AS 1979 ENDS....

This is the last DX News of the decade. It has been a period of change and growth for NRC. As the '80's begin, we feel a need to pause to look back and to look ahead. Over the last ten years we've gained nearly 300 members. The work has also grown.

The one facet of NRC which makes it stand out is the willingness of many volunteers to enthusiastically give of their time for the benefit of all. In the last decade various individuals have served NRC and their efforts have enhanced the stability of this fine club. It was not all that long ago that the annual budget was under $2000 and just a very few members could run NRC. Today the budget is over $20,000 and, of necessity, the work must be shared by many volunteers. We in Louisville would like to use this opportunity to publicly thank those who do the work. Some of these members work quietly every day and without much recognition. A tip of the hat to:

Ray Arruda - DDXD Editor
John D. Bowker - AM Switch Editor
Wes Boyd - Pattern Book
John Callarman - NRC Log
Ken Chatterton - Booklet Publications
John Clements - Q&A Editor
Ernie Cooper - Musings Editor
Carl Dabelstein - NRC BOD
Frank Dalley - Publications Officer
Russ Edmunds - DXChange Editor, Publications Updating

This list is hardly all inclusive. For example special thanks should be given to Jerry Starr, our past CPC Chairman and to Lou and Ann Buehler, whose tireless efforts made the St. Louis Convention a great success.

As for the future, we here in Louisville feel confident that the same spirit of caring will continue. Publishing duties will someday be passed on to yet another group. New editors will come forward. NRC will continue in good hands.

Our hobby will continue to change as technology and international agreements have their effect. It will be a challenge to us all—an exciting challenge. As we look forward to a new year, a new decade and NRC's 50th anniversary in September, 1983, we in Louisville extend our best wishes to all.

Happy New Year

STATIC FROM HQ is found on page 14.
CPC TESTS and THEY JOINED are on page 22.

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

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

A few reminders: Deadlines are Saturday and use E/LT. Please try to include time and date with each item. This is something of us forget from time to time, myself included. Use one side of paper only. Once again we have a lengthy list of Sunset loggings.

DX TESTS

KSRA - Heard sweep tones only. (JDB-OH)
WVLG - Heard by AR-PQ, JDB-OH, RA-MA. Not heard by KO-IL.
CTY - Not heard by GL-MN, KO-IL, LHV-TN.
Kegg - Heard by ERS-NJ, RA-MA one hour later than listed in DXN.

DX DIGEST

FREQUENCY CHECKS

e 0400.

KEGG - Heard by ERS-NJ, RA-MA one hour later than listed in DXN.

SPECIAL

530 KUFF07DG WASHINGTON - 11/28 1955 TIS w/ Harbor Police info, noted on air 11/28 & 11/29 then off ever since, xint & reception time. (WPT-DC)
740 KHAD NM WELLSBAD - 11/29 1947 fair w/off, this makes their noted 0800-LSS, put this in your logs. (RK-IL)
920 WIRD NY LAKE PLACID - 11/26 2330 on ET o/4 GCT probably getting set to go fulltime for Olympics. (DA-NN)
950 WWNY NY HYDE PARK - 11/16 0850 using new call, EX-WHFM w/"JW1" IDs, tele-talk format. (GM-NN)
1030 KOTA TX CONROE CHRISTI - 12/1 0115-0118 w/TC/ID/CWVX nx "routine XR test of main XR." (LHV-TN)
1190 KRZJ KS BRLOCK - a new station on the air, noted on air 11/24 & daily since. Addr: E. Highway 24, Beloit, K5. (NK-NZ)
1440 WNYG NY BABYLON - is now all Oldies w/"34 Gold" IDs. (GM-NY)
1590 WNTS IN BEACH GROVE - CP is on, 12/1 0020 good w/REL...there goes 1500, w/WARK East & then South. (RK-IL)
1610 KMBWIL IL CHICAGO - w/repetitious tape on winter driving safety Time? Date? (RL-IL)
UNID -------- - TIS w/winter driving precautions, location unknown. (JDB-OH) See above. (RA-MA)
1611 RAC -------- - Beacon, location unknown. (JDB-OH) No time & date on these last three items. (RA-MA)

MIDWAY TO MIDNIGHT

540 KWRT IA FT. DODGE - 11/16 1728 fair w/ads, WKRC splatter, faded before s/off. (LG-KY) 11/24 1736 good & LSS w/Local ads. (DI-IL)
WARO PA CANNONSBURG - 11/28 1644 good & s/off w/SBB. (DA-NY)
WRTC VA RICHARDS - 11/27 1715 xint & s/off w/SBB. (DA-NY)
CGB MN GRAND FALLS - 11/27 1230 o/4 CBF, 5th domestic on 560 this eve! (DA-NY)
550 WSWA VA HARRISONBURG - 11/28 1700 good to power change, then gone. (DA-NY)
WKRC OH CINCINNATI - 11/27 1706 o/WGR before Cincinnati 35. (DA-NY)

ROBERT K. ROBERTSON
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998-3958 (617)

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950 WCTA GA SOMERVILLE - 11/21 1707 weak in WWJ null w/WKAZ w/super-marathon, state & local nx. (JF-UW)
KOEL IA OSSEO- Minn. - 11/26 1730-1739 strong o/WWJ w/spot for Olney Drug, then local nx. (JF-UW)
WKTS WQ SHEBOYGAN - 11/26 1650-1700 fair in partial WWJ null w/PSA, into Outdoor Program w/Boze Raymer. (JF-UW)
KJXJ AR FORREST CITY - 11/30 1758 fair e/s/off, no sign of WSFA

