too weak for audio. Do you know who the LA is? (Kazaross) Nope, never gotten an ID in spite of occasional fair level. There is a Latin on 1425 also-CH  
 1456 DOMINICAN REPUBLIC R. San Cristobal now heard here at 1950 on 4/5 w/pop mx. (Objio)  
 1467 MONACO Monte Carlo poor w/religious mx: S9+ on meter but buffeted by S9+20 WLAM buckshot 0456 4/5. (Connolly)  
 1490 COLOMBIA R. Punto Cinco, Bogota heard ID'ing at 0337 on 4/5 w/pop mx. (Objio)  
 1500 VENEZUELA Barquisimeto 0616 4/7 weak w/SS talk, Radio Nacional ID at the time. New stn. (Valdrón)  
 1521 SAUDI ARABIA? Daba 3/17 0200 good het looping ENE, 14 peaks in 20 seconds-SAH? Weak after 0400. (Poda)  
 1548 UNID TA very poor w/soft instrumental mx 0015 4/19. Does Vinnitza s/off at listed 2300? (Kazaross) Nope-2400 is s/off-CH  
 1566 TUNISIA Sfax to fair peaks through CKLM junk; female AA moaning 0442 4/5. (Connolly)  
 1566 UNID European carrier found here 0411 3/20. I suspect Switzerland was trying to arrive and I need it. Was not Tunisia for it appeared with much stronger carrier about 0425. (Martin) But they aren't supposed to be on then.....CH  
 1593 WEST GERMANY Langenberg fair/fadey w/light instrumental mx 0439 4/5. (Connolly) Was best TA-good w/GG male anncr then light mx 0304 4/19. (Kazaross)

And time to wrap it up. My employer (Scientific Atlanta) puts everyone on "as-many-hours-as-you-can-stand" status every time a big contract is landed and this week it is especially heavy.

Got an interesting call from Al Quaglieri the other day advising that the last 50 copies of "Tune the Medium Waves" have been smapped up by Al and are available to anxious throngs of NRC'ers....One of the innumerable side benefits of NRC....This sure ought to swell the membership roster. Brian Vernon, take a bow.

|                |                          |                                  |
|----------------|--------------------------|----------------------------------|
| Mark Connolly  | W. Yarmouth, Ma.         | HQ180A, TRF, 2 37 m. phased LW's |
| Neil Kazaross  | Narragansett, RI         | 1300' Beverage at 1950, R390A    |
|                | Pawtucket, RI            | Sanserino loop, 70' LW, R390A    |
| Gene Martin    | Denver, Co.              | HQ480, loop                      |
| Cesar Objio    | Santo Domingo, Dom. Rep. | TFM1600 Sony portable            |
| Louis Poda     | Akron, Ohio              | TRF, R300, 60 m. LW              |
| Rodney Valdrón | Petit Rocher, NB, Canada | Hutton modified TRF              |

Special welcome to Rodney Valdrón who checked in with some nice DX in his first report.

LOS ANGELES -  
 LABOR DAY WEEKEND

# FCC NEWS RELEASE

FCC News Release - First Session of the Regional Administrative MF Broadcasting Conference - Three Weeks in Which Were Adopted the Technical Criteria Required for a Regional Broadcasting Plan in the Americas. (Released to the Public by the Commission April 1, 1980.)

The first session of a Regional Administrative MF Broadcasting Conference in Region 2 (the Americas) was concluded on Friday, March 28, 1980, Buenos Aires, Argentina. 117 delegates from 21 member countries of the ITU took part in the Conference which lasted 3 weeks. Two other ITU member countries sent observers to the Conference. The delegation of the U.S. was comprised of 19 members from the Government and Industry. The delegation chief was FCC Commissioner Robert E. Lee. The Conference was convened at the request of ITU member countries in the Region. The first session of the Conference concentrated on formulating the technical and operational criteria and the planning methods which will serve as a basis for the preparation of the second session of a frequency assignment plan for the MF broadcasting band in Region 2 (535-1605 kHz). The second session will be held in November 1981 at a location yet to be named.

Agenda of the First Session. Generally speaking, the technical criteria adopted at the first session of the Conference are similar to those in use in the U.S. and are quite consistent with the U.S.' proposals submitted to the Conference. A summary of some of the various criteria adopted are listed below:

- Channel Spacing. The Conference decided to delay the decision to the second session on (whether to adopt) 9 or 10 kHz spacing pending further study by the IFRB.
- Sufficient flexibility was provided in the definition for Class of Emission to permit AM Stereophonic transmissions without further negotiations, provided that the energy level outside the necessary bandwidth does not exceed that normally expected in an A3 emission and that the emission is receivable by conventional receivers employing envelope detectors without increasing appreciably the level of distortion.
- The frequency tolerance is plus or minus 10 Hz.
- The Plan will be drawn for a necessary bandwidth of 10 kHz. However, occupied bandwidths on the order of 20 kHz will be permitted, on the condition that administrations adversely affected may require modification of the interfering station's emissions.
- The Region was divided into three noise zones. The field strength for contours that are to be protected from interference are different for each zone. The field strength for the contours in Zone 1 is the lowest and the highest for Zone 3. The 50 states of the U.S. fall in Zone 1 and Puerto Rico and the Virgin Islands fall into Zone 2. The field strength for contours that are to be protected in Zone 1 are essentially the same as those currently in use by the U.S.
- The protection ratios adopted are: 26 dB co channel, and -29.5 dB (1:30 ratio) for second adjacent channel. Overlap of the 25 mV/m contours for stations 3 channels removed is prohibited. The protection ratios for the first adjacent channel will be determined when the channel separation, 9 kHz or 10 kHz, is finalized. -5 dB for 9 kHz separation and 0 dB for 10 kHz separation are under consideration.
- The interfering skywave signal will be calculated on the basis of skywave field strength 50% of the time. However, Mexico, the U.S., Canada, Greenland and St. Pierre et Miquelon will calculate the interfering skywave signal that each receives from the other on the basis of skywave field strength, 10% of the time.
- There was considerable discussion as to whether the secondary service area of Class A stations (Class I stations in the U.S.) should receive protection. The overwhelming majority voted that secondary service as defined by specific field strength values should be protected. Thus, nighttime service of Class I stations in the U.S. would be protected out to approximately 750 miles.
- There is no provision in this Conference for border protection as now provided for 25 Clear channels used in the U.S. A footnote was added, however, insuring that countries will have the right to negotiate with their neighbors for additional protection criteria in order that extended service of some stations can be provided.
- The groundwave propagation curves that will be used are those which were provided to the Conference by the U.S. They are the FCC curves which have been recomputed and drawn in a metric format.
- Calculations performed over mixed paths will be performed using the Kirke method. (This method is in use in the U.S.)
- Skywave signals will be calculated using a method which in effect extends the FCC skywave propagation curves.
- It was decided that the methodology used by the U.S. and Canada in calculating the characteristics of directional antennas should be generally used in the Region. The U.S. and Canada will provide their computer programs to the ITU in order that preparations for the second session of the Conference can be expedited.
- Maximum transmitter power areas follow: Class A: 100 kw day and 50 kw night. Class B: 50 kw day and night. Class C is 1 kw nighttime and: 1 kw daytime in Noise Zone 1, 5 kw daytime in Noise Zone 2 and 10 kw daytime in Noise Zone 3.

- There will be two station inventories used to determine the frequency assignment plan. The first inventory includes existing stations and future requirements through 31 December 1982 and is referred to as the basic inventory. The final submission date for requirements in the basic inventory including corrections and additions is 31 May 1980. The second inventory is to cover a 5 year period from 1 January 1983 through 31 December 1987. The submission date for requirements is 31 May 1981. The basic inventory may be modified until the first day of the second session. There will be no channel specification for the second inventory since the channel spacing question will not be resolved until the second session.
- The IFRB has been asked to prepare the necessary computer programs to prepare incompatibility studies for consideration at the second session. A panel of experts from certain Region 2 countries (including the U.S.) will help the IFRB in this regard.

\* \* \* \* \*

The U.S. delegation to the Conference: Robert E. Lee (Chairman), Wilson La Follette (Vice Chairman), Charles H. Breig, William Moore, Gary Stanford, Thomas Johnson, John Wang, Steven Selwyn, Robert Focsaner, James Carrol, Leo Buss, Donald Everist, Wallace Johnson, Elizabeth Dahlberg, Oscar Cuellar, William Jahn, Robert Niles, John Battison and Douglass Crombie.

(The above retyped by R.L. Foxworth to fit DX News printing format, from public information)

## 1979-1980 CPC REPORT

As is traditional, here are some facts and figures on this season's C P C efforts. First the number of Tests which made up the C P C Calendar in the various club bulletins.

| <u>N R C</u> | <u>I R C A</u> | <u>G W D X A</u> | <u>C J V B</u>      |
|--------------|----------------|------------------|---------------------|
| 19           | 9              | 1                | Courtesy of C J V B |

The first N R C Test scheduled was for 12/2/79 and the last for 3/31/80. Fifteen N R C members were successful in making up the season's Test Calendar. We had more C P C volunteers who tried. Quite a few first year club members volunteered, few veterans. We hope that all who took part this year will retain their interest for the future. In evaluating some of the information, it is apparent that we need to get an earlier start on the next season. October and November were wasted this past year. This points out the need for some volunteers help during the summer off-season to get a jump on the pre-December period next season. We always need C P C workers, and I would very much like to see more veteran club members taking part. The I R C A scheduled nine Tests for the season, and they didn't even have a C P C Chairperson this year. This is an example of the spirit which is needed for a successful season of special Tests. I am here to help you. Please let me coordinate the stations being contacted so that we don't have any duplication of efforts. I am not satisfied with the total number of Tests scheduled this season myself. But let me say that we were more successful than I anticipated at the start of the season. I extend my personal thanks to all of you who did take part in C P C in 1979-80, and LET'S GO FOR NEXT YEAR! Remember; Keep smiling, it makes people wonder what you have been up to.

N R C CPC Chairman - Neil G. Zank, P. O. Box 5563, Lincoln, NE 68505.

Recent renewals in our favorite radio club:

Robert Knox, Bob Foxworth, Don Kaskey, George Duckworth, Alphonse Tobia, Dick Nelson, Robert LaMorgese, Levi Myers, John Bowker, Mark Connelly, Joe Krueger, Lance Sang, Erland Nilsson, Hugh McDermott, Jerry Franklin, Glenn Hauser, Daniel Bartek, Jr., Eric McIntosh, William Cunningham, Albert Earnhardt, John Kapinos, Harry Hayes, Dave Bennett, W.R. McIntosh, Fred Bstandig, Ed Christian.

Thanks for staying with us...let's hear from you soon.

# S-METER FOR THE TRF

-- an initial attempt

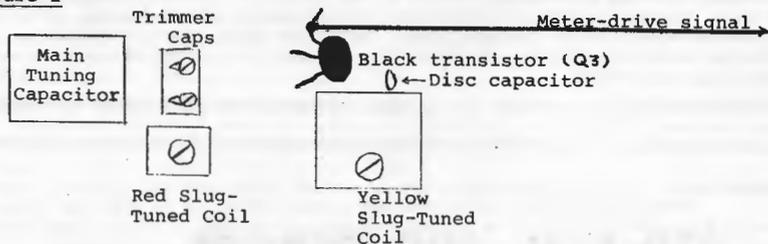
MARK CONNELLY

A signal-strength meter (S-meter) has many useful properties to the DXer. It may be used to compare levels of groundwave stations, to observe fade characteristics of skip signals, to analyse sub-audible heterodynes (SAH's), and to accurately peak or null a station.

I had a zero-centre "AM-FM Tuning Meter" scavenged from an old Sharp multiband portable lying around in my "junk box". Its small size made it a "natural" for use on the Realistic TRF. The meter movement is  $-100 \mu\text{A}$  for a full-scale-left deflection and  $+100 \mu\text{A}$  for a full-scale-right deflection.

To obtain a voltage which varies with signal strength, I tapped the transistor lead shown in Figure 1. (Open TRF, observe circuit card.)

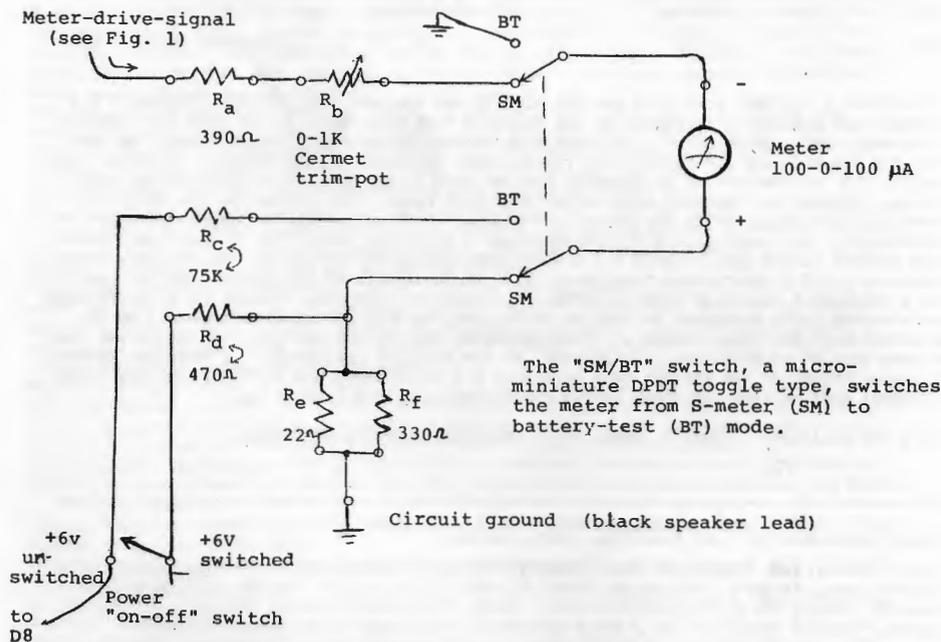
Figure 1



The meter-drive-signal measures approximately  $+0.5$  volts for zero-signal and about  $+0.2$  volts for full-scale signal (a strong local).

After some experimentation, I came up with the scheme of Figure 2:

Figure 2



The trim-pot is used to adjust for a full-scale-left deflection on the meter with zero-signal received. Tuning the receiver above 1600 kHz. will provide a nearly-zero signal level under most conditions.

$R_d$  sets the full-scale-right deflection. I found that  $470 \Omega$  will yield a  $3/4$  scale deflection on a strong local.  $430 \Omega$  may be used if you want a more "generous" meter reading. Alternately, you can keep  $R_d$   $470 \Omega$  and increase the value of  $R_f$  (nominally  $330 \Omega$ ) which shunts  $R_e$  ( $22 \Omega$ ).

The receiver's operation will be adversely effected if you use an  $R_d$  value much less than  $390 \Omega$ .

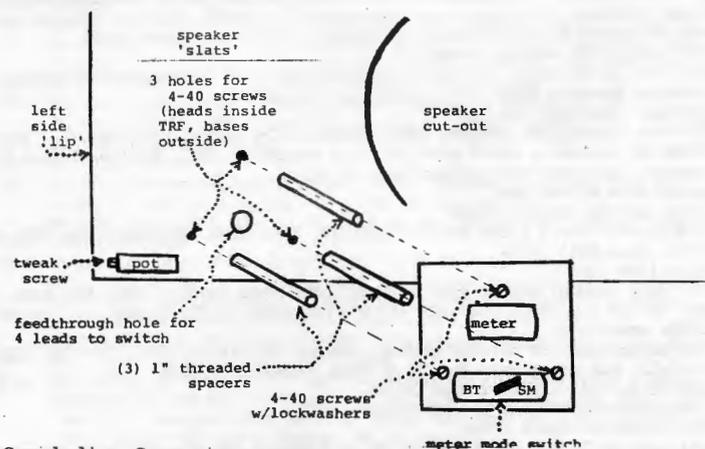
In the "BT" mode, the battery voltage is read whether or not the receiver is turned on. A good set of batteries will provide about a  $3/4$  scale (right) meter deflection; full-scale-right is 7.5 volts in this mode. A useful battery check is to monitor the battery voltage under unloaded (TRF off), lightly-loaded (TRF on, but volume down), and fully-loaded (TRF on, volume high) conditions. A centre-reading in the battery-test mode indicates zero volts: batteries are either dead or not installed. A left deflection indicates that the batteries have been installed backwards. With the TRF plugged into mains, the AC-to-DC power supply takes over; a nearly-full-scale-right meter reading should be observed as the power-supply DC output is about  $+7.3$  v (loaded).

## Mechanical Assembly

Fixed resistors were mounted inside the TRF. The 0-1K Cermet/Bournes-type trim-pot was mounted on the lower left corner of the front of the receiver: (see Figure 3). Trim-pot leads were fed directly through small holes drilled in the cabinet. A few drops of rubber-cement ("RTV") were applied with a cotton-swab to secure the pot.

The meter and the switch were mounted on a  $1-5/8$ " by  $1-5/8$ " square piece of epoxy-glass (G-10) printed-circuit-board stock. This assembly was then attached to the left-front side (above, and somewhat to the right of, the trim-pot) by using three 1"-long threaded metal standoff-spacers and 4-40 hardware (screws, lockwashers). The 4 leads to the switch from inside the TRF were fed through a hole drilled in the front grille. This hole should be fitted with a rubber grommet to reduce wear on the insulation on the 4 lead wires. Figure 3 gives an overview of the exterior mechanical assembly.

Figure 3/ expanded view



## Concluding Comments

I have found that the S-meter is particularly useful in nulling & peaking applications: the meter shows changes in signal strength much more readily than audio output does.

My S-meter/battery-meter project was an unsophisticated first "stab" at this idea. Others will undoubtedly come forward with considerable refinements and improvements. As years have passed with no significant articles about S-meters for the TRF, I felt that the least I could do was to "get the ball rolling".

An active meter-drive circuit with an operational-amplifier chip was contemplated, but I opted for a simpler approach which all DXers could implement. Others are hereby encouraged to write of their designs using meters of different movements (such as 0-1 ma., 0-100  $\mu\text{a.}$ , 1-0-1 ma.). A design utilising a linear LED level meter (similar to those on some modern cassette decks & stereo receivers) would be of considerable interest to many. Also desirable: S-meter circuits for the GE Superadio.

Pete Taylor

Continuing on around the globe with my trusty Sony ICF6700W, SM-2 loop, CTR-48 cassette and understanding wife, Kristine, and having learned nothing from the typos I made in the part on Africa, we now proceed to Asia.

For China DXing, I once again combined all available information from 1974-78 WRITVHS ('74-'78 listed the provinces) and embellished it with the 1974 FBIS. I then tried to integrate the WRITVHS China Geneva plan frequencies and Pinyin cities and gee, that was alot of fun. Using five atlases, including one in Pinyin, I was able to correctly locate most of the cities and convert names accordingly. (Ulanhot for instance was in three different provinces in the five atlases.) I was able to acquire Romanized Chinese atlas in Hangzhou, and that, and having a Mandarin- and Cantonese-speaking friend here in SF, has helped me clear up many of the remaining mysteries. Africa was dull by comparison, in terms of those boring old kHz hets on nearly every frequency. If you've really got the hots for hets, then China is the place. And some of the transmitters drift, adding to the scenario.

**TIME PIPS.** Your basic CPBS time pips are 5G+G at 2 second intervals with the last not an octave higher. However, there are variations from province to province, but not enough for me to state that there is consistency within provinces.

**"EAST IS RED" & "THE INTERNATIONALE."** Most of them do indeed sign-on the first time each day with a long vocal version of "East" and many of them do sign-off with an equally lengthy vocal version of "Internationale." But don't count on it. After the pips, the "time in Beijing" is given, and very often, this is followed by a 40-second instrumental cut of "East." but don't hold your breath.

