



DX NEWS

*the magazine of the
National Radio Club*

— SINCE 1933 —

Volume 46, Number 1 Monday, Oct. 9, 1978.

STATIC FROM HQ

Welcome to another exciting volume year, folks. We hope you have the radios dusted off by now and are ready to DX and report that DX to this publication for all to read and be envious about. On with the news...the long-awaited NRC Logs should start going into the mails today, or at least by the end of this week as they are printed and ready for distribution, which means if you ordered one you will have it in time for the peak season (just like we promised, hi!) If you have not ordered one, why not do it now with an order to the publications center folks!...Brian Sherwood will host a special Thanksgiving get together of the Chicago Area DXers (CADX) at his home, 221 Larch Ave., Elmhurst (it's where the elves bake Keebler Cookies, too!) from 5 p.m. (CST) 11/24 to 8 a.m. 11/26. Events will range from a Nerf soccer tourney to DX discussions. Info from Brian at the address above or by phone from 5 to 7 p.m. (CST) weekdays at 312/279-7250...Bill Hardy advises that the World Series will be carried on CBS Radio starting tomorrow. Bill reminds that the series will, in some areas, be on several stations as CBS and the regular regional net stations will carry it. Full list of regional nets was in the May 15 DX News....There are more photos from the Atlanta Convention inside this issue, but we are still without the usual convention report and list of who was there--are you listening Karl Jeter?In a slight change at headquarters, yours truly is taking the responsibility for getting articles typed for DX News, which has been handled so well by Pat these last months. That means I need help (no, folks NOT psychiatric!) I do need to know who can volunteer for some typing on an occasional basis. Please let me know by writing me at headquarters!...inside this issue is the NRC membership list, which is correct as of Oct. 1. We did it early this year for those who want to send Christmas (and other holiday!) cards to their NRC friends. Thanks to Gary for typing the list and to Pat for his new idea which shows you which NRCers live where--this makes it easy for you to call or visit your fellow club members when on vacation, so take advantage of it and get together!...a visit to Nashville recently netted me the information that WAMB has completed its move from 1190 to 1170. You who need them will also be interested to note they have a new power of 5 Kw (they were 250 watts) which was turned on in a ceremony yesterday (Oct. 8th). Their chief welcomes reports and verifies with a card. Format is unique for the frequency--all big bands!...one last convention note--if you have any black and white (or very clear good contrast color) photos you would like included in the one final picture page scheduled next issue, please send them in to headquarters. They will be returned, but please put your name on the back of each so we know whose is whose! TESTS ARE LISTED INSIDE THIS ISSUE--SEE PAGE TWO!!

Wulf J. Flymbeel.

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TESTS (Times are E.L.T.)

- September 16 day KFUV-850 Clayton, Mo. 0230-0315 with 5 Kw. Voice IDs and public affairs type shows used for test modulations. No other details. Veries to: John Fischer, CE, KFUC, 801 DeMun Ave., Clayton, Mo. 63105. Arr: Arruda.
- October 23 Monday KIUP-930 AM and also simulcast on KRSJ-FM 100.5 Durango, Colo. 0200-0500 (approx.). Program will include tones, IDs and various other programming. Veries (return postage required) to: Chuck Kelly (WB9GOE), KIUP Radio, Box 641, Durango, Colo. 81301. Arr: Wayne Heinen.
- October 30 WSKI-1240 Montpelier, Vt. 0000-0100 with 1 Kw-ND. Test will be Tijuana Brass music with frequent IDs and 1000 Hz tones. Veries to: Tom Cheney, Program Director, WSKI, Box 487, Montpelier, Vt. 05602. Arr: Harley Steward.
- December 4 Monday KADE-1190 Boulder, Colo. 0200-0300 with 1 Kw-ND but may use the 52.1 watt PSA the last 5 minutes of test. Signer of veries/arranger of test is NRC'er Bob Greenlee, who is General Manager of KADE. Prepaid calls will be accepted. Veries to Bob at KADE, 4840 Riverbend Road, Boulder, Colo. 80301 (new address).
- December 18 Monday KDLG-670 Dillingham, Alaska! 0515-0615 with 5 Kw ND. Test will include tones, voice/code IDs, DX gab and some Eskimo gab which sounds a lot different than anything else on the freq! Prepaid calls will be accepted at 907/842-5281. Veries to: Les Robinson General Manager, KDLG, Box 670, Dillingham, Alaska 99576. Arr: Eddie Ryan, GWDXA and tic-tac-toe freak!

DX NEWS SCHEDULE

#2	10/23	#10	12/26
#3	11/6	#11	1/8
#4	11/13		
#5	11/20		
#6	11/27		
#7	12/4		
#8	12/11		
#9	12/18		

Youngstown, Ohio's source of T-shirts!!!
WSRD-FM--also 'home' of Jerry Starr.....



REMINDER

The first Contest starts tomorrow, October 10th and runs until Oct. 17. This one is a test of how many stations you can log on any two combined frequencies of your choice. Details are in the last issue of DX News (#31). Deadline for entries is October 22. How about making this first contest an outstanding success?

THEY JOINED

First an apology to these new members who should have been listed last issue.

- Bill Bergadano, 39 Marble St., Staten Island, N.Y. 10314
- Dennis Kelly, 4403 Holly, Apt. #4, Kansas City, Mo. 64111
- Thomas Kelly, 1215-A 6th Avenue, San Francisco, Calif. 94122
- Leonard A. Moniz, 43 Kirby Road, Westport, Mass. 02790
- Alfred E. Rosinski, 1 Fairview Avenue, Bedford, Mass. 01730

Welcome to NRC!!!! Muse soon. Also welcome to more new members.

- Penningm Benelux DX Club, Postbus 1306, Nijmegen S Gravenhage NETHERLANDS
- Chris J. Stark, 927 McCavour Drive, Greendale, St. John, New Brunswick E2M 4M2
- Genero J. Gollotto, 213 East 7th Avenue, North Wildwood, N.J. 08360
- James B. Dotson, 5063 Washington St. West, Charleston, W.Va. 25312
- Morris Sorensen, General Delivery, Leaf Rapids, Manitoba R0E 1W0 (Re-joins)

Renewals include: Clayton Woodward, Bo Nensen, Robert Karchevski, Robert V. Larsen, Myron Gray, Randy Tomer, Christopher Bobbitt, William T. Farmerie, W.R. Ritayik, Konstantine Rychalsky, Roger Giannini, Elliot Pollock, David Lewis, Dan Gradin, Roger Anderson, Neil Kazaross, Thomas Holmes, Dannel Johnson, Mike Hepe, John Buehler, H.E. Pattillo, Frank Aden, Jr., Gregory Carrington, Greg Poole, Sol Rundbaken, David Whatmough, Richard Mozlack, Ken Lyon, H. John Clements, Jim Gangler, John Parillo, Al Merriman, Eob Leamy, John Sampson, Russell J. Edmunds, Jerry Starr, Gary Atkins, Pat Flanagan, Leonard Jozwiak, Ted Fleischaker, Ron Musco, Peter G. Campbell, Bill Phillipson, Kurt Nelson and Gary S. Rand.

DOMESTIC DX DIGEST

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

Because of work sked, we'll keep our deadline at Saturdays. Now let's get right to what the membership has been hearing:

DX TEST

WSUM - Not heard by ERC, FD, RA

FREQUENCY CHECKS

- 1st Tue. WPCE-1400 w/TT 0029-0031 then Gospel (DS)
- NVAM-1430 w/TT (DS)
- WAYC-1600 w/TT 0022 (DS)
- 1st Sat. UNID-790 TT 9/2 0003-0010, WRUM? (DS)
- 2nd Tue. WRAA-1330 w/TT (DS)
- NREL-1450 w/TT (DS)
- WQVA-1490 w/TT 0030-0035 (DS) Heard 9/12 0032-0036, per call this one used to check w/Cambridge - how about that! (RM)
- 3rd Mon. WRNL-910 w/TT
- WAYX-1230 TT, IDs ea. minute 0127, 0128, 0129 on before sked time per list. (KVJ)
- 4th Wed. WSMI-1540 8/23 0105-0107 end w/TT. (RM)



KWBE
BEATRICE

SPECIAL

- 750 CGBY NF BONAVIDA - on the air per reception by Finland DXer Ari Kilponen. (FD)
- 1340 WYCB DC WASHINGTON - is correct call, not WIOB as listed in last issue due to typing error on my part. (RA)
- 1490 WRED GA MONROE - 9/11 1859, station is on, heard w/"Big RED" IDs, jx, etc. (KVJ)
- 1560 WYZD NC DOBSON - This is correct call, tho log sez WZYD, noted first by EMC on ET/ID/C&W - GOS mx 9/19 0140-0248. Noted same morning by RA via ERC phone tip. Logged again 9/20 by PD running more ETs with 1000 watts per ID w/C&W mx. This from 0100-0300.
- 1610 WCBG PA CHAMBERSBURG - 9/3 noted here w/NBC nx then s/off at 0005. This has also been noted on the PA Turnpike several times while passing through their coverage area. (DS)

SUNSET TO MIDNIGHT

- 1370 WLTC NC GASTONIA - good 9/11 1730 w/short s/off, no SSB. (KVJ)
- 1390 WMPO OH MIDDLEPORT-POMEROY - xlnt 9/15 1744 w/SID/s/off, SSB done by male vocalist, Perry Como maybe. (KVJ)
- 1410 UNID -- ----- 9/17 1658 someone w/early s/off ment. of 1000 watts"turn your lights on & tune us in tomorrow morning at six o'clock." End w/SSB - no call heard. (KVJ)
- WEGO NC CONCORD - 9/17 1729 s/off w/ment. of FM & O&O by Concord-Kannapolis Broadcasting. (KVJ)
- 1440 WQOK SC GREENVILLE - 9/14 1943 fair w/Rock o/WHHH then 3SBed out. (WPT)
- 1450 WELZ MS BELZONI - 9/17 a nice surprise 1814 w/s/off, ment 6 AM s/on. (KVJ)
- 1490 WSYL GA SYLVANIA - 9/11 1856 w/recorded C&W, nx w/YL. (KVJ)
- WGCD SO CHESTER - 9/11 popped in w/"WGCD" jx at 1720. (KVJ)
- 1530 WCRJ VA JACKSONVILLE - 9/13 1930 good w/GOS then s/off by YL.(WPT)
- WVVA VA COLLINSVILLE - 9/14 1930 fair w/WRBX/WCRJ w/s/off & ment. of LKW. (WPT)
- 1550 WBSO CO BENNETTSVILLE - 9/18 1306 fair w/local nx, ment. of Marlboro County u/WVAB 75 min. before LSS. (WPT)



1580 WBRR SC TRAVELERS REST - 9/13 1945 good at s/off. (WPT)
 1590 WGGO NY SALAMANCA - 9/12 1930 s/off good amid QRN. (WPT) (KVJ)
 KDEX MO DEXTER - 9/15 good w/wx, several PSA's then 1814 s/off.
 WAIX IL GALESBURG - 9/15 1815 s/off u/KDEX ments.... "station supported by sale of advertising"... & 6 AM s/on. (KVJ)

OUT OF ORDER

620 WHJB PA GREENSBURG - 9/14 2111 fair w/WMAZ splash w/ID/T40 mx. (WPT)
 780 WCKB MO DUNE - 9/17 1931 fair w/s/off by GM. (WPT)
 850 CKVL IQ VERDUN - 9/17 2146 PP talk, fair/good then QSB'd out. (WPT)
 910 WJOW TN JOHNSON CITY - 9/17 1930 good w/Johnson City mentions. (WPT)
 1140 CJTR IQ THREE RIVERS - 9/13 2009 good w/PP talk by GM w/WHVA then QSB'd out by 2011. (WPT)
 1330 WLAT MO CONWAY - 9/14 1954 xint w/promo for Conway Today program. (WPT)
 1340 WYCB DC WASHINGTON - noted back on air w/GOS/Soul programming (like WUST-1120). YCB means Young Christian Broadcasting, EX-WFAN. (WPT)
 1520 WIBG NJ OCEAN CITY - 9/9 1704-1725 noted atop WCHs w/T40 mx, call to station brought response from annnc'r that everything was operating properly. Letter from the station mgr. mentions antenna problems and presently running 250W ND. (DS)

680 WRKO WAZL
 149 in Hazleton

MIDNIGHT AT THE OASIS

540 ORRP OH WINDSOR - 9/15 0600 s/on w/NA, poor signal. (WPT)
 610 WIF PA PHILADELPHIA - 9/18 noted off completely this AM!
 First noted off 0026 till last check at 0215, only WIOD/WIVN/UNID'ed T40/SS noted thru static. Oh for only one of these during the winter! (DS)
 850 WDEB MA BOSTON - 9/11 0202-0205 00 w/ID then off, way atop. (DS)
 910 WRNL VA NORFOLK - 8/28 0215-0245 w/WEAT ET w/spots & Soul mx, W-R-A-P IDs. Spots heard 1/2 after & 1/2 to the hour. (RM)
 950 WPER PA RICHMOND - 9/18 0126 noted ending f/c/ET w/TT, ID then mx. (DS)
 PHILADELPHIA - 9/18 noted off 0040, only WWJ/WBBF/WLOP noted. (DS)
 960 WVAZ WV CHARLESTON - 9/10 0502 good w/T40 mx & contest promo. (WPT)
 WATS PA SAYRE - 9/10 0534 good w/nx/wx/T40 mx. Carries Yankees BB Games. (WPT)
 980 OKGM IQ MONTREAL - 9/18 0042 back again w/T40, smothering the channel, "OKGM loves you." I quickly tuned away! (DS)
 1110 KPAB NE OMAHA - 9/10 0500 fair w/ID & national nx. (WPT)
 1390 WVOH IL CHICAGO - 9/18 0155 nx, wx, then public affairs pgm to 0200 ID, "1390-WVOH" into GOS mx. (KVJ)
 1440 WGOB PA RED LION - 9/3 noted s/on at 0600 way atop. (DS)
 1450 WPAR WV PARKERSBURG - 9/18 0130 briefly atop w/MoR, wx, ment. 24 hrs & "the only station you'll ever need." I don't need them, I heard 'em last year-hi! (DS)
 HARTSVILLE - 9/11 0005 poor @ s/off. (KVJ)
 WHSO MO DYERSBURG - 9/16 2358 w/"College Football Scoreboard" ID @ 0000, then mx w/Jimmy Powers. (KVJ)
 UNID --- ----- 9/18 someone w/what sounded like all-nx format giving "15-Q" IDs 0228, who? (KVJ)
 1470 UNID --- ----- 9/18 0000-0014 someone w/steady 1000hz TT, then weak ID @ 0014 & ment. of 5000 watts, but rest too weak. (KVJ)
 WBTX VA BROADWAY - 9/18 0010-0014 noted on ET w/TT/ID/OC, like usual, strong as hell. (DS)
 1490 WRMT MO ROCKY MOUNT - 9/4 briefly noted w/YL anncr, ID 0000. (DS)
 WOMI KI OWENSBORO - 9/14 heard in WRED null, 0857 w/sports & ID. (KVJ)
 1510 WITS MA BOSTON - 9/18 ID @ 0240 w/talk, mucho QRN, surprise w/WLAC off this AM! (KVJ)
 1540 WDON MD WHEATON - 9/11 0030 caught tail end of ET. (WPT)
 1550 WMOO AL MOBILE - 9/18 0115 noted in passing giving ID for ET WMOO playing very distorted GOS but good signal tho. (DS)
 1600 WIXY MA EAST LONGMEADOW - 9/11 0202-0205 noted way atop w/less than a minute f/c, IDs at start and end were longer than the tone! (DS)

Thanks to this week's contributors:

- EMC Ernest R. Cooper, Provincetown, MA
- FD Frank Dailey, Preston, CT
- KVJ Karl Jeter, Atlanta, GA
- RM Ron Musco, Windsor, CT
- DS Dave Schmidt, New Castle, DE
- WPT William P. Townshend, Washington, DC
- RA Ray Arruda, Acushnet, MA
- HQ-180, SM2, Loop
- HQ-180, SM2, L
- HQ-150, TRF, SM2
- HQ-145, H-180A, LW, Senser-
- HQ-180A, Looped into Loop
- DX-160, TRF
- SX-122, SM2

Most of us at the beginning of the DX season set goals for ourselves and hope to attain them by the time summer comes. I hope to reach 700 veries this season for my own personal goal. Don't forget that Saturday deadline, gang. See you soon.

Ray

KLEO RADIO 1480
 1510 S 23rd STREET WICHITA KANSAS 67220 *1316: 695 0261

EXOTIC STATIONS...A DX'ERS DREAM

MIKE HARDESTER

WXLE - CANTON ISLAND

As time permits, I contact various radio stations in the Pacific and Asia regions to obtain information concerning the station and then prepare an article for publication. When I contacted WXLE on Canton Island, I received a very nice letter from Ms Joyce E. Haas. Following is the letter I received; it does more in explaining the station than I could if I rewrote the letter.

WXLE Radio Station, 1386 (note frequency--msh), is located on Canton Island in the Phoenix Islands Group. The station's equipment and call sign were originally used on Eniwetak, but came to Canton in 1971. WXLE's call sign until May 1978 was 1385.

WXLE was an AFRS (American Forces Radio Service--msh) affiliate, but due to the departure of all military personnel and a cutback in the civilian population in early 1976, the station is no longer supported by AFRS and it's operation is no longer budgeted by the U.S. Air Force, which operates Canton Island. I have been operating WXLE on a volunteer basis since July 1976.

We broadcast, with any luck, continuously from a CCA 250w transmitter via a 180 ft. antenna. Our intent is to provide radio entertainment only for Canton Island, however we frequently receive letters from the South Pacific, particularly New Zealand, advising of reception of our signal.

Due to the lack of an operating budget, the staff is minimal. I do a live broadcast of news Monday through Saturday from AP News and occasionally a volunteer plays old AFRS records in the evening. Otherwise our programing consists entirely of taped music. Our ID's are irregular.

I generally answer correspondence concerning the station or QSL requests, however, only as time permits since I have a full-time six days-a-week job on Canton. Our station log is minimal but if I am advised of the time and titles or words to a couple of songs heard, I can usually give a QSL confirmation. I prefer stamped return envelopes; IRC are acceptable.

Canton Island has a population of 51 persons, all adults employed by a civilian contractor for the U.S. Air Force. We are serviced weekly by MAC (Military Airlift Command, USAF--msh) flights from Hawaii.

To add a bit from the research I have done, it should be noted that Canton Island is claimed by both the United States and the United Kingdom. The question of ownership will again be reconsidered in 1989. The island is situated about 1700 miles/2736 kilometers southwest of Hawaii.

Canton was first accurately located and mapped by Commander R.W. Head of the USS Narragansett in 1872; the Commander named the island after the New Bedford whaling vessel "Canton" which was wrecked there in 1854.