970 WRRH AL HAMILTON - 11/17 1727 w/ID, TX, ID, local promo, APN N. (LVH)
WVQP GA VICALIA - 11/21 1656 caught weak ID in mess. (JF-UW)
UNID ---

990 WRRH AL HAMILTON - 12/3 1710-1715 fair o/WWJ w/spot for Olney Drug, then local nx. (JF-UW)

1030 KXMS WQ CASCAP - 11/22 1615 w/ID way o/WJB. (DF-IL)
1050 KZSB MN MARIGEO - 11/21 2350 strong in WWJ null w/ID for just a moment per Mark Strickert tip. (DF-IL)
WCRI AS SOUTHPO - 11/30 1706 strong w/Spot-Shop store spot

WHN NY NEW YORK - 11/27 2250 w/ad, then Dolly Parton LP. (EM-FL)
CHUM ON TORONTO - 11/27 2250 weak in XOLN N/w/ID

WMSG MD OAKLAND - 12/1 1700 popped up w/ID then s/off, may have been running C&W female, nx, may have been "Seekin' for the mtng, top."

WXSY SC CONWAY - 12/1 1713 s/off in clear, C&W instrumental mx. (DS)

W6Z IL DECATUR - 11/20 1650-1700 fair o/CHUW w/ID on WGEW

1100 WKGA WI TALLAPOOSA - 11/26 1740-1745 fair in KYW null w/WNGS w/ID, mx to detailed o/ID. (JF-UW)

1120 WANN FL TALLAHASSEE - 11/24 w/FS ID, (GM-FL)

1160 WEPK KY PITTSBURGH - 11/15 1649 w/local WTIC w/content promo, ID.

WJKJ KY LOUISVILLE - 11/18 1702 strong in WTIC null w/IPA, IDs, ex-WLKO. (DF-IL)

1180 WKGX NC LENOIR - 11/25 1652 fair in WTIC null, heard every day since.

KNDJ NK LINCOLN - 11/3 2340 format w/Casey Kasem promo for Air Force, looping HW/SE in KAAZ null & fade, WWNE