**CPBS 1 & 2.** There are no local IDs on the straight CPBS-1 outlets, and some C-1 programs are carried on regional outlets, and are preceded by C-1 ("Central") IDs. Beijing-720 is the C-2 outlet, and the only other one I found // was Shanghai-855. Obviously, C-2 has weaker outlets and less network programming. (603 was also C-2; on nites only) **JAMMING.** The 1561a jammer in Beijing is quite potent, blocks 1510-1600, and even show up on FM. Presumably, it is for HIDA. In Guangzhou (Canton) there are 675-783-864 jammers which conveniently cut off for the 6am local news, and then go back on; the Guangzhou 735 outlet conveniently blocks Macau. Some Russians and the predictable Taiwan frequency are jammed effectively, plus when it is deemed offensive, the 1170 South Korean.

**PINYUN.** It is here to stay. I will use both the new and the old the first time I list a city or province.

The below represents an incomplete list of Chinese stations I heard in (HK) Hong Kong; (BJ) Beijing; (SH) Shanghai; (HZ) Hangzhou, and (GZ) Guangzhou/Canton, complete with pip and EE language lessons. All pips are at two-second intervals unless otherwise noted; the last note is always higher (usually an octave) unless otherwise noted.

- 531 C-1//810 1045 12/7, unknown location  
 540 SHANGHAI C-1. It is here. S-1 Beijing (Peking) days, S-7 in Hangzhou (Hangchow)  
 \* 549 C-1, unknown location 1150 12/7 (Samming FJ is not on)  
 560 C-1, unknown location 1145 12/7  
 567 UNID S5 days in Beijing, presume Hebei (Hopei). C-1 1625 11/30 from BJ. Prob. Qiubei  
 \* 576 (HK) YUNNAN no anthem at s/off 1600 12/13 to return at 2150. UNID weak days in HZ. /  
 585 C-1, unknown location. Very strong days in BJ.  
 593 (HK) noted days w/kHz het  
 594 (SH) UNID, barely readable days  
 (HK) //619, 0555 12/11 & off 0600; //1201 902 1341 also. (Probably the 593, stable)  
 596 (HK) UNID, weak 0413 12/14  
 600 (BJ) UNID 1250 12/2  
 603 (BJ) C-2 very strong, almost like a local; goes into jamming 1600 when pgmg. ends, using "WJ" CW ID. Pgmg. C-2//720 747 897 off 1600 11/30. S2 days SH. Not on daytime  
 616 (HZ) UNID, weak days  
 619 (HK) low modulation, SW off-air pickup, Central ID 0430 12/14; //594 902 1201 1341 0555 12/11, but being used for CW at 0610 (others off 0600)  
 621 (HZ) UNID C-1, 1145 12/7; S2 days in SH  
 630 (HK) Central outlet wiping out DWWW 1010 12/13 (SH) C-2 readable nights, UNID  
 \* 635 (HZ) C-1 1150 12/7, and not noted in HK so probably not the old listed Nanning.  
 639 BEIJING C-1 S-5 days in SH & HZ & usually clear everywhere except for 2 640 hets  
 648 GUANGZHOU (Canton). I believe there is only one Chinese outlet here. 648 was always C-1 (cf. 639) when I heard it in Beijing. In Hong Kong, this was not always the case - it was //981 1203 w/sports pgm. 0940 12/11. I may be wrong since a weak C-1 outlet was noted days in SH. There is a drifter on here from somewhere.  
 657 (HK) HENAN ID, time (1900) & EIR 1100 12/13 (EIR="East is Red") Pips: 5G+H  
 684 (BJ) //1278 days; (HZ) S-1 days; unknown  
 \* (SH) ZHEJIANG - Zhoushan PBS, Dinghai noted here - weak.  
 693 (BJ) SHANXI (Shensi) INTL (Internationale) 1515, off 1520 12/2 (HK) JIANGSU (Kiangsu) EE LL 1407 12/13; 2155 12/9 (in GZ). The case of the latter, EE LL went right through the 6am pips (2200GMT) Pips: 5B<sup>b</sup>-A<sup>b</sup>  
 702 JIANGSU EE LL 1340 11/30 (BJ), 0015 12/9//1314, 1413, & 0057 12/9//1314 1413. JJ LL 0500 12/9. (BJ) ID, INTL, off 1449 12/2. (SH) s/off 2359 12/5. This has pronounced

- groundwave/skywave QRM days in Shanghai all the time. It is //1413 most of the time (sort of like Oman 702/1413!) Nanjing listed.  
 702 FUJIAN (Fukien) //936 1658 12/2, and //1476 at 1529 12/4. (Jiangsu-702 off 1450)  
 720 BEIJING C-2//603 747 897 at 1600 s/off 11/30. Either this is running far less than 150kw, or 639 is running far more. No comparison between the signals.  
 723 UNID CENTRAL, possibly C-2. //855 1044 0012 12/9 (HZ); S8 days (HZ); ID 0600 12/5 (SH) to return at 0915. Pips: 5G+G  
 729 JIANGSU (Kiangsu) S2 days (SH). EE LL 1325 11/29, 1300 12/5. Pips: 5G+G  
 Near east & Indian music 1445 12/13. INTL 1615, off 1620 12/2 in BJ, to return at 0200.  
 735 GUANGZHOU Central ID 0300 12/14 (HK). Low power; blocks Macau  
 738 UNID C-1 noted HK 1531 12/13. Could be the above, drifting. Pips: 5G+G  
 747 (BJ) weak, noted days. C-2//603 720 897 off 1600 11/30 (BJ).  
 756 (BJ) C-1 1625 11/30.  
 UNID is 7.5 on the S meter in SH and S6 in HZ, days. Probably Jiangsu.  
 UNID when the above is off, another outlet is barely audible days in SH.  
 774 WUHAN, HUBEI weaker than 1179 (//) in HK 1545 12/13. Off 1600 with INTL, QRM from what sounded like Philippines  
 783 BAODING, Hebei - strong days in BJ  
 786 (HK) UNID weak days  
 \* 792 SHANGHAI local, S6 in HZ. Different pips - 1 second int., electronic: 5F# - B  
 GUANGXI EIR, ID 1600 12/13, no info on when it will return. Nanning listed.  
 \* 801 GUANGDONG. ID 0530 12/14; at 0555, 3 commercials for medications, and off 0600 w/no pips or anthem, but AM&FM freqs given including 1062 & 95.6. Cantonese.  
 801 BEIJING or very close to it, C-1; very strong. However, not noted in Shanghai.  
 810 ZHEJIANG provincial (in Hangzhou) //531 1045 12/7; at two times, it was noted with different pips (2 out of two, no less): Pips: 4G+G  
 (When this happens you can hear the missing pip leaking through)  
 \* 819 UNID, EE LL 2155 12/9 (from GZ). PFN outlet.  
 828 BEIJING local  
 837 UNID C-1, noted several places; probably WUHAN, with 774 regional. Pips: 5G+G  
 846 ZHEJIANG //810 w/regional ID 0500 12/7. S3 days HZ.  
 UNID - weak, probably western China outlet noted 1625 12/2  
 855 SHANGHAI C-2. S5 days in HZ; //723 1044 0012 12/9  
 873 UNID, EE LL 1335 11/30 Pips: 4E+H  
 882 FUJIAN, ID over mx 1100 12/5  
 897 GUANGDONG. I don't know if there are two stations here or just one that's drifting. This one is //Guangdong FM 95.6, like at late s/on 0908 11/29, and this was C-2//603 720 747 at 1600 s/off 11/30. However, 901 was a local in Guangzhou.  
 899 UNID C-2 noted 1535 12/2 (may be the 897 drifting)  
 901 GUANGDONG (presumably, for daytime reception) w/Central ID 0400 12/14 Pips: 5G+G  
 Noted //594 619 1201 1341 0555 12/11; off 0600; Central ID. This is Guangzhou. Pips: 5A<sup>b</sup>-B<sup>b</sup>  
 909 TIANJIN loud days in BJ  
 913 (HK) UNID days  
 927 GUIZHOU (Kweichow) w/EIR (weak) under someone else's carrier 2330 12/11; and w/EE LL 1340 12/13//1026  
 BEIJING local off 1600 11/30 (BJ) to return 2250 (no pips or anthem) //936 1545 11//  
 932 (HK) UNID days  
 936 (BJ) FUJIAN w/nx//702 (Jiangsu off) 1658 12/2 (no pips)  
 UNID (HK) EE LL 1325 11/29, 1305 12/13 (could be Anhui)  
 UNID (HK) weak days; JJ LL 0505 12/7 which makes me think Jiangsu  
 (BJ) UNID//927 1545 11/30 - I think this is Hefei, Anhui  
 (HK) UNID//639 981 (but not 648) w/classical music 1230 12/11 (C-1 probably)  
 940 (BJ) UNID 1630 12/2 (still on 1705)  
 954 (HK) HAINAN ID 0000 12/12, not too strong in old Hong Kong... EE LL 1131 12/13 (BJ) TIANJIN. EE LL 1359 & 2250 11/30, 0945 12/2 and 1358 12/3. Note however that the 1400 lessons start at 1358 or so, and that on Sunday night 12/2 10pm (LT) they signed-off w/o a lesson. JJ LL noted 2312 12/2.  
 960 (BJ) UNID 1710 12/2 Pips: 3G+G  
 963 ZHEJIANG weak in both SH & ZH Pips: 5F#-E  
 972 (HK) HENAN EE LL 1259 12/13 into ID; bad 970 het Pips: 5G+G  
 981 FUZHOU. This is a consistent C-1 outlet, but it did have sports pgmg. //648 1203 0940 12/11 (BJ) UNID days  
 990 SHANGHAI local. S5 in HZ. EE LL 0945 12/2, 1303 12/13  
 999 GUANGZHOU local (HK): EE LL 1340 11/29; 0605 & 2255 12/11; 1340 12/13, and JJ LL noted 1305 12/13.  
 1008 FUJIAN (HK) ID in Amoy 1415 12/8  
 1017 (BJ) UNID C-1 1625 11/30; also UNID days in BJ (1st part could be Changchun, Jilin)  
 1026 GUIZHOU EE LL 1340 12/13 // 927 in HK; also, ID (HK) 1130 12/13, also //927  
 BEIJING local. EE LL 2250 11/30; FF LL 2313 12/2  
 1035 (BJ) UNID C-1; also, UNID days in BJ

- 1044 CHANGZHOU, Jiangsu. I am confident it is actually here. Only S7 days in SH, S5 days in HZ. At nights, fair in SH, and barely readable in HZ. Yes, it does carry some JJ (1440 12/4; 1205 12/5) but it also carries C-1 (1625 11/30) and C-2 (0012 12/9). Must be DA towards Japan, at least at times, for such lousy reception in Hangzhou. Not noted in HK due to a local.
- 1053 (BJ) UNID C-1 1515 12/2, could be Quibei, Yunnan easily enough
- 1062 (HK) Off 0600 12/11, and back on 0900 w/long version of EIR w/AM & FM frequencies in kHz & meters. On w/Indian type mx like heard earlier on 1413, at 1225 12/13.
- 1066 (SH) Barely readable days, probably an image
- 1069 (BJ) C-1 noted 1635 12/2
- 1071 (BJ) TIANJIN only fair days (909 strong). From BJ & HZ, noted w/EIR, ID, off 1400 12, 12/;
- 1072 (HK) UNID 1105 12/12
- 1077 (HK) UNID C-1 up to 1100 12/12 but couldn't pull it out; EE LL 1030-1100
- 1080 (SH) UNID abrupt s/off 2355 12/5, no fanfare; S2 days HZ.
- 1100a SHANGHAI, sort of cultural had OC 1050 12/5 on 1099, but 1101kHz by 1100 s/on.
- 1116 (HK) SICHUAN (Szechwan) ID 1400 12/13 Pips: 5G+G  
(HK) UNID s/on 0920 11/29, fadeout at ID; EE LL 1340 12/13 (prob. Sichuan) Pips: 3G+G
- 1125 (BJ) UNID weak days, probably Tangshan
- 1148 (HZ) UNID weak days
- 1152 HUNAN Quickie EIR (17 seconds) 1400 12/3 Pips: 5G+G  
HUNAN Central ID 1500 12/3 Pips: 3G+G  
(HK) HUNAN //1233 (Changsha) and 1584 & 1591 1400 '2/11
- 1161 (BJ) UNID. Could be weak Hunan as //1152 0925 11/29 UNID days (HK) & (BJ). EE LL 2305 12/11 from HK. S2 days from HZ. Probably all different.
- 1179 HUBEI (relay of Wuhan-774). EE LL between 1330-1400 11/29-30, 12/13. From HK, ID w/no pips 1000 12/11 into Beijing opera. Always stronger than 774 (HK).
- 1197 (BJ) UNID C-1 2315 12/2
- 1201 (HK) GUANGDONG Central ID 0330 12/14 under march. //594 619 901 1341 0555 12/11 to 0600 s/off.
- 1203 (HK) UNID, //981 648 w/sports pgm 0940 12/11 so GD or FJ.
- 1206 (BJ) YANJI, Yanbian PBS, Jilin (Kirin) in KK 2315 12/2
- 1215 (SH) UNID, EE LL 1315 12/5. From BH, weak, UNID days
- 1224 (BJ) UNID fair days
- 1233 (HK) HUNAN EE LL 1300 12/11; ID //1152 1584 1591 1400 12/11; w/polynesian type music 1250 12/13/1152; ID, INTL, off 1605 12/13 to return at 2105, leaving a wobbly het and a weak RMC-Cyprus. (Stn. listed as Changsha, Hunan) Pips: 5G+G
- 1238 (BJ) UNID C-1 1345 11/30
- 1251 (BJ) FS. UNID language (Mongol probably) 2300 11/30 (Cd. be Sining, Qh.) Pips: 5G+F
- 1269 (BJ) UNID, EE LL 2215 11/30
- 1278 (BJ) UNID, //684 days, probably Shijiazhuang, Hebei
- 1287 (HZ) UNID C-1 1220 12/7 (only two Ningxia stations listed.)
- 1296 SHANGHAI All day long language lessons from what I can tell, EE, JJ, etc. Gets out quite well. Usually dominant in HK.
- \* 1314 JIANGSU Xuzhou(?) EE LL //702 1413 0015 12/9; 0057 12/9. INTL, off 1449 12/4
- \* 1323 (SH) UNID days, S3 probably Ningbo, Zhejiang
- 1332 (BJ) C-1, UNID //1350 1359 1363 1415 12/3 (I couldn't locate Luochang)
- 1341 (HK) GUANGDONG. Anything goes here. Tagalog/SS 1157 11/29 and 1455 12/13, presumably for Philippines (signal not that great in HK) and in CC //594 619 901 1201 0555 12/11; on 0705 //1350 12/12. Not listed in WRVH79 China GP freq. allocations
- 1350 UNID, C-1. May be more than one station; if so, one of them is in Guangdong. C-1 ID 1500 12/13, and w/pips & EIR 1200 11/29, //531 1395 from HK. Pips: 5G+G  
(BJ) //1359 1363 1332 at 1415 12/3; from HK //1359 1369 1395 1415 1422 and 1408 at 1120 11/29. Could be the listed 100kw Nanchang, Jianxi
- 1359 (HZ) UNID C-1 weak days. From (BJ) //1363 1350 1332 at 1415 12/3, and from (HK), //1350 1369 1395 1408 1415 at 1120 11/29
- 1363 (BJ) UNID C-1 //1332 1350 1359 at 1415 12/3
- 1369 (HK) UNID C-1 //1350 1359 1395 1408 1415 at 1120 11/29; weak (HK) 0010 12/14
- 1386 (HK) UNID weak days
- 1395 (HK) UNID C-1 //1350 1359 1369 1408 1415 at 1120 11/29
- 1404 (HK) HUBEI Hawaiian-type guitars into EE LL 0000 12/14 //1179. Pips: 5G+F  
This is listed as Yichang 100kw; 20kw Qichun (Chichun) also listed.  
(HZ) ZHEJIANG weak, no pips 0000 12/6
- 1408 (HK) UNID C-1 //1350 1359 1369 1395 1415 at 1120 11/29
- 1413 JIANGSU-Lianyungang listed. Weak days in HZ, off 0000 12/6 to return at 0030. With Central ID 1200 12/7 (HZ). From (BJ) off with INTL 1450 12/2 under JOIF. From (HK), unk. language w/light Italian opera ("Return to Sorrento," etc.) 0959-1114 12/12; Indian type mx 0952 12/13. S/on 0900 12/14 with the only different EIR I heard the whole time over there (more of an oriental arrangement), and then wx and program preview including Beethoven (banned during reign of Gang of 4). JOIF under. I would have to put this in the same category as 1044, with some FS pgms.
- 1415 (HK) UNID //1350 1359 1369 1395 1408 1120 11/29
- \* 1422 (HK) ZIGONG PBS, Sichuan talk/march/pips/ID 1058-1100 12/11; ID'd by C'nese consulat
- \* (HK) UNID. German records, Amoy dialect 1358 12/13. Tape good but city unreadable.