In 1965, NASA was the dominant user of the island for satellite tracking purposes, and support of the Weather Bureau and FAA. In June of 1967, NASA withdrew from Canton, and the Air Force utilized the island as a Space and Missile Test Center until 1976.

A3Z - RADIO TONGA

Tonga is an independent Kingdom with a Constitutional Monarchy established in 1862 by King Tupou I. Located on the International Dateline, the Kingdom is composed of over 150 islands, the largest of which is Tongatapu with approximately 100 square miles (259 square kilometers). The islands are scattered over 400 miles (644 kilometers) of sea in the tropical belt south of the equator, approximately 500 miles (805 kilometers) south of Samoa.

There are over 90,000 people in the kingdom, with the majority living on the main island of Tongatapu; over 20,000 live in Nuku'alofa, the capital city of Tonga. The "men divide their time between the sea, plantation plot, King and God"...the "women keep home." The northern islands in the kingdom are called the Vava'u group, the central islands are called the Ha'apai Group, and the Tongatapu Group lies to the south.

Radio Tonga came into existence on July 4, 1961, as a Department of the Tongan Government. On July 1, 1975, Radio Tonga became an independent Statutory of the Tongan Government. A3Z is the call sign of Radio Tonga, and the transmitter (10 kw) and studios of the Tonga Broadcasting Commission are located in Nuku'alofa.

"The Call of the Friendly Islands," Radio Tonga's A3Z, opens and closes each daily broadcast with a playing of the ancient Tongan noseflutes. A3Z operates in the medium-wave band on 1020 kHz, and broadcasts Monday through Saturday (local time) from 1800 to 2100, 2300 to 0100, and 0430 to 1000 hours Greenwich Mean Time. Radio Tonga also broadcasts on Sunday (local time) from 0430 to 1000 hours GMT.

Radio Tonga operates on a commercial basis with advertising revenue as the main source of income. The 30-member staff of Radio Tonga is managed by Tavake Fusimalohi, with assistance from the Programme Supervisor, Siosius H. Fonua.

A typical A3Z weekly broadcast schedule contains a wide variety of programming: news, weather, sports, music, interviews, panel discussions, religious broadcasts, as well as other local productions including dramas, Broadcast to Schools, and listener request programs of a musical nature. Because of geographical distances involved within the Kingdom of Tonga, personal messages are regularly broadcast to the outlying island groups. The Call of the Friendly Islands, Radio Tonga, the pulse of the Kingdom is occasionally heard in North America. If you are fortunate in hearing Radio Tonga, a correct reception report will bring an attractive QSL card in return.

AMERICAN FORCES RADIO DIEGO GARCIA

The Chagos Archipelago is a 75 square mile/195 square kilometer area in the British Indian Ocean Territory. Within the Archipelago is a small island, the main one of the group known as Diego Garcia. Further defined the island is situated south of India and Ceylon (Sri Lanka) and northwest of Australia at 7°18' south and 72°24' east.

While the island may not be a major (or minor) tourist attraction it is home for quite a number of United States Navy personnel. In addition to a United States Naval Communication Station (NKW), U.S. Navy Broadcasting Service, Detachment Three is also there providing much needed entertainment.

The first AM station signed on in 1972 with a mighty 25 watts of power. From then until now the facilities have continued to expand. At present, the AM station operating on 1475 kHz has a power output of 250 watts (the frequency will switch to 1485 in November of 1978). The AM station is on the air continuously except for a maintenance period from 1900 to 2400 hours GMT on Sunday.

Additionally, there is a FM outlet on 101.1 MHz with stereo, and TV Channel 8 provides island-wide programming with a power of 100 watts.

The majority of DX reports originate from New Zealand and Sri Lanka with reports from other areas including Japan. When sending a reception report, titles of music played, announcements, weather reports and similar items are helpful to confirm reception. Also, a self addressed envelope would be appreciated. Reports may be sent to USNAVECOMSTVC DET. 3, AFRTS BOX 14, USNAVCOMSTA NKW, FPO SAN FRANCISCO, CA. 96685 USA.

Although personnel changes occur at regular intervals, the following staff assisted with information for this article: PHC Edmunds (Station Manager), IC3 Bonifas, ICFN Planck, JGSN Lawson and SN Coltrane--all U.S. Navy.

INTERNATIONAL DX DIGEST

CHUCK HUTTON
P.O. BOX 2087
DECATUR, GA 30030
(404) 533-1198
(BEFORE 2300 EDT)

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

Let's see how fast I can type it this time. Caution to the winds--no limits on typos this time.

- 185 WEST GERMANY Berlin weak but clear with variety mx, talk in GC 0330 9/19 in first real TA opening of the season. No QRM on this freq from utes. (Foxworth)
- 227 POLAND talking by woman heard thru sidebands of "IW" 226 weakly 0330 9/19 and fade out by 0350. (Foxworth)
- 530 AUSTRALIA Kempsey 2 M weak at 1310 9/8 w/rock mx, commercial spots and mention of Kempsey, then horse race results at 1315. Mixing with a weaker station during fades, possibly another Aussie. Xlnt sig by 1325. (Tomer)
- 540 AUSTRALIA Longreach 4QL weak w/quiet jazz mx //890 at 1326 9/8, then faded completely. (Randy "TP" Tomer) Concert type mx from 1334-1345 on 9/17. Was //2NR 700. (Wilkinson)
- 575 USSR Khabarovsk fair w/RR MOR mx 1320 9/10, quiet mx at 1326, Midnight in Moscow 1S at 1330. (Tomer)
- 584 SPAIN Madrid fair in slop w/soft mx 0049 9/17. (Connelly)
- 584 USSR Svobodny weak w/quiet piano mx 1322 9/10, weak CC-sounding talk at 1324, chimes at 1330. (Tomer)
- 615 CHINA Hilongjiang mostly a carrier 9/10 but w/some weak CC talk at 1323. (Tomer)
- 635 NORTH KOREA Chongjin weak to fair 1325-1335 9/10 w/KK talk, orchestra, and choir-- almost sounding like a religious service. Listed in WRTH as R. Pyongyang but was not //655. (Tomer)
- 640 AUSTRALIA Crystal Brook 5CK weak w/quiet piano mx, ABC Radio ID at 1200 9/11, then 6 time pips and ABC mx. No other Aussies noted this morning with decent signals. Was //4920 SW. (Tomer)
- 640 CHINA fair sig 1142 9/11 with CC talk, 5 & 1 pips at 1200 mixing with 5CK's pips. (Tomer)
- 640 FIJI Suva R. Fiji in w/good signal at 1040 9/11, had EE pgm, playing MOR songs and plenty of DJ chatter. R. Fiji ID at 1100, followed by news, then s/off announcement at 1103. (Tomer)
- 640 GUATEMALA Guatemala TGW blasting in 1100 9/11 w/"TGW, R. Nacional de Guatemala" ID, then faded. In again at 1130 w/NBC style chimes, singing ID's, ID's, promo, and lotsa fanfare. (Tomer)
- 647 USSR Iman weak 1118 9/11 with KK-sounding talk. First time hrd in quite a while. Used to be a regular TP, but never seemed to be a "powerhouse" stn. (Tomer)
- 655 NORTH KOREA Pyongyang 1335 9/10 was airing what had to be a Catholic mass in the KK language. Now I think I've heard everything. (Tomer) R. Moscow used to play "Jesus Christ Superstar on the air occasionally--CH
- 660 AUSTRALIA 2BY Byrock with ABC National News from 1304 to 1308 on 9/17. Caught several musical titles and news items 1337-1400 9/4. S/off shortly after 1401. (Wilkinson)
- 660 NEW ZEALAND Wellington 2YC assumed source of weak classical mx 1043 9/11. (Tomer)
- 665 USSR Komsomolsk w/"blockbuster" carrier 1347 9/10 but no audio. This stn and 1376 seem to require string carrier levels before audio can be detected. (Tomer)
- 700 AUSTRALIA Crafton 2NR weak w/ABC news 1303 9/8. (Tomer)
- 700 JAPAN Hiroshima/Kitami JOFB/JOKD fair 1345 9/10 w/JJ talk, xlnt at 1407 w/EE pgm. (Tomer)
- 725 NORTH KOREA Kimchaek running the religious sounding broadcast // to 655 at 1340 9/10, fair signal. (Tomer)
- 725 SURINAM Paramaribo SRS boomed in from 0908 to 0914 on 9/11. Not very much slop from 720. (Wilkinson) Smashing in w/LA style brass instrumental, then reggae vocals 0053 9/17. (Connelly)
- 737 SPAIN Barcelona presumed with fair carrier 0215-0230 9/17. Carrier also noted on 854 (Murcia assumed) at same time. (Eckman)
- 740 TAHITI Papeete R. Tahiti finally logged from 0713 to 0729 on 9/4 after many tries. Was playing popular American tunes with vocals in EE and anctts in FF. (Wilkinson)

750 JAPAN Sapporo JOIB really blasting in at 1355 9/9, wiping out KXL. At 1358 KXL, JOIB, and the Aussie were all mixing equally. (Tomer)

755 PORTUGAL Lisboa in mains RR w/piano mx 2323 9/17. (Connelly)

765 SENEGAL Dakar xint w/flute mx 2237 9/16. (Connelly)

770 JAPAN Akita JOUB mighty strong 1350 9/9 w/JJ talk. (Tomer)

782 PORTUGAL Porto-Miramar fair w/woman in PP 2322 9/17. (Connelly)

790 MEXICO Chihuahua XERP 9/8 0837. Several "Radio Ranchito" ID's heard. (Krueger)

800 NETHERLAND ANTILLES Bonaire TWR "concludes EE Programming", then anthem and no s/off 0505 9/5. (Foxworth)

810 PUERTO RICO WKW noted in clear 0438 9/4 and continued to 0500 s/off anct in SS, boriguena, (??-CH) anct in EE, SSB. Had disco type mx before. Au cx helped a lot as they were pretty weak to fair. (Foxworth) Considering the overall poor quality of past IXXD editors, not a bad report, hi-CH

820 AUSTRALIA Glen Innes 2CL fair sig 1337 9/8 w/quiet jazz //890. (Tomer)

820 NORTH KOREA Chongjin fair w/KK ranting 1402 9/9. // to 655 and 850 but stronger at the time. (Tomer)

830 JAPAN Osaka JOBB fair 1207 9/1 w/JJ talk. (Tomer)

840 AUSTRALIA Rockhampton 4RK with good musical selections and male ancts from 1307 to 1314 on 9/13. (Wilkinson) Fair w/quiet jazz 1336 9/8, //890. Better 1335 9/9 w/talk and quiet vocals. (Tomer)

840 JAPAN Niigata JOJK weak w/JJ talk 1403 9/10. (Tomer)

844 CILBERT ISLANDS VSZ1 at good volume with Polynesian type mx and group singing on 9/10 from 0823-0834. Has been quite good each AM since. (Wilkinson)

845 ITALY Rome assumed with poor carrier here around 0200 9/17. No audio heard. (Eckman)

850 NORTH KOREA R. Pyongyang good sig 1353 9/9 w/emphatic KK talk //655. (Tomer)

864 INDONESIA Cirebon RRI fair sig w/Indo talk 1345 9/9. (Tomer)

870 JAPAN Kumamoto JOJB weak w/JJ talk 1210 9/1. (Tomer)

873 NORTH KOREA Wonsan very strong 1223 9/11 w/usual orchestra, singing, and KK dialog. Pgm was very similar to that on 655 but was not //. (Tomer)

880 AUSTRALIA Brisbane 4BH in w/xint sig 1258-1300 9/8 w/EZL mx, then "Brisbane 880, 4BH" followed by news. (Tomer) With news items (not ABC) from 1301-1305 on 9/12. Mx followed by ancts between each selection. Also good on 9/13 from 1303-1306. (Wilkinson)

882 CUBA Pinar del Rio QMAF 9/7 0445. Classical guitar mx, "Radio Cadena Nacional" ID, "Radio Progreso" ID, and a strong het. I'm sure they were off freq because of the het. (Krueger) Someone noted here with strong sig 0420 9/16 easily seperable from WGES. Perhaps the Cuban from 880? Noted no ID at 0430. Pgm was light cl mx interspersed with woman anncr. Is this R. Progreso's format? (Eckman) Any of the big Cuban chains will play a variety of mx-rock (mild), classical, jazz, pop, etc-CH

885 MALAYSIA Kuala Lumpur-nice easy listening modern music with female ancts from 1131-1144 9/16. (Wilkinson)

890 AUSTRALIA Adelaide 5AI-musical selections, male ancts from 1241-1300 on 9/12. Six beeps at 1300. With "ABC National News" from 1300-1303 on 9/13. (Wilkinson) Good signal with ABC mx 1302 9/8, had jazz mx by 1306. (Tomer)

890 SOUTH KOREA Pusan HLKB likely the KK YL mixing briefly w/the Aussie at 1406 9/9. (Tomer)

891 FIJI Lautoka-heard 9/10 from 0816-0823 with man giving local and world-wide news items. (Wilkinson)

973 UNID weak carrier 1245 9/9, maybe USSR. (Tomer)

1010 MEXICO Guadalajara KEHL 9/4 0833. Many mentions of HL is SS on 101. (Krueger)

1016 WEST GERMANY/TURKEY Mainz-Wolfsheim suspected w/tone test, Turkey under w/middle Eastern mx 0044 9/17. (Connelly)

1034 PORTUGAL Porto Alto xint w/PP vocals 0040 9/17. (Connelly)

1043 MOROCCO sebaa-Aloun fair in WER sloop; FF talk, jazz at 0039 9/17.

1061 PORTUGAL Norte fair w/man in PP and then cl mx, some CJ&P 2306 9/16. (Connelly, last two)

1097 UNID presumed Spain or Canary Islands, woman with soft voice and piano mx 0529. Then at 0530 a stringer carrier on 1097.3 came on and covered. Seemed that the 1097.3 signal had opened with talk in Spanish with no anthem hrd. 9/22. (Foxworth) For what it's worth, I hear a soft voiced woman in SS on Canaries every time they are in. Also, Canaries is very dominant over Madrid here-CL

1100 ANTICUA ZDK alone w/woman in Caribbean EE mentioning Antigua; tropical mx followed 2307 9/16 (local sunset). Cx were "medium skip/normal", not auroral, so an hour later WWWE was atop. (Con)

1100 GUATEMALA Quetzaltenango RSR 9/5 0426. Very clear most of the time with marimba mx and several Radio Superior slopans. (Krueger)

1134 INDONESIA Banjarmasin assumed source of weak carrier 1245 9/9. (Tomer)

1169 UNID het on LA's after WVLC s/off-maybe Chad? 2309 9/16. (Connelly) Unid probably Portugal at this late hour putting a het WWVA 1170 at 0532 4/22. Bordeaux 1205 fair at same time in generally blah TA cx. (Foxworth)

1206 HAITI (tentative) 4VDS suspected here w/African style rhythmic mx o/1205 het 0032 9/17. (Connelly)

1206 INDONESIA Denpasar RRI only making it as weak to fair carriers on 9/8, 9/9, and 9/10 around 1330. (Tomer)

1210 AUSTRALIA Grafton 2CF heard for the first time w/weak pop mx, then wx at 1340 9/8, followed by DU accented EE talk and spots. 2CF promo and ID at 1348. Mixing with a weaker stn that had cl or EZL mx and seemingly DU accented EE talk, perhaps this could have been 4XO Dunedin or 2CC in Cranberra? Anybody know the formats of 4XO or 2CO? (Tomer)

1210 CHINA Yenbien weak but in the clear w/beautiful oriental style singing by YL 1310 9/9. Good sig 1316 9/10 w/KK talk. (Tomer)

1214 GREAT BRITAIN Washford et al fair w/man in EE 0031 9/17. (Connelly)

1265 ST. KITTS Basseterre R. Paradise with organ mx, hymns, chorus singing and male ancts from 0908-0918 9/18. (Wilkinson)

1304 UNID 1.9 Hz SAH/weird flute mx (like that on 765 earlier)-Senegal o/Algeria suspected 2320 9/16. (Connelly)

1349 UNID het on WHNE, perhaps Mauritania 2323 9/16. (Connelly)

1375 ST. PIERRE ET MIQUELON R. France good w/man in FF, slight 1376 het 2325 9/16. (Connelly)

1376 USSR Vladivostok assumed source of good carrier 1347 9/10, some barely perceptible talk heard. (Tomer)

1394 ALBANIA Lushnje noted fading in at 2303 9/16. Fair-good signal w/apparent SS pgm to 2330. Did not s/off at that time but remained on until 2357. Has anyone else noticed this sked change? (Eckman) Loud w/SS pgm 2326 9/16. (Connelly)

1403 GUINEA Conakry fair w/talk by man 2328 9/16. (Connelly)

1439 LUXEMBOURG Marnach very good w/WFTQ nulled; record ad, EE talk, ID jingle, then country rock song 2333 9/16. (Connelly)

1457 ALBANIA Durres good w/PP talk 2334 9/16. (Connelly)

1466 MONACO Monte Carlo strong w/EE religious pgm 2334 9/16. (Connelly) Noted at fade-in 2305 9/16 w/rel pgm. Quite good 2330-0000 s/off. Also noted at 0420 9/17 w/OC, TT, and s/on at 0445 w/fair sig. (Eckman)

1457 ALBANIA (out of order-CH) characteristic woman speaking in lang 0334 9/19. Fairly good level for a while, also strong het on 1439 then. Thought Lux s/off before then? (Foxworth)

1525 USSR Khabarovsk fair to good on 9/13 from 1234-1242. Semi-cl mx with male ancts in RR. (Wilkinson) Weak w/cl mx 1325 9/9. (Tomer)

1529 VATICAN CITY R. Vatican good m/w (??-CH); harp mx against 1530 0052 9/17-other TA's poor. (Foxworth) Good w/soft cl mx 0022 9/17. (Connelly)

1546 ENGLAND British male voice fair o/SAH 0500 9/20; nice mix of 2 audios-both in EE- 0525 and still in 0534 but could not definitely ID either. 1502 mix also in well thru WTOP splash (WTOP now AN-6 with MM SP). (Foxworth)

1602 WEST GERMANY BR Munich in w/good carrier, traces of audio 0415 9/17. 1586 yielded only a poor carrier-het. (Eckman)

Mark Connelly-West Yarmouth, Mass. R390A, 2 37 meter phased wires
 Richard Eckman-Philly, Pa. modified HQ180A, SB620, Sanserino loop
 Boob Fixworth-New York, NY. HQ150, LW
 Joe Krueger-Corpus Christi, Texas TRF, NCL73, 60' LW
 Randy Tomer-McKinleyville, Ca. FRG7, HQ180A, 670' mini-Beverage
 Hank Wilkinson-Santa Rosa, Ca. HQ180, SP600, Sanserino loop



NFL FOOTBALL...UPDATE

BILL HARDY

This updates the NFL listing on pp. 8-10, 9/4/78 DNX. Thanks to the Mutual Broadcasting System, plus NRC & IRCA members Tim Cronin, Karl Jeter, Jeff Lockwood, and Eddie Ryan, for the additional info.