1190 WPXJ TN WATERLOO - 11/17 1750 weak w/KA9A w/s/off w/mens. of Northwestern U. (DF-IL)

1210 XSLI IL DEPTFORD - 11/26 1645 w/ID, (DA-IL)

1240 WQZI MN MINNEAPOLIS - 11/28 1605-1615 very poor, very rare here w/ID, sports, wx, C&W mx, (MM-FL)

1245 WIXC TN CARTHAGE - 11/26 1745 null, x/o WWVA, TN & AL nx, wx. (DA)

1250 KS00 SD SIOUX FALLS - 11/26 1757 tentative w/spot & cold wx report surface until after briefly. (DF-IL)

1290 WBDU IN FT. PAYNE - 11/26 1650 fair w/WEDC slop w/ID. (RK-IL)

1300 WRRH AL HAMILTON - 11/28 1700 atop after WEEL s/off w/3x/ID then nx. (DF-IL)

1320 WZOB FL ALF. PAYNE - 12/5 1650 fair w/WWCB s/off w/ID. (RS-IL)

1340 WDKX TN DICKSON - 11/14 1745 good w/WWCB w/s/off w/no SSB. (DA-IL)

1360 WLA AR RAY angeles - 12/1 1630 this is usually equal w/WWBB but here even the total 10 mi. away. (DF-DE)

1370 WILR TN KINGTON - 11/14 1748 good, frequently heard at SSB. (DA-IL)

1390 WUKC IL EASTPEO - 11/29 1700 high w/ID, mx to detailed o/ID. (DF-DE)

1410 WXXL FL JACKSONVILLE - 11/22 1730 strong w/full off. (EM-FL)

1430 WPWS VA COLONIAL HEIGHTS-PETERSBURG - 11/29 1640 fair/poor w/local and promos. (EM-FL)

1450 WPGF PA ALTOONA - 11/30 1653 weak but clear w/KDMS w/ID, (SE-PA)

1470 WATO TN OAK RIDGE - 12/5 2106 wx, ID, then s/off, nice signal for radio on way home from work, KY #53. (CO-IL)

1500 WTKY KY LEXINGTON - 11/2 1720 fair surfaceing briefly during spots, then quick fade. (WL-IL)

1520 WZQG AL FREMONT - 11/26 1705 w/ID, mx to detailed w/spot, SSB. (DF-IL)

1540 WJAN AR MARION - 11/25 1748 strong w/SQA w/SSB. (SE-PA)

1560 WIFE IN INDIANAPOLIS - 11/26 2000 good w/ID, mx, (DF-IL)

1580 WPLK AR LITTLE ROCK - 11/26 1705
good w/community & church anncmts. (MM-IL)

1600 WCVY VT HARPERSFIELD - 12/1 1612 good w/ID by DJ who also listened of upcoming s/off. (DF-CT)

1620 WTSG KY CORYDON - 11/2 1700-1700 good w/spot, promos, SQA's. (WL-IL)

1640 WFBF AL SYLACAUGA - 11/29 fair/good @ 1900 w/ID then spot giving names of sponsors of Alabama BKB on WFBF. (SE-PA)

1660 WRKX MA AMHERST - 11/30 2305 fair/poor w/local and promos, ID & wx. (DF-CT)

1680 WPTJ VT ST. JOWBSBURG - 12/1 1605 good w/end of CSS NIX, ID as "The all new sound of St. Johnbury, WPTJ." (DF-CT)

1700 XKCL IL PEARL - 11/4 2026 fair w/ads in WLSR slop. (LG-KY)

1720 WSLL OH AKRON - 11/22 1745 in briefly w/CW mx, ID. (EM-FL)

1740 WCBA NY BURLINGTON - 12/5 1730 loud in WNY null w/AT-40 show, break for ID, Net Fx. (DF-CT)

1760 KCMN ON OSHAWA - 12/2 1605 loud w/wx, ID. (DF-CT)

1780 KGAI OH CINCINNATI - 11/28 1720 noted w/ChDisappearers spot, rare & this hour anymore. (DF-DE)

1800 WNAH TN NASHVILLE - 11/27 1720 fair briefly w/end of GUS pgm, ID & s/off. (SE-PA)

1820 KBBJ MN BEMIDJI - 11/30 1743 fair w/prono. (RK-IL)
DAYTON - 12/3 0142 fair/good w/C&W mx, ID, talk. (DG-CT)

WASHINGTON - 12/3 0240 fair w/ET/C&W mx, ID, talk. (PC-DC)

PROVIDENCE - 12/3 0600 fair w/ID, mx, C&W. (RI-MA)

NEW YORK - noted off 12/1 12/3 & 12/10 leaving CFBR/KLRA. (RA)

PHILADELPHIA - 12/1 0335 noted off leaving a loud WNYE. (DA-NY)

CORNER BROOK - 12/1 0245 fair w/ID, mx, ID, talk. (NL-IL)

MONTREAL - 12/1 0200 fair w/ID & mx, ET, phone calls, even collect, from out of state. (NL-IL)

BURLINGTON - 12/1 0700 good w/mx, ID. (RI-MA)

CARTERSVILLE - 12/1 0815 fair w/ID & C&W mx, ID, talk. (GA-IL)

HAMILTON - 11/5 0945 noted on ET/OC/mx, IDs. (DA-MA)

BELMONT - 11/29 0409-0430 SID's & wx, ID, C&W mx, ET. (NY-MI)

READING - 12/1 0417 wx by sexy female anncr, ID, C&W mx. (LVH)

NEW YORK - noted off KMs 12/1 0500-0530. (EM-FL)

DAYTON - 11/22 0133 Presumed weak rr u/KXEL 11/22. (DR-CT)

FAIRWAY - 11/15 fadey w/spots, promos. (MW-IL)

ELLIOT LAKE - 12/1 0135 noted off leaving a loud WNOE. (LVH)

HAMILTON - 12/1 w/T40 mx, talk, sounding like Powerline Program after WCJW w/off, (NY-MA)

ST. PAUL - 12/1 0400 w/ID, mx, talk, taking record requests by phone, then back into GY mess. (NY-MI)

HOPEWELL - 11/28 0125 ET W/GOS mx, IDs. (EM-FL)

HAMILTON - 11/29 0400 good w/ID, mx, ET. (NY-MI)

CHAGUAC! - 11/3 0710 note a top notch medium-wave (BCB) DXer. The book contains many tips for every ardent DXer's library. The entire text, layout, illustrations and printing of this book are excellent. The book is divided into two parts.

Part I consists of the story of the development of broadcasting and of receivers and an autobiography of Arthur -both his DXing and then the advent of his blindness and the roll DXing has played to help support his wife, Ralda, and himself.

Part II is devoted to specifics of the hobby itself. There are many that will be useful, even to the top DXer, as well as to the beginner.

Although Arthur is best known for his shortwave DXing abilities, he is also a top notch medium-wave (BCB) DXer. The book contains many tips for all of us that specialize in BCB DXing. One other comment. Arthur writes from the viewpoint of the New Zealand DXer and his examples and illustrations are of particular interest to anyone DXing from the Pacific Rim (such as West Coast U.S. DXers). I feel that the illustrations, in themselves, are well worth the price of the book. Sets off to whoever selected them.

Arthur wrote me that copies of "The World In My Ears" are now available from Gilster Associates, Inc., P.O. Box 259, Park Ridge, NJ 07656. The soft-cover edition was to sell for $11.95.
"Nos estamos recibidos por preferencia, no por casualidad"

51+1 COSTA RICA TISBJ San Jose floating around here (51.3). 11/28, 505/0 1730. Noted Q55 w/sewed ballad-like mx and "Libertad" spoken by male atop songs. (Thomas)

59 ALGERIA Oran fair w/man in AA, bits of mx interspersed; heard 12/1/06 12/L. (Connelly)

55 CURA Piner del Rio R. Rebelde 11/14, 0055 w/R. Rebelde ID. Bahana mentioned by female announcer then K5D faded up. (Van Horn)

57 COSTA RICA TIRN San Jose w/male announcer giving ID and what appeared to be mx (rusty espanol) 12/1 at 0300. (Van Horn)

59 CURA CMW noted off the air 12/9 evening and all 12/10 day while on the Gulf coast of Florida. (Hutton)

61 MAROCO Sebaa-Abloun poor to fair w/AA mx 0332 12/2. (Connelly)

62 12/9 @ 2220; AA chorus and talk; 72 dB/noise; then reported "looped N/S so possibly a domestic."