- 1422(ctd) S/off 1435 12/13 w/INTL. The Chinese consulate here cannot identify the city which sounds like "soo joe" but which they say is not Suzhou/Zuzhou/Zouzhou.
- 1431 SHANGHAI. Local. Drifts 1431-1433. Listed as 1422.
- 1440 (HK) GUANXI (Kwansi) Luzhou (Luchow) listed w/ht 100kw or you can take the old Guilin (Kweilin). End of cl mx (Beethoven/Berlin orch.) ID 1500 12/13 into Central nx.
- 1441 (BJ) SHANDONG //1485 1530 11/30
- 1449 (HK) JUANGXI discussion of French play 1430 12/13
- 1458 (BJ) NEI MONGGOL (Inner Mongolia) - Huheshot & Nungmin Sum both listed. "Blue Danube" and unk. language (presumed Mongolian) 1300 12/2. Terribly distorted Pips: 5E#-F#  
RR Lang.w/bad het 1725. No ID pips or anything 2300 12/2
- 1467 (HK) FUJIAN. INTL, 1 min. silence, ID 0900 12/11 w/ROK QRM, and another ID 0930 12/14 (SH) UNID days
- 1476 BEIJING EE/FF/JJ LL station  
(SH) FUJIAN //702 1529 12/4; Wencheng listed.
- 1479 (HK) UNID 1505 12/13
- 1485 (BJ) SHANDONG //1441 w/ID at 1530 11/30
- 1503 (HK) ZHEJIANG (Chekiang) ID 0921 12/14 w/INTL, 2nd stn. under. Weak (SH) days.
- 1521 (BJ) URUMQI, Xinjiang (Sinkiang) FS chimes but no pips or ID 1400 11/30, into RR
- 1530 (BJ) SHANXI (Shansi) (Taiyuan listed in old books) ID after INTL 1535 11/30  
(HZ) HANGZHOU, Zhejiang s/on w/Central ID & EIR 2300 12/8; EE LL 1330-1400 12/8 5G+G
- 1548 (BJ) SHANDONG (Rushan listed) ID 1000 12/2 into Beijing oper. Pips: 5G+A  
EE LL 1235 12/2  
(BJ) UNID fair to weak days and I think Rushan is too far.
- 1570 (BJ) HENAN. The old books say Changde, Hunan but my Chinese-s.kg. friend says Henan he Had Hawaiian-type guitars, pause, long EIR 2320 12/2. (Henan = ex-Honan)
- 1575 (HK) WENZHOU (Wenchow) Zhejiang city ID 0915 12/12 & 12/14. However, C-1 under RFA/VOA 1210 12/7. These are the only two 1575 stations heard. Pips: 5G+G  
Pips: 5G+G
- 1584 (HK) HUNAN //1152 1233 1591
- 1591 (HK) HUNAN //1152 1233 1584 at 1400 12/11. Perhaps Pingdingshan-1590. Pips: 5G+G
- 1602 (HZ) UNID C-1 1205 12/7
- NOTE: It is difficult enough IDing regionals when they carry C-1. However, I believe there is a national program at 1200 carried on a majority of the stations (until 1230). I didn't observe this until it was too late to thoroughly check it out.  
The above covers Chinese stations; here's what else was noted (other than Taiwan):
- 540 (HK) DZWT Baguio City EL; days HK; "Tonight Show" theme used for promo
- 549 (BJ) AFKN Seoul nx, PSA, Mutual actualities 1605 11/30  
(BJ) USSR nx, 2 synchro stations, weak 1703 12/2
- 558 (BJ) HL.. Pohang (?) ROK noted 1405 11/30; from (SH) American-voice EENX 1105 12/5
- 567 (SH) HLKF Jeonju (listed) readable days //603 621 675 711 747 (other fqs. not repeated below)  
(HZ) HLKF even with CC days
- 576 (BJ) USSR RR nx into mx 1607 11/30
- 630 (HK) DWWW Quezon City, Phil. weak days, usually dominant nights
- \* 648 (BJ) USSR. Mayak IS then CC 1530 12/2. Imam listed.
- 684 (BJ) N.KOREA Sango (listed) //855 at 1650 12/2
- 693 (BJ) BANGLADESH Dacca good level 1615 12/2, and w/EE nx from HK, 1537 12/13  
(HZ) JOAB Tokyo EE LL 1240 12/7, not //1593 (NHK2)
- 702 (HK) DZAS Manila FEBC w/religious mx 1022 11/29
- 720 (BJ) N.KOREA Wiwon (listed) EL //729 783 819 855 860 927 999 at 1620 11/30 (other freq. not repeated later on in this article). Obviously Beijing C-2 was off (720).
- 735 (HK) MACAU readable only w/loop, PRC QRM much worse than 4 years ago. EE LL 1048 12/12. "Wn. Tell Overture" 1240 12/11 with drifter. (Race results, I think).
- 747 (BJ) JOIB Sapporo fair 1623 11/30
- 774 (BJ) JOUB Akita fair 1410 11/30; often heard under Wuhan. EE LL 1350 12/3.
- 801 (BJ) USSR? RR nx 2305 12/2, too weak to be the semi-local heard at night.
- 810 (HK) DZBJ Manila "rock oriented radio" 0940 11/29
- \* 846 (HK) Manila (DWIZ?) weak days; teletalk 11/29 0945; EE spots mentioning Manila 0915 11/29. WRVH79 lists both DWIZ & DXMS in Manila, but DX--calls are on Mindinao. (1980 WRVH lists new call as DMRV Manila).
- 855 (BJ) N.KOREA Sangwon (listed) //860 at 1540 11/30
- 860 (BJ) N.KOREA (have to presume this is Shinuju ex-864) //999 & 3 SW freqs. at 1420 11/30
- 882 (BJ) ROK Daejeon (listed) //891 918 1635 11/30 (HLKI) (other fqs. not listed below)
- 900 (HK) MACAU barely readable in PP or CC, considering the 897-901 hammering it gets from PRC; //97.8FM.
- 927 (BJ) N.KOREA Hwangju (listed) not//to any of the others reported 1625 12/2; the doomsday haranguing puts it in NK for me but I may be wrong.
- 954 (BJ) JOKR Tokyo fair w/pops 1510 11/30 (Tianjin off)
- 1008 (HK) DXXX Zamboanga City weak days; at nights, nothing like it was 4 years ago on 1011
- 1010 (HK) VIETNAM Hanoi very good 1320 11/29; ID, s/on I think, 2300 12/11 Pips: 6AC (e)
- 1071 (HK) INDIA Rajkot (listed) strong 1526 12/13 in native language
- 1080 (HZ) N.KOREA Ongjin pips & ID 1400 12/8. Haranguing //999 1513 11/30 Pips: 3C+G
- 1121 (BJ) UNID lang., singing stopped 5 sec. after tune-in, then silence 1715 12/2
- 1134 (BJ) INDIA Calcutta nx, sports, "Spotlight on Hejirah" 1543-46 12/2, very loud

- 1143 (BJ)ROK (Jeju) //1395 talk at 1520 11/30. I simply didn't listen to the freq. enoug to understand whythere is a strong SK there if VOA is still active. I would think they would QRM each other rather badly.
  - 1170 (BJ)ROK Seosan."KBS Magazine" in EE noted ending 1027 12/2. You can hear the jammer come on, one by one, and by 1030 when the next language started, it was unreadable
  - \* (HK)UNID Philippines noted 0922 11/29. Listed call is DZCA Manila.
  - 1206 (HK)DWAA Quezon City disco version of "Rudolph the RNR" 0927 11/29
  - 1224 (BJ) UNID w/RR talk 1715 12/2
  - (BJ)ROK HLSA Suweon very loud w/opera 1515 11/30
  - 1233 (BJ)CYPRUS RMC Cape Greco weak, AA, disco, plus a drifter 1640 12/2
  - 1278 (BJ)JOFR Fukuoka 2 men in JJ talk, western pops 1550 11/30
  - \* 1296 (HK)UNID Philippines disco w/Shanghai EE LL under 1315 11/29; "Allied Broadcasting" w/"Jesus Christ Superstar" BG mx 0900 12/12. WRVH80 lists DWPR/DWLQ as Allied.
  - 1305 (BJ)ROK HLSV Uljin (listed) noted 1550 11/30
  - 1314 (BJ)JOFR Osaka even w/ROK 1515 11/30
  - 1341 (HK)DYRL Bacolod City ID 0931 11/29, sounds automated; pops
  - 1363 (HK)UNID language 1415 12/11, perhaps Kampuchea, said to be on 1360
  - 1386 (BJ)HLAM Mokpo pops, commercials, ID 1500 11/30
  - 1395 (BJ)ROK HLCO Cheolweon (listed)//1143 at 1520 11/30 Pips: 3B(e)
  - 1401 (HK)UNID language at 1510 12/31, Indonesian?
  - 1413 (BJ)BBC Masirah, Oman clear, fair, EE (inflation news) 1720 12/2
  - (BJ)JOIF Fukuoka. "Sounds with Coke" alternating Amer./JJ announcers, pops 1417 12/2; Bi-lingual female w/pops 1430; "Music Island" 1500 2-voice JJ. No JO calls the who: time, but "KBC" was mentioned when they were talking about sending post cards.
  - 1440 (HK)UNID Philippines 0930 12/11
  - 1458 (HK)FEBC Iba, Philippines unk.language, IS chimes, carrier off 1400 11/29. From (HZ) EE religion 1107 12/7
  - (BJ)USSR? Mayak IS 1730 12/2 under what I have presumed to be Nei Monggol. The het went off shortly thereafter, which must have been the Russian.
  - 1481 (BJ)DUBAI weak AA 12/2 1723; also noted HK weak 1505 12/13
  - 1494 (HK)DWEE Quezon City "D-W-double-E" pretty much in the clear w/pops so Sanming JF is not on. Emphasis on disco. Quezon is like "kez-zon" rather than "kay-ssohn."
  - 1521 (HK)DYWB Bacolod City is here, not 1512 (WRVH) w/ "Checkpoint" teletalk program, Carnation, RC Cola spots in Tagalog/SS/EE 0913-0924 12/11. Urumpi on top at night.
  - 1557 (HK)DWGO Olongapo, Phil. pops 0918-0928 12/12, fair.
  - (HK)MALTA Cyclops bombing in GG nx (every item had "Bonn" lead) 1607 12/13
  - 1566 (BJ)HLDA Jeju ROK Christmas music not jammed 1235 12/2
  - (HK)TUNISIA Sfax weak AA 1640 12/13; by then, Malta was weak, too
  - 1575 (HK)THAILAND Ayutthaya (or wherever) even w/Wenzhou 1305 11/29, and on top with EE discussion of China 1245 12/13
  - 1593 (BJ)NHK synchros - clear frequency so far. Billy Joel "Just the Way You Are" and PP&M with "Puff" during "English Hour" 1411 12/2, //693 873.
- Here's a brief (retrospective) look at reception conditions in different cities:  
 Hong Kong as per WRVH with RTHK EE 567 and CC 783; Commercial Radio has EE 1044 and CC 675 & 864. BFBS is still on 1250, not 1251. Since my last visit 4 years ago, Commercial Radio has installed new audio processing equipment rivalling that of WRKO. Guangdong 648 and 1062 are semilocals; Macau-735 is poor due to co-channel QRM from Guangdong; 900 is squeezed in between Guangdong 897-901, and 1200 has never been heard. Kaohsiung(Gaoxiung)-1450 is the loudest Taiwan station daytimes.  
 Beijing locals are 639 720 828 927 1036 1476. 603(//720) and 801(//639) are either in or very close to Beijing. 783-Baoding and 909-Tianjin are also quite strong.  
 Shanghai locals 540(C1) 792 855(C2) 1100a (floats) 1296 (languages) and 1431a (float)  
 No towers noted, but quite a few images. Jiangsu-702 is the strongest semilocal days.  
 Hangzhou locals are 830 and 1530. Shanghai 540 & 855 are good. Many images.  
 Guangzhou locals are 648 735 901 1062 1201 1341. HK 567 675 783 864 1044 are OK when they aren't jammed.
- TAIWAN/ROC. Geneva-plan ROC frequencies are 621 1314 1539 and possibly 909 1422. All the others as far as I can tell are still on 10kHz frequencies. Once again, I believe there is a "government hour" 0000-0030, as was noted on 1270 1310 1320 1440 1460 12/7, but as was the case with PRC, I didn't get into because of other challenges on the dial.
- 621 (HK)Voice of Asia, Taipei (no address in WRVH.) EE nx 1031 11/29. I didn't sense the super power that's supposed to be here. Only a weak jammer noted, outside of BJ.
  - 650 (HK)Taichung (Cheng Sheng) fair days when Guangzhou-648 off
  - 680 (BJ)UNID. Bagpipe version of "Oh Susanna" and Mantovani 1618 12/30
  - 710 (HK)Tainan (Kung Chun) weak days. (WTO)
  - 720 (HK)Taichung BOCL Lenny Dee, pips, WTO 0700 11/29 Pips: 3A+A(e);
  - 750 (HK)Minhsiung CBS pips, ID, march 0500 12/14 Pips: 3A+A(e);
  - 770 (HK)Taichung (Fu Hsing) weak days
  - 890 (HK)Tainan VOFC/BCC weak days
  - 909 (HK)UNID but sounded more like Taiwan than Fujian, which is listed here. For instance, "Tenn. Wz." 1135 12/13.
  - 970 (HK)Tsaotun (listed) weak days

- 1190 (HK) Probably Tainan (Sheng Li) weak days. Also, EE rel. pgm., Dr. J. Vernon McGee, preaching 0959 12/13. No iding response from the PO Box on the pgm.
  - 1220 (HK)Probably Kaohsiung, but might be Philippines. Growly voiced preacher selling 3 LP's for \$10; interval mx 1128; unreadable ID; another preacher 1130 12/11. Like-wise no ID response yet from the PO Box given here.
  - 1260 (HK)UNID days, possibly Taipei, but perhaps Fujian.
  - 1290 (HK)Taichung (Chun Chung) most likely days
  - 1300 (BJ)UNID, Amoy, 1717 12/2
  - 1310 (HK)Taichung (Fu Hsing) weak days. ID 0300 12/13 into LBL.
  - 1314 (BJ)Chunan off 1600 12/2 w/ID and some bells
  - 1320 (HZ)Taipei? into local pgmg. 1228 w/ID 12/7; PRC station also here.
  - 1400 (HK)Kaohsiung (Cheng Kung) ID 0200 12/23, fair level.
  - 1422 (HZ)UNID. Anita Kerr Singers, Percy Faith's "Summer Place" (the latter on a slow turntable) 1109 12/7 12
  - 1440 (HZ)Taipei (Kung Chung) discussion 1203 12/7 . Noted //1460 1310 1320 1270 at 1214 / 1450 (HK)Kaohsiung BCC2 strong days, mx, commls, pops 0558-0800 12/11
  - 1470 (HK)UNID specific BEC- calls (about 5 of them) run off 1002 11/29 but I didn't have the tape going and there is no BEC51. Sigh. Only time calls ever heard.
  - 1460 (SH)Chiayi (Chiao Yu) ID bells 1500 12/4
  - 1490 (HK)Taipei? 1405 12/11
  - \* 1539 (HK)UNID, weak days, BOC outlet 0858 12/12. Tainan listed. Pips:2A+A(e)
  - 1550 (HK)ICRT Taipei (successor to AFMT) nx 1013 11/28, Rushan-1548 QRM
  - 1570 (HK)ICRT Taichung (1550 relay) "community Bulletin Board" daily 0900. (Note: both of these heard as far north as Shanghai at varying levels; 1550 stronger.)
  - 1600 (HZ)Taichung BOC ID 2300 12/7. Also noted w/Maurice Larcange accord-ion music HK 1420 11/28 Pips: 3A+A(e)
- SYMBOLS/ACRONYMS: (e)= last note extended. WTO - William Tell Overture. LBL "With a Little Bit of Luck." When in HK 4 years ago, my non-calibrated, non-digital Nordmende Condor kept picking up "WTO" and "LBL" around 700kHz but it didn't sound like CC. So Bryan Clark and others to whom I sent a dub, rest easy.Taiwan uses these two cuts, with "LBL" probabl a Fu Hsing IS, and "WTO" perhaps a BCC IS. If you hear "Red River Valley" on a Chinese station, don't be surprised. For a reason unknown to me, it is a familiar and/or significant song there (it was performed at a show in Shanghai -- in CC of course.) It was used behind one of the medication commercials I heard on Guangdong-801. Anything goes before the pips on PRC stations -- marches, Hawaiian-type guitars, who knows.
- JAMMERS, OCS, CW IN CHINA:
- |                                    |   |
|------------------------------------|---|
| 524 (BJ) OC "D"                    | 1081 (HK) J   |
| 528 (SH,HZ) OC "BF"                | 1097 (HZ) OC  |
| 534 (BJ) OC "LM"                   | 1100 (BJ) J "HY"  |
| 585 (SH) OC "BW"                   | (HZ) OC   |
| (GZ) J                             | (GZ) J  |
| 598 (SH) J "L" (S2 level)          | 1170 (BJ) J "HY"  |
| 600 (GZ) J (weak)                  | 1173 (BJ) J   |
| (SH) J "BW" (local)                | 1179 (BJ) J "HY"  |
| (HZ) J                             | 1188 (BJ) J "OO"  |
| 603 * (BJ) J "WJ"                  | 1194 (SH) J (S5 level)  |
| 610 (HZ) OC (S8 level)             | 1207 (SH) J "BW"  |
| 621 (BJ) J "WJ"                    | 1251 (BJ) J "HY"  |
| 632 (BJ) OC "D" or "TI" (QRMs 639) | 1259 (SH) J "BW" (local)  |
| 649 (SH) J "BW"                    | 1260 (BJ) J   |
| 658a (SH) J "BW" (local)           | 1262 (GZ) J   |
| 660 (HZ) J                         | 1318 (SH) J (local)   |
| 662 (BJ) OC "JD"                   | 1322 (SH) J "BW" (two of them, same IDs, different transmitters; local) |
| 666 (HZ) OC                        |   |
| 675 # (GZ) J (covers Hong Kong)    | 1326 (HZ) OC (local)  |
| 735 # (GZ) J (covers Macau)        | 1341 (BJ) J   |
| 750 (HK) J                         | 1350 (BJ) J   |
| (SH) J (weak)                      | 1368 (BJ) J "HY"  |
| (BJ) J "WJ"                        | 1377 (BJ) J "W"   |
|                                    | (SH) J "BW"   |
| 774 (HZ) OC                        |   |
| 783 # (GZ) J (covers Hong Kong)    | 1431a (GZ) J (local)  |
| 821a (SH) J "BW"                   | 1470 (GZ) J   |
| 864 # (GZ) J (covers Hong Kong)    | 1485 (BJ) J (S6)  |
| 900 (BJ) J "HY"                    | 1511 (SH) J "BW" (local)  |
| (SH) J "L" (local)                 | 1540 (GZ) J   |
| 961 (HZ) OC                        | 1561a (BJ) J "PS" (local)   |
| 1053 (HZ) J (local)                | 1567 (GZ) OC (local)  |
- \*603 jamming starts 1600 when the local, or semi-local 603 C-2 modulation goes off #675/783/864 jamming went off for the 6am LT (2200 12/9) news on the HK stations, and then went back on. (NOTE: Several OCS turned into jammers as time went on.)  
 #735 jamming is on apparently when the Guangzhou station isn't modulating audio.  
 \* - information revised through 4/25/80

QUALIFICATIONS & ASSUMPTIONS - CHINESE MW LIST (Revised 11/6/79)

- \*1. YECHING 531 (W79) is the former Yehcheng SC (RM76).
- 2. WANCHENG 594/1476 is FJ (W78).
- \*3. MEI XIAN 603/828/1017/1116 is GD (Mei Hsien) and not Mei shan SC.
- 4. BAODING (Paoting) HE is bigger than the one on Hainan Is., GD.
- 5. 873 Fujin = Fuchin HJ  
1260 1590 Fuxin shi = Foushin LN (W75, W78)  
850 1520 Fushun LN  
1008 Fu Xian = Fuhsien SI rather than the larger one in IN.
- \*6. HUNJIANG 1107 is in JL (RM76)
- 7. PINGTINGSHAN 1590 is in HN (W75) rather than LN (TA67).
- 8. ZHANJIANG 1440 is transliterated as Tsanghou (W78) but I call it Chanchiang GD (RM76).
- 9. LINHE SD is on both 1368 & 1386 (W79).
- 10. HAIYUAN 1287 is in NX, not Haiyuan-Szelo GX.
- 11. XIAN (Sian)690 is inverted to 960, W78 p.198.
- 12. JIAN SHI 729 is JX rather than the one in JL near Korean border.
- 13. GUYUAN 891/1179 is NX rather than HE.
- 14. There are no Geneva plan frequencies for HE (W79) for some reason.
- 15. CHENGDO 1224 is a small H town, rather than the tempting Chengdu 1220 making a Geneva plan switch.
- \*16. CANGZHOU 567 is not a typo but is Tsangchow HE (RM76).
- \*17. ZHANGZHOU 549/1494 is FJ is W79's spelling is correct, since it is the same as RM 76's Zhangzhou (rather than Changzhou JS.). FBIS says 1210 is FJ, which would make it Zhangzhou. 1520 is Changzhou (FBIS) as must be the new 1044 outlet. However there are two considerations:  
(A). Putting Zhangzhou 549/1494 in FJ makes it only about 110 miles away from the same two frequency allocations in Sanming, which doesn't make sense.  
(B). Wherever it is, I still think the 300kw 1044 outlet slated for Changzhou JS is the former 1040 outlet thought to have been in Shanghai.
- \*18. GUI XIAN 1071 is Kuei hsien GX. However, I believe 1224-Jiayi (Chiayi); 1512 Taichung (Taichung) & Gaoxiong (Kaohsiung); 999 Mengchun and 531 Jimen (Chinmen/Amoy) are futuristic Taiwan assignments.
- 19. HUIZHOU 648/846/1566. I still believe this is somewhere in GD because Guangzhou (630 in W79) has been heard on 648 (presumably ex-650). 846 has been noted as part of FFN1 (which might put it in FJ of course.) Nothing in 1566 yet. Perhaps instead it is a new proposed name for Taipei.
- 20. Geneva plan calls for Haikou 1080 (GD) whereas Santou has been heard here in 1979.
- 21. Possible synchronous stations:  
531 50kw ea. XJ Kuehrle (Korla) & Fuhai  
567 ? HE Zhangjiakou & Qinhuangdao (130 mi.)  
891 100/20 NX Zhongwei & Guyuan

22. Still unlocatable:  
QNGNIUD QI (Tibet?) 1260  
LUOCHANG 1332  
HORQIN YQ QI (Tibet?)  
RUSHAN 1548 (there is one in Tadzhikistan USSR).  
XIANGHUANG QI 1530 (not Xiangkhoang in Laos)  
ALXA QI 891 (tibet?)  
QABDO 1170  
NUNGNIN SUM 675/1548 (maybe Huhehot synchros)  
JIANYANG 558/1467

23. The following reflects considerable provincial border shifting over the years:

|                                   | L 61 | TA 67 | H 71 | W 75 | RM76 | W 78 | What I used |
|-----------------------------------|------|-------|------|------|------|------|-------------|
|                                   | NM   | NM    | JL   | JL   | NM   | JL   | NM          |
| 1150 1152 Tungliao                |      |       |      |      |      |      |             |
| 1350 1494 (Chelimu/<br>Zhelimu)   |      |       |      |      |      |      |             |
| 963 Chifeng                       | IN   | NM    | IN   | IN   | NM   | --   | NM          |
| 1440 (Chihfeng/<br>1560 Chaowuta) |      |       |      |      |      |      |             |
| 1080 Xilinhot                     | --   | --    | IN   | NM   | NM   | NM   | NM          |
| 1330 (Silinhot)                   |      |       |      |      |      |      |             |
| 685 830 Luda (Luta)               | IN   | GD    | IN   | IN   | IN   | --   | IN          |
| 990                               |      |       |      |      |      |      |             |
| 1224 Beihai (Peihai GD            | GD   | GD    | GX   | GX   | GD   | GX   | GD          |
| 1470 /Fahkoi)                     |      |       |      |      |      |      |             |

|                  |         |    |    |    |    |    |    |    |
|------------------|---------|----|----|----|----|----|----|----|
| 1430 & variables | Hailar  | NM | NM | HJ | HJ | NM | HJ | NM |
| 1380             | Ulanhot | -- | NM | HJ | JL | NM | JL | NM |

The Inner Mongolian border has been drifting around all over the place. For the most part I have used the most recent source, the RM 76 which has pinyin names and presumably the most accurate borders. The Hammond 71 atlas seems to be at variance with just about everybody. Hailar has been in three provinces.