Symbols used are listed on p. 8, 9/4/78 DNX.

ATLANTA FALCONS		Bob Neal	
630 WNEG-GA*	1290 WTOG-GA	1400 WJHO-AL	1490 WMOG-GA
710 WUFF-GA*	1300 WLOW-SC*	1410 WLAQ-GA	1520 WXPQ-GA*
920 WGST-GA	1340 WGAU-GA	1420 WRGG-GA	1530 WTTI-GA*
940 WMAZ-GA	1360 WAZA-GA*	WPEH-GA*	1590 WALG-GA
1100 WLBB-GA*	1370 WLOP-GA*	1450 WBHF-GA	(no FM info supplied)
1130 WMGA-GA	1380 WGUS-SC*	WKEU-GA	
1240 WDUN-GA	1390 WISK-GA*	WMVG-GA	

CHICAGO BEARS Joe McConnell (pbp), Brad Palmer (color); Virg Carter, Ray Geraci (add these announcers to prior listing)

DALLAS COWBOYS		Verne Lundquist, Brad Sham, Frank Glibier	
550 WCBI-MS	1130 WGUF-MS**	1340 KIKO-AZ	1450 KNOT-AZ
KCRS-TX	1150 KXLR-AR	KFBR-AZ\$	KGIW-CO&
590 KLBJ-TX	KNED-OK	KPGE-AZ	WROB-MS
600 KERB-TX*	1230 KSUN-AZ	KVOB-LA	KRZY-NM
620 KTAR-AZ	KCON-AR	KHLB-TX#	KOBE-NM
630 KVMA-AR*	KLIC-LA	KRBA-TX	KENM-NM
710 KGNC-TX	KPSA-NM	KPDN-TX	KPDN-TX
KURV-TX	KSIX-TX	1350 KRHD-OK	KCYL-TX+
730 KLOE-KS*	KNUZ-TX	1360 KPFA-AR	1460 KBSF-LA*
740 KCMC-TX	KERV-TX	KOYY-KS**	WMBM-PA*
850 KGOE-CA%	KSEY-TX#	KRRR-NM*	WJAK-TN*
KRPT-OK*	KWTX-TX	KACT-TX*	KLLL-TX**
860 KFST-TX*	1240 KBWA-AZ	1380 KSWO-OK	1470 KLIB-KS*
KSFA-TX**	KLOA-CA	WTNN-TN	KTDL-LA*
KONO-TX	KASO-LA@	KTSM-TX	KVLH-OK*
900 WDDT-MS**	WVLE-MS	1400 KELD-AR	KCONY-TX*
KALT-TX*	KBEL-OK	KAOK-LA	1480 KWEW-NM
910 KAMD-AR+	KOKL-OK	KCHS-NM	1490 KIBL-TX
KGIC-OK	KVLF-TX	KTNM-NM+	KWMC-TX
920 WBOX-LA*	KOCA-TX	KNOR-OK	KPLT-TX+
930 KIUP-CO	KXOX-TX	KILE-TX	KDOK-TX
940 KTON-TX*	1260 KVSP-NM	KGVL-TX	KVWC-TX
950 KNFT-NM*	KTUE-TX*	KIUN-TX	1500 KWRG-LA*
KDSX-TX+	1270 KWPR-OK*	KEYE-TX	1510 KCTX-TX*
970 KSYL-LA	KIOX-TX	KVOP-TX	KYKR-TX*
980 KICA-NM	1280 WGSO-LA@	1410 KJCH-TX	1530 KGTN-TX**#
KVRN-TX*	KRAN-TX*	KXIT-TX*	1550 KOKA-LA
990 KSVP-NM+	KWMS-UT	KBAL-TX*	KMAD-OK*
1010 KIND-KS**	1300 WRBC-MS	KNAL-TX	KHBJ-TX*
1050 KBUF-KS*	KXXO-OK	1420 KXOW-AR*	1560 WSDL-LA*
1060 KHYM-TX*	1320 KWHN-AR	KPEL-LA	KWCQ-OK
1070 KOPY-TX	WKPG-MS*	KSYX-NM*	1570 WABL-LA*
1080 KRLD-TX	KVMC-TX*	KFYX-TX*	1580 WAMY-MS*
1090 KACO-TX*	1330 KHYT-AZ*	1430 WLAV-MS*	KGAF-TX**
1110 KEOR-OK*	KGAK-NM	WWEE-TN**	KWED-TX*
	KSWA-TX*	KSTB-TX*	1590 KGAS-TX*#
		1440 KDNT-TX	1600 KBBB-TX*

Specified-hours station

% Daytimer with CP to go fulltime

@ WGSO-1280 & KASO-1240 are also on New Orleans Saints regional network (WGSO being the flagship station)

KSEY-1230, KGTN-1530, & KGAS-1590 are also on the Houston Oilers regional network

\$ KPBR-1340 is also on the Los Angeles Rams regional network

* KGIW-1450 is also on the Denver Broncos regional network

DETROIT LIONS

590 WKZO-MI	960 WHAK-MI*	1300 WOOD-MI	1450 WATZ-MI
680 WDBC-MI	970 WUPY-MI*	1340 WMTE-MI	WHTC-MI
760 WJR--MI	1150 WCEN-MI	WMEN-MI	WNIG-MI
850 WKBZ-MI	1230 WSOC-MI	1370 WNAM-MI+	WKLA-MI
900 WATC-MI*	1240 WCBY-MI	1380 WPLB-MI	WNEY-MI
920 WMPL-MI*	1280 WFCY-MI*	1400 WTCM-MI	1480 WIOS-MI*
930 WBCK-MI	1290 WHGR-MI	1440 WRDD-MI	1490 WDFX-MI
			1590 WTVB-MI+
			(plus 4 FM's)

GREEN BAY PACKERS Jim Irwin, Lionel Aldridge (add names to prior listing)

KANSAS CITY CHIEFS Wayne Larrivee (pbp), Bruce Rice (color) (add names)

TAMPA BAY BUCCANEERS Dick Crippen, Dave Kocourek, Jack Harris

"The Brooks-Gallogli Sports Network"

580 WDBO-FL	1240 WICO-FL	1440 WAYK-FL	1530 WENG-FL*
930 WJAX-FL	1340 WSEB-FL	1450 WWJB-FL	
970 WFLA-FL	1400 WPAS-FL	WSPB-FL	(plus 6 FM's)
1090 WMFL-FL*	1420 WBRD-FL*	WSTU-FL	
	WDBF-FL	WTAL-FL	

Note that the Dallas network probably ID's as "The Mutual Southwest Radio Network." The Denver Broncos may use "Intermountain Network" ID's and the Houston Oilers might be using "Texas State Network" ID's. Any other regional networks use distinctive breakaway cues at station-break time?

Still missing from the NFL ranks: Station lineups for Cincinnati, Cleveland, Green Bay, Kansas City, Oakland, Pittsburgh, and St. Louis.

NBA BASKETBALL FLAGSHIPS for 1978-79 (based on info thru 9/25/78):

Atlanta Hawks ?	Los Angeles Lakers . . ?
Boston Celtics WZB--1030	Milwaukee Bucks WTMJ--620
Buffalo Braves ?	New Jersey Nets ?
Chicago Bulls WIND--560	New Orleans Jazz WGSO-1280
Cleveland Cavaliers WWWE-1100	New York Knickerbockers WNEW-1130
Denver Nuggets KOA--850	Philadelphia 76ers . . ?
Detroit Pistons WJR---760	Phoenix Suns KTAR--620
Golden State Warriors KNBR--680	Portland Trail Blazers KUPL-1330
Houston Rockets KTRH--740	San Antonio Spurs WOAI-1200
Indiana Pacers ?	Seattle Supersonics KIRO--710
Kansas City Kings KCKN-1340	Washington Bullets WTOP-1500

Underlined stations indicate a change of flagship from the 1977-78 season. Those with a ? means I don't have current info on the team's flagship and would appreciate receiving that info immediately. Last year's flagships for those teams, respectively, were WGSO-920, WBEW-930, WIBC-1070, KLAC-570, WMCA-570, and WPEN-950. However, there's no proof that any of them will be doing the games in 1978-79, unless I hear from you!

Once the missing flagship info comes in, a brief listing of NBA networks will appear, probably in November. NHL info will also appear at that time, space permitting; another DXer is pulling that together for me so I don't have any hockey info to pass along at this time.

I have some info on college football coverage; rather than take up DNX space with it, I'll offer it free to anyone sending an SASE to me.

PLEASE SEND ANY NBA FLAGSHIP INFO, CORRECTIONS TO THE NFL LISTS, OR ANY NFL NETWORKS WE STILL NEED, TO:

Bill Hardy, 2301 Pacific Ave., Aberdeen, WA, 98520

(I'll also gladly accept any NBA/NHL/WHA/college network info you might have, as well as suggestions for improving these listings. I think I'll close out this page early, as compiling the Dallas listings took a lot out of me, hi. --BH.)

LOGGING 50 STATES FROM NEW ENGLAND

Frank E. Dailey

Hams call it "WAS" for "Worked All States". Believe it or not, nowadays, it is more difficult doing it on the broadcast band than it is on the Ham Bands. To make matters worse, it is becoming more and more difficult as time progresses. I have not verified all 50 states or the ten Provinces for that matter. I doubt that many New England DX'ers who picked up the hobby in the late 60's have either. I haven't given up hope, but like I said, "It's getting harder as time goes by". In order to aid the "novice" DX'er, here are my "BEST BETS" for logging all states. These are based on my observations from S.E. Connecticut and will vary slightly based upon your local conditions. In order to try to establish some degree of difficulty, I have assigned numbers 1 thru 5 for each station, with one being the easiest and 5 hardest. If the state has not been heard at this location, I have noted that fact by placing an asterick (*) by the state name.

ALABAMA: WEYY-1580 at sunset (3) hrd by several N.E. DXers when they were 1kW. New 2kW rig should net out better.

ARIZONA: KPHK-1580 at sunset fighting CBJ (4) was hrd on 10kW critical hours power by Musco & myself. DX tests with 50kW described by Cooper & Arruda as "loud" (3)

ARKANSAS: KAAV-1090 (3) WBAL off MM & 0105, null Canada and you have until 0205 until KAAV s/off

CALIFORNIA: KRA-1010 (3) another good shot if you don't have 1010pest. KRFK-1530 after WCKY s/off MM 0100 or KPHK-1560 w/1560 clear are good alternatives. All hrd several times 1977/78 by quite a few N.E. DXers

COLORADO: 50kW KOA-850 is still best shot (3) on MM SP's KPHK-1580 w/5kW hrd @ SSS several times per season in NJ, NY, CT, MA. KXIV (ex KRYT) 1530 made it coast to coast with 1kW during DX Test. (good CPC station)

CONNECTICUT: WTIC-1080 in R/S (1) patt change at Sunset in Dallas

DELAWARE: WDEL-1150 (2) during R/S or WJWL-900 (2) at SSS or SRS.

D.C.: WTOP-1500 in R/S (1)

FLORIDA: WSRF-1580 A/N & on MM E/T's (2); WINE-940 AM w/CBC off (2)

GEORGIA: WSB-750 50kW clear channel (1)

HAWAII: A problem. Need WSM off as well as HJJK and a good western opening for KQRL-650. A toughie (5)!

***IDAHO:** KBCT-670 or KGBM-1140 w/eastern stns off are still tough due to DA's. A LBOI E/T on non directional should get out.

ILLINOIS: No problems. WMAQ-67, WGN-72, WBBM-78, WLS-390 & WCFL-1000 are all easy and rated only as a (1).

INDIANA: WMOB-1190 easy (1).

KANSAS: KSHO-1040 easy (1). KXEL-1540 under WPTR (3) remember when KSEL & KSH-1 were easy?

KENTUCKY: WBEI-1530 on R/C (3). KOAM-860 on unsked E/T (3).

LOUISIANA: WLAS-840 in regular sked (1).

LOUISIANA: WNL-870 in regular sked (1).

MAINE: Outside N.E. not easy. Try GAN-56, LRZ-62, CSH-97 or LOB-131 depending on your locals (3).

MARYLAND: WHAL-1090 in R/S (1), WPOC-1580 & WBYV-540 sunset offerings (2).

MASSACHUSETTS: WBZ-1030 in R/S (1).

MICHIGAN: WJR-760 in reg sked (1).

MINNESOTA: WCCO-830 in R/S (1) unless WNYC goes fulltime then try WDEE-1500 w/WTOP off MM's. (2).

Mississippi: WOKJ-1550 MM's w/CBE & others off (3) -or- WCPQ-940 under CBM (WCPC's 50kW breaks thru at SSS) (3)

MISSOURI: KMOX-1120 regular sked (1).

MONTANA: KGHL-790 R/C still best shot. Canadian QRM getting worse. (4).

NEBRASKA: KFAB-1110 on Sunday w/WBT off 00:30 (3) -or- KGW-590 if no local problems (3).

***NEVADA:** KNJJ-1140 could be best shot. Sun AM w/IRVA off depends on where their DA will go. (5).

NEW HAMPSHIRE: WFEA-1370 best shot a (2) from N.E. tough in other areas.

NEW JERSEY: WVIN-620 & WFDJ-970 cover N.E. well (2).

***NEW MEXICO:** Another toughie. KOB-770 could make it with WABC off. KBCQ-1020 could become easier when 50kW nites is finally on air KDNA could still be problem. Both rate a 5. KKIM-1000 D-1 10kW had freq check in early 60's which was widely heard. KIM would be nice on DX test!

NEW YORK: WABC-660, WABC-770 & WWSB-880 are easy (1).

NORTH CAROLINA: WPT-1110 in regular sked is easy (1).

NORTH CAROLINA: WNCN-790 R/C in still most often reported from N.E. (4)

OHIO: WYWE-1100, WGAR-1220 & WCKY-1530 are easy (1).

OKLAHOMA: KRIG-740 after 0110 CBL s/off (3). Otherwise need SP's from KKBW for KOIA-1520 (4) or WYVA off leaving KVOO-1170. KPMW-1120 very tough but possible with KOK off (3rd MM at 0106). Lots of patience. A definite (5).

OREGON: KDNA-1020 & WCAU-1210 make this simple. (1).

PENNSYLVANIA: Easy in N.E. WPRO-63, WENG-55, WBAW-790 & WJAR-920 cover most of N.E. (1). West of MASS or CONN could be tougher.

RHODE ISLAND: WBSO-1550 at SSS or AM. (2½).

SOUTH CAROLINA: Easier now due to KLA-1560 w/WQXR off nitely leaves plenty of search time. (3).

TENNESSEE: WSM-650 easy (1).

TEXAS: Thank you WSP-320 & WOAI-1200 for making Texas easy. (1).

UTAH: WSL-1150 makes Utah easy (1). You can use WSL as an indicator station. If louder than usual look for other western stations.

VERMONT: Not easy outside N.E. WVT-620 in R/S or WJLB at SSS net out in New England (2).

WASHINGTON: KZOK-1590 (ex KUUV) hrd in Conn by Musco & Dailey, hrd in Ohio by several. Can make it to ECNA normally under (5) WAKR. KIRO-710 DX test made it to CT (Dailey), MASS (Arruda) with WOR on-the-air, KIRO also hrd well on other side of WOR pattern. Another good DX test shot. (5).

WEST VIRGINIA: WWVA-1170 makes this an easy state (1)

WISCONSIN: WCKY-920 & WEMP-1250 sometimes break thru QRM on MM's. (3).

WYOMING: KTWO-1030 w/WBZ off MM 0008 a (4) or (5). KIML-1270 listed F/C hrd in CT a definite (5).

*ALASKA was not listed. By far it's the toughest. I honestly don't think it will make it to N.E. on regular schedule. I think we'll need a DX Special in conjunction with a Silent Period to get the 49th State.

Perserverence gentlemen. Some loggings or even hints that haven't been heard lately in the North East ARE possible. You might have wait & wait for a Silent Period and even then wait patiently to what appears to be a deadchannel only to have your DX station rise above the noise.

PIRATE BROADCASTING IN NEW YORK 1978

John M. Sulak

The purpose of this article is to clear up any false rumors and share all the information I have concerning the New York City pirates.

I first became aware of them in the spring through DX News. I tried to hear them off and on and finally heard WFAT on July 4th. The man broadcasting, calling himself Larry McCrane, was very pleased to know his signal was getting out to Hatfield Pennsylvania, a small town about 80 miles or so from NYC. Reception here was fair to good, yet I was the only one from outside NYC that called his talk show. I talked to Larry about DXing as did a later caller from Brooklyn. What Larry said was that according to his calculations, he was using less than 50 watts.

I know of 250 watt graveyard stations being heard for thousands of miles and am surprised that on a clear channel of 1620, 1628 or 1630 that WFAT is not reported from greater distances.

I have also heard WGOR on 1630 with a woman running the talk show. This reception was poor, a much weaker signal. I listened for two hours one morning. They would fade in for a few minutes but never when they gave out their phone number.

I have read reports where some DXers think that these two stations are one and the same. There is no doubt in my mind that they are not. I could hear different people operating them, different signal strengths, and on one morning WFAT was signing on as WGOR was signing off. A loud het could be heard.

I next heard WFAT on August 20 and 21. I called and requested a verification of reception. The DJ, Larry, said he would check it out to see if it is safe for him to send them. He said he could have a couple hundred printed without problem. He asked me to call him back off the air to take my address after signoff.

After I called, a fellow DXer in NYC called saying he would like to contact me and discuss Philadelphia area DX. He said he would also call Larry after signoff to get my phone number if I would leave it with him. I did and we had some good DX discussions.

He told me that where he lives, on Staten Island, it is even hard for him to pick up WGOR. He informed me of another pirate that operates on these frequencies. I forget the call used but they are weak and are on the air less than WFAT and WGOR. From what he says and from what I have seen, WFAT is the most powerful by far. On August 20, WFAT bragged about having a new antenna. It clearly improved reception in Hatfield, southwest of NYC. I don't know if it is directional in my favor or not, but WFAT did say it was a longwire.

One point that the Staten Island DXer made is that they frequently change calls. I myself have heard WFAT calling themselves "Free Speech Radio" and WFSR. They also sometimes make fun of other NYC stations, i.e., "WNBC's gonna make me rich" and other contest quotes.

A major problem with these stations is poor audio. WGOR seems to have a problem with the volume of the caller's voice. It is too low. WFAT had this problem the first time I heard them but they claimed to have corrected it. I agree. Distortion is another problem. When I called, WFAT seemed concerned with the high frequency range. I told them it was not there when they played a record, but when they increase the treble, they increase the distortion too. Since most of their programming is voice communications, I told them they didn't need excess treble.