63 CANARY ISLANDS Tenerife; 12/2 @ 2225; SS male announcier, Iberian mx 7777 Hz (70 dB/o/noise) and also /659 (76 dB/o/noise). Only 2 or 3 birds heard in the same time. Just a bit of SS slipping through occasionally 0702 12/11. (CH)

63 NORMAN Smoela 11/26 1732, likely source of mx/w/talk in unid language, fair sig. (Vernon)

65 GUADALUPE Armouville good w/male PF vocal; GEN looped 0112 on 12/L. (Vernon)

67 DOMINIC REPUBLIC Santo Domingo HIAT good w/Barry White record, R. Universal were heard, then SS vocal 0132 12/.2. (Connelly)

68 EL SALVADOR YSS R. Nacional de El Salvador 0330 12/2 w/lookalike announcers/SS announcer and Spanish pop mx. (Smith)

72 USS Marine 1008, 12/21 heard two males w/story or narrative, heard again 1733 w/piano mx. Xint sig. (Vernon)

63.4 UNID apparently Gene Martin's DX, which was still here. Noted WHOA 11/26 (carrier only) on a night when WA and CA ox were poor, but TA's were a little better than usual, suggesting perhaps a TA on channel 98 not deep SA QRB (Thomas). I don't really agree with TA's and deep SA's. One night last season I listened to this until late in the morning, indicating a location somewhere in northwest 3A. (Connelly)

66 USS Villains (CB) 12/1 1625 probable class of Mexican (Vernon)

67 CURA CMKF San Pedro de Caracoum 11/14, 0625 w/Frogreaux ppe // 590, finally got WMAQ nailed enough for WMAI signal. (Connelly)

69 ENGLAND Orkney Radio Two 12/10 & 0137 steady dance mx // 1903 Britwolf Radio One. Both louder than 60 dB/o/noise. Surprised at combined nets. (Bailey)

70 DOMINIC REPUBLIC HIAT Carollinian 12/2, then SS with "local ID" and several "local" mentions of Call, Colombia and several ss/BB. (Connelly)

71 Radio Satetana ID's 11/14 0516. (Van Horn)

74 FRANCE Paris 0315 w/body of male announcer in AE 0315 WJ at 720 bet 2213 12/3. (Con)

74 ALASKA Anchorage 11/19 1105 seems to be regular Monday morning "off time new. (Vernon)

75 SANTORINO/UNID Caracas YV3K loud w/disco, killing W5B; second LA c/o WBY VVX3 null 0510 12/2. (Connelly)

75 HISPANICO Líbano very good w/mx 0510 12/2 and 2240 12/3. (Con)

76 DOMINIC REPUBLIC HIP Santo Domingo good w/480 KBS radio theme beginning with "wonderful time", heard w/Jacksons record, then LV de Barranquilla and RCN ID's 0352 12/2. (Connelly)

76.4 UNID HJRAJ noted back off frequency 0311*0, noted a signal that had mis-guessed this as being a Cuban originally and attempted to correct my error (by phone), but column had already gone to press. (Van Horn)

77 DOMINIC REPUBLIC HIP Santo Domingo good w/roman catholic religious. (Smith) TON 0127 11/1*.

78 NOURWAY Smoela 12/19 0928, yet to hear anything better than "Palor" in SS. (Connelly)

78 PORTUGAL Norte x/1nt w/PP talk way o/weak net 221. (Smith)

78 COLOMBIA HJAJ Barranquilla w/AA channel 0840, no ID. (Van Horn)

78 DOMINIC REPUBLIC HIP Santo Domingo good w/female vocal on music channel NSG, Rome & aural clues suggest that WMA is the only fulltime EE station in Puerto Rico, instrumental music by Moody Blues records was used as background during the "morning time" between 1510-1600 (Connelly)

79 DOMINIC REPUBLIC HIP Santo Domingo good w/WLS nulled; romantic mx good w/male announcier and female singer. (Vernon)

79 DOMINIC REPUBLIC HIP Santo Domingo good w/women's chorus w/rhythmic dance mx. XFJC/TON? Old commercials (different male) between 1200-1300. (Con)
1211 1031 COLOMBIA HJAT Barranquilla booming in w/R. Reloj ID's on 1100 ID "You're listening to the sound of the islands, w/22-20 Mexico.

1100 1100 AUSTRALIA 2NZ Inverell 11/19 1058 religious pgm, priest seemed 11/19 1050, 11/16 231 HAITI 1130 COLOMBIA HJAC Barranquilla loud w/Emissor Rio-Mar and Barranquilla ID's

12/2 0755 COLOMBIA HJCN Bogota 12/2 0755

12/2 0755 PORTUGAL Norte fair w/cl mx through KYW slop +6 1

1001 1001 Mackay net nx to many spots, 1026 AUSTRALIA 1103, 0050 12/1*.