AFRICAN TRIP QUESTIONS

1. QURIAT 612 657 927 945 900 990 1170 is unlocatable. Possibilities:  
Qarayyat al Milh (oasis) near Ghatti; near Jordan; 140mi E of Jerusalem.  
Qaryat al Ulya 27.33N 47.42E (The two Qaryats are 70mi from Persian gulf.)  
Qaryat as Sufla 27.29N 47.49E. These two are close. With all this power, it has to be used for FS.  
There is also a Qariat YEM 13.16N 44.13E, near Aden; Quryat 23.20N 58.58E, 30 mi SE Muscat.
2. Other unlocatable places:  

|                     |                   |                         |           |
|---------------------|-------------------|-------------------------|-----------|
| APLAHQUE Benin      | 1251/1566         | PT. FUAD Egypt UAR      | 1242      |
| AITO Lebanon        | 1494              | SEEBLE Botswana         | 1215      |
| AMCHIT Lebanon      | 989 (990)         | SIMLEMBWA Malawi        | 909       |
| BOBI Uganda         | 810               | SARAKES Syria (Sarakeb) | 746 (747) |
| BQVTO Gambia        | 648 684           | TAYBAD Iran             | 720       |
| EZYON Israel        | 612 711 1395 1458 | TELZNOUS (Telznoub)Leb. | 549       |
| HIZYAZ S.Yemen      | 603               |                         |           |
| HAMAT Lebanon       | 836               |                         |           |
| JACOB Congo         | 1323              |                         |           |
| LANCERS GAP Lesotho | 639               |                         |           |
| MELENE Gabon        | 1554 (1557)       |                         |           |
| MISAU Iraq          | 846               |                         |           |
| MUHINGA Burundi     | 738               |                         |           |
| ORAPA Botswana      | 621 648           |                         |           |

ABBREVIATIONS/SYMBOLS

- \* new revised info
- H71 Hammond atlas 1971
- L61 Life atlas 1961
- RM76 Rand-McNally atlas 1976
- TA67 Times atlas 1967
- W75/78/79 WRIVH 1975/1978/1979



Mr. Gary Houdek  
Munden, Kansas 66959

In response to your inquiry...our hours of operation vary from month to month according to FCC dictates. For December were are required to sign off from 4:30 p.m. to 6:45 p.m....otherwise we are on around the clock.

This has something to do with protecting a clear channel station in New York state.

And yes, we are still affiliated with the American Information network.

Thanks for your interest. I hope you are able to read us again.

Cordially yours,  
*Paul Morsch*  
Paul Morsch  
News & Sports Director

This is an "addendum" to the 1980 NRC baseball networks listing which ran on pp. 40-42, 4/21/80 DXN. Compiled by Ken Onyschuk and Bill Hardy (typed by Bill). Please send any additions, corrections, etc. to Bill Hardy, 2301 Pacific Ave., Aberdeen, WA, 98520. Thank you very much.

Acknowledgements for this update: Dave Arbogast, Ray Barno, Joe Brauner, Mike Brooker, Tim Cronin, Neil Kazaross, Bill Moriyama, and Robert Wien. Thanks to all for writing in! Also thanks to Major League Baseball HQ for current info on 1980 announcers.

I've had at least one offer to take over next year's NBA listings. We still need to find a volunteer to handle NFL football and college sports.

#### WE STILL NEED 1980 NETWORKS FOR THESE TEAMS:

New York Yankees  
New York Mets  
St. Louis Cardinals

Hopefully, some baseball fans in the Big Apple and in last year's NRC convention city can come through for us! Thanks!

#### AMERICAN LEAGUE

BOSTON RED SOX Jon Miller replaces Rico Petrocelli. Also, WROW-590 should be deleted from the Red Sox net; WROW carries the Yankees instead.

CALIFORNIA ANGELS Bob Starr, Steve Shannon  
580 KMJ--CA 1230 KWTC-CA 1280 KKAL-CA 1400 KRCQ-CA 1440 KPRO-CA  
710 KMPC-CA<sup>1</sup> KXO--CA 1340 KFER-AZ KAAP-CA 1450 KTIP-CA  
920 KORK-NV KPRL-CA KDOL-CA+ (plus 3 FM's)  
1010 KCHJ-CA 1240 KSMA-CA KSFJ-CA  
KCMJ-CA

1. In some cases, Angels games are carried on another Los Angeles station when the L.A. Rams (NFL) or UCLA Bruins (college football & basketball) are being carried on KMPC.

CHICAGO WHITE SOX Add Rich King to announcers.

CLEVELAND INDIANS Nev Chandler replaces Joe Tait. Also, there's a typo to correct: WKNT-OH\* is on 1520, not 1420 as listed. And drop the "+" from the WKNT listing. Question: One list I have shows WLKK-1260 Erie, PA, as still on the Indians network; another list drops them. Can anyone in the Erie/Cleveland/Bufalo corridor listen to see if WLKK has the Indians?

MINNESOTA TWINS Herb Carneal, Frank Quilici

570 WNAX-SD 1230 WKLK-MN 1260 KROX-MN 1410 KRWB-MN 1490 KXRA-MN  
600 KSJB-ND KTRF-MN 1270 KBOM-ND 1450 KBUN-MN 1520 KMAV-ND\*  
830 WCCO-MN<sup>1</sup> 1240 WMFG-MN 1340 KVER-MN KGCA-ND 1590 KRAD-MN  
970 WDAY-ND KDLR-ND KDLM-MN 1480 KGCC-MT (no FM's)  
1040 WHO--IA 1250 KBRF-MN 1400 KEYL-MN KSDR-SD\*

1. WCCO may have a few conflicts with Minnesota Vikings NFL in the fall. (P.S.: Our apologies for totally overlooking Minnesota last time!!)

NEW YORK YANKEES 590 WROW-NY and 1240 WWWD-NY are on the network.

OAKLAND A's Beginning 4/28/80, are on 1310 KDIA-CA, no network so far.

TEXAS RANGERS Announcers: Bill Merrill, Eric Nadel, Mel Proctor.

TORONTO BLUE JAYS Add to the network:

710 CHYR-ON<sup>1</sup> 730 CHYR7-ON<sup>1</sup> 1230 WNIA-NY 1490 WBTA-NY  
1. This Leamington, Ontario, station operates as CHYR on 710 daytime, and CHYR7 on 730 nighttime; switchover is made at sunset. CHYR and CHYR7 will not carry Sunday games because of commitment to ethnic language programming on Sundays.

#### NATIONAL LEAGUE

CHICAGO CUBS Vince Lloyd, Lou Boudreau

720 WGN--IL 1230 WSAL-IN 1300 WAAC-IN\* 1440 WRBA-IL 1560 WBUK-MI\*  
980 WITY-IL 1250 WGL--IN 1330 WRAM-IL\* WGEM-IL 1580 WCCR-IL\*  
1110 WFPM-IN\* KCFI-IA 1340 WSOY-IL 1460 WKAM-IN KWNNT-IA\*  
1220 WLPO-IL\* 1290 WDGS-IN\* 1400 WBAT-IN 1540 WBNI-IN\* (plus 3 FM's)

HOUSTON ASTROS Add Larry Dierker to announcers.

MONTREAL EXPOS Add 1350 CKAR-ON to network.

PHILADELPHIA PHILLIES Add a fifth announcer: Tim McCarver!

PITTSBURGH PIRATES Change the call letters of "WWSF" on 1400 to read

1400 WAMQ-PA<sup>1</sup>; footnote should read "Formerly WWSF, Loretto, PA." This call change took place last August, but evidently it slipped past me.

SAN DIEGO PADRES Add Bob Chandler to announcers. (English net)

SAN FRANCISCO GIANTS Lindsey Nelson, Hank Greenwald

630 KOH--NV 980 KINS-CA 1230 KDAC-CA 1400 KQMS-CA 1490 KBLF-CA  
680 KNBR-CA 990 KHVH-HI<sup>1</sup> 1250 KHOT-CA\*\* 1410 KMYC-CA (plus 1 FM)

1. Strong likelihood that this is for selected games only. 73----BH.

Most DXers are aware that the presence of seawater or of mountains can significantly alter patterns of reception, especially reception of ground-wave and very-low-angle skip signals (such as those from TA stations heard before East Coast sunset & those from TP stations heard after West Coast sunrise). Two equal-power omnidirectional co-channel groundwave stations the same distance from the DXer should have the same signal strength if the terrain to each station is identical. However, if one station is coming to the listener over salt water and the other is over lossy ground, the station with the over-water route will utterly overwhelm the other signal. Similarly, a station coming across flat farmland will easily dominate over a comparable station at the same distance but blocked by high mountains. In sizing-up the reception potentials of a given site, the DXer may want to prepare a chart of reception-enhancing and reception-diminishing terrain characteristics in the immediate vicinity of his location. In my chart, I chose 40 miles as the maximum distance of interest; from empirical observations in this area, the presence of mountains or water in the direction of propagation has little effect beyond 40 miles. The curvature of the earth is appreciable beyond this cut-off point; even groundwave does not appear to be influenced by terrain which is more than 40-50 miles from the receiver and transmitter ends of a path, although very large mountains or bodies of water may still have a noticeable effect.

Such a chart should indicate bearing (degrees east of north) versus distance (e. g. 0 to 40 miles). Potential DX targets may be listed for each 5° to 10° step in bearing. The line chart is developed by obtaining a map of the area, a drafting compass, and a protractor. Concentric circles may be drawn (for instance, every 3-mile distance multiple) by using the drafting compass. These are centered on the DXer's QTH. The protractor is used to scribe radial bearing lines every 15° starting from 0° (north). The polar plot thereby generated can be transformed into a linear plot on graph paper. The outlines of significant propagation-affecting terrain characteristics (mountains, ocean, etc.) can then be transferred to the linear chart. The sample chart accompanying this article shows the distances and bearings to the shoreline from my home in Billerica, MA. The land between here and the shore is relatively flat; soil is of the low-conductivity variety associated with the coastal plain.

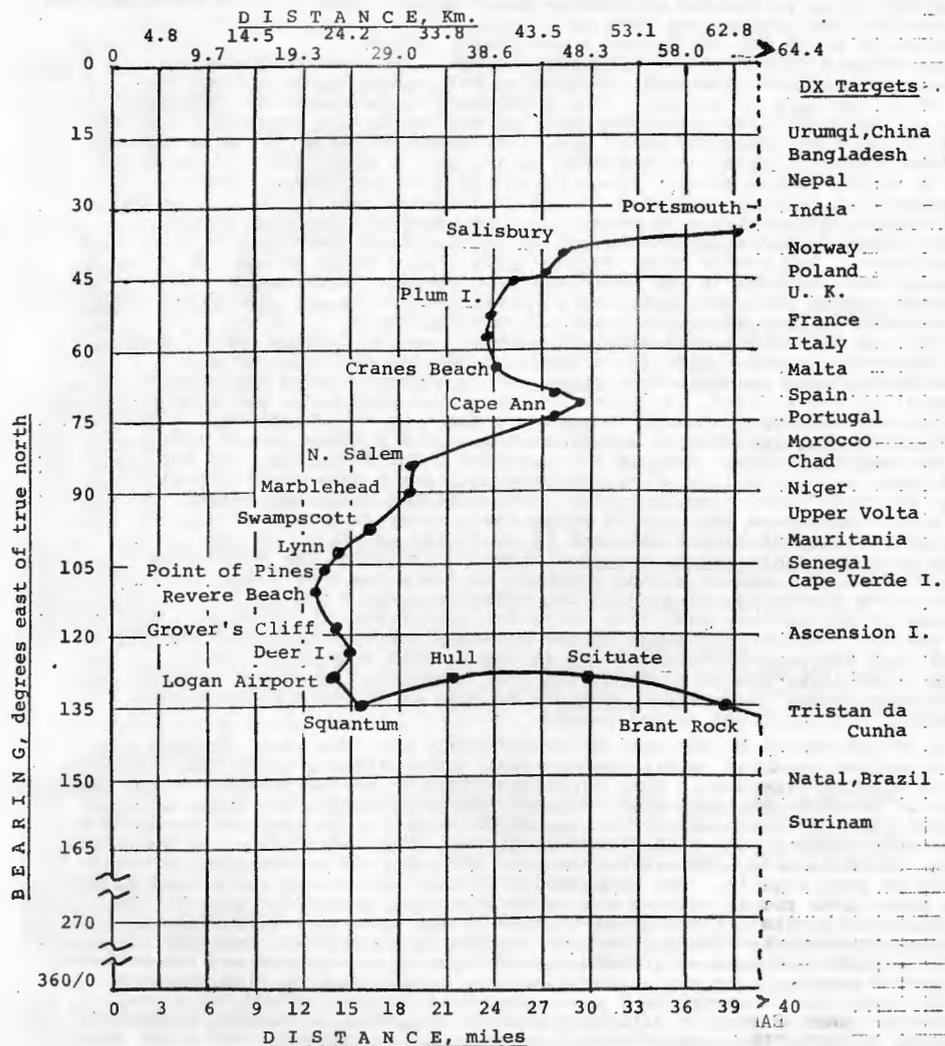
There is a definite signal drop-off observed as one travels inland away from the coast when the station of interest is arriving over the water. A squared-distance relationship appears to be operative here for a given increment of signal loss. In other words, if you lose 6 db. on an over-water signal (arriving at a 90° horizontal angle to the coast) by travelling 1 mile inland, you would have to travel 4 miles inland (2<sup>2</sup>) for the next 6 db. drop, 9 miles for the next 6 db. drop, etc. In the above case, we are dealing with a distant over-water groundwave signal (e. g. Virginia heard from Nantucket, path distance about 500 miles). With such a signal, a change of 9 miles distance would result in a negligible change in signal strength if there was no change in the medium over which the signal arrived: signal strength at 500 miles over water roughly the same as signal strength at 509 miles over water. In the above discussion of signal loss resulting from a change in receiver-to-transmitter path from 500 miles over water to 500 miles over water + 9 miles over land (at the receiver end of the path), the signal loss can be attributed solely to the 9 miles over land, land having a far lower ground conductivity than seawater. It is not because of the mere change in distance from 500 to 509; it is because the change in medium over which the signal passes.

I should hasten to say that my observations are just that, observations. In a serious study of coastal-enhancement, propagation physics would have to be applied carefully. Many parameters have to be considered - among them: type of receiving antenna used, signal frequency, horizontal angle of the signal path to the coastline, overwater distance to the station, overland distance, water depth, ground conductivity on overland portions of the signal path, shoreline slope/elevation, weather effects, and the vertical arrival angle of skip signals. The comprehensive study of coastal vs. inland DXing has been given little serious scholarly attention in the "DX press". My discussion in this article is an attempt to motivate more-knowledgeable propagation experts with appropriate physics backgrounds to come forth with accurate analyses of groundwave and skywave propagation and the effects of ground-conductivity variations along the transmitter-to-receiver path. It is known that a change from salt water to sandy soil along the signal route can cause errors in direction-finding attempts; refraction properties (similar to those encountered when light passes from water to air) might occur.

A full treatment of coastal-effects should certainly include loop-direction null data, a diagrammatic display showing signal drop-off (as a receiver is moved inland) of overwater groundwave signals from different distances & different horizontal angles to the shoreline, a signal-drop-off diagram for skip signals at different vertical arrival angles & at differing horizontal angles between path & shoreline, and a full analysis of sunset fade-in & sunrise fade-out times for a variety of skip stations. Fade times for given stations should be compared at coastal & inland receiving sites. Signal drop-off studies should be done for groundwave & skip stations at several different frequencies (e. g. 550, 750, 950, 1150, 1350, & 1550 kHz.). Some theorists have mentioned a "focusing effect" at the land/sea boundary which intensifies overwater signals as they arrive at the shore; in other words, if you were to go a mile out to sea, a signal decrease may occur relative to the level of that distant signal noted on the beach. Another concept often bandied about is that a signal travels farther over shallow (sea) water than over deep water: no hard formulae have been put forth to support or to refute this.

With the growing popularity of daytime DXing, it's about time that someone published a definitive work on groundwave/low-angle skywave mechanics, with an emphasis on the influence of terrain-characteristics.

COASTAL PROFILE CHART/ Billerica, MA. (Pinehurst section) G.C.. 42.5N/71.2W.



## MUSINGS

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

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

This column done by back-up editor  
Dave Yocis

### HE ACCIDENTALLY INVENTS NEW ANTENNA!

CONRAD R. DUROCHER - 4500 Spencer Hwy. - Pasadena, TX 77504  
Greetings from Amarillo, where it's blizzard time. My last Muse did a little stirring up as I got a card from Houstonian CHUCK TANNERY giving me some tips (thanks, Chuck) and a call and visit from ART BIGELY, who's an XR operator at KEYH-850 (which is now all S:LAT). At the same time, had a pleasant visit from JOHN CLEMMER to our crazy household during his Texas travels. (John, the Plymouth was buried with full honors, hi.) (Whose Plymouth, yours or John's, hi - DY) Had a chance to show him my new TRF "accidental" antenna. I have a 2-meter ringo ranger up 30 feet and guyed 4 ways. The disconnected lead-in was accidentally draped over the TRF and signals came up 50%, so I stuck the connector tip into the "Ext. Ant." and signals came up even more! It's omnidirectional, but who cares? On to the goodies: 3/10-out of pileup on 1600 came 500-watter WEUP-Ala. at 1:05 a.m. w/EZL. Caught nice clear s/off of KPMC-1560 Bakersfield at 1:05, recorder was off - ouch! Down on 740, local KTRH was off at 1:45 and KCBS-San Francisco was in easily, KRMG-Tulsa testing under. 3/13-some c/w u/TT on 1560, thought it still might be Bakersfield, but in came clear ID at 1:20 a.m. "K-K-Double-A" in Aberdeen, S.D. for new state. 3/25-Who was Tting on 1550 from 2:45 a.m. to beddybye? Ernie, I'm doing my best to scare these Texans out of the woodwork. See y'all next Muse.

### PLANS TO ENTER BROADCASTING SCHOOL

STEVEN D. MILLER - P.O.Box 46 - Boston, MA 02125 \*Vol.4 No.31\*  
Hello! everyone! how's DX? Before I get into the details of this Muse I'd like to say for the final time, Congratulations! to our new Musings editor DAVID YOCIS (Steve - please note that I am NOT permanent Musings editor!! - DY) and I hope you find your editorship to be a "rewarding challenge." The LPC has really outdone itself again; the all-green St. Patrick's Day issue was great! Outstanding job, fellas. Received my copy of the 3/28/80 issue of the 3/28/80 issue of the GWDXA's bulletin, and boy does it look great! Come September I will join four other DX clubs, three being shortwave exclusively and the last one FM. I'm presently a member of the three major AMBCB "exclusively" DX clubs and I will stay an active member in each of those clubs for five years each. I plan to enter Broadcasting school in the spring of 1982, and will take courses in announcing and Deejaying, and would like to work at a soul and contemporary mx stn. As soon as I receive my new electric typewriter, I will type up a special project to be in the Vol. 48 No. 1 issue, please watch for it. Well, that's all this time, so 73's and C U N awhile. S. D. Miller.