The stability of the WGOR and WFAT transmitters is also questionable. WGOR is worse than WFAT. The way I checked this was to switch to USB on my Drake SSR-1. I would frequently have to adjust the tuning to stay right on the carrier.

To summarize, I would say that your best bet to hear a pirate is WFAT. They seem to be the most powerful and the most technically advanced in spite of the fact that they claim to be held together with rubber bands.

Their schedule is perplexing. They have been heard as early as 10PM, and I have once heard them sign on at 5AM. I usually check the frequency at 2-4AM. The pirates seem to respect each other in that they will stay off the air if another is on. They usually sign off quickly if no one bothers to call, but sometimes stay on for up to three hours.

They all have one thing in common; they beg for long distance phone calls. I'm not sure how their phone system works, but I imagine it is the same as the short-wave pirate "Voice of the Voyager".

According to Chris Hansen of Speedx: "There is a connection in the phone company where two numbers are electrically connected together, let's say 626-9906 and 626-9904. These two numbers are connected so that, if one calls the 626-9904 number he gets a tone. If someone subsequently calls the 626-9906 number, he is automatically connected. Why does Ma Bell use them? To the best of my knowledge they are used when a number is disconnected or changed. The number changed is linked to the (e.g. 626-9904) first phone number, and the second number is dialed into a recording (THE NUMBER YOU HAVE REACHED HAS BEEN CHANGED...) When one dials into the changed number, one is connected to 626-9904 which is connected to 626-9906, and one hears a recording. At any one time, there are many of these numbers which are temporarily or permanently vacant (many of these pairs of numbers, that is). If I call into one side, and another person calls into the other side, we are connected and can talk. What the pirates do is this: They dial the 626-9904 number and get a tone on that connection. Then anyone who dials the other number is automatically connected into them. Normally this would be without ringing on the part of the called number. There would just be a click and the connection would be made. This system is mainly useful for concealing your number..."

In the past two weeks (August 26) a pirate could be heard broadcasting nearly every day. In addition to WGOR and WFAT, there are WPNJ, WEKG and possibly one other new station.

I recently heard WPNJ, or Peanutbutter and Jelly Radio. The announcer had a strong New York accent and was sometimes hard to understand. Signal strength was comparable to WFAT. Announcer's voice was well modulated, but callers and tape recordings were undermodulated. I called and seemed to surprise them. They said I was their farthest caller and started to give the area code (212) with their number after my call. Their programming is a little more bizarre than others. Ex. spent five minutes talking with a caller about enemas.

I question WPNJ's survival as one woman called and criticized the announcer's diction. She was angry about something and told WPNJ that they better stop or she would tell on them. After she said that she knew who they were and where they were located, she was immediately taken off the air.

That's about all the info I have on the pirates. If you're up in the early morning, why not scan the frequencies just past 1600? Give them a call, but be sure to report your DX to DX News.

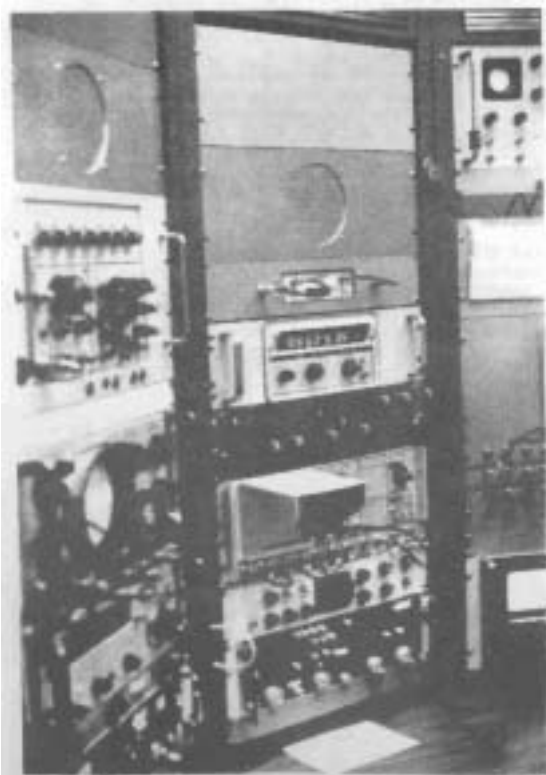


WSB's downtown studios are shown above and their transmitter site (which was just across from the Convention motel) is pictured below.





FCC Monitor Station
Powder Springs, Georgia



Inside the FCC Station
were many goodies to
make the LXR green
with envy.

N.R.C. MEMBERSHIP LIST

As of Oct. 1, 1978

a

ADAMSON, Clayton F.	35 Liberty St.	East Greenwich, RI 02818
ADELMANN, Harry	7 Academy St.	Belleville, NJ 07109
ADEN, Frank Jr.	105 SW Brook Apt. #4	Newport, OR 97365
ALAICA, Joe	493 Center Grange Rd.	Monaca, PA 15061
ALBANESE, Michael J.	917 Rosehill Dr.	Altoona, PA 16602
ALLAWAY, David	44 Orchard Farm Rd.	Port Washington, NY 11050
ALLCHIN, John	18 Burwood Cres., Remuera	Auckland 5, NEW ZEALAND
ALLEN, Douglas	15 Lafayette St. Apt. 64	Schenectady, NY 12305
ALLEN, Eugene S.	134 Bret Harte Way	Vallejo, CA 94590
ALLEN, Richard	RFD	Billings, OK 74630
ALVARADO, Michael A. III	11918 Mondon Ave.	Norwalk, CA 90650
AMMONS, R.B.	411 Keith Ave.	Missoula, MT 59801
AMORIN, Arthur S.	1975-A Kalawi Dr.	Wailuku, Maui, HI 96793
ANDERSON, Gordon L.	7706 Berchman Dr.	Dayton, OH 45424
ANDERSON, Mike	10008 Normie Lane	Louisville, KY 40229
ANDERSON, Roger	913 Larrimore St.	Arlington, VA 22205
ANDERSSON, Mats	Krongatan 4A	752-38 Uppsala, SWEDEN
ANDERSSON, Sigvard	Box 12030	S-600-12 Norrkoping, SWEDEN
ANDRES, William	10125 115th St.	Richmond Hill, NY 11419
ANDREWS, Kelly	7016 Montauk Dr.	Richmond, VA 23225
ARRUDA, Ray	47 Burt St.	Acushnet, MA 02743
ATKINS, Gary	2200 W. Burnett	Louisville, KY 40210
ATKINSON, F. W.	1506 Grant	Carlsbad, NM 88220
AUGUSTINE, Calvin T.	3422 Brookside	Rapid City, SD 57701
AYERS, Jim	2847 Woodside Dr.	Jackson, MS 39212

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BABCOCK, Frank R.	14620 16th Ave. SW	Seattle, WA 98166
BAILEY, Carrol	92 Woodland Rd.	Holden, MA 01520
BAILEY, Mark	1414 Braden Crescent	Norfolk, VA 23502
BAILEY, William S.	1219 Park Ave.	Fort Wayne, IN 46807
BAKER, Robert L.	24516 C.R. 38	Goshen, IN 46526
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BARTON, Park	26 Bellview Dr.	Tuscaloosa, AL 35401
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BENKO, Tim	2748 179th St.	Lansing, IL 60438
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BERGMAN, Marc	1120 Hull Pl. #4	Oxnard, CA 93030
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BEZILLA, Lynn	79 Murray Ave.	Delmar, NY 12054
BEZILLA, Steve	307 2nd Ave.	Osceola Mills, PA 16666
BIERMAN, Dale	6635 College	Des Moines, IA 50311
BIGLEY, Artie	3814 Underwood #11	Houston, TX 77025
BLAIR, Larry	1109 Space Lane	Austin TX 78758
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BLODORN, Rolf	6301 Allendorf	Postfach 26 WEST GERMANY
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 BRODSKY, Mrs. Linda 245-16 149th Ave.
 BROWER, David 2603 Paseo Rd.
 BROWN, Kenneth G. Keats Circle
 BROWN, Kurt C. 709 N. Oak St.
 BROWN, Russ 5050 Notre Dame Rd.
 BROWN, Warren Hillside Ave.
 BRUNER, J. R. 2345 Gay St.
 BRYAN, James T. 6841 Herndon Place
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 BUEHLER, Paul W. 405 Bellhaven Dr.
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 COLLINS, Michael 2021 Main St.
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 COOMLER, Bob 2430 Bonmark Dr.
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 So. San Francisco, CA 94080
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 Hingham, MA 02043
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 ECKMAN, Richard 2328 Griffith St.
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 EDWARDS, Don 17 Grassdale Rd.
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 EISENTRAEGER, E. H. 1110 Colonial Dr.
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 ENGBERG, Curtis 80 Concord Rd.
 ENTINE, Dr. Gerald 31 Holly Rd.
 ERDMANN, Allan W. 418 Pittman Dr.
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 FAIN, Henry 4001 Havendale Dr.
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 FAULKNER, Jack 233 E. Division
 FAWCETT, Tom 785 47th Ave.
 FEIDT, William B. 8852 L Spiral Court
 FELA, Joseph Jr. 150 Robert Place
 FELDMAN, David 16864 Shrewsbury
 FELDMANN, Douglas 599 Wyckoff Ave.
 FELDMAN, Sidney Mastertone Studios
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 Lakehurst, NJ 08733
 Urbandale, IA 50322
 Colchester, VT 05446

Overland Park, KS 66204
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 Poland, OH 44514
 Wallingford, PA 19086
 Warner Robins, GA 31093
 Seattle, WA 98105
 Dayton, OH 45424
 Virginia Beach, VA 23456
 Hendricks, WV 26271
 Brisbane, AUSTRALIA 4122
 Centerville, MA 02632
 Bullhead City, AZ 86430
 State College, PA 16801
 -412 Kansas City, MO 64118
 Philadelphia, PA 19150
 Philadelphia, PA 19145
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 Easton, PA 18042
 Salem, MA 01970
 St. John, NB E2L 4R6
 E. Holden, ME 04429
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 Rutherford, NJ 07070
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 Pasadena, TX 77504

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 Cincinnati, OH 45229
 Wayland, MA 01778
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 GEORGE, Charles 6407 Howard Dallas, TX 75227
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 GILBERT, William 26 Terrill Lane Kings Park, NY 11754
 GITTINGS, W. E. 583 Drymen Crescent Mississauga, ON L5G 2N9
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 HAGAN, James V. 896 Pt. Malabar Blvd. Palm Bay, FL 32905
 HAGGETT, Daniel 1217 Main St. Athol, MA 01331
 HALE, William R. 1451-B Faith Dr. Rantoul, IL 61866
 HALL-PATCH, Nick 3272 Alder St. Victoria, BC V8X 1P2
 HAMBLY, Chris 47 Chessell St. Victoria, AUSTRALIA 3129
 HANAVAN, Brett L. Box Hill North Chula Vista, CA 92011
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 HANSEN, Art Jr. Route 2 New London, WI 54961
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 HARANG, Bill 811 Nevada Ave. San Jose, CA 95125
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 HEINEN, Wayne 427 E. Caramillo St. Colorado Springs, CO 80907
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 HELLER, Herbert 2873 Beechwood Blvd. Pittsburgh, PA 15217
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 HENDRICKSON, David RD 2 Box 131-02 Kingston, NY 12401
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 HICKS, James Alan 75 Commerce St. Perth Amboy, NJ 08861
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 HOOGERHEIDE, John Doe Valley Estates Dallas, TX 75205
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 VOJTA, Donald J. 4308 N. Moody Ave. Chicago, IL 60634
 VONDERMBSE, Gene 31-50 30th St. Astoria, NY 11106
 VROOM, Dennis 1128 Portland Ave., Apt.6 Albany, CA 94706

WAHA, John F. 443 East Center St. Nazareth, PA 18064
 WALDRON, Harry J. 201 Monroe Rd. Sarver, PA 16055
 WALKER, Robert C. 2220 W. Hwy. 524 Westport, KY 40077
 WALLACE, Jim 3786 Quince Dr. Apt. E Columbus, OH 43228
 WALTERS, John H. RD 3, Acorn Drive Vincetown, NJ 08088
 WARDELL, Paul 2104 SE 28th Place Portland, OR 97214
 WASHBURN, Charles Gin Cove Rd. Perry, ME 04667
 WASHOFISKY, Ralph P.O. Box 117 Guilford, MS 39501
 WATERMAN, Sharon & Richard 83 College Highway Southwick, MA 01077
 WATSON, George E. 2535 Maine Ave. Long Beach, CA 90806
 WENDT, Watson Star Route Box 106 Grand Rapids, MN 55744
 WESOLOWSKI, Ernest J. 1416 Pasadena Ave. Omaha, NE 68107
 WESSOLOWSKI, Robert J. 1933 S. 33rd St. Milwaukee, WI 53215
 WETTACH, Lawrence A. P.O. Box 312 Fair Lawn, NJ 07410
 WHALEY, Brock H. 823 13th St. North St. Petersburg, FL 33705
 WHATMOUGH, David 284 Main St. W. Hamilton, ON L8P 1J8
 WHEELER, Frank 6589 Wattsburg Rd. Erie, PA 16509
 WHITACRE, Bill 2609 Devonshire Ave. Lansing, MI 48910
 WHITE, Douglas Dell 3727 N. Pine Grove Apt. 303 Chicago, IL 60613
 WHITE, Gary D. P.O. Box 96 Chanhassen, MN 55317
 WHITE, Jeffrey R. 409 Laconia Lane Schaumburg, IL 60193
 WHITE, Thomas H. 1119 N. Harrison St. Arlington, VA 22205
 WHITTIER, Harold A. 71 Spring St. Foxboro, MA 02035
 WIEN, Robert 945 Desert Isle Drive San Jose, CA 95117
 WILD, Larry R.R. 1 Box 135 Murphysboro, IL 62966
 WILKINSON, Henry J. 5028 Maiden Lane Santa Rosa, CA 95405
 WILLIAMS, David 615 Highway 101 Astoria, OR 97103
 WINKLEMAN, Bruce 3324 Kettering Place Greensboro, NC 27410
 WISHNEWITZ, Martin M. 35-34 84th St. Apt. D10 Jackson Heights, NY 11372
 WOLF, Dale D. 2605 Albert Panama City Beach, FL 32407
 WOODS, Donald 1131 Chautauqua Blvd. Pacific Palisades, CA 90272
 WOODS, Jack 4073 NE Morning St. Corvallis, OR 97330
 WOODWARD, Clayton P.O. Box 695 Palmer, AK 99645
 WORCESTER, J. A. R.D. 1 Frankfort, NY 13340
 WORST, Michael 3155 French Rd. #194 Beaumont, TX 77706
 WRIGHT, Martin 1913 Jeanette Lane #7 Springfield, IL 62702
 WRIGHT, Richard 5276 L Street Sacramento, CA 95819
 WURTZEL, Bill 32 W. 31st St. Apt. 7 New York, NY 10001
 WYMAN, Edward c/o E. Giguere 1716 Presque Isle Marquette, MI 49855

Y

YENTEMA, Robert C. P.O. Box 294 Mercury, NV 89023
 YOCIS, David A. 85 Vesper St. Fairfield, CT 06430
 YOUNG, James & Karen P.O. Box 576 Wrightwood, CA 92397
 YOURKOVIK, Kurt A. 306 Chautauqua Blvd. Erie, PA 16511

Z
 ZACHS, Burton 227 8th St. Providence, RI 02906
 ZANK, Neil G. 623 Lyncrest Drive Lincoln, NE 68510
 ZONDLO, John 6617 Maryland Hammond, IN 46323

We also have several "confidential" members, who for various reasons are not listed. Two members fall into the "lost" category--they moved and did not tell us and they were not listed. Any changes, corrections go to Gary Atkins at HQ, who did the typing of the membership list this year.

MEMBERS BY STATE

This listing is designed as a cross-reference to the alpha membership list. We encourage you to contact your fellow members nearby.

ALABAMA

TUSCALOOSA-Barton CARBON HILL-Childers HUNTSVILLE-Soule JACKSONVILLE-Phillips SELMA-Scarsbrook

ALASKA

PALMER-Woodward FAIRBANKS-Fischer

ARIZONA

BULLHEAD CITY-Dempsey

CALIFORNIA

LOS ANGELES-Grandi, Bstandig, Blocher, Pine PACIFIC PALISADES-Woods
 PALOS VERDES ESTATES-Hill VENICE-Goodlet MARINA del REY-Herr NORWALK-
 Alvarado LONG BEACH-Watson ENCINO-Schlessinger NORTHRIDGE-Finkle
 GRANADA HILLS-McIntosh PANORAMA CITY-Clements SHERMAN OAKS-Schneider
 GLENDORA-Reynolds POMONA-McKay UPLAND-Guerin CHULA VISTA-Hanavan, Seaver
 ENCINITAS-Sheedy ESCONDIDO-Manning OCEANSIDE-Korinek SAN DIEGO-Boley,
 Stagner, Lobel, Dome TWENTYNINE PALMS-Meehan WRIGHTWOOD-Young RIVERSIDE-
 Erickson FULLERTON-Kiser GOLETA-Riordan, Santulli OJAI-Coomler OXNARD-
 Bergman, McGarry SIMI VALLEY-Nelson ATASCASERO-Plew DINUBA-Kirchman
 BELMONT-Ryan MENLO PARK-Goldman SAN BRUNO-Neves SAN CARLOS-Karchevski
 SO. SAN FRANCISCO-Boyle SUNNYVALE-Christian SAN FRANCISCO-Kaskey, Taylor,
 Moriyama, Kelly, Dilbeck, Segalas PALO ALTO-Satterthwaite FOSTER CITY-
 Pietsch FREMONT-Tobia LIVERMORE-Lehr VALLEJO-Allen Berkeley-Rittenhouse
 ALBANY-Vroom CUPERTINO-Phillipson SANTA CLARA-Pruden SAN JOSE-Wien,
 Harang, Fabris STOCKTON-Bryan MANTECA-Bratton MODESTO-Pejza
 SANTA ROSA-Wilkinson MCKINLEYVILLE-Tomer MAD RIVER-Glass SACRAMENTO-
 Wright ETNA-Spencer RED BLUFF-Critchett YREKA-Freeman

COLORADO

BOULDER-Greenlee LONGMONT-Bruner COLORADO SPRINGS-Brower, Heinen
 BUENA VISTA-Fithian GRAND JUNCTION-Cook

CONNECTICUT

PAWCATUCK-Schackner WINDSOR-Musco PRESTON-Dailey FAIRFIELD-Yocis
 MERIDEN-Ouellete NORTHFORD-Fregeau SOUTHPORT-Sperry STRATFORD-Collins,
 Staff BRIDGEPORT-Rychalsky, Kenyhercz BETHEL-Kemp DANBURY-Beck, Lucas
 DARIEN-Vitti WESTPORT-Jarrett STAMFORD-Kosinski