1197 AUSTRALIA +GG Southport AUSTRALIA 3KZ Melbourne 11/19 3KZ*3 male w/TC and

11/25 2231* UNID many spots between rr mx, opera type mx noted later. 11/25 1621 POLAND Lodz et al 11/25 soft vocal mx. (Vernon)

1206 1206 AUSTRALIA 2GF Grafton 1215

1209 CUBA CMKD Reloj Nacional w/usual Reloj stuff, UCAU nulled 1206 UNID probably France, carrier in NCAU slop and looped Cuba-ish. 1221* UNID 1221*. Many spots between rr mx, opera type mx noted later. 11/25 1621 POLAND Lodz et al 11/25 soft vocal mx. (Vernon)

11/26 1723 soft vocal mx. (Vernon)

11/26 1723 unexcited trading Deutsche Welle, ID, also male joined here w/many mentions of Hamburg (Vernon) 12/1* was a great TA night-Malta was the position for best recovery. Faded by 01*26, 12/1* noted ear-splitting level. I'm curious to know whether anyone out west was listening for that position when you were that warm was the last time you weren't in that position when you were that warm was the last time you weren't in that position when you were that warm was the last time you weren't in that.
STATIC FROM HQ

No, the Publications/Reprint List last time was not an unannounced brain teaser type contest and the young lady who put the pages in "order" at the printer was not under the influence of holiday cheer. They just got in a hurry at the printer and my instructions were not too clear. We figure you folks are pretty sharp and can figure out what is what. One error, the NRC Domestic log or $6.50 worth of any reprints.

Congratulations Rick, for your fine effort. You have the right to claim either an NRC Domestic log or $6.50 worth of any reprints.

Well that's how each of you fared against each other in the 2nd Contest. But, honors this time go to none other than the man on top, Rick Kenneally. He edges out our Last Contest's winner Robert Kramer by a meager but important 6 stations. Congratulations Rick, for your fine effort. You have the right to claim either an NRC Domestic log or $6.50 worth of any reprints.

CONTEST 3: STATIONS WITH CALL-LETTERS THAT ARE RELATED TO THEIR LOCATIONS IN SOME OBVIOUS WAY ONLY.

          WLAN Laurel, Ms.
          KALV Alva, Okla.
          WEIR Walton, W. Va.
          WSTT St. Paul, Minn.
          WLWA Logan, Ohio.

Include only stations with call-letters that can be recognized immediately as relating to their location.

Winner is determined by who can hear the most stations under the aforementioned conditions.


DEADLINE FOR YOU TO SEND ME YOUR ENTRIES: Jan. 19, 1980

If you do not receive your DX News in time to begin the Contest an Dec. 30, simply begin it the day after you do receive your DX News and participate in the Contest for 8 days after that.

For this Contest just list your stations in the following fashion:

STATION LOCATION DATE TIME

KFRB Fairbanks, Alaska 1/1 0000

The prize for the winner of this Contest will be $5.00 worth of reprints of the winner's choice.

With the passing of Contest 2, this is how the race for the Grand Prize shapes up among our top contenders:

1. Robert Kramer 17
2. Rick Kenneally 10
3. Rick A. Carr 7
Remember, to win that free subscription to DX News your participation in EVERY Contest is of the utmost importance. Perseverance and effort is the name of the game. Hope to see more of you in the next Contest. Don't delay, the more you wait the harder you're making it for yourself to win the Grand Prize. With that in mind, I hope you enjoy Contest 2 and do well. For members participating for the first time, please enclose $3 with your first entry. This act as your entry fee and entitles you to a Certificate of Appreciation. By the way, for those who did not receive their Certificate of Appreciation for their participation in last year's Contests, please be patient, they're on their way. I am sincerely sorry for the delay.

Hope you got what you wanted for XMAS, and have a good New Year's. And above all, DON'T FORGET THE CONTEST!

John

FCC NEWS RELEASE

Report No. 15384 ACTION IN DOCKET CASE December 12, 1979 - BC

FCC VOTES TO RECOMMEND 9 KHz CHANNEL SPACING FOR AM RADIO BAND

At the conclusion of a closed meeting today the Commission voted to recommend that the United States propose a reduction in channel spacing from 10 kHz to 9 kHz in the AM broadcast band.

If approved by the State Department, this proposal will be made to the other nations of the Western Hemisphere at the Region 2 Administrative Radio Conference in Buenos Aires, Argentina, in March 1980.

FCC rules currently specify that AM broadcast stations operate on the 107 channels spaced at 10 kHz intervals from 540 kHz to 1600 kHz. Approximately 2,250 fulltime stations have been assigned to those channels. A reduction in channel spacing to 9 kHz would increase the total number of channels from 107 to 119 and permit the authorization of an additional 200 to 1,400 fulltime stations depending on the action of the Conference and assignments by the Commission.

The potential benefits of this increase include more fulltime local service, more diverse media ownership and more choice in programs for U.S. listeners. It also raises the potential for expansion of the present system of noncommercial educational stations.

The decision to recommend 9 kHz channel spacing will be incorporated in a Commission Report on Region 2 proposals to be issued this month. A complete report on the Notice of Inquiry on 9 kHz spacing (BC Docket No. 79-164, adopted June 21, 1979) will be released after the March session of the Region 2 Administrative Radio Conference.

Action by the Commission December 12, 1979. Commissioners Ferris (Chairman), Fogarty, Brown and Jones, with Commissioners Lee not participating, and Commissioners Quello and Washburn concurring in the result and Commissioner Quello issuing a statement in which Commissioner Washburn joins.

CONCURRING STATEMENT OF FCC COMMISSIONER JAMES H. QUELLO IN WHICH COMMISSIONER ABBOTT WASHBURN JOINS

I rather reluctantly concur in our majority vote for reducing the spacing in the AM broadcast service because of the inconclusive showing made on our current record. I have a nagging concern that we might be proposing a course of action which could be counterproductive in terms of overall service to the public.