### WGFP-940 IS NOW ON THE AIR

CRAIG HEALY - Box 182 - Cumberland, RI 02864 4/10/80  
Hello all, time for another Muse. First, WGFP, Webster MA is now on the air. They started broadcasting at noon on 3/29, w/250w D-1 on 940 kHz. The general manager is Isaac Richardson and he seems friendly to DXers so let's handle with care. The mailing address is Box 930 (yes, 930) Webster, MA 01570. All reports should go to Mr. Richardson. I'll try to get a test from them if possible. They put a fair signal in here until Canada takes over near sunset. Otherness: I found a quick way to figure if a frequency is one of the 9 kHz Geneva Plan channels. Simply add the numbers and if they equal 9, you got it. Examples: 1521, 1+2+5+1+9; 666, 6+6+6=18, 1+8=9. The idea is to successively add until you get a single digit. If it is a 9, then it is a 9 kHz GP channel. Doesn't work as neatly on the LW frequencies, though. All those are 2 kHz high. (In other words, they are all exactly divisible by 9. We math majors play around with little tricks like this all the time, hi - DY) Lastly, has anyone out there tried to put regeneration in a loop antenna amp, either air or ferrite (SM series) core? Should increase sensitivity and selectivity if done right. MARK CONNELLY has done something similar in the RF stage in a TRF and it worked well. Might be interesting. That's all for now, best regards folks.

FUTURE MUSINGS DEADLINES: IN PROVINCETOWN 5/12 and 6/2,16,30. ALL ARE MONDAYS AND WE HOPE TO SEE YOU THERE!

COMPARES CAPE COD BANDSCANS

MARK CONNELLY - WAIION - 30 William Rd. - Billerica, MA 01821 4/8/80  
 First, greetings to DVAE YOCIS, Musings Backup editor.  
 (Thanks much, Mrak - DY) Dave: East coast domestic skip is what makes TADX difficult; TPDxers have less slop to fight. A 20 dB o/s9 TA is frequently unreadable because of splatter in the east while a s5 TP often provides the wetsern DXer with good audio. (In reference to an IRCA Forum of mine - DY) New stations checked at W. Yarmouth on 4/6 at 11 a.m. EST: WDCl-1590 not noted, WARV solidly in control. WQFP-940 mixing w/WINE, both u/CBM. 1520 all WlBG/WTHE, no sign of WPOE. I've just modified one of my TRF's with Vernitron transfilters per CHUCK HUTTON's recent article. A substantial improvement in selectivity is noted; sensitivity is only slightly decreased. I enjoyed reading about recent TA catches by KAZ, ECK, and "Beverage BAIL-EY." (You would enjoy reading about mine if I had any to report, hi - DY) UnID stns roundup: HARRISON REED's 535 is Grenada, his 705 is St. Vincent. These and other Caribbean stns run OC after s/off to keep moisture out of their rigs. They operate under humidity cx comparable to those encountered by shipboard stns. ERIC CRUSER's 885 must be Montserrat. STEVE MILLER's 1470 R. Moscow is likely a SW image, not a Cuban. Steve - why did you list 6 number for a SINPO code report? It should be 5. Also, what's with the "quotation marks" around words? ERNIE COOPER's bandscan was interesting: P'town has considerably better pick-up from the west than the W.Yarmouth/S.Yarmouth/Bass River/W.Dennis/Dennisport area which I used for the Cape Cod scan in the recent East Coast Groundwave Analysis article. The Bass River mouth is better than P'town for DX from the south. The westerly advantage of ERC's QTH is illustrated by the following: WLW-700, WGN-720, WBBM-780 heard during the day while more southerly/closer WCAU-1210 not noted. The reverse situation occurs in the Bass River area: WCAU heard/WLW, WGN, WBBM not heard; WABS, not WBBM rules 780. ERC gets WLAD-800 u/WCCM, instead of my CHRC/WTMR u/WCCM. He gets WSBS-860, not CBH/WTEL. WEIM equals WABK-1280 at Ernie's site w/WADO not noted; at W. Yarmouth WADO and WABK share dominance. WEIM is a poor third, probably mixed w/WSFD (Del.) One can travel as little as 6 miles from W. Dennis beach on the south coast to Quivett Neck/E. Dennis on the north coast side and change the dominant stns on many channels. The low conductivity of the sandy soil between the two sites is a factor, even though the land is flat. Long Islanders will note a similar phenomenon if they compare daytime DX from Northport and from Bay Shore. Out of room, so 73 for now. (But shouldn't Canadians like CHRm and CBH come in just as well, if not better, in P'town than the south Cape? Interesting, at any rate. - DY)

HEARS 739 STATIONS HIS FIRST YEAR BACK IN NRC!

SIDNEY E. MARSHALL - 7224 Pam Drive - Millington, TN 38053 4/8/80  
 This will be an anniversary Muse as this month (April) marks one year in the NRC and also a year back in the DXing hobby for mw. Welcome to Dave as the Muse backup editor. (Thanks, Sidney - DY) My first year station total now stands at 739. I'm real proud of the 4 I have from California, i.e.: KFI-640, KPWB-980, KNX-1070, and KPNC-1560. While I couldn't get a positive ID, I feel sure I heard KPNC-1120 Eugene, OR w/KMOX a few weeks ago. However, it will not go in my logbook until I get a solid ID on it. My GY total has been holding at 60 for some time so I'm planning on putting forth some extra effort in the coming weeks to get a few more GY'ers. Some time back I mentioned the excellent book Arkansas Airwaves, which is an in-depth study of the history of broadcasting in that state, and I now only lack 3 stations of hearing the 82 that are covered in that book. Now to recent DX since my last Muse: WAMI-860 Ala. at 7:05 a.m. 3/30; WIVK-850 Tenn. 4/1 at 6:06 a.m. (for a 50 kW in my state this has been a tough one to land due to KOA!); WOKZ-1570 Ill. 4/1 at 7:33 p.m. w/s/off hrd; WYOK-1600 Ga. 4/3 at 6 a.m. w/s/on hrd before local thunderstorm took over, and thanks to a new announcer's error, I logged WYSH-1380 Tenn 4/6 at 7:58 p.m. to 8:10 p.m., at which time I called the stn and found that the new employee had left the AM on the air and their FM was being piped out on it. After he got over the shock of someone 350 miles away hearing the stn, he thanked me for letting him know the AM was still on the air past s/off time! Do hope I get the verie I asked for while I has him on the phone. Must s/off myself so 73's and best of DXing to all.

SIGN OF THE TIMES: THE P.D. OF WCZY-1500, INTERVIEWED IN THE DETROIT FREE PRESS, SAYS THAT THE 0.7 RATING HIS STATION GOT IN THE LATEST RATINGS IS DUE TO THE FACT THAT ALL THEIR PROMOTIONS ARE FOR THE SIMILARLY-FORMATTED WCZY-FM. EVER NOTICE THAT MANY AM/FM COMBOS ONLY PROMOTE THE FM? WHAT DOES THIS TREND MEAN FOR THE FUTURE OF AM?

DON'T FORGET THOSE YAD RESERVATIONS FOR MAY 24-26. WRITE JERRY STARR, c/o WSRD RADIO, 401 NORTH BLAINE AVENUE, YOUNGSTOWN, OHIO 44505, TODAY!

\*SPRING DX ROUNDUP\*

ED MITKUS - 8001 Landmark Circle - Tampa, FL 33615  
 Thought it about time I became one of the many DXers who make the NRC what it is - a great club! DX here has been OK of late - WNOG, Naples, FL, 1270 in w/ads, mx 3/19 at 7:10 p.m. Logged my 300th domestic at 1:50 a.m. on 3/23, WCSC Charleston, S.C., 1390. W/WQSA off after 6 pm, logged WMJK, Kissimmee, FL, 1220 w/SS pgm. ZNS-1 Bahamas was off 4/8, I logged KXEL Waterloo on pattern change. They're nice to DXers - they give full ID and location before they cut the switch! Also coming in well was HRVU-1160, San Pedro Sula, Honduras w/25 kW, 4/8 10:45 way o/KSL. Anyone interested in a summer GTG here in central Florida please drop either myself or Jeff Lockwood a line! Good DX to all, that's enough here!

CHAS WNTS-1590'S NEW ADDRESS

DAVE SCHMIDT - 42 Chelwynne Rd. - Castle Hills, DE 19720 4/9  
 Here's a report for Lefty's right hand man, DAVE YOCIS. I guess the end of the season is just about here, the static level is starting to sneak back in (I hadn't noticed it was gone - DY) and we've already had our first real thunderstorm of the season. To what's been heard: 3/24 the KHYM-1060 TEST showed up 1:04-1:17 am w/religious mx, TT, code ID's, etc. The one nice bit on the one, it was fading IN at the times the voice ID's were given! (Dave will discuss this event on ABC's "That's Incredible" next Monday, hi - DY) The music was pretty much on the missing side! 4/5-WUTQ-1550 5:28-5:44 am w/CW mx, must have a 5:15 am s/on, loud here. 4/7 WDEN-1500 2:05-2:17 am on ET using WDEN-FM audio, CW mx, pinning the meter at times. F/up's have gone to WNYR-680 (via Jerry Bond) and WCIR-1070. Ver-ies at 1027 w/the following added: v/l: WHGI-1050, WQCC-1540; v/f: WCIR-1070, KHYM-1060-TEST(w/sticker and map), WNTS-1590, WDAF-610 (on CM). For those sending a report to WNTS, their address is 4900E. RAYMOND ST., INDIANAPOLIS, IN 46203. Don't send it to Beech Grove as the P.O. will return the report. Locally, WQIQ-1590 continues w/their 6am-12 midnight sked, and were also announcing they'll be hooked into the YANKEES net, this baseball season! On 4/1, I conducted a test at WCHE from 12:15 am til 2:15 am w/the usual test stuff, OC/TT/mx. At 2 am, WKBW left the air to conduct a PoP, and we received a nice cassette report from the Boston area, signal better at times than I get them here - hi! That should be it from this end, lots of work to get started on around the house sp DX will take a back seat for a while. Keep sending the DDXD tips, too! 73's.

USSR-720 HIS FIRST TP!

MIKE STONEBRIDGE - Box 511 - Fox Creek, AB T0H 1P0 403-622-3892 4/9  
 Greetings from the still frozen North! Spring is supposed to be here but you wouldn't think so from the weather; two nights ago we had another 2" of snow and it's snowing again now, and I still have between 1 and 3 feet of it in my back yard. I haven't had much time at the dials recently because I have been studying for my second class steam engineers exam, which I write next week. On 3/3 after I had finished graveyards I listened for a while. KORL-650 and KIKI-830 were coming in clear and there on 720 was my first TP, USSR Yuzhno-Sakhalinsk w/pgm details in EE, and IS. On 3/8 at SSS CBJ-1580 came through w/ID for Province #6. KOJM-610 came through w/enough for a report on 3/9 at SSS. On 4/6 at SSS KRKT-990 came through w/s/off details and enough for a report. And to-night while I'm typing this KBKR surfaced out of the jumble on 1490, not enough for a report though. On 3/24 I received a very nice v/l from Lee Barrett who is the CE at KOJM-610, only took 15 days. Lee tells me that he would welcome any reports that might come his way. To YNGVE MATSSON: I first hrd CJXX-1430 on 12/16/79. I don't know when they started transmitting; all I know is that they are another semi local NSPer on my dials! To ERC: HERB MOUNTAIN and KEN BROWNLESS are not the only Limey members! See DXN #20, p. 21. To the guys at the NRC Publications Center, when am I going to get the reprints I ordered on 2/13? That's all for now, folks. More soon. (If you haven't gotten your reprints by the time you read this, Mike, I'd suggest dropping a line by FRANK DAILEY. - DY) (YES - DROP HIM A LINE - HQ)

ERNIE COOPER sends us the following Upcoming Themes:

| <u>DEADLINE DATE</u> | <u>SPECIAL MUSERS</u>  | <u>MASTHEAD DATE</u> |
|----------------------|--|----------------------|
| Monday 5/12          | Anyone whose address does not include street number and name: i.e., P.O.Box, RFD, or those in small towns where street address is not needed (ex: Gary Houdak) | May 28               |
| Mon June 2           | All those in states/provinces w/no seacoast  | June 16              |
| Mon June 16          | All those whose first or last names start with A, B, or C. We "lost" this one a while back.  | June 30              |

## FROM BEAUTIFUL DOWNTOWN MAHOMET...

ERIC LOY - 604 E. Locust - Mahomet, IL 61853 217-586-3255  
 Well, I just looked at the Contests in the green DX News, and I thought I did an OK job, fourth. Isn't too awfully bad. (Better than me-DY) I'm going all out on this next one so RICK CARR and ROBERT KRAMER, watch out! I need the 20 points. Verie #52 in the form of a form letter from WROM over TEST, note at bottom said when I first got it, they were 500 watts. ERC, do most of the Cubans and Colombians verify? That's all that comes in here during AU CX. (Cubans take forever if at all, Colombians depend on the individual stns. Since R. Moscow now gives XR site on their QSL's, why not write them about the 600 outlet? - DY) Cubans noted: 550, 580(?), 590, 600, 610, 630, 690, 740, 760, 780, 820, 880. Oops, WRVA-1140, v/f in also for verie #51. DX: 3/16-unid TTer on 1230 o/WJBC 1:20 am, very strong. TTer on 1240, switching powers 1:25-1:27, break, then TT 1:27-1:28 break, then nothing. However, newie logged at 1:56, FFC-860 w/piano mx w/CJBC off is CFNS, Regina, right? (Think so, Eric. - DY) Caught SSB from 1490 UNID at 2:07, that's all. WVOJ-1320 Jacksonville at 2:24 w/spot for cleaners, unn. (Did the cleaners get the spot out, hi? - DY) I'm trying to get Mom and Dad to take me up to YAD, but I'm not holding my breath. I'm looking around for a good old RX, but so far all I've found is a "green-eye" type New Castle RX, but it needs a new speaker, and new tubes, and a lot more. The 3 antique stores up here don't have anything. Boy, Mahomet used to be nice up here. There used to be a bowling alley across the street, but 2 or 3 years ago that burned out, leaving an empty steel hull. Before the smoke had blown away, a gas pump caught fire less than 75 yards away from the bowling alley. Before the bowling alley burned out, there was an explosion at the "new" mall. But, the country is still nice, especially where PAT MASON lives. There is a nice lake, and has a lot of fish. EC DXers going to the LA convention, come on and stop by, and enjoy the scenery around here. The A.M. ratings I'm checking out here show WLS w/36% and WMAQ at 12%; FM shows WLRW way ahead. Remember to stop by here on the way to L.A., EC NRCers who are driving, that includes you, ERC, if you're driving. 73 de ME.

PETER A. NOLAN - P.O. Bx 1524 - Eugene, OR 97440 503-485-8049  
 Greetings from yesterday once more. KKSX-910, Vancouver, WA, the successor to the ill-fated KISN, signed on Tuesday 4/1 w/an adult-personality-rock format. That's a deliberately vague description because I've only gotten second-hand word; their signal at 120 miles, is next to nothing at day and non-existent at night here. Per another DXer they also can't be heard at night on the North Oregon coast, and they certainly don't beam towards Seattle or Salt Lake City, so one wonders where their night signal DOES go - it doesn't sound like KISN's old pattern. That's the only new log of late, as I've been vacating a lot - to the Kansas and Kansas City area fir over a week, San Francisco, and other assorted areas w/interesting radio (not my sole motivation by any means). Some updates: KAKE-1240 is now KAKZ (Wichita). They changed calls just before I visited as a newspaper, the SFO Chronicle, bought them and the TV and had to split them. KEYN-1410 (ex-900) is being sold, changing calls to KQAM and going adult contemporary. KLEO-1480 is also going adult contemp. KFH-1330 went to c/w eight months ago (never saw it reported!) and promptly cleaned up in the latest book. Kansas City remains the same, except that KCMO-810 is going to a more information/personality format, and has picked up CBS network in addition to Ae, which it still carries. Only note in S.F. is that KIQR-1010 is still rocking, softly, rumor was they'd go SS after being sold but no luck. When is the next version of the NRC Domestic Log coming out? (This fall, probably. - DY) I've run into quite a few addresses in it that are no longer valid and will get your mail returned. Anyone w/a current address on the following I would appreciate hearing from: KIKI-830, KRDS-1190, WYGR-1530, KSPD-790, KLYX-1520, WRBX-1530, CFGO-1440, KISA-1540, KITA-1440. (Standard Rate and Data is current and available in many libraries. - DY) WNJR-1430 TEST was on, but not heard here (surprise!). KWHO-860 TEST: I was planning to tune into, but I wound up on the phone during the duration of the test instead. Oh, well, unn anyway. Silent Mount Lake Terrace, WA facility on 1510 (was KAAR, will be KKNW) is expected back on the air this summer, new owner has financial approval, with FCC and SBA backing, and is targeting for 8/1. He is a DXer, and promises weekly f/c's and frequent TESTS, for what it's worth. Enough stepping over the lines. Qi shi san.

WE ED IS STILL WORKING OUT WHERE THE PAGE IS SUPPOSED TO END AND HOW MUCH WE PUT ON ONE PAGE BEFORE WE RUN OUT OF ROOM! WE MISSED THE 6/30 SPECIAL ISSUE ON THE LAST PAGE. IT IS FOR ALL YOU WHO HAVE NEVER MUSED BEFORE; EITHER NEW MEMBERS OR SILENT MAJORITY MEMBERS. SINCE THE MASTHEAD DATE IS 7/14, BAS-TILLE DAY, WE'LL HAVE A SPECIAL SECTION FOR MEMBERS OF FRENCH EXTRACTION! RE-MEMBER THE DEADLINE DATE, IN PROVINCE/TWON, JUNE 30. OF COURSE, ANYONE CAN STILL MUSE FOR ANY ISSUE!

## MILESTONES AND STATISTICS

NIEL WOLFISH - 15 Donwoods Grove - Toronto, ON M4N 2X4 4/14  
 Hopefully 2 weeks is enough time to reach DAVE YOCIS. (It is, Niel, hi. - DY) You never know! One letter sent me by MARK STRICKERT was addressed to "Niel, M4N 2X4." It took 4 days to reach me! Yet all other mail from him takes a week. Mind you, M4N 2X4 is the code for 2 houses only, and I'm the only Niel. Anyways, so far April has been better than March including two milestones: verie #250 and station heard #700. DX: 4/4 and 4/5 unn CKCN-560 dominating freq at 1:15-2:35 a.m. 4/5--Cuban on 940. WKYG-1230 at 1:31 am for #700. 4/7--UNID on 1490; ID as Q-0 15/WCFO 95" into BFL mx. Ideas anybody? (Look for your answer as a page filler somewhere; I'll check Broadcasting Yearbook next trip to the library-DY) I assume it's FM-95 and AM-1490. 4/10--WNRG-940 at s/off and WHJB and unn WSUN dominating 620; WHJB before 12 am and WSUN after midnight. WKYG goes in the hall of fame w/stn #600(WONE-980), #500(CKOB-1400), #400(WPUT-1510), #300(WBVP-1230) and #200(WGHL-790). The only one in the group is KGHL (from 12/76) for my only MT stn. Verie #250 was CFCH-600, coming 11 months after verie #200 (WYSL-1400). To compare, I hrd #'s 501-600 in 5 months less 2 days. Not much else exciting happening around here, so good-bye, farewell, and good spring DXing!