DELEWARE

ROCKESSIN-McKenna NEW CASTLE-Luckey, Schmidt WILMINGTON-Jones

DISTRICT of COLUMBIA

McNeil, Townshend, Bull, Maizels

FLORIDA

HOLLY HILL-Ritayik DAYTONA BEACH-Hoskins PANAMA CITY BEACH-Wolf
 PENSACOLA-Barfield, Thomas GAINESVILLE-Habeck CASSELBERRY-Krueger
 DELTONA-Bowles TITUSVILLE-Hyder ORLANDO-Hidden PLYMOUTH-Conrad
 PALM BAY-Hagan MARGATE-Schatz FT. LAUDERDALE-Prath WEST PALM BEACH-
 Sahlbach NEW PORT RICHEY-Moyer SARASOTA-Parsons TAMPA-Lockwood
 ST. PETERSBURG-Whaley LAKELAND-Cantrell AVON PARK-Kennedy

GEORGIA

AUSTELL-Hardison, Poole DECATUR-Hutton, Ranck MARIETTA-Hart CARTERSVILLE-
 Edwards ATLANTA-John Harris, Jeter, Shearer, Phil Harris WARNER ROBINS-
 Davis DARIEN-Snow SAVANNAH-Rundbaken

HAWAII

HILO-Horie WAILUKU, MAUI-Amorin HONOLULU-Kudlemyer

IDAH0

MOUNTAIN HOME-Knowles

ILLINOIS

CARY-Pesek CRYSTAL LAKE-Lally GRAYSLAKE-Couture McHENRY-Bartels
 NORTHBROOK-Madeley RINGWOOD-Koske ELMHURST-Sherwood VILLA PARK-Kirschmer
 SCHAUMBURG-White OAK PARK-Lessing LANSING-Benko OAK FOREST-Perillo
 OAK LAWN-Bertonz PALOS PARK-Betscher PARK FOREST-Onyschuk, Mayer
 LISLE-Topel CHICAGO-Kinnaman, White, Vojta, Pistek, Strickert, Sabella
 CABERY-Fenton ROCKFORD-Gustafson, Eisentraeger GALESBURG-Karsch
 PEORIA-Clemmer PONTIAC-Cooper BLOOMINGTON-Brown CHAMPAIGN-Hathaway
 RANTOUL-Hale CHARLESTON-Steele BELLEVILLE-Giannini SPRINGFIELD-Tinsley,
 Wright MT. VERNON-Callarman CARBONDALE-Forth, Roberts MURPHYSBORO-Wild

INDIANA

CARMEL-Vehorn EAST CHICAGO-Hupke MUNSTER-Hieber HAMMOND-Zondlo
 VALPARAISO-Bowker WHITING-Oprisko GOSHEN-Baker WARSAW-Plummer
 FORT WAYNE-Bailey MARION-Durbin JEFFERSONVILLE-Smith W. LAFAYETTE-Reynolds

IOWA

GRINNELL-Pollock OSCEOLA-Morris DES MOINES-Biermann, Mahoney, McIntire
 URBANDALE-Cummins DUBUQUE-Kruse MAQUOKETA-McMurray SPRINGVILLE-Beard
 CEDAR RAPIDS-Mann

KANSAS

OVERLAND PARK-Dabelstein, Keeney MORAN-Swearingen MUNDEN-Houdek

KENTUCKY

WESTPORT-Walker BRANDENBURG-Hoogerheide LOUISVILLE-Fleischaker, Reed,
 Atkins, Peters, Anderson, Stout JEFFERSONTOWN-Hartlage, Truax Wilmore-Lutz
 BEREA-Bobbitt BROOKSVILLE-Bay AUXIER-McCown

LOUISIANA

NEW ORLEANS-Lazarus RUSTON-Lankford

MAINE

PORTLAND-Smith AUBURN-Peterson EAST HOLDEN-Doherty PERRY-Washburn
 BELFAST-Johnson

MARYLAND

CHEVY CHASE-Holbrook, Matthews HILLCREST HEIGHTS-Blazek PATUXENT RIVER-
 Chituck BLADENSBURG-Crabill BOWIE-Rouse FORT MEADE-Durant KENSINGTON-
 Seeliger WHEATON-Gangler ABERDEEN-Brainerd BEL AIR-Tuggle COLUMBIA-
 Feidt, Kosnett HAVRE de GRACE-Johnson BALTIMORE-Jensen, Gregory, Sevier,
 Hutchinson ANNAPOLIS-Stilwell HAGERSTOWN-Ruth SALISBURY-Brown

MASSACHUSETTS

CHICOPEE-Nowak FLORENCE-Munro SOUTHWICK-Waterman ATHOL-Haggett
 HUBBARDSTOWN-Kangas GRAPTON-Farmerie HOLDEN-Bailey WORCESTER-Grant
 ACTON-Sullivan BEDFORD-Rosinski WAYLAND-Engberg BRADFORD-Morss
 LAWRENCE-Harvey LYNN-Russell SALEM-Dionne FOXBORO-Whittier HINGHAM-
 Cooper MEDFIELD-Robie WALPOLE-Moore BOSTON-Murphy MATTAPAN-Porter
 W. ROXBURY-Greenberg CAMBRIDGE-Good, Coughlin BRIGHTON-Katz NEWTON
 CENTRE-Plaisance NEWTON UPPER FALLS-Skinner WABAN-Entine ARLINGTON-
 Connelly MILTON-Horne NEEDHAM-King DUXBURY-Graton TEATICKET-Barstow
 VINEYARD HAVEN-Norton CENTERVILLE-DeLorenzo PROVINCETOWN-Cooper
 FALL RIVER-Howarth ACUSHNET-Arruda NO. DARTMOUTH-Turner WESTPORT-Moniz

MICHIGAN

BIRMINGHAM-Gehringer ANN ARBOR-McMullen LIVONIA-Feldman DETROIT-
 Jozwiak, Campbell GROSSE POINTE-Christian OAK PARK-Rubin CROSSWELL-
 Robertson DAVIDSON-Lovell GRAND BLANC-McAbee SAGINAW-Purdy BAY CITY-
 Pruden LANSING-Whitacre STEVENSVILLE-Brown ROCKFORD-Faulkner
 MUSKEGON-Parker SPRING LAKE-Boersma MARQUETTE-Wyman HOUGHTON-Legler

MINNESOTA

ST. PAUL-Lovegren MENDOTA HEIGHTS-Bredvold CHANNHASSEN-White
 MINNETONKA-Fraser SILVER BAY-Jensen, Morris GRAND RAPIDS-Wendt
 NEW PRAGUE-Eilers WOLVERTON-Johnson

MISSISSIPPI

HOUSTON-Heppe JACKSON-Ayers GULFPORT-Washofsky PASCAGOULA-Baskind

MISSOURIDeSOTO-Jinkerson CLAYTON-Fischer WEBSTER GROVES-Eddie KIRKWOOD-Fortner
ST. LOUIS-Breville ST. CHARLES-Buehler ST. PETERS-Essmann KANSAS CITY-
Lewis, Kelly, DeRoo SPRINGFIELD-NorthupMONTANA

MILES CITY-Nix MISSOULA-Ammons

NEBRASKAFREMONT-Franklin OMAHA-Wesolowski, Lindblade, Frazier LINCOLN-McCoy,
Zank HASTINGS-UerlingNEVADA

MERCURY-Yentema LAS VEGAS-Rand, Newman

NEW HAMPSHIRE

KINGSTON-Harvey

NEW JERSEYCARTERET-Lawlor EAST ORANGE-Ledoux FAIRVIEW-Bohac MONTVILLE-Kromka
WEST ORANGE-Straus COLONIA-Crocker RUTHERFORD-Duckworth So. PLAINFIELD-
Fela UNION-Chenard SECAUCUS-Radovich BELLEVILLE-Adelmann, Lamorgese
JERSEY CITY-Kenny KINNELON-Edmunds FAIR LAWN-Dunning, Wettach MAHWAH-
Feldmann GLEN ROCK-Stonier PARK RIDGE-Ferrell TEANECK-Mount HAZLET-
Nissen ROCKAWAY-Bernstein, Kantor MORRIS PLAINS-Kocsan NEW PROVIDENCE-
Sampson WILLINGBORO-Sundstrom PITMAN-Hopkins VINCENNTOWN-Walters
OCEAN CITY-Hoffman, Morgan HIGHTSTOWN-Jones PRINCETON JUNCTION-Bowker
BRICKTOWN-Colyard LAKEHURST-Cruser PERTH AMBOY-Hicks N. WILDWOOD-GollottoNEW MEXICO

ALBUQUERQUE-Schmelzer, Maguire DEMING-Thompson CARLSBAD-Atkinson

NEW YORKNEW YORK CITY-Foxworth, Wurtzel, Imprescia, Kleppinger, Stiffler,
Seitz, Harrison, Feldman STATEN ISLAND-Clarius, Semel, Bergadano
BRONX-Kalisz YONKERS-Hansen GREAT NECK-Mendelsohn PORT WASHINGTON-
Allaway ASTORIA-Vonderembse BROOKLYN-Grant, Bernstein, Ridge
BEECHURST-Hafter BAYSIDE-Fader, Kaufman FLUSHING-Trotta JACKSON HEIGHTS-
Wishnewitz ELMHURST-Loy FOREST HILLS-Rubin RICHMOND HILL-Andres
ROSEDALE-Brodsky JAMAICA-Podall ATLANTIC BEACH--Gray BALDWIN-Borowski
GARDEN CITY-Ray LONG BEACH-Martin OCEANSIDE-Spitzer KINGS PARK-Gilbert
SELDEN-Sheehan BALLSTON LAKE-Morby DELMAR-Bezilla TROY-Sulak ALBANY-
Holland SCHENECTADY-Allen KINGSTON-Hendrickson CLAY-Nordquist FRANKFORT-
Worcester MANNVILLE-Chatterton ALDEN-Juen HAMBURG-Rader LOCKPORT-Lyon
BUFFALO-Hofer, O'Shea KENMORE-Neimanis CALEDONIA-Herkimer FAIRPORT-Bartek
HILTON-Keirn ROCHESTER-Bond, Knox CORNING-LordNORTH CAROLINAWINSTON-SALEM-Hoke GREENSBORO-Winkleman CHAPEL HILL-Tindall ROCKY MOUNT-
Coleman GREENVILLE-Erdmann ELIZABETH CITY-Luton CHARLOTTE-Collier, holmes
FAYETTEVILLE-Pribble HAMLET-ParksNORTH DAKOTA

MINOT-Van Wormer

REYNOLDSBURG-Leamy WESTERVILLE-Riley COLUMBUS-Flanagan, Mockus, Wallace
SWANTON-Raczko TOLEDO-Buehler, Siegel, Merrill OREGON-Buehler NORTHWOOD-
Myers ASHTABULA-Gibler WILLOUGHBY-Frcho CLEVELAND-Michon MIDDLEBURG
HEIGHTS-Krejny BAY VILLAGE-Fielden AKRON-Greene, Poda GIRARD-Parillo
HUBBARD-Starr LISBON-Francis NILES-Rattay WARREN-Regnall YOUNGSTOWN-
Simko, Blystone, Ronda POLAND-Dally MASSILLON-Troyer HURON-Franks
WILMINGTON-Felty CINCINNATI-Jeffrey, Elsaesser, Green, Kenneally DAYTON-
Dean, Anderson KETTERING-Gebhart, Talbot ATHENS-Galerstein NEWPORT-EddyOKLAHOMA

BUFFALO-Rogers HOOKER-Osborn TULSA-Tudenhams BILLINGS-Allen

OREGONGRESHAM-Gradin ASTORIA-Williams PORTLAND-Wardell CORVALLIS-Woods
NEWPORT-Aden EUGENE-NolanPENNSYLVANIABELLE VERNON-Lancaster MONACA-Alaica CORAOPOLIS-Kotfis PITTSBURGH-
McKerahan, Carrington, Heller, Bender, Mozlack FOREST HILLS-Etheridge
BROWNSVILLE-Janecko BEDFORD-Cessna MURRYVILLE-Shiels PUNXSUTAWNEY-
Brauner SARVER-Waldron KITTANNING-Cooper CAMBRIDGE SPRINGS-Goldsworthy
ERIE-Steward, Wheeler, Yourkovic ALTOONA-Albanese OSCEOLA MILLS-Bezilla
TYRONE-Simpson STATE COLLEGE-Dennhardt, Guthrie MECHANICSBURG-Basehore
WRIGHTSVILLE-Smeltzer YORK-Myers MOUNT JOY-Swope LANCASTER-Milroy
WILLIAMSPORT-Herman, McCourt BETHLEHEM-Holt EASTON-Dimmick
NAZARETH-Waha WALNUTPORT-Geary ALLENTOWN-Feltman GOULDSBORO-Hayes
MOSCOW-Jacobs FORTY FORT-Cox CHURCHVILLE-Smith ARDMORE-Sayen
DREXEL HILL-Orlando HAVERTOWN-Evans WALLINGFORD-Dangerfield
PHILADELPHIA-Nelson, Kowalski, Dunn, DiFilippo, Dickter, Eckman,
NORRISTOWN-Hunn PHOENIXVILLE-Phillips READING-FoxRHODE ISLANDASHAWAY-Brown EAST GREENWICH-Adamson PAWTUCKET-Kazaross CUMBERLAND-
Healy WEST WARWICK-Conti PROVIDENCE-ZachsSOUTH CAROLINA

SUMTER-Earnhardt GREENVILLE-Mulfinger FORT MILL-Helms

SOUTH DAKOTA

YANKTON-Heckenlively LEMMON-Tisdale RAPID CITY-Augustine

TENNESSEENASHVILLE-Crowder, Fain, Murphy TULLAHOMA-Mahrenholz KINGSPOINT-Mottern
ALCOA-Francis KNOXVILLE-Hauser BRIGHTON-Van MEMPHIS-JordanTEXASPLANO-Rust CEDAR HILL-Bates DALLAS-Hoover, Hopkins, George, Phillips,
Schiller BELLS-Morris FORT WORTH-Beckett, Ponder
HOUSTON-Sorensen, Jones, Bigley, Eaves, Leone BELLAIRE-Barnes PASADENA-
Durocher BEAUMONT-Worst SAN ANTONIO-Hackett KINGSVILLE-Lackey
CORPUS CHRISTI-Krueger GEORGETOWN-Pattillo LEANDER-Lamb AUSTIN-Carr,
Blair AMARILLO-Kelln EL PASO-ThomasUTAH

BRIGHAM CITY-Pimper LOGAN-Traue

VERMONT

COLCHESTER-Curtis

VIRGINIAFAIRFAX-Merriman FALLS CHURCH-Kennedy, Powis VIENNA-Jones WOODBRIDGE-
Sapp ARLINGTON-Macgill, Anderson, White ALEXANDRIA-Higgs CHARLOTTESVILLE-
Mylod RICHMOND-Andrews ACCOMAC-Tweedie CHESAPEAKE-Cotton VIRGINIA BEACH-
Deitz NORFOLK-Bailey NEWPORT NEWS-Burke PORTSMOUTH-LagattutaWASHINGTONBELLEVUE-McHarg BOTHELL-Muggli EDMONDS-Jones SEATTLE-Dayton, Meyer,
Portzer, O'Hare, Babcock MARYSVILLE-King SNOHOMISH-Moro ABERDEEN-HardyWEST VIRGINIA

HARPER'S FERRY-Ludwig HENDRICKS-De Leurere CHARLESTON-Dotson

WISCONSINMILWAUKEE-Steadman, Wessolowski RACINE-Painter CAMBRIDGE-Knitter
MIDDLETON-Paulsen MADISON-Marx, Lazar, Hansch, Peterson SEYMOUR-Lester
DENMARK- Cieslewicz, Cieslewicz TOMAH-Heinzelman APPLETON-Schafer
NEW LONDON-HansenAPO NEW YORK

Moody

FPO SEATTLE

Hardester, O'Connor

PUERTO RICO

Gleason

ALBERTA

CALGARY-Kesteven, Shedd EDMONTON-Barber WEMBLEY-Budesheim

BRITISH COLUMBIA

SURREY-Bennett, Oldfield VANCOUVER-Grossman, McCarter VICTORIA-Hall-Patch

MANITOBALEAF RAPIDS-Sorensen WINNIPEG-Copeland, Sherman, McBride SWAN RIVER-
Belanger

NEW BRUNSWICK

DOAKTOWN-Taylor SAINT JOHN-Doherty, Stark

NEWFOUNDLAND

CORNER BROOK-Stirling

ONTARIO

CARP-Johnson CLINTON-Falconer HAMILTON-Mansley, Whatmough KITCHENER-Bergen LEAMINGTON-Reh MISSISSAUGA-Gittings OAKVILLE-Loewen ORILLIA-Rossiter OTTAWA-McKay, Osborne SARNIA-Sibbitt SCARBOROUGH-Clark, Houghton TORONTO-Griffiths, Kay, Littek, Scrimgeour WATERLOO-Skeats WESTON-Kerfoot WINDSOR-Kulbacki

QUEBEC

BEACONSFIELD-Messenger ILE des OUEURS-Rugg LACHINE-Fawcett MONTREAL-Barbeau, Mayhew ST. LAURENT-Morissette QUEBEC-Viel

SASKATCHEWAN

REGINA-Larsen

YUKON TERRITORY

ELSA-Vernon

AUSTRALIA

BRISBANE-Dellit QUEENSLAND-Moore VICTORIA-Hambly

BELGIUM

BRUSSELS-Pompe, Maistriaux

BRAZIL

PORTO ALEGRE-Silveira

DOMINICAN REPUBLIC

LA VEGA-Clark SANTO DOMINGO-Objio

FINLAND

OULU-Oulun DX-Klubi

GERMAN FEDERAL REPUBLIC

RUESSELSHEIM-Trochimezyk POSTFACH-Blodorn

ITALY

MILAN-Monferini

NETHERLANDS

AMSTERDAM-King NIJMEGEN-Penningm Benelux DX Club

NEW ZEALAND

AUCKLAND-Allchin INVERCARGILL-Burtenshaw, McIntosh

SWEDEN

NORRKOPIING-Andersson ORNSKOLDSVIK-Nensen OVERKALIX-Mattson ZACKRISVAGEN-Osterlind UPPSALA-Andersson VANNAS-Nilsson

LATE ADDITIONS TO THE MEMBERSHIP LIST:

Penningm Benelux DX Club, Postbus 1306, Nijmegen S Gravenhage NETHERLANDS
 Christ J. Stark, 927 McCavour Dr., Greendale, St. John, New Brunswick E2M 4M2
 Genero J. Gollotto, 213 East 7th Avenue, North Wildwood, NJ 08360
 James B. Dotson, 5063 Washington St. West, Charleston, WV 25312



(Above)
 Northlake
 Hilton,
 Convention
 HQ



Lefty
 Cooper





(Above) Touring an FM station complex are (L to R) Dick Truax, Mark Strickert, WCOB/WBIE owner Jim Wilder, Warren Greenberg.