First, the tests and measurements conducted by NTIA and three of our licensees demonstrate that theoretical projections and practical results quite often differ. The fact is that none of the three stations was able to operate within required parameters after shifting frequency. Despite speculation by the staff that, in one case, "...an engineering study to optimize the parameters would probably correct this problem..." I would prefer greater assurance that we are proceeding with appropriate caution.

Second, I don't believe that the potential impact upon AM stereo has been fully assessed. The task force generally has recognized that it might be necessary to restrict the bandwidth of emissions to 5 kHz "...or some other suitable value..." to avoid unacceptable adjacent channel interference. While it is still possible to have stereo under restricted bandwidth conditions, without adequate audio fidelity it questions its public appeal. With regard to the argument that AM is generally "receiver-limited" in audio quality at the present time, I suspect that any such limitation is largely the result of the many small and inexpensive "pocket" receivers now in use. AM stereo, of course, would be expected to find the bulk of its appeal among the mobile audience and automobile receivers are generally far superior in quality to many of the "pocket" variety. It must also be remembered that AM stereo will have to compete, at least to some extent, with FM stereo which is generally regarded as being of high quality.

I am also very concerned that our proposal will raise unrealistic expectations among potential beneficiaries. In presenting three alternative plans for implementing a 9 kHz spacing plan, the task force acknowledges that their estimates of the number of new stations to be gained are subject to error. In making its recommendations to the Commission, the task force noted: "The alternative plans assume the United States can assign fulltime stations on all the channels created by reduced spacing. This assumption may not be realistic." The fact that Canada, Mexico and Cuba are likely to insist upon sharing some of these new frequencies, at least in border areas, assures us that we will not be able to use all of the frequencies. Beyond that, such matters as demographics and economics must be considered before any viable assignments are made.

Finally, while reduction in spacing is being advanced as a boon to minority entrepreneurs, the comments — or lack thereof — from minority individuals and organizations would seem to indicate that they don't welcome this proposal with great enthusiasm.

Despite my misgivings, however, I believe all possibilities should be further constructively considered. It is possible these insufficiently addressed questions may eventually be answered favorably and that the facts may then lead to the conclusion that 9 kHz spacing will produce some of the anticipated benefits. I support the Commission's desire to explore the concept of 9 kHz spacing in an international forum wherein the United States can be assured that the other nations of the Western Hemisphere will also accept this proposal.

HAPPY NEW YEAR

DICK

GARY

PAT

TED
This article is designed to assist both beginning and more experienced DXers who are interested in receiving many Latin American & Caribbean countries on the MW RCB. While all of the tips here concern reception from the northeastern U.S., many of the tips apply generally to the U.S. & Canada. What can and cannot be heard will depend upon the individual DXer's local stations, as well as his or her ability, perseverance, equipment, and location. Coastal locations in New England-Long Island-New Jersey region. DXers should be reminded because these antennae can establish directionality to the south whilst nulling to the east and to the west.

Now is the time to DX IA’s since the sunspot count is high and many nights will be auroral with poor reception of northern TA's and weakened or totally inaudible high-latitude domestics. This clears many nights will be auroral with poor reception of northern TA's and weaken daytime-domestic QRM of desired LA DX stations. This allows LA stations to dominate the channel late at night. Also try 4VEF-840 & 4VRS-1170 at local sunset during AX for good Latin American conditions.

1. CUBA - Our neighbour to the south has many very easy stations from which to choose: 590, 600, 630, 640, 690, 720, & 780 are all good. Most Cuban stations play distinctive domestic music with their audible low beat tones, heard on LA stations result from poor standards of frequency-maintenance accuracy.

2. NETHERLANDS ANTILLES - Trans World Radio (PJB) on the island of Bonaire with 500 kw. is presently the most powerful station in the Western Hemisphere. It is heard nightly over or under English-language stations; this makes Cuba easy to DX extensively. Other strong survivors are R. Titania in Costa Rica. Other good bets are R. Sonora - 675, R. Uno - 775, R. Titania - 825, & R. Casino - 1176. 725 is heard after SRS s/off, or w/SRS nulls.


4. VENEZUELA - Many easy targets to be found here; best bets include 670, 700, 720, 750, 830, 950, 1020, 1070, 1110, & 1200.

5. COLOMBIA - Try the Sutatenza outlets on 700, 810, & 960; these should dominate during auroral conditions ('AU CX'). La Voce de Barquisimeto (R. & R. Relo) - 1100 are easily heard. Colombian network ID's heard often are RCN (erray-say-ennay), CARACOL, R. Sutatenza, & TODELAR. RJED-820 usually over-rides WRAP in the eastern states. NHNZ, Enisora Sinu - 1160 in Monteria has been dominating the channel late at night.

6. SURINAM - SRS on 725 is easy even on unsophisticated receivers in the early evening. 600 & 640 are frequently heard at Cape Cod and at other coastal sites during the local-sunset period. 820, 914 & 1030 are rarer. Surinam stations programme Dutch, Hindi, and numerous other languages; similarly, musical content is extremely variable.

8. HAITI - 4VEC on 1035 is easy with WBS looped or phased: this is heard early in the evening. Also try 4VEF-840 & 4VRS-1170 at local sunset during AU CX; 895 is a split sometimes noted during good Latin American conditions.

9. CAYMAN ISLANDS - 1555 is easy most nights; 1205 also makes it easy, especially in well-frequented areas. Both are best heard when AU CX diminishes the adjacent-channel domestic splatter.