## KPAR AND THE EARTHQUAKE OF 1964

TONY FITZSHERBERT - 116 Devon Rd. - Chalfont, PA 18914 4/17  
 Hi, all! Early AM DX between 5 AM and 6 AM is terrific because of the number of daytimers signing on early - from Maine to Virginia, and the veries are coming in accordingly. Now back to Fairbanks and how KPAR served the state after the earthquake. It was 5:37 PM, Good Friday, 3/27/1964. I was on MP security duty - KPAR, as usual, was blaring its T-40 from the corner radio in the guard post. Suddenly, the other MP and I simultaneously complained of motion sickness - there were no sounds around the missile site except for the snapping of the frozen ground. Tiny Todd, in KPAR's 3rd floor studio, observed we were having a "small" earthquake, and that some of his records had slid onto the floor, but to not be alarmed. He kept calmly talking (an amazing feat!), as the earth heaved under our feet. Fifteen minutes later the quake stopped, and KPAR went back to music - temporarily! The 6:00 news noted no damage in Fairbanks, except for a few cracks in the streets, and rattled dishes, but contact with the outside world had been lost! As the usual hour-long rx continued, unverified rumors surfaced that "Seward was in flames," Anchorage and Kodiak had been swept by tidal waves and Valdez had sunk into the sea! As the evening progressed, no contact was established w/these cities, so apprehension was high. As this story developed - in bits and pieces of information (no traffic copters and minicams to instantly bring the full situation into focus), music was dropped (except as fillers), and the picture of death and destruction grew grimmer, as the Anchorage stns were off the air and telephone lines were severed. Within 24 hours, after planes had flown over the ravaged Anchorage, and other cities, could the magnitude of this act of God be comprehended, as KPAR-TV flew back the initial films and aired them - simulcasted on radio, described by the stn's GM. KPAR went virtually all Nx for 4-5 days, and local residents used its clear signal to send messages to friends in the bush, and, hopefully, to the "Lower 48" that they were all right. Seldom has a small-town radio stn served its community so well in a time of need. KFRB, w/a far smaller staff and no TV affiliate continued w/regular pgmm and frequent rx. In the earthquake, 114 died and damage was in the billions of dollars. Next Muse, a Chalfont bandscan, followed by "Goodies in the Morning," or Fun before the Redeye Special to Philadelphia." Best regards!!

## GEORGE IS VERIFYING NOW!

GEORGE WALTON - 314 High Street - Easton, PA 18042 4/17  
 Hello members, time for another Muse. DX has been really good here w/many new stns logged. I have been bitten by the verification bug, though. Never thought that I would care to verify but after WROM sent me their verie I decided to try it again, this time w/WGTO. They also responded very quickly. Now veries are out to Voice of Cuba, WHBG, WLIX, and HCJB in Ecuador. (MW or SW? - DY) Some of the recent receptions are WNVR, Naugatuck, CT. CPLP-Rimouski, PQ, and at SSS on 3/15 two rare stns were hrd on 1000: WSUM-Parma, OH and WSPP-Hickory, NC. Also, recently I hrd a stn signing off and I need help to find out if it was one I already have or a new one. The anncr said "This is Family Radio, the Mortenson Bestg Co.," then a SID and off. Anyone have any ideas? I personally think it is Heath, OH but I can't be sure. (Also look for a page filler, George; I'll check it at the library. - DY) WSUR-570 was caught u/WMCA 3/15. On 3/16 WHEB was hrd here for the first time. They were signing off at Atlanta SS. Two new Gyers on 1490 were heard, WNUS and WCSS. 3/22-a good day as two new ones were hrd from Baltimore, WBMD and WCBM. Strange that I never hrd them before. Skate #37, Nebraska, was finally hrd w/reception of WOW-590 on MM 3/31. That same MM two foreign countries were hrd. HJAT in Columbia and YVRS in Ven-

(WALTON, contd.) ezuela. The morning of 4/4, WHBG-Harrisonburg, Va. was hrd on ET. (Not a r/c?--DY) No. 3 from Delaware came in on 4/12-WJWL, Georgetown. Another GY surprise was hrd and taped on 4/12, also, WSTV; Steubenville, OH. While listening for WCHE to s/off on 4/16, WTHE, Mineola, NY made it. That is about it w/new stns hrd up to now. Locally, WEST is now half MoR and half BBD. WEEX now calls itself "R. 1-2-3" and has bumper stickers available somewhere. As soon as I find them I'll try to get some extras, in case anyone out there collects them. WSAW in Allentown is now the "Information Center." Well, I hope to see you at YAD though I am not even sure that I can make it. Till next time, keep 'em flying.

ONE THIRD OF THE LANSING DXERS IS DEFECTING!

BILL WHITACRE - 2609 Devonshire - Lansing, MI 48910 517-482-7996 4/21  
 Guess we'll see how the mail service is between Lansing and East Lansing w/this Muse, eh? (Could have saved 15¢ and sent it campus mail, Bill, hi --DY) This is my 2nd muse of 1980 and I don't know if I can keep up this hectic pace, hi! News of late is that I'll be graduating in June w/a B.S. in Astrophysics and E.E. and have accepted a job w/Texas Instruments in Dallas, TX starting in August! Can hardly wait, but before I start I'll be enjoying my freedom long enough to get to a few conventions this season, including YAD and ANARC. In between conventions and June and August I'll be in either Australia, New Zealand, or Cooks Island!! This is my last fling before going into seclusion in the job market and having headed east across the Atlantic 3 times thought it was about time to head the other way around this time. Get back to the states (LA) just before ANARC and will use the short time to check up on some friends out there. Have written to some of the "DU" guys and am in the process of arranging things now. Am in Auckland for almost a week, Sydney, tho I'll be in Melbourne most of the time, for 3 weeks, and 1 week in Cook Is!! DX of late has been just about nil w/local noise plaguing the bands day and night. (Like it's been here since September, hi--DY) Like we say "April showers bring May flowers and leaky insulators causing noise on the bands!!" Did catch ELBC on the night of the coup there in Liberia 'til late 0100 s/off w/good copy at times and found that if you were a govt't employee u/the new "People's Redemption Council" govt't you'd make \$200/month and if you were military personnel you'd make \$250/month! Probably not that bad for their country. I'm probably out of room and over limit so will just say that we'll (that is, MARTIN FOLTZ, editor DAVE YOCIS and myself) see you at YAD!! 73's es gud DX! (Hey Bill, did you hear ELBC on MW or SW, hi.)

\*SAME #500 AS BILL BERGANDANO\*

PAUL MOUNT - c/o WLGW - Box 429 - Logan, OH 43138 2/1  
 (Rev'd. 4/23--DY) Hi, thought I'd sned a guest Musing to our guest editor; now that you know what it's like to type several contributions are you still interested, Dave, hi? (Beats typing English papers, Paul, hi, --DY) Continuing from left-off point: MM 1/28 set up timer to wake myself up but at 0200 I preferred sleep to DX. 1/28-29 at laundry, which despite fluorescent lights plus washers and dryers is amazingly free of annoying QRN. 2 new catches washed in: on 1290, WIRL Peoria which has a big null this way for WHIQ, that at 12:43a, and WGBF Evansville-1280 w/legal ID 0:00, both rock. WGBF also hrd at apt but 1290 just CJBK and Larry King. Tones on 1580, 1560, 1550 2:05a. Came back via WOW, KFI to 1550 at 2:34 C/W then "You've been listening to SWAO Senotobia MS on the air for testing purposes..." Called stn, said he was "trying out a new tube." Got some log info which I'll pass on to JOHN CALLARMAN adding that format given as MoR:Adult contemporary plus some Religious mx. Sounds a lot like WLGW's daytime format (Oops, make that "contemp. mx and country.--DY) Sounds a lot like WLGW's daytime format. 2/1-WLGN-1510 filaments left on all night so they wouldn't freeze per orders. This causes a buzz to WLAC in Logan (only, I hope.) 2/2-WWRL-1600 good 2:47 w/spot for Bob's Supermarket in Paterson. That may be more Paterson spots than WPAT runs, hi. WLOU-1580 nil-to-fair w/T40, QRM from talk and noise-burst QRN; that 2:51-3:16 new. KKA 1560 Aberdeen, SD poor 3:30 w/"KK Double A Country" slogans. WRC-980 w/"Nxtalk 98" slogan. o/u WONE 3:59. Tones only for WBFC-KY-1470 r/c 4:02-4:10 w/WMBD, WHO QRM. No sign of WKXO-1500 Ky. r/c. WMOU-1360 r/c good o/WSAI 4:47-4:55. A friend at school who used to work there told me how absurd he thought it was to go in early to put the f/c tape on, s/off, then s/on again. Odd fellow, worked in radio and had his first class but had to drop out of HTC's broadcasting curriculum. 2/6 Wed. (most to all of these loggings w/Bill W.'s Superadio) WFLI-1070 r/c good w/rr o/CHOK, 2:21a. KRNT-1350-Ia. in for new in WSLR null w/nx 2:30 fair. "The best modern country mx on WGEE" 1360 Wisc. 2:37 while looking for WMFC-1360 Ala. r/c. WGEE was hrd in N.J. and I was told in v/1 that I was first NJ report since new calls. WAMS-1380 Del. again hrd 2:52 w/T40, "station of the '80's" promo. Dave, I need WDEL; this is MY pick as best bet for Del. as WAMS hrd several time s here. (Not here, Paul, too much WQHK-Ind. for me--DY) CHOO/WGSC(called) on 1390 and to bed. (Rest of Paul's voluminous Msue next time.--DY)

TIM'S NEW SUPERADIO HAS HIM DXING AGAIN

TIM KERFOOT - 189 Cedarvale Ave. - Apt. 505 - Toronto, ON M4C 4K1 4/20  
 Not much new since last Muse, except the following on MM 3/31:  
 WGTO-540, 12:58am on ET; WLLH-1400, 1:15am, WPIC-790 TEST 2:37am, rough copy through local CHIC, was able to copy code portion only. New series: K YN-1210 for 10/78 report and WGTO-540. This season I hrd nine new ones, which wasn't really too bad considering I wasn't very active until I bought the Superadio in March. Many probable new catches were hrd also, but could not get ID's. Totals now stand at 867 hrd and 403 verified, excluding locals and call changes. Eountries 17/13, provinces 10/10, and states 42/42. I haven't hrd a new state since 1973, but have all states east of the Mississippi. Will take a break from MW (gasp-such heresy!--DY) this summer and try my hand at FM. 73.

ALMOST DAILY DXING IS PAYING OFF

LYNN GILLIS - P.O. Box 105 - Bloomfield, KY - 40008 502-252-5069  
 Hi to all. Before I get to what DX I have, I'll say a few words to a few people. ERC--sorry about the double-spacing. ERIC LOY--thanks for your consoling words(?). I have verified CJOB, but it's short and sweet: two lines stating the usual "This is to verify..." and no more. MARK STRICKERT, I have 2 KLTR and a spare WVJS sticker, will trade for some Fla. stickers if you want mine. I have a good deal of stickers but will trade only spares. With the knowledge that ERC disapproves of ham terminology in Musings, let me say that QRM and QRN make it hard to get QSL's at this QTH, hi. Honestly, I will refrain from using such terminology in the future. On to DX! Lots of it, but only unusual DX is included. 3/25--WPET-950 at SRS. 3/26--KWIX, WHCO-1240. 3/27--WMNC-1430, CMHG-660, WCOA-1370. 3/28--CHNR-1600, WKAN-1320. 3/29--WBBA-1580. 3/30--WFIN-1330, WIUO-1350, WRAM-1330, CHOK-1070. 4/2--WGAP-1400, WSHY-1560, WIBA-1310. 4/3--WIVK-850 at SSS o/WHAS hash. 4/4--WUCR-860, KFUO-850, KRNT-1350, KLNT-1390, KFH-1330. 4/5--KOAM-860. 4/6--WSKT-1580 and R. Cadena Habana-1140. 4/9--WAVI-1210, WVKO-1580. 4/10--WMBW-750(not WMBD--DY), WERH-970 w/WAVE on, WACR-1050, and stn #400, WMMN-920. Also CFRB-1010. 4/12, SRS netted WILA-1580, WSWV-1570. 4/14--WKAY-1490 w/Reds BB. 4/15--WPUV-1580. Little DX the past week, too much other going on, track, etc. where I do a 16' long jump for Bloomfield JHS. Others: GARY ATKINS loaned me an old SP-600. It works fairly well, not so sensitive long-wire, hi. I am presently working on a personal design for an amplified spiral loop that should rev up the old Hammarlund. Also, I can copy for those who want them--KGLC info sheet including CM, KNX CM, KNX Pgm sked, and KLTR-CM. One last--I included the notes to ERC in the Muse so you can read them for the first time in DX News, hi! Good luck Dave (thanks, Lynn--DY) and happy DX to all.

P.S. (on the back of the envelope--DY) I got a verie from CHLO in the mail after I sealed and stamped this. The v/s, John L. Moore, Prez/GM, said he would no longer verify reports w/o a 17¢ Canadian stamp or an IRC. He said to alert all club members so to give warning before other members sent reports w/o proper rp. Lynn.

LOTS OF NEW CANADIANS IN ROCHESTER

JERRY BOND - 143 Burwell Rd. - Rochester, NY - 14617 4/19  
 Hi everybody. DX continues to be fairly good around here so I thought I'd better get another report in and get caught up on reporting what I've been hearing. Since last Muse, here's what it looks like: 3/3--good SSS CX this day as the Midwest really opened up. Two newies were hrd in WMCL-1060 at 6:19pm w/a Salute to the American Farmer, and WPOK-1080 at 6:20pm. WOKY-920 was in unusually loud around 5:56pm as well for a surprise. The morning of 3/7 netted the r/c of WBTX-1470 which was new as they had nice ID's at 12:09 and 12:16am. SSS on 3/7 was really busy w/good signals noted from WACE-730 at 5:59pm s/off w/no SSB, WKNX-1210 at 6:10pm, WHEB-750 at 6:23pm, and WWAY-860 at 6:25pm. One newie was logged - WIZO-1380 in well from 6:45-6:48pm. SSS on 3/8 produced another new one - WEEB-560 in very strong at 6:50pm. Rarely hrd WAUK-1510 was in strong as well from 6:55-6:59pm s/off w/no SSB. I finally logged CBN-640 from about 11-12 on the night of 3/12 but it wasn't until their s/off at 12:06 on 3/14(??--DY) that I finally got an ID out of them. I was surprised at how little the Cuban and KFI interfered w/them. The morning of 3/16 netted another new Canadian - CHOV-1350 which was alone on their frequency at their 12:05am s/off. SSS that day was xlt and one newie was logged - WDLA-1270 Walton, NY which was noted w/state rx at 5:05pm. Rarely hrd WKOL-1570, WHYP-1530, WTSN-1270, and WSAW-1470 were also noted. MM 3/17 produced yet another new Canadian in CFLS-920 which made it through at 1:11am. On 3/18 there was no sign here of the WHOL-1600 TEST but I did hear the WOHN-1440 r/c. MM 3/24 was an xlt morning as 2 new were logged - WJDY-1470 w/an ID at 12:18am during their r/c and WHUM-1240 at 1:16am. WGTO-540 was noted at 12:55am w/ETw/rr and CHTN-1190 was in real well at 12:34am as WHAM+1180 went off about 12:30am for a while. March ended w/one new logging on 3/30 - WFLV-1370 which was in w/sx, then jx at 6:35am. In local radio nx, a WBBP-950 DJ is in hot water over a derogatory racial

(BOND, cont'd.) joke he made on the air one day. He was fined, suspended, and a local black group is going to the FCC to see if they can get them to take some action. In other news, WPXN-1280 is carrying the games of our local Baltimore Oriole AAA farm team, the Rochester Red Wings. They will also carry Pittsburgh Pirate games when the Red Wings aren't playing. They were also scheduled to carry Baltimore Oriole games whenever possible, but the New York Yankees have forced WPXN to drop plans for carrying them, saying the Orioles are infringing on their territorial rights. What a bunch of hog-wash - we're 375 miles from N.Y.C! (And that's why the Yanks had games on stns in Lafayette, LA; San Antonio, and Honolulu last season, right?--DY) No local stn will carry the Yankees or the Orioles this year. More next time.

#### IMPORTANT NRC LOG INFO!

JOHN CALLARMAN - c/o WMIX - Box 1238 - Mount Vernon, IL 62864

Least anyone be too concerned about the note in the 4/21 DX News about this year's log, I am in the process of preparing the masters for it. I have the 1978 masters and am making "white-out" type corrections on it, with good success. The need for someone to do a massive retype is for the "next" edition of the log, the 1982 issue. I have a little problem when I write, I think...I excessify my verbiage, and consequently open myself to misinterpretation! What's needed now is more information on for formats, newscast times, networks, schedules, and address changes of stations that have...well, of course, stations that have changed addresses for whatever reasons. I want everyone to do a band-scan in his home area and identify formats, newscast times, etc., based upon the format of the log. In comparison to the time it takes me to put the log together, it shouldn't take too much time for you, the member, to get that bit of information done. As news director at WMIX, I don't have much time to spare for the hobby, but the log is where I put most of it. I don't like to avoid writing thank-you notes to the people who support the log project, but my priorities for the spare time go into log and updaters. My wife's priorities for my spare time go into other areas, and she intently dislikes my log work. That's why I request that log information go to the WMIX address instead of my home address. One member recently sent some log information on an open postcard to my home address, and ... though it arrived on a Saturday when my wife is first at the mailbox, ... she apparently didn't read it, because I didn't hear about it. Please, everyone, help w/the 1980 edition of the NRC log ... I want it to be deadly accurate!!!

#### LOOKING FOR SOME FREQUENCY CHANGES

GEORGE C. GREFNE - 1527 Sunset Ave. - Akron, OH 44301

8004.22 and time for a Muse to the guest editor. No actual loggings made lately, but 2 possibilities are there for some further "digging," hi. First one is the big switch of WNYR to 990 a couple of weeks ago. Many nights this month w/WNOX (or, on some nights, CBW) c/w mx could be hrd, but a positive ID hasn't made it yet. The other frequency switch to be heard is WHTH's move from 1000 to 790. Never could get them on 1000 due to their directional pattern and semi-local WSUM-Parma. However, WPIC-790 now has a weak signal mixing w/them, which is likely WHTH because they (WPIC) never had anything w/them before. Wonder how much signal WHTH is putting this way--their Columbus signal is quite decent, tho. Seems that the weekend oldies thing is spreading to more stns, as WTAR-790 now has one on Saturday nights, WRVA-1140 on Sunday afternoons, and WNDE-1260 on Sunday nights (tho a large part of their mx seems to be oldies anyway.) Finally got a chance to meet local DXer DAVE ARBOGAST, who definitely has a better DX location than me--only 2 stns within 15 miles and both are daytimers, hi. Needless to say, I will definitely be at YAD-both 5/25 and 26--as it's only an hour away, hi. Some various radio changes: WDOX-1540 has gone from DIS to REL; WHAG-1410 is now partially simulcasting w/their FM, WQCM-96.7, keep this in mind, as the FM ID's are emphasized (what else is new, hi--DY); WGOE has switched from ROL to AOR; joining the ever-increasing group of AM T40-to-adult contemporary format changes is WGH-1310, while WNOR-1230 goes from T40 to Black mx; and, WVKR-1310 back to the WNIC calls, w/a partial simulcast of their adult rock FM, and lots of sports. Still looking for more members who want to trade stickers and other radio promotional items--write!! 73 de GCG.

FROM YE ED: WE ARE NOW WELL INTO THE TYPING OF THIS SECTION. I KNOW THERE ARE LIKELY MANY TYPOS AND OTHER THINGS LIKE THAT IN HERE: PLEASE BEAR WITH ME ON THAT. THIS MACHINE'S UNDERLINING KEY DEVELOPED SOME PROBLEMS RECENTLY; I DON'T KNOW HOW IT WILL LOOK. I REGRET ANY TYPOS, ESPECIALLY IF THEY CHANGED THE INTENT OF WHAT YOU WERE SAYING: THERE SHOULDN'T BE ANY OF THOSE. WE ALSO HAVE SEVERAL MUSINGS A BIT OVER 30 LINES: THAT'S OK AS THIS MACHINE FITS FEWER LETTERS PER LINE THAN ERC'S VENERABLE TYPER. REMEMBER, NOW, ALL MUSINGS TO PROVINCETOWN AND ERC: REMEMBER TO DOUBLE-SPACE AND 30 LINE LIMIT.