(Left) Don Taylor, Engineer-in-charge at the FCC Monitoring Station explains their operations.

These photos by Hartlage

DOMINICAN REPUBLIC - HAITI STATION LIST

RICHARD CLARK

#1 Dajabon 1700 HIGH 1 kw R. Beler 1415 HIOS 1 kw R. Marien	#11 Constanza 780 HIBO 5 kw R. Constanza
#2 Monte Cristi 630 HIAF 1 kw R. Monte Cristi 1360 HISS 1 kw R. T. V. D.	#12 Jarabacoa 1110 HIJJ .5 kw R. Jarabacoa
#3 Santiago Rodriguez 680 HIJK 1 kw R. Zambia	#13 Bonao 1290 HIVM 1 kw R. Bonao
#4 Mao 699 HIJC 1 kw Radio Mao 880 HIOR 1 kw Radio Santa Cruz	#14 Salcedo 1450 HIAC 5 kw R. Uti
#5 Jánico 1290 HIVD .5 kw Radio Jánico	#15 Villa Tapia 1470 HIVP 1.5 kw R. Cumbre
#6 Santiago 560 HIAA 5 kw R. Ritmos 660 HIAM 2 kw R. Oisqueyana 720 HIAQ 5 kw R. Norte 750 HIDB 5 kw R. Libertad 820 HIAZ 5 kw R. Santiago 950 HILR 1 kw Radio Clarín 930 HICK 5 kw Ondas del Yaque 980 HISA 5 kw R. Cibao 1050 HICB 10 kw L. V. de Las Hispanola	#16 Cotul 1420 HIED .25 kw R. Oro
1090 HIJM 1 kw R. Amistad 1130 HIRL 10 kw R. Éxitos 1160 HIBG 5 kw Radiolandia 1170 HIAG 5 kw R. Azul 1270 HISS 1 kw R. T. V. D. 1380 HISC 5 kw R. Nacional 1530 HISA 5 kw R. Acción 1560 HIJC 5 kw R. Maiba 1590 HIDA 1 kw R. Hit Musical	#17 San Francisco 910 HIDE .5 kw R. Tiempo 1070 HIBI 1 kw HIBI R. 1210 HICJ 1 kw R. Merengue 1250 HIBC 5 kw L. V. del Progreso
#7 Tamboril 770 HIND .5 kw R. Tamboril	#18 Nagua 1101 HIPS 5 kw R. Nagua 1440 HIFS 1 kw R. Bahfa
#8 Puerto Plata 840 HIAB 1 kw R. Isabel de Torres 900 HIBN 1 kw R. Puerto Plata 960 HIF 5 kw L. V. del Atlántico 1240 HIAU 3 kw L. V. de la Libertad 1490 HISS 1 kw R. T. V. D.	#19 Samana 1580 HIWJ .25 kw R. Samana
#9 Moca 1230 HING 1 kw R. Ideal 1330 HIFA 5 kw 1500 HIAP .25 kw R. Generación	#20 San Juan 1140 HIBZ 1 kw R. Anacaona 1340 HIBZ 1 kw R. Centro 1400 HISS 1 kw R. T. V. D. 1440 HIAD 1 kw R. San Juan
#10 La Vega 590 HIVD 10 kw R. Santa María 1730 HIDL 5 kw R. Novedades 1310 HIMH .5 kw R. Real 1360 HISS .25 kw R. T. V. D. 1400 HIAL 1 kw Ondas del Valle 1430 HIVG 3 kw R. La Vega	#21 Neiba 1526 HIPK 1 kw R. Neiba (c. p. 1410)
#22 Tamayo 1550 HITS 1.5 kw R. Enriquillo	#23 Barahona 1240 HICV 5 kw R. Barahona 1290 HIGA 1 kw R. Guarocuya 1390 HISS 1 kw R. T. V. D.
#24 Pedernales 1400 HISS .25 kw R. T. V. D. 1560 HIPZ 1 kw R. Pedernales	#25 Jimaní 1100 HIMP 1 kw R. Jimaní
#26 Azua 1200 HIMR 1 kw R. Monte Rfo 1490 HIKF 1 kw R. Azua	#27 San José 1100 HIMP 1 kw R. Ocoa

#29 Bani	1180	HIBE	5 kw	R. Mil
1270 HITA 1 kw	1220	HIN	1 kw	HIN
1315 HIAV .5 kw	1260	HIT	1 kw	R. Vision
	1300	HIKQ	1 kw	R. Radio
#29 San Cristóbal	1330	HIFA	5 kw	HIFA
1455 HIAR .5 kw	1350	HIXZ	1 kw	R. Listin
	1410	HIAE	1 kw	La Gran Musical
#30 Sabana Grande	1440	HIAK	.25 kw	Mi Radio
1320 HIHZ 1 kw	1480	HIAH	5 kw	R. 14-80
	1510	HIBL	10 kw	R. Pueblo
#31 El Seibo	1540	HIFB	1 kw	R. El Mundo
1310 HISS 1 kw	1571	HIAJ	1 kw	R. Unión
1490 HIRP .5 kw	1596	HIEG	5 kw	R. Femina
#32 Hato Mayor	#37 Port-au-Prince			
1460 HIAN 5 kw	660	4VI	5 kw	R. Lumiere
	895	4VRMN	1 kw	R. Nouveau Monde
#33 Higüey	954	4VCD	.7 kw	R. Carillon
1410 HIRM .5 kw	985	4VCP	.3 kw	R. Cacique
1430 HILF .25 kw	1080	4VRD	1 kw	R. Nationale
	1146	4VAR	1 kw	R. Caraibes
#34 La Romana	1170	4VRFL	1 kw	R. Soleil
1360 HIMG 1 kw	1205	4VDS	5 kw	R. Progres
1540 HIBD .25 kw	1250	4VYM	.2 kw	R. Dif. Haitienne
	1280	4VRH	5 kw	R. Metropole
1570 HIRJ 1 kw	1330	4VJCD	10 kw	R. Haiti-inter
	1385	4VS	1 kw	R. Port-au-Prince
#35 San Pedro	1430	4VGM	1 kw	R. MBC
1060 HIRV 1 kw	1475	4VAA	1.5 kw	R. Peuple
1100 HIHD 1 kw	1500	4VOC	.35 kw	R. Select
1200 HIBS 1 kw				
#36 Santo Domingo	#38 Cap Haitien			
540 HIBM 10 kw	840	4VEF	10 kw	La Voix Evangelique
570 HIMS 10 kw	1035	4VEH	10 kw	4VEH
620 HISS 10 kw	1145	4VWB	.2 kw	R. Citadella
650 HIAT 5 kw	1465	4VCP	.1 kw	La Voix du Nord
690 HIAW 5 kw	#39 Pignon			
730 HIZ 5 kw	740	4VIE	1 kw	R. Lumiere
760 HI	#40 Les Cayes			
790 HIL 5 kw	760	4VU	20 kw	R. Lumiere
830 HIJB 10 kw	#41 Jérémie			
860 HICR 50 kw	780	4VO	.5 kw	R. Lumiere
890 HIPJ 5 kw	1190	4VAE	.15 kw	R. Grand Anse
920				
950 HIBA 5 kw	#42 Rort-de-Paix			
1010 HIJP 10 kw	1280	4VGA	.2 kw	R. Capois La Mort
1040 HION .25 kw				
1080 HIMC .25 kw	#43 Gonaives			
	720	4VIA	5 kw	R. Lumiere
1120 HICN 5 kw	895	4VVB	1 kw	R. Artibonite
1150 HIAS 5 kw	930	4VJS	.2 kw	R. Variete



MUSINGS

ERNEST R. COOPER
5 ANTHONY STREET
PROVINCETOWN, MASS. 02557

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

ON VACATION IN THE OLYMPIC VALLEY

HILL HARANG - 811 Nevada Avenue - San Jose, California - 95125
Greetings from the Evergreen State, the Land of Rain!!! I'm having a fine time vacationing here and enjoying the rain. Right now, I'm camping at beautiful Kalaloch on the Olympic Coast which is approximately 35 miles S of Forks and 75 miles N of Aberdeen on U.S. Highway 101. The rainfall here on this side of the peninsula is about 180 inches a year. The situation here on the Olympic Peninsula is so extreme that the wettest spot on the Continental U.S., Mount Olympus, with about 200" of precipitation per year, lies only 40 miles W of the driest coastal region N of Southern California - Sequim (pronounced "Squim"), Wash. The scenery and radio reception conditions here are both interesting. I've made some interesting radio reception observations here. My biggest surprise to find out was that KWRO-630 Coquille, Ore. (near Coos Bay) comes in with a good groundwave signal. Looking over my Texaco Touring Atlas, I see why. The radio signal goes over an almost completely salt water path. This station has a stronger signal here than CKLG, CKWX, KVI, KOMO, KING, & KXRO. KNPT-1310 & KSWB-930 both have great signals here. They're even stronger than KIRO here. A Canadian station is coming in here good on 540 all day - it's //-CBU-690. Is it CBXQ or what? I wonder. Whatever you think of this area, pro or con, groundwave reception here is certainly interesting.

ON TRIP THROUGH SOUTHERN CALIFORNIA AND LAS VEGAS

ROBERT WIEN - 945 Desert Isle Drive - San Jose, California - 95117
In late July, I took a trip through So. Cal. & Las Vegas, Nev. and did much DX-ing. I spent a DX session with fellow member RICK NEWMAN, and sat for a five-hour session at KRAM-1340; very interesting. Nighttime DX lists from Las Vegas, Chula Vista, Anaheim and Santa Barbara, daytime lists from Avenal, Cal., Bakersfield, Mojave, Barstow, Baker, 11 miles NE of Baker (car RX), Victorville, Ferris-Sun City, Chula Vista, Oceanside, Anaheim, West Covina, Ventura, Santa Barbara, Solvang, San Luis Obispo, & King City. Anybody care for any of these, just write me. Border tape on 1610 on tape, very interesting. From Vegas, WOC-1420 in, also s/off of KVOG-1490, both on tape, also unID SSES on 980 & 950 (u/XEEM) plus 1290 and 1310. From Chula Vista, KTSM-1380 in, also unID SS on 1380 (also in daytime), 1410 (quite strong), & a few others. One on 1420 u/XEEX OC after midnight, too. All DX on a GE TRF, in my opinion, the best radio I've heard, easily beats out the Realistic TRF & Panasonic at night but Realistic is better during day. I can hit perfect nulls on KABL-960, KNEW-910, KIRX sloop on 1490, as well as 1510, and null KLIV sloop on 1580, although not on 1600 (nothing can!), also KERN sloop on 1360 & 1380. I can get KOPI-1180 through local KLOK sloop, and actually local KLOK on occasion to get KCBQ! XEPRS is easy to null w/KBOZ in there, KNX null to hear CFAX, KABL can be nulled to hear KAYK, KNEW nulled to hear XEAO. I can null KGO sloop on 800 to get XEOK, KCBS sloop on 730 to get CKLG, KNBR sloop on 690 to get XETRA, 670 to get you-know-what, & actually null KFRC on occasion with who-knows-what in their null, 620 sloop can be nulled w/KNGS/KGW/KTAR fighting it out, KSPD-560 totally nullable but nothing in their null. On MM, w/local KNTA-1430 off, KARM is easily nullable to get KBRC, 1440 dead, 1420 w/KUJ/KSTN. KRE-1400 is easily nullable to get KBEG, 1230 to get KLAU/KGAM, 1240 to get KSON/XBOG, 1340 to get KMAK/XEAA/KRAM, & 1490 to get KTOB/KDB/KWAC. That's it for now, 73s. Does anybody know the exact cost of an SM-2, including postage, etc.? (Are you reading, JOE WORCESTER? -ERC)

DRAWNS ANALOGIES ON TP RECEPTION

HANK WILKINSON - 5028 Maiden Lane - Santa Rosa, California - 95405 9/6/78
A recent survey of Trans-Pacific DX loggings & CX for 1974, 1975, 1976 & 1977 showed an amazing parallel. Peak period #1 was from Sept. 1-9; #2 was from 9/22 - 9/29; #3 from Oct. 3rd to 7th; #4 from Oct. 16th to 18th. Please note peak periods becoming progressively shorter! As for 1978 the mornings of Aug. 31, Sept. 3, 4, & 5 were almost fantastic w/many "Down Unders" being heard. I managed to log & report three new stations: "R. Tahiti"-740 4EH-880 & 2EY-660. I have heard 2NR-700, 4QS-750, 4RK-840, 2YC-660 & 5AN-890 quite regularly since Aug. 23rd to date. I now wonder what the period of 9/22-29 will bring? I will advise. Incidentally, there has been only one good Asian "opening" so far this season - that was on Aug. 26th. In 1977 the first good Asian opening was on Sept. 8th & 10th. The best time for Down Under DX is from 1100 to 1400 GMT (7:00-11:00am, ELT -ERC) Many New Zealand stations s/off @ 1200 GMT. (8am ELT -ERC). Good luck!

GETTING READY TO GET STARTED AGAIN

RAY ARRUDA - 47 Burt Street - Acushnet, Massachusetts - 02743
Not much went on in the way of DX this Summer, with the RX on only once & one v/q back from WFHG-930-TEST. I'm working on getting a couple of CFC TESTS going, & hope to be highly successful in this area so that others might benefit. I wanted to listen MM 9/11 to officially start the season but I slept right through. I hope it'll be 100% return on reception reports for everyone this year. As done in the past, I'll attempt to log as many of the DX TESTS as possible. 73.

LISTS SOME NEW FREQUENCY CHECK SKEDS

JOHN KROMKA - Box 86- Montville, New Jersey - 07045

8/28/78

Only DX of recent memory was a catch I've been frustrated with trying to get for three years. I finally got it: 8/24- WWBK-1560 Brockport, N.Y. was behind WQXR @ 6:03 am. Anyone needing this baby in my general vicinity should try it because I've heard it a few mornings after consecutively. I just received a list of some stations with their f/c's. I got them from JOE FELA via DAVE SCHMIDT from some cooperative monitoring company. The stations I needed out of the list were the following with their f/c's for those interested: WHPL-610 4th Thurs. 12:30-12:40am; WNNI-690 4th Mon. 5:30-5:40am; WPED-810 4th Mon. 5:40-5:55; WANV-970 4th Mon. 5:25-5:40; WPMH-1010 1st Fri. 1-1:15; WSNJ-1600 2nd Tues. 12:05-12:20; WKIH-1430 3rd Fri. 12:45-1; & WHOL-1600 3rd Tues. 12:45-1. I need two more stations in N.J. to complete it, those being the above WSNJ & WDWL-1270 who has a f/c but won't tell me it, because they consider it privileged information. That's a lot of bull to me and burns me up. Oh well, what's gonna do? The WSUM CPC TEST on 9/18/78 should be a good one, so I hope that many of you listen or set your timers. (WCFL will be on the air, unfortunately, per note of ERC). To the new editors: DON ERICKSON and JOHN BOWKER: We all know you'll do a fine job in your respective columns. I hope to get to edit CONTESTS. We'll see. Next time I hope to list some new DX with the new antenna.

ENJOYED THE ATLANTA CONVENTION

PAUL MOUNT - Somewhere between Teaneck N.J. & Ohio

9/7/78

I've just returned from KARL JETER's NRC Convention in Tucker, Ga. & I had a tremendous time there, hi. I was surprised to meet some of my correspondents who came a great distance to Atlanta, like NEIL ZANK and others from the Nebraska area; DON ERICKSON and JOHN CLEMENTS from Southern California; and GEORGE KESTEVAN and brothers who drove from Calgary. I did a lot of trading, most notably radio station T-shirt trading, w/ JERRY BOND, FRANK MERRILL, WALT BREVILLE, DAVE WHATMOUGH, and the auction; also SCs, CMs, & bumper stickers. The auction, by the way, was a barrel of laughs. You let these Louisville guys do an auction one year, and they think they're professional auctioneers, hi hi. To those who haven't gone to a Convention, they're really a lot of fun, as long as you don't try to DX too much, just ask ROGER GIANINNI, hi, at the 1979 Convention near ST. LOUIS. One ironic note, I go 850 miles to get away from a clear channel 50kw ND station (WABC) only to find WSB's tower across the street from the motel. RICH SEBALAS was right, Judy's wasn't as good. I got to Atlanta via 20 hour Trailway ride, went back North to Akron w/ GEORGE GREENE and JOHN SALLY, then home via Greyhound. The day before I left for Atlanta, I visited JOHN KROMKA in Montville, to see his longwire/capacitor set-up, and to show my Space Magnet to him. Next year we'll sell his CPC speech at the auction, hi. We went up to WKER-1500 Pompton Lakes, which was heard behind stations from 1390 to 1590 or something like that; WJIT has no signal at all up there. Also WKER was heard around 500k. And, we saw ERIC HAVEMANN, the man who heard KHJ from Pequannock, N.J. and attended the 1975 Convention. He also knew Rick Shaftan. I think this is as good a place as any to end this Musing. Please do not call and ask why.

DIS-A & DATA - AND RADIO SHACK HAS A NEW DX SET COMING

PETE KEMP - 5 Greenwood Avenue - Bethel, Connecticut - 06801

WB1FZX

On 8/28 1978 broadcast history was made in Connecticut with the advent of WOMN-1220 Hamden, (New Haven). As the call letter change indicates this station will be formatted for females. Somehow I got the feeling their ERA editorial policy has already been established, hi hi. The major mx component will be rock. This ex-WCDQ station will remain a daytimer & a sister station to WPLJ-FM. WIND Chicago will be changing format in late Sept. from MoR to Contemporary music/personality with NX blocks in the morning & afternoon drive periods. NBC has taken out a \$40 million insurance policy (\$2 million premium) with Lloyds of London to cover losses if the U.S. team does not participate in the 1980 Moscow Olympics. In keeping with Atlantic City's new legalized gambling empire WFGC-1450 had changed its call to WJLN. In San Antonio, the expression "Go fly a KITE" takes on new meaning as they have requested a call change to KCCW. AP Radio Network has put together a new series, Project; Education. These 90 second spots will run Mon.-Fri. focusing on teaching/learning. After six months as a novice I finally passed my General exam. Now I am ready for the new DXin' season & the NRC Net. After 11 years of programming Minnesota North Stars hockey, WCOO is dropping the rink action. They'll now be carried by KSTP. Rumors are flying around the Big Apple that WNBC may be considering a format switch to c/w, since their new PD is from sister station WMAQ, station administration denies allegations. Latest Arbitron ratings indicate WABC is still #1, folo by WCBS in second position. The San Francisco Giants will be switching from KSFO to KNBR next season. WBAW in Barnwell, S.C. has had to modify its playlist recently. Thieves broke into the station and took off with 2,000 LP's valued at \$5,000. (FRANK MERRILL, you been in Barnwell recently, hi?? -ERC) WBCC in Chipley, Fla. has been notified of apparent liability for \$1,000 for repeated failure to accurately log commercials, & you wonder why some stations are hard to verify, hi. For all you TV nostalgia buffs, the old game show Jeopardy with Art Fleming will return to the air on the NBC network effective Oct. 10. Radio Shack will be coming out with a new communications receiver, the DX-300, with availability expected the end of October or November. This unit features digital readouts, three-step RF attenuator, Quartz Synthesized tuning, operating on AC/DC, batteries or car adapter. I, even has provisions to plug in a key for code practice. This unit will retail for \$379.95. In addition, the DX-300 has a six element ceramic filter and an audio bandwidth control, Dual-gate MOSFET front end, and tape output jacks. I am sure that many members will be reading more on this unit in the future. So much for now. ??