10. COSTA RICA - R. Nacional (TIRN) - 575 makes this country easy. Other good bets are R. Sonora - 675, R. Uno - 775, R. Titania - 825, & R. Casino - 1176. 725 is heard after SRS s/off, or w/SRS nulls.

11. PUERTO RICO - WMOA on 870 can be heard in EE with Top 40 before WWI fades in for the night. WSKO-580, R. Relo, gets out very well with its SS all-news format. WAPA-680 is often heard well outside the immediate vicinity of domestic stations such as WWKO & WCHS. WKXW-810 can be heard mixing with other LA's during AU CX; the KWM (Kah-Vay-Em) ID's are easily distinguished.

12. BRITISH VIRGIN ISLANDS - Z8V on 700 can be heard at sunset, before Cuba/WBHM fade-ins. This is best at coastal sites, but it will make DXing possible inland. The programming is all in French.

13. GUADELOUPE - Arnouville - 640 is heard at sunset mixing with Surinam stations; this makes Cuba easy to DX extensively. Other good bets are R. Sonora - 675, R. Uno - 775, R. Titania - 825, & R. Casino - 1176. 725 is heard after SRS s/off, or w/SRS nulls.

14. DOMINICAN REPUBLIC - R. Universal on 650 is commonly heard. Other possibilities are 810, 890, 1120, 1160, & 1180. R. Clarin - 860 with its SS all-news format. R. Jumbo - 545 was the best bet before Hurricane David. It came back on the air, but at a much lower power than before.

15. MEXICO - XEWA on 540 “La Voz de la America Latina” is sometimes the dominant station on 540 after CBT/CBEF s/off. Others likely to be heard are XEZ-730, XEW-900, XEQ-940, XEG-1050, XERH-1500, XVFP-1560, & XERF-1570. Mexicans are best heard in the early morning hours.

16. BELIZE - 834 is heard often between TVLT/WWCO-830 & WHAS-840 until s/off at 0510 GMT. Also try 540 & XEWA-840.

17. ST. VINCENT - R. St. Vincent on 705 puts out a good signal through most of the night. 1100 is heard after CBT/CBEF s/off. Other likely to be heard are XEZ-730, XEW-900, XEQ-940, XEG-1050, XERH-1500, XVFP-1560, & XERF-1570. Mexicans are best heard in the early morning hours.

18. BELIZE - 834 is heard often between TVLT/WWCO-830 & WHAS-840 until s/off at 0510 GMT.

19. PANAMA - R. Peninsula- 825 ID's often and it can be heard fighting for control of the channel w/R. Titania in Costa Rica. Other possibilities include HOL80 on 840 & HOL55 on 860. The splits on 840 & 1045 may be received on communications receivers during reasonably-good Latin American conditions.
22. EL SALVADOR - YSS R. Nacional on 655 is not too difficult unless you DX from a site too close to WMBC or WSM. Try YSFC-1155 which has an American-sounding Top 40 & disco format w/SS announcers.

23. BANANAS - ZNS3 is sometimes heard on Monday mornings with WGY off on 1540 makes it to NW England when AU CX kill WPTF’s skywave; those living south of Albany (in the WPTF null) can easily log this one before KKEL fade-up.

24. JAMAICA - J. B. C. outlets are found on 550, 560, 580, 620, 700, 720, 750, & 770. All stations are 5 kW. Radio 1 on 700 seems to be the most easily heard; it’s often audible with WSM. The Jamaicans sometimes run all-night, despite indications to the contrary in the World Radio-TV Handbook.

25. GUYANA - The best bet is R. Demerara on 760 at sunset during AU CX. This is heard well at coastal sites such as Demerara, south Jersey, & Cape Cod. Action Radio on 560 can also be heard in severe AU CX if you’re lucky enough to have no serious WGN or WFL problem; the last report I’ve seen on this one was from Bob Foxworth on Long Island.

26. HONDURAS - R. Panama on 944 is the best bet. R. Aeropuerto on 1085 & R. Danli - 1165 can also make it during the best conditions. Those without a selective receiver will have difficulty logging this country. W.R.TV.H. lists a 25 kW. station on 1160, but nobody ever hears it.

27. GRENADA - R. Grenada on 535 can be heard at sunset with a poor to readable most nights if a communications receiver is used. 945 is heard best at the coast early evenings before WTOP becomes too strong.

28. TRINIDAD & TOBAGO - There are two stations here: 610 & 730. Both require AU CX to be heard. A coastal receiving QTH is advisable. Those without a selective receiver will have difficulty logging this country. W.R.TV.H. lists a 25 kW. station on 1160, but nobody ever hears it.

29. TRINIDAD & TOBAGO - There are two stations here: 610 & 730. Both require AU CX to be heard. A coastal receiving QTH is advisable. Those without a selective receiver will have difficulty logging this country. W.R.TV.H. lists a 25 kW. station on 1160, but nobody ever hears it.

30. ECUADOR - Frequencia Mil on 995 & R. Melodia - 735 will be at least efficient; more likely, it still uses 4 kW.'
45. CHILE - This country is extremely difficult for Easterners to log because it offers no all-nighters on clear frequencies. As it lies in western South America, its stations are QRV'ed by the time that they fade in during the early evening. Chile's s/o's are too late to be tuned into by many of QRM on a Monday morning in the East. Three 50 kW. stations offer the best chance: CB106 on 1069, CB114 on 1140, and CB138 on 1380. These might be possible with phased Beverages on the coast during AU CX. CB118 - 1180 kHz had been heard on the east coast is no longer on the air. As is the case with Peru, the Andes mountains restrict some otherwise-viable modes of propagation from Chile to eastern North America.