#### ANYBODY REMEMBER THIS GUY?

ERNEST R. COOPER - 5 Anthony St. - Provincetown, MA 02657 617-487-9337  
Only one verie in in the last fortnight: WFNH-1300 4/22  
v/1 w/CM, on my third try. As the late great Mayor of New York used to say, "Patience and Fortitude!" In my last Musing, the MM 3/24 I listed among the offs as "WMBE;" should have read "WNEW." That "other editor" is a terrible typist, hi. (Not as bad as this one--DY) And the last date mentioned as 3/1 should have been 4/1 - April Fool. On to DX: 4/2--WKBW-1520 was off RS, noted at 2:00 w/OC/TT. Somebody looping ESE/NSW on 990 w/TT at 2:33, unid. 4/4--I was surprised NOT to find WCAS-740 on for that poison gas spill in their town, but they weren't. Unn WYOU-1550 on ET w/mx at 1:20. Another ESE/WNW looping on a 1390 TTer today at 1:37-1:42. ANER WFEA-1370 was off again this morning. Easter Sunday AM--12:57-1:06am, TTer on 1370 w/possible CID at 1:08 - I hrd the letter "D" in CW then. Fighting WWVA-1170 hard and winning w/WWVA looped was newie 4VRS, Port-au-Prince, Haiti, w/an early morning Easter Mass in FF noted first at 1:56 am, and report sent. WPOP-1410 now takes the hour from 2:06-3am Sundays for their silent time, usually w/OC, and CFMB, Montreal was on top today, they're bilingual w/FF and EE. MM 4/7--12:33 TT on 1240, unid. Unn WFNH-1500 was on all AM IDing as WDEN-1500 w/RS! When they goof, they REALLY goof! Seldom-hrd WDCR-1340 was on at 1:19 asking for requests. KATZ-1600 again o/WIXY at 2:35 and an unID TTer on 570 at 2:37. One more TTer, this-'un on 790 at 2:53am. 4/8--Newie WFUN-970 noted on PoP in WCSH's null 1:34-2:02 ID; again, patience paid off. 4/9--TTer ended at 1:11 on 1470. Today 'twas WWDJ in WCSH's null at 1:45 w/religious news: Unn WMEL o/WJAR at 2:21. 4/10--Very noisy. High-pitched TT on 1440 12:54-1:04, but gone at 1:10 recheck. WHN was off today, XEG solid at 2:20. 4/11--On 1070, a TTer 1:24-1:40, and a het on CKLM's low side, looping E/W - somebody off frequency? I couldn't pull any audio. Freq about 1568.5. 4/12--Semi WLOB-1310 had Philadelphia-Edmonton hockey on at 1:13, for some odd reason, and dear old WYPA-1580 Eting again w/pop mx at 1:27 SID. Tnx to GARY LOVEGREN, TONY LAGATTUTA, and DAN BARTEK for their recent phone calls, and to DAVE YOCIS for doing this issue for me. (Thanks, Ernie.--DY)

#### SUMMARIZES SEASON'S BEST CATCHES

RICHARD TROYER - 13130 Wooster St. NW - Massillon, OH 44646 4/10

Hello evryone. Thought I'd better get in a Msue while I have a little free time. I'm glad to say that this has been the best TX fall and winter season I've ever experienced. I'm sure the 3000' Beverage antenna ART BERG and I put up had a lot to do w/it. These are the best ones listed here: 600-KSJB. 710-WHB. 730-WJMT. 860-KTRB 2ce. 900-KTIS. 950-KWAT. 960-KLTF, CFAC. 980-CKRM. 990-KAYL. 1010-CBR. 1060-CFCN. 1100-KFAX. 1130-CWKX. 1140-CKXL, KS00. 1190-KRDS. 1220-CJOC. 1240-WJON. 1250-KBRF. 1360-KSCU. 1380-KLIZ. 1400-KEEY, WDUZ. 1410-CPUN. 1450-WDLB. 1460-KDWA. 1490-WLCX, WYTL. 1570-KUXL. 1580-KAMI. 1590-KRAD, K7OK. KRAD was in almost every night after midnight, even though WAKR is only 25 miles northwest of here. I sure wish I could run one of those into my house instead of a cold, unheated garage, over 5 miles away so I could listen all the time. Oh, well! I guess it's time to take it down now until next year when we were already planning on erecting a new one straight west along an almost abandoned RR track. We have room to go 12,000 feet if we want to (!!--DY), all in a perfectly straight line. Well, best of DX to all during the good long summer months ahead.

#### LET'S ALL WELCOME A NEW MEMBER FROM HAWAII!!

ALBERT EDWARDS - P.O.Box 586 - Kalaheo, HI 96741 4/10

As a new NRC member, I thought that I'd give a recap of my experiences out here in Hawaii (island of Kauai). I don't know how many active BCB DXers there are here in the Islands. Does the membership department ever publish a list of members and their locations? (Yes, the first issue in October. It lists only one, ARTHUR AMCRIN, 1975-A Kalawi Dr., Wailuku 96793.--DY) I've been a BCB DXer since the late '50's, where, because of little interference and no 24-hour stations (then), I ran up a verified list of about 50 countries and 30 states. A year in Guam was also rather productive--no interference. Hamming took me away from the BC and SW bands until recently when I returned to Hawaii. As a retired person, my hours are pretty much my own, so back to the BCB, with some excursions into the SW freqs. Reception cx here are xlnr, w/one exceptional power-line noise from a substation feeding a 2300-volt 300 HP irrigation pump motor about 2 miles away. The power company is cooperative and the problem will be cleared eventually, I hope. My equipment consists of a 1950 vintage RCA CR88 communications rx (still one of the best tube rxes ever built) w/LW and 4-foot tunable loop. I have an excellent pre-set counter connected to the rx oscillator circuit which reads out the actual carrier frequency (455kHz offset)(See Pop Electronics 2/77) AF filters are used as needed. I'm plagued by splat

(EDWARDS, con't.) ter from the Hawaiian BCB stns, especially when they run pop mx. Most of them overmodulate, running at the 125% level. Of course, DXing would be more enjoyable if there were fewer 24-hr stns on (from this end, of course). It would be useful for the new DX News users if a list of abbreviations used were periodically published. (All is in your New Member's Packet which should arrive soon!--DY) A question--why is it that the worst fades always occur at times of stn annnc'ts? (It's a universally recognized fact, called Murphy's Law, hi--DY). Good DX. (Albert's band-scan from Hawaii will be saved for the next issue--DY)(Pse double-space??)

#### SUPERADIO OR TRF?

BOB BENNSION - 2 McDonald Drive - Cohoes, NY - 12047 518-235-6163  
Although I don't have much DX news to report, I thought I might muse a bit anyway. I have been following the comments about the GE Superadio vs. the "old" TRF and would like to add my two-cents worth. I bought a new Siperadio in early March and then I received my TRF from CHUCK HUTTON about two weeks later. I made a mistake and didn't have Chuck add the filters and align the RF and IF. I have since talked to Chuck and hope to ship the TRF back to him for "the works" (if I can part with it long enough!) Anyway, I had the chance to compare both radios --stock, out of the carton. The TRF is far more sensitive than the GE. From my home near Albany, NY I can pick up WPRO-630 Providence, RI in the daytime on the TRF but get only static on the GE. However, the GE can null the strong locals better than the stock TRF. I don't think it is more selective but rather has to do with the 7/8 inch built-in AM antenna. All in all, I would rate the TRF a superior DX radio right out of the box. With the "deluxe" treatment, there should be no comparison. The GE, with its 6 1/2 inch speaker and separate base and treble controls has a better audio quality. With its FM section, it is far more versatile and a better listening rig. Aside from my consumer report, I have received veries from KFI-640, KOA-850, WJWL-900 TEST (a tough one thru CHML), WIOD-610, and WGTO-540 on 3/24 at 12:20 testing w/50 kW. My status now total 31 plus D.C. (in 2 1/2 months, hi!). Thanks to NEIL KAZAROSS for his hints on the remain ing states that are hard to catch in the east. 73 and good DX to all!

#### HAS A TAPE OF THE WPIC TEST

DAVE ARBOGAST - 3581 Porter Rd. - Rootstown, OH 44272 216-325-2807  
Say "hey" y'all! How's DX being to you? ATTENTION anyone that missed the WPIC TEST---I have a tape of the full 1/2 hour test. If you want a dub, I'll be happy to provide. Also, be sure to write nice thank-you notes to the stns, because they really are doing us a favor. Now, to the telephone callers and visitors this week, only one in each category: GEORGE GREENE called Mon night and none ather than GEORGE GREENE came to visit on Tuesday! We looked at the photo albums and saw the faces behind the names and the beer cans in front of the faces, hi! MARK STRICK-ERT: I know now how you got the Akron postmark on that letter. Be watching and let that be a warning to you, hi!! To DX (yes, I actually DX now and then): 3/30--11:30am ELT, WBNS-1460 fair/poor w/mucho static, Anthony Thomas Candy spot. 3/31--7:29pm, WAI-1360 in fair/good, deep fades, mixing w/2 unids, wx, mx, program called "Star Tracking" w/Lee Jones, they were throwing that Zodiac stuff around. Attention air-checkers--I dabble a little when I get the urge--let me know what you like and I will come up w/something. Be sure to ask the stns to TEST and send the info to Louisville as soon as you get it, as we are on the every two week sked. Good DX to you and 73's de DGA.

#### ANOTHER OF CHUCK HUTTON'S SATISFIED CUSTOMERS

STEPHEN J. MCINTYRE - 2225 Searle St. - Des Moines, IA 50317 4/21  
Hi all. Tnx to my parent's return from Florida, I've managed some DX. The first 3 catches were all due to my CHUCK HUTTON-modified TRF, which has finally given me decent adjacent channel performance on my locals (the DXing next to KSO and KRNT, at 3 and 4 miles, respectively, is still nearly impossible). 4/4--KBUF-1050 Kan., hrd once at my sister's house 7 miles further from WHO, was finally hrd here easily at 8:11pm. 4/8--WLBL-930 Wis. 7:44 s/off. It should be easy but isn't tnx to KIOA and omnipresent WKY; in fact, it was only #4 on 930. 4/10--KTHS-1480 Ark. s/off 7:43 w/no KSO splatter to speak of. 4/16--WCZY-1500 Detroit o/u KSTP at end of hockey on latter at 11 pm. I haven't hrd this one since 1965 when they were WJBK and KSTP s/off every AM. HERB MOUNTAIN, your 1040 UNID in the DDXD of 4/21 is almost certainly WHO as they were carrying BKB at that time. Unlike what seems to be happening in other markets, AM is still king in DM. KSO and WHO are almost always fighting it out for #1 w/KRNT and KLYF (WHO's Muzak FM) the only other contenders. This is due, I believe, to the colorful personalities on Des Moines AM

(McINTYRE, cont'd) stations as compared w/the automated stns and "laid back" jocks on FM. We must be in another ratings period as the contests are coming fast and furious. Most difficult was KIOA's Music Collage, which consisted of 1-2 second clips from 94 songs of the past 25 yrs or so and you have to give title and artist. FRANK MERRILL would be a shoo-in on this one, hi! On the local BB scene, KCBC-1390 is carrying St. Louis Cards, KRNT-1350 KC Royals, KWKY-1150 Iowa Oaks and WHO-1040 Minnesota Twins (probably only night/weekend games as in the past). 73.

#### FROM THE OTHER SIDE OF THE POND

ARNIM LITTEK - Rosenhagen Str 56; 2000 Hamburg 52 - West Germany 4/8  
Just a short note this time. Things are, sadly, coming to an end here for this semester. I'm not really looking forward to leaving Germany, and all the stuff I get here but not at home. I promise myself one more session w/those humongous Rohde and Schwarz EK 6-3 RXes at NDR Wittsmoor, just one for the road. Now I can make at least a superficial comparison of those beasts w/a Collins R390A-URR, since this weekend past (Easter) I actually laid my fingers on one (Collins, I mean). For that thanks must go to NRCER JUERGEN TROCHIMCZYK, formerly (by the time this gets published) of Konstanz, at the very south end of Germany. It was a great two days. If Juergen is anywhere at all near typical, then wine is to the German DXer what beer is to the NA DXer...essential. (Not essential, but how else am I going to hear KORL?? --DY) Let me tell you, Juergen knows his stuff (hic!). Another wild and crazy plan. If anyone from Southern Ontario plans on making YAD this Memorial Day, let me know through Musings or drop a note at Box 779 Port Elgin, ON (before Memorial Day, hi!) I'm curious to know what a YAD looks like, if it's got brown hair or blue, and how big its ears are. (Red and five-foot-eight, in that order.--DY) Another idea, again, not original. WorldWide DX Club is collecting an International DXers List, which is a list of DXers, where another DXer can stay for a few nights free of charge. I think that is a great idea. After all, how many of us in the club are poor students, or other low-budget type travellers. Not to mention the fact that I like to takl to other DXers. As soon as I get myself established in Waterloo for the summer semester, my address will be submitted to the list. Others interestd, say so in a Muse, or write to Gangoff Reitz, Prediger Str 17, 5000 TRIER, W. Germany. One last note: Picked up a new RX here, the Kenwood QR666. I don't know how I'm going to get it home, but that problem is 3 weeks away. The machine certainly seems to have possibilities. I'm sure you'll hear more on that later. One more Muse before I've got to take off. 73.

#### ADDS MONTANA AND OREGON

MICHAEL JEZIORSKI, 3908 Circle Dr. - Brookfield, IL 60513 4/9  
It may be a little late, but here's a recap of March DX: KMA-960 hrd vg 7:14pm w/IA nx, ID on 3/1. 3/3--Heckuva MM. Very good high-latitude CX. KFBK-1530 in at 2:54 w/CBS NX, local ID. A much wanted CA. Moving down the sial, KTLK-1280 at 3:19 w/T40 Mx and clear ID between songs. Then the only reason I got up: KMTX-950 f/c w/only 3 ID's clear at 3:43, enough for report and state 39. That total didn't last long, KEX-1190 at 3:48 for state 40. CKGM-980 in at 4:20 w/EE pop mx and KDWB-630 to top off the morning. 3/4--6:39am CFQC-600 a surprise SRS catch. 3/8--10:39pm CKDM-730 finally pulled in w/plenty of WGN splatter. 3/9--After 3 nights of hearing SSB's, finally got an ID at 6:43pm from WPR-960 s.off. 3/11--WCIT-940 6:34am good for 250w. 6:47am WUPY-970 in w/amateurish Nx cast. 3/15--CFYN-1050 7:38pm. CBA-1070 9:00pm w/end of "Audio Stage," CBC pips, and ID "CBA, CBC Radio,..." Province 6, tnx EARL HIGGINS for tip. 3/16--WMSL-1400 at 2:18am enough for report. WABB-1480 also in, good AL night. KBHB-810 at 7:59pm w/s/off, stn 600. 3/17--WFUN-970 Eping 1:59, listed as WREO in NRC Log, and I try to keep up to date. Can someone verify this switch? (Yup, is definitely WFUN for over a year now.--DY) CHOO-1390 2:36am w/great null on WVON. Five miles away, in Chicago, I was lucky to pull something in on 1380. Only two neede within 75 miles of home: WKZN-1500 and WRHL-1060. 3/20--8:00am WKKQ-1060 w/Q ID's. 3/21--7:30pm KWQA-730 w/s/off. 3/22--7:15pm KWRE-730 w/s/off. 3/24--KHYM-TEST L&C. Verie rcvd today, w/card and sticker. 7:42am WLBL-930 w/WHLA-FM ID. 8:00 WTCH-960 a good morning for WI. 3/25--12:03 WPOM-1600 s/off from ET. 7:34pm WKMP-1470 u/WMBD; a difficult city (Flint, MI) and a difficult frequency. Enough for now, 73's and good DX.

#### WARREN'S OUT OF SCHOOL

WARREN E. GREENBERG - 145 Cottage Rd. - West Roxbury, MA 02132 4/9  
Not too much DXing going on here for the last month or so, latest catches are CJAD, WDJZ, WFIF. The only one that I rcvd a verie from was CJAD. I am now out of school and working as an electronic tech in a local firm which means no time for DX in the early morning except on

(GREENBERG, cont'd) weekends. Two projects in the works for this summer; first, to add ceramic filters to my TRF and the other is to get my RBB-1 RX up and running by next season. That's all for now. 73's.

THOUGHTS ON CLEAR CHANNELS

BILL BERGANDANO - 39 Marble St. - Staten Island, NY 10314 4/9  
Hi all. Well, since I've not Mused since November, I figured I'd let you know I'm still alive. DX is still alive in SUPER SLOP CITY. In fact, there have been 4 TA's this season, an event in itself! But my main MW outlook is to hear the domestics, and boy have I ever. 3/10--1:10am, long sought WVOJ-1320, w/WVOJ NX spots, time-tunnel time from CFCY 1:33-1:37 (I visited Sault Ste Marie in 1968) w/a spot for a skating rink; at 1:35 if they're still 5kW, best distance/power XEMO 1:44 (Still 5kW as far as I know--DY); on 1530 found WTTT 2:18-2:24 w/ET, rptd; WABJ at 2:58 w/PSA for Census, v/1 in 15 days. Not much DX was done late March-early April: my room had to be painted, and also my furniture - and a non-DXing type (spelled Mom)-decreed the color stunk. Oh, the walls are great, but until the right paint could be found, my shack was apart. To make up for lost time, my 1st MM back at the desk brought: WDEN-1500 12:06-12:17am w/ET, pumping their FM, but w/ads. Hey ERC: am I wrong or is that illegal? (You're wrong, I'm not ERC, hi, but that IS a no-no to do spots on ET's.--DY) Report out. WCNC-1240 w/ET 12:21-12:23 (Not r/c?--DY), reported, and WDUR-1490 12:27-12:30 w/CWM, wx. All 3 hrd on 4/7. UNID's--who tests every MM on 1360 w/CWM and of course no ID, and hrd 4/7 on 1260, a guy //to FMer "KIX 101 1/2." At 3am when this guy started his full ID, up came WNDR. (We'll check this one; look at the bottom of one of these hallowed pages for an answer.--DY) Anyway, everyone and their grandmother's mentioned it, Clear Channel's Demise. First off, anyone in the metro NYC area will not even notice a difference. We already have 8 clears (only three 1-A, though--DY), and two limited time guys (WNYC/WLIB). Somehow I can't see a market for 50kW stns in downtown Green Bay. No matter what the "Federal Confusion Commission" does, to as they say, "save AM," it's down the tubes. More stns? Fine, but open the BCB up to 1850 kHz. Or domestic SW. The last one doesn't seem viable though, as the FCC says the controversial pgms from WINB-PA put a 10 year freeze on SW expansion. Then again, if they want controversial, tune to an AM tlkr. Most of them bore the heck out of the 18-40 year olds. (Look at WOR). I wrap up my belching by saying that if you've never tuned CB in your life, try it. Foul language, carrier chucking, mx, unlicensed operators. MW will sound like this especially if deregulation goes thru. And if 9 kHz goes thru, when stns slide to allow new channels, the one thing the Feds don't want: pirates, will be out in force, because if I can go to lower Manhattan and get a rig now, think how it'll be then. Anyway I've rambled enough, so 73.

ON SASKATOON RADIO

MORRIS SORENSON - P.O.Box 764 - Leaf Rapids, MB R0B 1W0 - 4/20  
In late March/early April I visited the city of Saskatoon and made some radio observations. The big surprise on the trip out is the rather potent signal of little CJAR-1240 The Pas, MB which was in well on the car radio for about 100 miles into Sask. In Saskatoon I noted that CKWW-1370 has changed format to c/w. CKKR-1330 in nearby Rosetown which maintains studios in Saskatoon, was previously the main source of c/w in that area although several other states including CKSW-570, CKBI-900 and CJVR-1420 were also noted w/good signal in Saskatoon and w/c/w formats at least part of the time. On the trip back I noted CKX's new 50kW XR site near Birthe, MB which is a considerable distance from their city of license, Brandon. Of course good ground conductivity in that area is xlnt. Back at the Home front: DX has been nil but I did receive QSL's from WDSM-710 and CFJC-550. The latter is now 25kW per v/1. It was good to see recent Musings from fellow Manitobians PETE McCLURE of Neepawa and DARRYL BELANGER of Swan River. A few years ago we had several regular reporters but that has not been the case lately. 73.