REMEMBER TO USE E.L.T. IN YOUR MUSINGS REPORTS, AND A.M. & P.M. - NORMAL CONVERSATIONAL STYLE!

ERBOTS TWO NEW ANTENNAS: THE DX ROLLS IN

JOHN HOOGERHEIDE - 105 Bayside Lane - Brandenburg, Kentucky - 40108

I enjoyed immensely the Atlanta Convention and especially meeting old friends again - great job, Atlanta gang! I had some extra days coming & strung two semi-Severides - one 700 feet in NNE direction and the other about 500' in SW direction, both un-terminated. Fantastic CX - on 920 only frequency tried @ 10am EDT, WBAA was dominant on NNE while WMOK was dominant on SW, latter a new log. Nothing at all on the TRF at this time. It raised the S-meter to S-7 on WBAA while the dipole didn't deflect the needle. To DX now, 9/5- Alabama ER brought a great catch on 1400 - WJHO, Opelika at 10:30pm. Also WNNW-1280 w/ Indians BB. R. Vision-950 Caracas atop @ 11pm and R. Aeropuerto-1180 Barranquilla atop @ midnight. CX are still very Auroral. 9/5 was a tremendous Aurora but I was too tired from Atlanta to DX. Latins everywhere. 9/6- QSLs in from WJLN, WMOO, WBBQ. I stopped by the XR of WFTM-1240 Maysville, Ky. to find out why my report wasn't answered. Friendly Joe Gillespie, CE, impressed with report on graveyard channel, gave it to the station manager to answer. 9/7- KBXM-1540 Kennett Mo. @ s/off, 8:15pm. Also WMB-710 @ 8:30, both on new SW Beverage. 9/8- UnID LA, maybe Cuban on 885 - loud @ 3:25am EDT w/female announcer w/EL/Jazz mx. The language seemed Spanish or Portuguese. Who'd this be? It was first thought to be a TA. KLT-1560-f/c-TT to 5:13 s/off. WAAM-1600 5am s/on w/KCRG, first time ever logged. CKWW-580 atop 5:30am, long last, WITS-1510 Boston w/WLAC @ 5:45, first station ever logged u/ WLAC. CBEF-540 @ 6:15, WUFF-720 @ 6:25. 1560 s/on's at 6:30 had WTNS/WLEJ/WIDD all within 30 seconds of each other. WLEJ is Ellijay, Ga.

LA CX WERE TERRIFIC SEPTEMBER 5-6-7

DALLAS LANKFORD - 1524 Don - Tyler, Texas - 75701

9/8/78

With the dramatic improvement of CA and Caribbean CX, 9/5/6-7, I was reminded once again of the approximately 30 day propagation cycle due to the rotation of the sun. My HQ-180A w/TRF loop & RF amp pulled in a number of rare LA splits at readable volume including two UNIDs on 1255 & 1285 around 10-11pm. I merely scanned the CGB these evenings, not having time to wait around for IDs, and will look for these two again in about 30 days. The assumed Haiti recently reported on 1206 appears to have drifted to within a few 100hz of 1205. What a mess! Also noted drifting up from 880 to 881.5 on 9/5 & 882.5 on 9/6 & 9/7 was Cuba w/R Progreso Cadena Nacional ID about 10pm on 9/5, listed as CMAF, Pinar del Rio by WRTH. On 9/5 a very strong 1165, Antigua, St. Johns, Caribbean Radio Lighthouse s/off 10:15 pm w/many details in EE, closing w/a hymn, carrier stayed on. The 1555 Cayman Islands outlet was in w/local-like strength 9/6 w/dl mx about 10:15-10:45pm. On 6/40 Cuba was noted w/ IS fighting it out w/Venezuela's Puerto La Cruz giving Portefias ID around 9pm on 9/5. And on 9/7 a very clear R. Colosal ID was noted about 11pm for Colombia, Neiva, HJUR. It's a pity that I was unable to spare much time for DX these days due to early engagements the following mornings. I had remarkably clear LA's on 1045, 1085, 1125, 1135, 1325, 1345, 1365, 1375, 1385 & 1420 in addition to those already mentioned. Surely a few would have yielded a good ID. Just after 11pm on 9/6 my Radio Shack 8 ohm mono headphones developed their second open circuit in less than two years. Apparently repeated flexing of the cord causes one or both of the leads to break near the point where the cord enters the headset. It's easy enough to fix, but the fact that it has happened twice makes me wonder if others have experienced the same problem.

LET'S WELCOME BACK AN OLD FRIEND FROM UP NORTH!

MORRIS SORENSEN - Box 764 - Leaf Rapids, Manitoba - R0B - 1W0

9/9/78

As I've just rejoined the NRC after a two year absence, I guess a re-introduction is in order. I first joined NRC in 1966 when I was a high school student in the tiny central Ontario town of Emsdale. At that time I already had two years' experience as a DXer. Between 1964 & 1971 I compiled totals of about 600+ heard and 403 verified. Best catches included 4WEC-890 Cap Hatien, Haiti (2.5kw), ZFB1-960 Hamilton, Bermuda, R. Americas-1160 (Swan Island), KOUR-1220 Independence, Ia., CBEF-1140 Mattagami, P.Q. (40 watts) etc. In 1971 I became a teacher and moved to Northern Manitoba. Living in various Northern Manitoba communities I have heard over 400 stations with about 135 verified. Best catches include AFRTS-1425 Greenland, Leningrad U.S.S.R.-1493, R. Caroline North-1367, CFFB-1210 Frobisher Bay, N.W.T. & CKLS-1240 La Sarre, P.Q. By 1976, however, I was so involved in the community (coaching track and basketball, serving on the BoD of the museum and other local organizations, etc.) that I found myself with little time for DX and therefore let my NRC membership lapse. In 1977-78 I took study leave to attend the University of Manitoba in Winnipeg for my pre-Master's in History and found my enthusiasm for radio revitalized through contact with the U. of Manitoba DX-SM Club. While in Winnipeg I concentrated on SWBC but now that I'm back in the North (Leaf Rapids is about 600 miles N of Winnipeg) I hope to get back into CGB DX as well. However as I'm living in an apartment I haven't yet been able to put up a decent LW for my HQ-150 & all DX has been on my Panasonic RF-2800 with its built-in AM antenna. Recent loggings include: 9/2- CKLQ-1570 Man. @ 11:18pm. 9/3- Unn CRYK-1340 N.W.T. @ 12:19am. MM 9/4- CFRW-1290 (ex-1470) Man. @ 1:42am; CKSW-570 (ex-1400) Sask. @ 1:58am. 9/9, unnc CKTA-1570 Alta. s/off @ 2am. I have two questions: (1)- Does anyone have MIKE HARDESTER's address? I have a manual belonging to him. (2) Is the SM-2 Space Magnet still made. If so, where could I obtain one? (Attention, JOE WORCESTER - send in some info on your SM-1 & SM-21-ERC) In closing I would like to say that I enjoyed BRIAN VERNON's article on his DX experiences at Mandbridge, Northern Manitoba. ??

DO YOU WANT US TO BRING BACK REGIONAL MUSINGS?

WE TRIED IT ABOUT HALF WAY THROUGH LAST SEASON AND IT WORKED WELL IN SOME SECTORS AND NOT SO WELL IN OTHERS. SHALL WE MAKE UP A LIST OF AREAS TO BE FEATURED WHEN WE RETURN TO WEEKLY ISSUES? EXPRESS YOUR VIEWS IN FUTURE MUSINGS, PLEASE! -ERC

LET'S WATCH AND REPORT THE TA'S

MARK CONNELLY - 52 Amsden Street - Arlington, Massachusetts - 02174 WA10N 9/19/78
Hello to you all again. I hope everyone had a good summer because now it's back to the work & school grind. Those of us in the NE will start worrying about what Mother Nature has in store for us this winter. In any event, good CX will be once again upon us. The summer saw us visiting Bar Harbour, Me., Newport, R.I. (to see the mansions), Rockport, Mass.; & my parents' house in West Yarmouth, Mass. From Maine WOCM-590 seemed to be in loud o/u WREI at night w/Cuba a distant third. This even with somewhat AU CX. The Cadillac Mountain summit is excellent for groundwave DX. While on Cape Cod Mary Lou & I took the ferry over to Martha's Vineyard. The TRF was really jumping with loud signals when out on open water: NYC/LI/NJ coast stations were especially strong. The only thing that marred the travelling was an ear infection that sometimes screwed up my equilibrium. Well, now I'm back to work at a new job - an electronic systems test technician at Teradyne in Boston. To other matters - has anyone tested out the new Realistic DX300 SML RX with digital readout? I'm particularly interested in its LW/MW performance. It seems that TRF modification articles have been coming out quite regularly - maybe NRC & IRCA could collaborate to compile them in a "DXer's Guide to the TRF" in a DX NEWS style pamphlet. This would include Bobbitt's piece and the two Barfield/Thomas articles, possibly also my Musing in 12/19/77 DX NEWS, 12/17 in DX Monitor & my "Travelling DXer" article. Other pertinent Musings/Forums should be included - criticisms of the TRF, etc. Now a word to you TA fans: are you gearing up for the November changeover? Let's start massive monitoring and reporting, even of "routine" stations, so that all members can keep abreast of changes as they occur. Overseas reports will be especially useful. FOWMORTH, ECKMAN, BAILEY, NELSON, DUNN, DeLORENZO, COOPER, KAZAROS, BARSTOW, SCHATZ and the rest of you - tweak up those receivers, roll those tapes, & report those catches. Organize beverage-at-the-beach DXpeditions. Last item: tape offers. NA DX from New Zealand by JOHN ALLCHIN and Irish/English locals by MIKE McGOVERN. Each tape is 90 minutes. Please sent cassettes & 30¢ or an IRC per tape for postage. Allow 60 to 90 days for delivery. 73 & good DX.

HE'S ON HIS WAY!

BILL WURTZEL - 32 West 31st Street - New York, New York - 10001 212-594-4892 9/20/78
On Aug. 24 late evening I nulled WNJR-1430 Newark, N.J. & heard a call letter of WLBQ playing c/w. I cannot locate such a station. Anyone know of its whereabouts? MM Sept. 18 @ 1am I picked up a clear reception of WMMJ-620 from Milwaukee, Wis. They gave the WX for Milwaukee. WVMJ-620 Newark, had already gone off for the night. I have some daytime DX from the beach and one from Jackson Heights to send in soon. Let me mention a I used a Realistic AM-FM-TV band cassette recorder, and along the water at Brighton Beach seven states and D.C. were heard in the daytime. WBZ-1030 Boston, WBAL-1090 Baltimore, and WTOP-1500 Washington D.C. came in during the daytime. Other stations heard included: WDEL-11 50 Wilmington, Del., WOOJ-1420 Coatesville, Pa. & WPRO-630 Providence, R.I. Also I heard WBUD-1260 Trenton, N.J. States included: New York, New Jersey, Connecticut, Pennsylvania, Delaware, Maryland, Rhode Island & Massachusetts - hey, that makes EIGHT! Are you ready for some humor? Here are two limericks:
SHAPE
Today there was a large solar flare
Which really gave me a scare
The entire radio band
Went from excellent to bland
So I threw my radio at a chair!
A radio operator at Paris headquartered /
Opened up the window drape
He wanted to do something spectacular
So he dressed up like Dracula
And jumped out of the window wearing a cape!
I will be reciting five minutes of my fantastic rhymes
will be on WBAL-FM-99.5 some time in October. It will be on late in the evening so many listeners in the Tri-state area should be able to hear it. On 9/24 I will be one of the two featured poets at an open reading in Greenwich Village, doing a full half hour of my poems, limericks, and songs. I, was listed in "The Village Voice" newspaper. I'm on my way to that great day!

WE WELCOME A NEW MEMBER, ROD, AND HOPE HE WILL MUSE OFTEN!

ROD O'CONNOR - USOCB Ironwood (WLB-297) - F.P.O. - Seattle, Washington - 98799
(Homeport - Adak, Alaska)

Hello - this is my first Muse, having just joined N.R.C. A brief introduction on myself - I'm 28, single, a first-class quartermaster in the U.S. Coast Guard. I've been in the military eight years, being stationed in Louisiana aboard a Lightship, in N.Y.C. on a buoy-tender, (where I used to get WML o/WCBS on an AMC car radio in Lower Manhattan). Before Before coming here to the Aleutians on my present buoy-tender, I was stationed at Southwest Harbor, Me. I'm a native of Mass., having lived most of my years right on Cape Cod in Pocasset. Most of my DXing has been on a limited basis ever since I was young & listening on a cheap transistor radio. Now I do much of my listening on the ship's RDF, a Benmar Mariner, which works well, and has the advantage of showing what direction the signal is coming from. Unfortunately DXing here in the Aleutians leaves much to be desired. The best catch of the summer was while we were underway in the Bering Sea, when I picked up Hawaii's KLM & KSTRA, Tijuana. The rest of the DX was mostly Anchorage & N.W. U.S. & Vancouver, B.C. 50w's, hardly surprising. We made a trip above the Arctic Circle this summer, but with little darkness there was no DX at all, aside from Nome's KNOM-780 & KICY-850 & Kotzebue's KOTZ-720. No Russians at all. The best signal in Alaska seems to be put out by KLG-670 Dillingham, 5kw, which can be heard 500 miles out in the Bering Sea during the day. The only AM in the Aleutians is Adak's AFRIS station on 890. No sign of KIAL-1450 in Unalaska, but I will check there in a couple of weeks when we stop there on our Fisheries Patrol. Broadcasting Yearbook puts its power at 50w! - look forward to being transferred back to Maine in December. The best Christmas present I could ask for is getting back to New England, away from the Aleutians!

THANKS THE MEMBERS AND SAYS UP LAST YEAR'S MEMBERS!

FRANK E. DAILY - Box 401 - Sales Ferry, Connecticut - 06335
Greetings fellow dial freaks. As we are about to enter another DX season it's time to pass along my best wishes to all my fellow NRCers for a good season. Also my sincere thanks and appreciation to KEN CHATTERTON & KARL JETER. Without their efforts my workload in the NRC Publications Center would be tripled. Likewise to the LPC for a fine volume year. By the time this hits DX NEWS, we'll probably have re-established the "New England Network." That is a DX Hotline of ERC, RAY ARUDA, myself, & RON MUSCO. You'd be surprised at how many tips & veries have been gained through this little "net." Just to look back briefly at last season's highlights, I think I'd have to rate these as the best catches I had last year. KIRO-710 Wash. w/DR & CJRN on the air; CKLJ-1570 Man. during a rare CKLM SP; XEB-1050 during a rare WHN SP; KRLD-1080 Texas with WTIC on the air only 40 miles away. TA-wise, Berlin-1511 had it here through WNLG, only 15 miles away, on 1510. Also KRAD-1590 Minn. made it through the 1590 mess on their r/c. Before I close I must say thanks to all the TEST arrangers & encourage members to try to set up TESTS for this season. One more thought: Thanks, JOHN CALLARMAN, for the fine Log & thank you members for now swamping the Publications Center with inquiries about the unavoidable delay in the Log. Best wishes to everyone (especially active contributors) FOR A GREAT DX Season.

100 WATT CKYR-1450 HEARD ON A CRYSTAL SET

MIKE TUGGLE - 909 Moores Mill Road - Bel Air, Maryland - 21014 (From Bow Lake, Alta. 9/15/78)
Actually, I happened to be IN Jasper when I heard CKYR-1450, but did hear some other DX on the crystal set in my motel room using a 25' wire antenna & a gas line ground: KIRO-710 Seattle, KXLY-920 Spokane (Hardys, take note), CKLG-730 & CBU-690 Vancouver, CFAG, CFON, & CKL Calgary, and a bunch of UNIDs including an LPRT on 860 relaying CBC-740. I hope to ID some of these when I get back. No luck while in Denver, Calgary & Edmonton - all I got was locals in those places. 9/22/78, back in Bel Air
Picking up where I left off in my last use from the Canadian Rockies, a check of my Domestic Log Updaters indicates my UNID LPRT on 860 (r-CBX-740) must have been CBXJ Jasper, a local. The other two possibilities, Edson (85 miles) & Rainbow Lake (ca. 400 miles), 40w. each, were a bit hard to believe, since the station was heard in broad daylight. Other UNIDs heard in Jasper, now IDed, are CBR-1010 Calgary & CFUN-1410 Vancouver. Now, on to Bow Lake, which is in Banff N.P., NW of Lake Louise. Daytime & early evening were a bust - NOTHING was heard on the crystal set. I thought maybe it was a poor ground connection - I had to settle for a heating duct. But later on in the evening they started rolling in. In addition to the Calgary stations (110 miles) came KBOI-670 (560 miles), CBU-690 & CFUN-1410, Vancouver, KIRO-710 & KJR-950 Seattle, CHBC-1090 Lethbridge, KOFI-1180 Kalispell, Mont., CFRN-1260 Edmonton, & KGA-1510 Spokane. It sure makes me wish I'd had the chance to set up a REAL antenna-ground system, but unfortunately motels/hotels frown upon such. The thing that really struck me most about reception in the Rockies was the fading. Typically, a station would be booming in local-like, then within one or two seconds would completely fade out - I mean DEAD silence! After 10-20 seconds the station would reappear at full volume as quickly as it had faded - like someone was throwing the switch. I guess this was the effect of being surrounded by some really huge mountains. Sure sounded strange to this easterner's ears. 73s, all.

INVITES NRCers TO VISIT HIM IN SANTO DOMINGO

CESAR OBJIO - Calle Enrique Henriquez 69 - Santo Domingo, Dominican Republic
Hi, everybody. I have returned from the Atlanta Convention. I can say it was really fun. I have missed them since Miami 1972. I met old friends as ED KREWY and good old ERNIE COOPER, & met some new ones. I wish to express my sincere thanks to TED FLEISCHAKER for a wonderful ride and walk in downtown Atlanta, CHUCK HUTTON for repairing my R.F. Signal Generator, RON SCHATZ for arranging my Miami-Atlanta flight, etc. Best of everything was the auction, if you were not there you don't know what fun is. DXers are really a happy crowd. Thank you, gentlemen, for such a happy time. I had the opportunity to meet a Dominican lady & her Mexican husband who took me for a ride to the Stone Mountain. I met them through the courtesy of VERNON SHEARER. As I was asked by several members about me, I think an introduction is in order: I am 49, married, with a two year old daughter named Rosina, have been DXing since 1952 in SW but I am a member of NRC & an MW-er since 1966 introduced by JOHN CALLARMAN. I work as a secretary of Joyeria Capriles, a jewelry store in Santo Domingo, yes, the most important one in the country, hi, apart from the head office at El Conde Street 255 we have three other branch stores: one at the airport duty free zone, another one at the Santo Domingo Sheraton Hotel and the third one at Plaza Naco, residential section shopping center. If any of you come to Santo Domingo, please be free to call me to 687-5707, we have special discount for DXers, hi. Home telephone is 687-3597, area code is 809. I was also asked about the possibility of an NRC Convention in Santo Domingo, that is too difficult for the time being, but please come down to the Tropics next winter & you will DX with me at home and hear the whole Caribbean area. I hope to see you soon again. My congratulations to Ernie, I did not know about his birthday till I came back to Santo Domingo. I hope you will celebrate a lot more. (So do I, Cesar, hi! -ERC) 73 from the Dominican Republic.

RING OUT, WILD BELLS, FOR KRISTINE AND PETE! CONGRATULATIONS!

PETE TAYLOR - 2614 Jackson Street - San Francisco, California - 94115
While visiting in OJAI, Cal. I noted the new KMJJ-1140, ex-KLUC 9/12 @ 1:14am EDT w/Charlie Van Dyke promo & UN/LW PSA, mixed w/KRAX. Other than that, I'm getting married in November & will be honeymooning in New Zealand and/or Australia about the time the massive new frequency plan goes into effect. While I do have my fiancée Kristine trained to listen for domestic IDs while I'm brushing my teeth, I doubt if I'll be able to come back with a thorough spectrum analysis as I have tried to do in the past. I left KRQG after 8 years as GM & 15 years association & am doing broadcasting related consulting. Cheers!

In 1922 Atlanta and many other cities provided a "silent night" to allow local listeners to tune for distant stations. One night a week all local stations would sign off at 8:45pm. As selectivity in early receivers was very poor, the reception of a weak station close in frequency to a strong local was out of the question. Using a regenerative detector with one stage of audio (two tubes) some of my better catches at age twelve were WCCO Minneapolis; WEEI Boston; WQAM, Miami; P.W.X., Havana; 6KW, Tuinicucu, Cuba; KOA, Denver; KFI & KHJ, Los Angeles; KFON, Long Beach; KPO, San Francisco, & KGO, Oakland. Several magazines devoted exclusively to radio appeared on the newsstands. Both "Radio Broadcast" & "Radio News" were a boon to the DXer & experimenter. One of the few successful trans-Atlantic tests was set up and carried out by "Radio Broadcast" in the winter of 1923. The most sought after Europeans were ZLO, London, and FL (Eiffel Tower), Paris. The programming was all locally oriented. Area pianists, sopranos, guitarists, and glee clubs were eager to perform for free on this new medium. Stations were deluged with fan mail, and any telegrams that were received from distant listeners were acknowledged on the air as they were received. Each new issue of "Radio News" or "Radio Broadcast" would detail several new circuits for experimenters to try out in their receivers. Circuit types used in the early receivers were the reflex, super-regenerative, Reinhartz, t.r.f., autodyne, neutrodyne, and super-heterodyne, to name a few. In the early super-heterodyne the image frequency was not properly suppressed, causing the same station to be received at two different points on the dial. If a much-wanted DX station happened to be on or near the image frequency of some local, there was no chance of receiving the DX station in the clear. A directional loop antenna provided some help with the image problem, and RCA brought out a deluxe model superhet using six of the new low-drain UV199 tubes and having a grained-mahogany loop that fit on top of the receiver cabinet and could be rotated to null out a local. Almost all of the early receivers were DC-operated & required "B" batteries for the plate voltage and a six volt automobile-type storage "A" battery for heating the filaments. With each 201A tube consuming .24 amps of filament current, it was little wonder that the new UV199 tube was well received by experimenters as its filament required only .06 amps. This low filament drain made it possible to use ordinary dry cells for the "A" battery supply. It wasn't long before AC power packs called "battery eliminators" became available, although the heater type vacuum tube designed for A.C. on the filaments was still several years away.

DXers were experimenting constantly with new types of receiving antennas. These ranged anywhere from a short lead with battery clip attached to a bed spring or window screen to the more elaborate underground version in which 100 feet of wire supported by insulators at each end was drawn tight through the stretch of pipe. This subterranean antenna was reputed to provide "quieter reception" and tended to "filter out static." Looking back over my 55 years of DXing, it all seems like a delightful dream. I'm just sorry that my many young DX friends of today never had the chance to tune the uncluttered broadcast band of the 20's and to hear the "100 watters" of that era even better than we receive the 50kw. supers of today. And what a break for those early listeners - call letters & location after each musical selection and never a commercial!

NEXT WEEK: "DAY IS DONE, GONE THE SUN" by PETE KEPP.

AUSTRALIANS ARE ROLLING IN IN SANTA ROSA

HANK WILKINSON - 5028 Maiden Lane - Santa Rosa, California - 95405 9/20/78
I have put a lot of time at the dials from 8/23 to 9/18 in hopes of snagging a few new "Down-Unders" on some South Pacific openings. I have had some luck so far. 9/4- "R. Tahiti"-740, 4EH-890 & 2BY-660 were logged, & reports are out. 9/5- 2NR-700 & 2YC-660 heard at room level. 9/10- Fiji-891, Tarawa-844 & 2NR-700 were exceptionally good. 9/12- 5AN-890 & 4EH-880 were the best Aussies that AM and were good again on 9/13 with 4XK-840 doing as well. On 9/15- Two South Korean K.B.S. stations on 880 & 890k really opened in for about 40 minutes from 4:45 to 5:25am PST. (6:45-7:25 LT - ERG) ZLO-770 also was heard that AM. 9/17- Aussies on 840, 890, 700, 880, 660 & 4CL on 540 were heard quite well. Met one Asian station was heard that AM. DON REYNOLDS and his wife stopped by for a visit on 9/12. Now I know what a "R. Conakry" verie looks like! Best to everyone.

HAS HIS SIGHTS FIXED WESTWARD HO

TONY LAGATTUTA - Box 6291 - Portsmouth, Virginia - 23703
Greetings. Here is hoping that all who attended the Convention in Atlanta had a great time and one which will long be remembered. Much thanks to those who helped me ID the low frequency beacons and sent info concerning the Long Wave Club of America, of which I'm now also a member. All letters have been answered. Mutual concern as such is what makes for a great club! Having obtained my first class FCC 'phone license in June, I'm now working two evening per week in two-way radio, in addition to regular job, to obtain necessary experience to qualify for a job in Southern California. I hope to move to Los Angeles next year. Best of health, happiness, and good DXing.

HAS HAD A SPORTS-FILLED SUMMER

ERIC FADER - 23-35 Bell Boulevard - Bayside, New York - 11360
A re-intro from the Little Neck Bay DXer. Or, sometime DXer, hi. I'm 19, a Junior at Queens College (CUNY), majoring in Psychology, pre-law. I am also Associate Editor of the School Science Journal, and director of the "Commercial Broadcast Study Group" on campus. I am not affiliated with WJMC-590, carrier current. Summer activities were basketball & paddle sports, also bowling, ping-pong, pool, etc. I've been DXing since 1972 I think, and have been relatively inactive on BCS the last two years. Maybe some DX next time.

NEXT MUSINGS DEADLINE IS MONDAY, OCTOBER 23rd - AND THEN, OH HAPPY DAY - WE GO WEEKLY AGAIN!

ERNIE JOOPER - "THE CAPE TIP DXER" - 5 Anthony Street - Provincetown, Mass. - 02657 9/25/78
Correction from last issue, this begins my 33rd year as Musings Editor. I'd like to acknowledge fairly recent phone calls from NRCers BURTON ZACHS, JOE FELA, PAUL MOUNT, BILL COLEMAN, STAN MORSS, RAY ARRUDA, ROLLAND LINDELADE, & PETE SKINNER, and a swell visit from the same JOE FELA. The same old story, fellows - no veries, I'm still bogged down at 4,101. Back from the Convention, and back to the dials, beginning on 9/6 with good news - WCCB-1240 has dropped its AN-6 sked, which must have been "just for the tourists". I hope they enjoyed it, hi. But, bad news to go with it - WTOP-1500 is now AN-6, with its all-NX format. Odd whistle-like sound atop 1310 @ 2:38, it may be a het from somebody off frequency. That evening, I heard WIEG-1520 s/off @ 7:15 w/no SSB. Suggestion: When you send tips to RAY ARRUDA like s/off of daytimers, it'd be helpful to know what they s/off with, like the SSB, or Lord's Prayer, or nothing, or whatever. I mark my log suchly. WPP & WMLD, both 1570, both s/off @ 7:15 in Sept. w/no music. R. Vision Oriente-720, Maracaibo, in good circa 8pm. 9/7- R. Uno-540, Santo Domingo, s/off 12:59am w/NA. I heard the Venezuelan NA at 12:54am on 1380, I got there too late for a possible ID on this AU morn. UNID TT-990 1:27-2:03, and another on 1220 2:12-2:16 off. Unn WJOK-1260 was on top @ 2:11 w/c/w. At 7:12pm, on 1570, I heard WOL say, "When WJOK Radio goes off the air, the sun goes down!" They went off @ 7:14 w/no SSB. 9/9- Tuning around @ 6:40pm, I heard a Marc DeLorenzo on WKFD-1370 - is that our MARC DeLORENZO? SM 9/10- KRMG-740 @ 2:01am w/delayed sports broadcast. WwVA-1170 was noted off @ 2:40, but back on RS by 3:15. MM 9/11- Unn WCAZ-990 r/c-TT in well @ 1:17. WDRE-1500 heard ETAG @ 1:53, & WJIT-1480 @ 2:18. I noted the Cuban from 880kHz a little high - they, not me, hi, on about 883. Unn WCIN-1480 on ET @ 2:19 u/WJIT. WJAR-920 was ANing this MM, are they NSP now, CRAIG HEALY? I heard WPOP-1410 with an old Larry King Show, even including BB scores of about 12 days previous - that's "in the public interest, convenience, & necessity?" 9/13- TT-920 u/WJAR @ 2:07+, & an OC "jumping" WCKY-1530. Something very weak on 1195a 2:19. 9/15- TTer on 900 1:27-2:31, & then gone. Oratorio mx on 860 to end @ 2:28, then SS announcement, but ID not caught, likely XEUN. SM 9/17- WRAN-790 had Larry King today. He's developing quite a network! The N.Y. Niwits on 1625a again this AM w/WPAT calls. WVA was off around 2:26 again this AM, second SM in a row for this. MM 9/18- No sign of WSUM-1000-TEST, but I did hear all about the Camp David Conference so the time was not wasted, thanks to WCFL. UNID TT on 990 @ 1:47, did WSUM move over to clear WCFL, hi? WVIC-1080 was ON this third MM (but were off on MM 9/25). Belize-834 AN with threat of a hurricane. 9/19- Brand new WZDZ-1560 (not WZDZ as listed in New NRC Log) on ET/mx 1:20-2:45am. C U N 14.



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MONDAYS	4.00 to 5.00 p.m.	SATURDAYS	7.00 to 8.00 p.m.
Monday, Wednesday and Friday, 7.00 to 7.15 a.m. and 7.45 to 8.00 a.m., Physical Exercises.		SUNDAYS	3.00 to 4.30 p.m.
12.00 noon - Time signals daily, except Saturday and Sunday.			

A line from you as to how our Concerts are received will be greatly appreciated.

Yours truly,
A. P. BOWELLS, Broadcast Manager C-K-C-L

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Mark Strickert
From Chicago Sun-Times

**WIND to adopt all-news,
talk format in September**

WIND, the Westinghouse Broadcasting station in Chicago, will adopt an all news and talk format, sometime in September, station officials announced Monday.

"We think this is the direction radio is going," said Robert Emery, the station's general manager. WIND, 560-AM, has been broadcasting news, music and some talk.

During the morning and evening rush hours, WIND will broadcast news and sports. The talk format will be used during the rest of the programming day.

Among the personalities retained are Dave Baum, Clark Weber and Eddie Schwartz. Others, including newsmen, are expected to be added.

(above) Ken Onyschuck

the kyok radio building, 3001 labranch, houston, texas 77004

Definitely required for TXM work, in lieu of a computer, is a world globe, preferably a Replogle (brand) 12"-diameter model with longitudes marked off every 15°. Prices run about \$20 in good stationery, school, and office supply stores. Also have on hand some frictionless string or chord no less than 30 cm. in length. Also some clothing elastic (basically, a long rubber band sheathed in white cloth), available in any dry-goods store.

Our tentative outline for future TXM articles is as follows:

- II. Tracking the Terminator - how to use a globe, string, and "W" graph to accurately determine the times of ISR and/or ISS at any point on earth at any hour of the year - or to determine where LSR and/or ISS are occurring at any given time (Sunrise/sunset maps are far too inaccurate for TXM work).
- III. The Theory Behind TXM - diffusive ionospheric reflection, the way sky-wave propagation really works.
- IV. TXM "E" Calculations - how to calculate temporal parameters Es, Pe, and Er.
- V. TXM "F2" Calculations - how to calculate temporal parameters Fs, Ff, and Fr, for those occasions when F2 skip is present.
- VI. Calculating RANGE with TXM - how to use a chart recorder and balanced loop antenna to pinpoint an unknown station's location quite accurately in range and bearing.
- VII. TXM and Cyclic Fading - the theories behind long-term trans-nocturnal fading and the possibilities of using TXM to predict when they will occur.
- VIII. TXM in Perspective - fine points in the use of TXM; horizon blockage, polar transits, and other extraordinary situations; TXM vs. E20; the midnight "meteoric rise"; other points of discussion not covered previously. Appendix of TXM "flat earth" equations and calculations.

-30-

ANARC CONVENTION REPORT

Ken Chatterton

The Association of North American Radio Clubs (ANARC) held their annual convention in Montreal in mid-July. ANARC '78 was hosted by Ian McFarland of Radio Canada International. Of ANARC's 19 full member clubs, by my count (unofficial), 16 were represented at at least part of the business sessions. Member clubs include two medium wave clubs (NRC & IRCA), one FM/TV, one covering public service bands with the rest covering shortwave either exclusively or primarily. ANARC member clubs total 6,000 members with SPEEDX totaling 1600 members and NASWA 900 or vice versa. NRC membership is 760.

Observers were present from foreign broadcasters representing Radio Spain International, Radio Sweden and Jamaica. The Voice of America was represented and an interesting talk and discussion on the operations, purposes and goals of the US Information Agency (which operates the VOA) was held.

Approximately 120 DXers were present during the convention which was held at the Maison de Radio Canada (Home of Radio Canada). This one building houses all the operations of the French AM & FM domestic networks, the French TV net, the international shortwave operations and the domestic northern and armed forces shortwave services. The Montreal English CBC headquarters in here also.

A highlight of convention was selection of International and Domestic DXers of the Year:

Nominees for International DXer of the Year:

Arne Skoog - Sweden (Winner)
Isao Ugasa - Japan
Rudy Espinal - Dominican Republic
Victor Goonataliki - Sri Lanka
Bill Reed - England

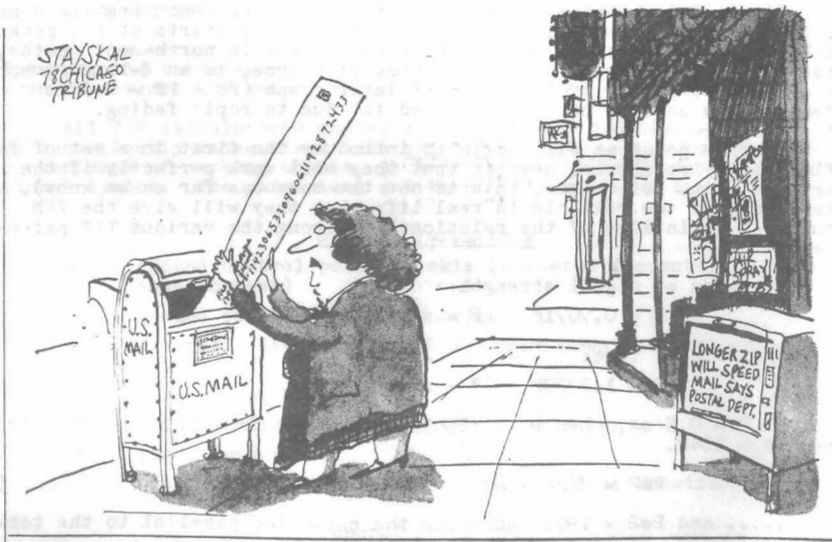
Nominees for Domestic DXer of the Year:

Ian McFarland (Winner)
Mark Connelly (NRC)
Pitt McNeill (NRC)
Harold Sellars
Robert Zilmer
"Grandma" Green

Mr. Mizell of the NOAA gave an interesting talk on the sunspot situation. The rising sunspot count is expected to go as high as 120, possibly even to 220. This will have wide-spread effect on broadcasting on all frequencies. I had the good fortune to share breakfast with Mr. Mizell and got much more info regarding medium wave at that time. His feelings are that medium wave reception will be "strange", not necessarily bad. Daytime reception over longer distances than normal may be heard, while night time DX may be poorer than normal. He feels that medium wave DX will still be there, but very unpredictable as to when with the unexpected possibly being the norm. An interesting statistic he mentioned was that a 500 kw transmitter at medium wave frequencies will heat the ionosphere at its location by as much as 20° F and is capable of causing a slight glow in the sky near the transmitter site. Thus very powerful stations are capable of causing ionospheric changes that can affect all radio waves in their vicinity, perhaps a good argument against super power for the US clear channel stations.

Committee Reports: The QSL Committee contacted 13 non-verifiers (all SW) in an attempt to persuade them to verify. Results were roughly 50/50. Public Relations Committee to issue a directory of DX Clubs. Jeff White is new Chairman. International Broadcast Year Committee reported on efforts to better relations between listeners and the stations. Frequency Recommendation Committee dealt exclusively with foreign shortwave broadcasters beaming to North America in English. Roger Legge reported on the latest hearings held by the FCC preparing for the WARC '79 Conference. The only proposals relating to medium wave is a preliminary proposal to extend the broadcast band from 1600 to 1800 kHz, with this part to be shared with those beacons presently operating in that band. For the purpose of these hearings, the only hobby organizations being recognized by the FCC are ANARC and the American Radio Relay League.

In his report, Dave Browne, ANARC Executive Secretary stressed the growth of ANARC from 6 to 19 full members and a corresponding increase in work-load. He feels that the work-load must be split up with perhaps separate offices of Newsletter Publisher and Exec. Secretary. There will be more on this in the ANARC Newsletter.



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