ANOTHER DISGRUNTLED DORM DXER CHECKS IN

MARK STRICKERT - c/o Golden West - Box 1524 - Eugene, OR 97440 4/23  
Send all mail to that address until 8/1/80. I see FCC picked the Magnavox stereo system--from what I hrd, the decision was not unanimous, just that some "Commissioners" wanted to get AM stereo going no matter what. Between this and the mere THOUGHT of 9 kHz spacing, I would tend to agree w/STEVE KENNEDY's opinion that the current 7 on the FCC Board are totally lacking in technical matters, just want to see more stns on the air. Otherwise, nothing much newsworthy on the radio side of things, except that I will have gotten a few hrs of radio bcstg experience by the time I leave U of Miami for the summer, as many of the regular DJ's at campus-stn WVUM-90.5 (Stereo-10 Hot Watts, hi) will have abandoned their shifts during spring break. After seeing (actually, hearing...) what kind of job I do on the 4-7am shift, I may or may not be on

(STRICKERT, con't.) the regular sked this fall. Also, the long-awaited debut of "Public Access 88," WDNA-88.9, appears more-or-less certain. If things go as planned, I will have a south Florida-oriented DX program on the stn. As things look now, this would start on Convention weekend or just after, and be weekly, so you FMDXers might want to tune in (hi). The stn has OK for maximum ERP of 95 kW at 710 ft. above ground, but will start w/less. Asny suggestions, especially from those who even THINK they might be within earshot are very welcome. Oh, DOUG MISKE, your canned fish is on the way! 73.

HAS HEARD KOB-770 TWICE

ARTHUR BERG - Box 435 - Dalton, OH 44618  
Upon reading the latest Musings I ran upon ALPHONSE B. TOBIA of Newark, CA who wants to know how far KOB has reached in the East, and I'm more than happy to realte how I hrd KOB. I have lived in two states--Indiana and Ohio--and this will be of great interest. In Indianapolis, where I DXed approx 1 1/2 yrs--over 500 stns--I hrd KOB once o/WABC. I never really tried too hard after that but do know that WABC and 1 or 2 foreigners dominate on 770. And if you think it was nearly impossible to hear KOB in Indiana, think of the task of hearing KOB in Ohio, where I now live, about 325 miles NE of Indianapolis. The only time I ever hrd a trace of him was on the SP-600 Hammarlund Christmas night 1977, a cold, nearly clear night. For some reason WABC was off and w/a homemade loop we tried for any knid of signal. And weakly, so weakly that we hrd it was EE talking but co:ldn't make out exactly what they were saying, came "This is NBC Radio." He then faded and WABC came blaring back on and I have not hrd from KOB since. Every time I DX on MM when WABC is off--if he is off--I try again for him but only hear foreign jabber. In my years of DXing KOB has probably been one of the hardest stns I ever got. (You did better than me, KOB never hrd anywhere by me and not through lack of effort!--DY) Well, I'll s/off now. Good luck and happy DX to all. 73 and out.

MOTHBALL MEMORIES

CHAPTER CXLI - TwentyYears Ago.....Russ Edmunds  
The start of a new decade brings one to reminiscing, and I am no exception, as it was approximately 20 yrs ago when I first accidentally discovered the hobby, through twiddling the dials while not yet ready to go to sleep in Junior-High. A year or two later, I met someone (whom I could never convince to join a club) who shared my new-fond hobby and I was hooked. January of 1965 brought one of my biggest thrills as a DXer, then as a college freshman in Syracuse, NY, and that was logging KFQD, then on 730, in Anchorage, Alaska. CX sure have changed since then. January of 1970 saw me at the first half of my first season of international DX, having finally secured a loop and a good rx, the same 4' FET altaz which is still in use today, along w/a HQ-150. I managed to log over 100 TA's that season w/the aid of former member and NJPCer Page Taylor, plus xlnt CX. January of 1975 was the milestone of 15 months as NRC Publisher and EIC, which, while it marked the beginning of reduced DX activity, was nonetheless most enjoyable. It also marked the beginning of study for my amateur license. In between were such highlights as being one of the first to bag Urumchi-1525, hearing KORL-650 Hawaii, Tarawa-844, and a few other notables. In 1980, I find myself wondering where many of the fellows that used to be so active over the years have gone. Some have left our ranks, some have left and returned, and others remained, albeit inactively, as have I. Maybe in another year or two, CX will improve to something nearly as good as they were in the early 70's (11-year-cycles, you know) and more of us will come out of hibernation again! RJE.

ENDING THE UNIDS; FINALLY GOT A CHANCE TO RUN UP AND CHECK A 1978 BYB, TO WIT:

NIEL WOLFISH: ONLY TWO PAIRS OF AM/FM STNS ON 1490/94.7-95.3: WABJ-AM-FM ADRIAN, MI; AND WKAY-GLASGLOW, KY. (FM IS WGGC)

BILL BERGANDANO: HOW 'BOUT WBUD-1260/WBJH-101.5 TRENTON, NJ?

GEORGE WALTON: NOTHING ON 1000 WITH THAT OWNERSHIP FOUND. MAYBE A RECENT SWITCH. CAN JOHN BOWKER CONFIRM??

REMEMBER TO SEND YOUR LATEST DX TO DAVE SCHMIDT AND CHUCK HUTTON, AS WELL AS IN A MUSING. SUPPORT THE LIVING NRC!!

AND, WHILE WE'RE AT IT HERE, DON'T FORGET LOS ANGELES 1980 THIS LABOR DAY WEEKEND! JOHN CLEMENTS IS AWAITING YOUR RESERVATIONS!

## BRAD'S NOW WORKING AT WGSB-1350

BRAD LOVETT - 421 E. College St. - Coldwater, OH 45828

I've just accepted a position as morning man at WGSB-1350, Celina, OH. In addition to on-the-air duties I have the responsibilities of chief operator, sort of a First Class license holder who doesn't know much about engineering, but takes care of base current readings and checking XR logs. If any of you happen to hear us, I'd appreciate a report and if addressed to me, I promise a verie. So far I don't think anyone has ever DXed us! We must be hard to hear, w/500 watts daytime and a 145 watt PSA. We have a north/northeasterly pattern, w/deep nulls west and south. I'd appreciate it if some of you guys would give it a shot on SRS or SSS. I promised a bandscan report from my time in Sarasota, on Florida's West Coast, so here's how it stacked up during the day in March: Cuba on 550, 580, 600, 610, 630, 640, 690, 720, 760, 820, 840, 880, 980, 1020, 1030, 1040, 1050, and 1360, w/non-Cubans as follows: 540-WGTO. 570-WPLP. 620-WSUN. 680-WWBA. 710-WGBS. 790-WLBE. 800-WSST. 860-WAZE. 870-WWL. 900-WMOP. 910-WFLA. 930 (w/slop to 960) WKXY. 970-WFLA. 1010-WINQ. 1060-WHBO. 1080-WPTV o/unid. 1110-WTIS. 1130-WPUL. 1140-WQBA o/u jammer. 1150-WTMP. 1220-WQSA. 1250-WDAE. 1280-WYND. 1300-WSOL. 1320-WAMR. 1340-WTAN. 1380-WLCY. 1420-WBRD. 1430-WWWQ. 1450-WSPB. 1470-WWQT. 1490-WTRL. 1530-WENG. 1550-WYOU. 1580-WCCF. 1600-WKWF. Some more comments on the daytimer situation. I can't say that I agree that a daytimer can still "make it." There's no way I'd won even a small market daytimer unless it had a "matching" FM. I don't think that if I had a fulltime facility I'd sign off at midnight, let alone 10pm. It kind of makes me mad from a broadcasters point of view and not a DX (I think all my locals should be shot) type attitude is stns sitting on a fulltime frequency and hardly using it while many daytimers would like to be on 24 hours a day. I've seen 24-hour-a-day operations make it in small markets, the owners just have to try and not assume that the world ends at 6 or 10pm. Another reason for not having a daytimer w/no FM is the fact that many small market stns make it or break it on extensive high school sports coverage, and on a daytimer, that income is gone. Well, enough for now, catch you all later.

## IS IT OVER YET??

DAVE YOCIS - 502 McDonel - MSU - East Lansing, MI 48825 4/28  
Please note new ZIP code above: it went into effect last Friday. Hope no one's Musing was delayed because of it. It's been fun doing this issue, and we learned a few things about putting together a column like this in the process. Incidentally, I've always wondered how you could use the word "column" for something that goes on for 14 pages? DX: 3/30-WENT-1340 N.Y. on top 1:18am. CPPL-980 w/sx o/WONE 1:32. MM 3/31--WMOO-1550 Ala. on RS (hi) 1:21am w/GOS mx. CKLM-1570 is on this morn. No sign of KWHO-TEST. WTAR-790 Va. w/SID 2:06am. WZZD-990 w/ID o/u/WNOX 2:11am. WPIC-TEST tent w/TT2:30. 4/18--WPOP-1410 Conn. u/WING w/stn promos, IDs 9:29pm. CKSL-1410 on top 9:43. WGEE-1360 is now NBC. WHIS-1440 W.V. teletalk about Iran o/u/WBCM 9:51pm. KOA-850 w/Denver Bears AAA Baseball. WMMN-920 atop w/"M-92"ID's 10pm. WBEN-930 N.Y. atop WBCK 11:10pm. WITY-980 Ill. w/WONE, ID 11:14pm. WONW-1280 Ohio fair o/u/CJJD 11:25pm. SM 4/27--WNDR-1260 Syracuse, NY good w/ID o/WNDE 12:30am. MM 4/28--WBAA-920 Ind. w/PBS-type "This pgm has been sponsored by..." KONO-860 w/rr 12:55am. Unid TT o/u/KONO, that I hrd mention of Baltimore, tentative sent to WAYE. WHBU-1240 Ind. good w/nx 1:05am. KSO-1460 and WOWO-1190 were ANing, if WOWO is permanent, I will be VERY angry! I will more than likely be in Youngstown and I hope to see many of you there. Thanks to ERNIE COOPER for his advice, to PAT HARTLAGE for his instructions, and to the many people who sent their kind words either with or in their Musings. I've rattled on enough throughout these pages, so I'll close for now. Good DX.

## BOARD OF DIRECTORS

PUBLIC NOTICE.....that look's almost official.....is hereby given that we'll have a meeting of the NRC Board of Directors at YAD. If a quorum is present we'll meet at 9 pm, on Saturday, May 24. Subjects to be discussed: Possible publications price changes, coping with possible 20¢ postage, life after the death of LPC, improving operations, NRC's 50th anniversary.

I'm too cheap to send Jerry Starr a card to tell him I'll be attending YAD, but since he reads the whole bulletin at once, I'll slip the info in here. My wife and 2 youngins (7 & 5) will be with me.

Pat Hartlage, NRC Secretary

|                     |                            |                     |  |    |
|---------------------|----------------------------|---------------------|--|----|
| A - Carl Dabelstein | F - Bill Regan             | L - n.m. Bill Stone |  |    |
| B - Steve Ponder    | G - Harold A. Whittier     | M - Karl Forth      |  |    |
| C - Steve Francis   | H - Gary Houder            | N - Peter McLure    |  |    |
| D - Steve Paradise  | I - Jeff Falconer          | O - Eric Loy        |  |    |
| E - Stan Morse      | J - Kemit Geary            | P - Ernie Cooper    |  |    |
|                     | K - Ray Arruda             |                     |  |    |
| 540 WGTO q          | William D. Elliott, CE     | B 1250 WCKM 1       | R. W. Gates, M                             | B  |
| 575 TIRN unl        | Sra. Haydee de Lev, D      | B WEXX r            | Jesse C. Renoist                           | B  |
| 580 TKAP l          | Frank Grgovich, PM         | M CHSM q            | Ed Fast, CE                                | N  |
| 600 WMT l           | Rocert H. Burns, CE        | O 1260 WNOK l       | Richard Wetmore, CE                        | K  |
| 620 WSUN q          | Dr. Frank L. Berry, CE     | B KNSH p            | Dennis Burton, CE                          | B  |
| 640 WHLO ufm        | John E. Marocchi, CE       | B 1250 WCHD l       | Mike Edwards, M                            | I  |
| 670 WMAQ fm         | William D. Ryan, M, Techno | B 1280 WGBF frca    | Mark Kilburn, CE                           | F  |
| 710 WRDM lm         | John Steaanan, CE          | I 1290 CJBK q       | Jeffrey Guy, VPoE                          | B  |
| WEPA p              | G. Sisk                    | L WIRK lh           | Henry Felton, CE, WA4HXZ                   | K  |
| XSUD m              | Richard Duncan, CE         | J WCHK l            | Rugh Pearson, CE                           | M  |
| CHYR7 l             | David Wood, AE             | O 1310 WNIC p       | (Jerrold L. Martin, CE                     | J  |
| WARB                | R. Webb, M                 | A                   | ( ditto                                    | J  |
| 740 HJNS l          | Miladya Perez Cordoba      | J 1320 KWHN r       | P. McCaslin, CE                            | I  |
| 760 WCPS c          | Judy Harper, Trfc Clerk    | B KVMC              | D. Chaastain, SM                           | A  |
| 770 KOB q           | u/u                        | F 1330 WFIN l       | Dennis Ruid, CE                            | I  |
| 790 KURM            | S. Womack, SM              | A 1340 WJRI l       | Donald Godala, GM                          | B  |
| 820 WOSU ql         | John H. Battison, DoE      | B 1350 KCAR lm      | Mrs. Winifred Bishop, GM                   | I  |
| 830 KBOA l          | R. M. Shaw, E              | O CEAR p            | Jacqueline Donaldson, A                    | L  |
| 840 St.Lucia l      | Pat Augustine, ProgSecy    | I 1360 CJVL lm      | Hacques Vachon, P                          | K  |
| 870 WFLO l          | John D. Wilson, GM         | M ANIR lm           | Robert Holbrook, Op M; E                   | I  |
| 890 WHNC ul         | Mike E. Smith              | B 1370 WMYD         | Duffy Egan, DOP                            | G  |
| 900 WJWL lm         | Stephan G. Wallace, CE     | I WEMK l            | Louis J. Maierhofer, P, GM                 | K  |
| 910 KGLC lm         | Richard G. Harly, ESu      | O 1380 WAKC lh      | Richard Byrd, CE, N4UQ                     | O  |
| KLCN p              | Harold (Saelrlings?)       | O KWK ul            | Andrew Butler, CE                          | B  |
| 920 CBO q           | G. Ethier, Pub Rel         | A WKIC l            | Gerald E. Davis, GM                        | J  |
| 930 WTAD fm         | T. E. Robey, Prod D        | O 1390 WJRM lm      | (Tommye Wallace, for:<br>(Douglas Byrd, CE | B  |
| 940 WGFP l          | Isaac A. Richardson, GM    | IF KKOA l           | Linda Stensby, Contimity                   | N  |
| KVSH lm             | Ed Haen, CE                | I 1400 WCEG l       | Ralph M. Lambeth, P                        | B  |
| WCSW lm             | u/u                        | I WSOJ              | Mark Rolling                               | G  |
| 950 KMTX f          | Donald Maynard, CE         | C CKPT fs           | Ed Crompton, CE                            | F  |
| WWVI lc             | Al Block, Op M             | J 1420 WIRE q       | u/u  | B  |
| 960 KARZ            | T. Higgins, CE             | A 1430 KELI q       | Glenn Thomas, CE                           | I  |
| 970 WERH q          | (K. Fite, O                | A 1440 KKKL         | J. Burkholier, TD                          | A  |
| WSTX c              | Herbert Schoenbolm, CE     | F 1450 WFMT p       | Gordon S. Carter, F                        | M  |
| WMAY gm             | Harold J. Dunn, CE         | I WHSC p            | D. E. Lyles                                | A  |
| WAKX l              | Lewis M. Latto, GM         | M 1460 WNWG p       | Ribera Peterson, CE                        | L  |
| 980 CKGM cm         | Bruno Larivee, TD          | M WDYX l            | Kathleen J. Joseph                         | O  |
| WITY fb             | William Craig, PD          | F 1470 WBYV l       | Larry H. Tainter, GM                       | M  |
| 1000 CFLP lrm       | Gilles Fournier, D, Tecu   | P 1480 WCNS l       | H. R. Robaly, AE                           | J  |
| WRNJ l              | L. J. Tigne Jr., CE        | F CEAN p            | John Evans, SM                             | L  |
| 1030 KCTA f         | J. S. Bumpas, CE           | O 1500 WLWL r       | Robert E. Perkins, CE                      | B  |
| 1050 WACR l         | Larry Ross, p M            | M 1510 KGA qu       | Thomas German, CE                          | M  |
| WHGI l              | Christopher Dixon, PD      | BP 1520 KMAV l      | Austin G. Kramer, GM                       | IN |
| CHUM                | CHUM Engineering           | H 1540 WBCO lm      | Thomas P. Moore, GM                        | J  |
| WSXE lm             | Martin M. Bakner, Sales    | J KXEL q            | George Quisenberry                         | N  |
| 1060 KBGN c         | Nelson M. Wilson, CE       | J WGRK l            | Michael R. Wilson, VP, GM                  | I  |
| KHYM fmb            | Al Tarasiuk, PD            | P 1550 WBSO uq      | u/u  | B  |
| 1070 WBCP lrcb      | Richard Sterling, PD       | F WLUX              | L. E. Benson, TD                           | A  |
| 1080 WENW           | S. D. Baley, CE            | A WBFJ lm           | Rosa Murphy, PD                            | P  |
| WVCG p              | F. Moore                   | A WUTQ lm           | John F. Bunkfeldt, GM, CE                  | P  |
| 1070 WINA hl        | Scott G. Turner, CE        | K2ST B              | Roger M. Heard, CE                         | O  |
| 1090 WISS l         | Joseph Williams, CE        | M KJJO f            | Cindi Smith, Trfc D                        | O  |
| WGOC l              | Mitch Sandidge, CE         | KP 1560 WAGL f      | B. Len Phillips, SM                        | F  |
| WISN q              | Roert Johnson              | O 1570 CKTA lm      | (Brent Sealy, M                            | J  |
| 1140 KCJJ l         | Walter J. Slack, E         | M                   | (Sandra Wesley, Trfc                       | P  |
| 1150 CKOC f         | Robert Meuser, CE          | O CFOR l            | Brian Hooper, DoE                          | O  |
| 1170 WBHW lm        | Charles A. Hecht, CE       | F 1580 KNIX l       | James West                                 | M  |
| 1190 KLIF           | ACE                        | H KLTR l            | Dennis Guinn, CE                           | O  |
| WXGR l              | James (O'Turin?), CE       | O 1590 WHPY p       | Howard I. Sugy, CE                         | L  |
| 1220 WSME lm        | Richard E. Welchel, CE     | P WDEL 2            | William Gray, GM                           | I  |
| CJOC l              | Mike Porter, E             | M 1550 WNTN l       | Robert Bittner, SM                         | D  |
| 1230 WURE l         | John Crawford, CE          | O 1600 KCGS         | R. Elliot, P                               | A  |
| WKYG p              | u/u, CE                    | J KNCY              | David J. Messing, GM                       | H  |
| KERV                | Roland Richter, CE         | A WHOL l            | James Herbert, CE                          | K  |

We have quite a goodly number more verie signers on hand, and we'll line 'em up for you very shortly, probably in the next DX NEWS. In the meantime, get in the Verification Game, and enjoy this phase of the hobby! It's something to look back on and which will bring back fond memories of your catching of the stations. And the rest of you who do verify your catches, let us have those signers' names for this important column!