46. FALKLAND ISLANDS - For you dreamers - here it is: P. I. B. S. on 536 kHz only a few miles of the distance around the world to span with its humble 5 kW. transmitter. This has never made it to North America, but set up miles of wire to a southward-facing beach and you just might be the first to log it. Remember to tape this because no one will believe that you heard it.

The reader is also advised to consult the IECA Foreign Logs for other articles of considerable use to the Pan-American DXer. The writers feel that two similar companion articles - one by DXers in the southeast Gulf Coast states (e. g. Hutton, Schatz, Bakkind, Thomas) & one by western DXers (Porter, Martin, Tomer, Peterson et al) - would help greatly in filling in whole nationwide Pan-American DX picture.

The best way to keep informed, of course, is to stay tuned in to the international DX columns regularly. New stations take to the air frequently; furthermore, existing stations change slogans, calls, power, schedule, format, verification policies, and frequencies often enough that constant updating of the body of available knowledge is essential. All DXers should inform others by habitually reporting their LA DX catches - routine stations once a season (4 times a year) & less-common catches whenever heard. Any verification data should be reported. Best of luck in your efforts!

CPC TESTS

1/28 KVEL-920 Vernal, UT 0700-0800 ELT, 5 kw. Program information not yet Mon. Arranged by Wayne Reinen, N9C.

1/28 KVEU-900 Wenatchee, WA 0300-0330 ELT, 1 kw D1. Likely will use tones Mon. and music. Reports to Randall Beckstead, CE, P.O. Box 79, Wenatchee, WA 98801. Arranged by Neil Zank, NRC.

Support for the Courtesy Programs Committee remains very poor, so please write to Neil Zank, P.O. Box 556, Lincoln, NE 68505 and offer to help!!!

THEY JOINED

We wish to extend a warm welcome to the following new members. With their arrival NRC starts a new decade with a membership of about 780. Please report to your club soon.

John Lutzel, 60 Morningside Drive, Greenwich, CT 06830
John R. Vodenik, WB9AUL, 4330 Maryland Street, Gary, IN 46409
Stephen Burkimer, 20 Spring Street, Trenton, NJ 08610
Charles E. Scheler, 169 Oldfield Road, Setauket, NY 11733
Bruce Ewenstein, 615 Pelham Parkway North, Bronx, NY 10467
John C. Harker, 180 North Street, Calcutta, NY 14423
Pete Nolan, P.O. Box 128, Netarts, OR 97193
Chris Laurent, 948 Hope Street, Providence, RI 02906
Michael D. Knitter, 215 Circle Drive, Cambridge, WI 53523 (rejoins)
Rodney Valdron, P.O. Box 140, Petit Rocher, New Brunswick EGB 2R6
Neil Wolfish, 12 Downdons Grove, Toronto, ON M4N 2X4
Greg Wilson, 1329 Humphrey's Crescent, Burlington, ON L7P 1X8
Douglas Minke, 128 Mechagrove Trail, Toronto, ON M2L 2W5
Carl Rudolf Otto, 10 Shaver Court, Islington, ON M9B 4P5

Renewals include: Miles Bredvold (3 yrs), James Hagan, Marty Wright, Eugene Allen, Dick Trux (3 yrs), Barry Wasylk, Chris Lucas (3 yrs), Steve Besilla, (1 yr), Linda Bredy, Michael Deitz, Ed Eisentraeger, Mike Bureatta, Ed Kowalski, Richard Cooper, Bill Whitaker, Bill Grant, Charles J. Martin, Ron Schatz, Martin Wishnewitz, Hilding Gustafson, Park Barton, Bob Laskar, Carl Mann, and George Watson.

PANASONIC IF & RF ALIGNMENT

The Panasonic RF-2200 is a fairly popular portable receiver among several members of the National Radio Club. I have been an owner of this fine set for about 3 months, and it is an excellent set for DXing domestics and some LA splits. However, like many owners, I have noticed the main fault of this set is the dial on MW frequencies does not maintain accurate calibration. This problem can be cured with a few simple alignments that the set keeps its alignment. First off, be sure you have a good set of batteries if you operate it as a portable. I prefer to use alkaline batteries for long life and to insure stable voltage over the life of the batteries. Be careful to not expose the set to any moisture, handle it with reasonable care. Avoid carrying it around like a $20 portable. I purchased a portable case to store my set in when not in use.

PANASONIC RF-2200 does not include any technical information on the circuitry of the RF-2200 in the owners manual. Herein is specific directions on how to align the set. Read them very carefully before proceeding to align the set.

Open up the battery compartment and remove the batteries. Next remove all six screws which hold the back on the set. Carefully unplug the antenna and battery leads from the PC chassis board. Put the back panel aside and reconnect the set to an AC line. Turn on the set and set the dial so that the hair line cursor is directly above the heavy mark at 600 KHz on the AM band. Check for a station at 600 KHz and if it is slightly off from the dial marking very carefully turn L-1 (see diagram) until the station is properly centered at 600 KHz. Do not use aional station for this procedure and it will overload the set and make realignment difficult. If you cannot find a station of 600KHz use the 380 or 620 mark. The object is to make known stations appear on the dial where they are supposed to be.

New tune in a station at 1400 KHz, or 1380 or 1420 if that is what available, and determine how far it is off from its proper location. Very slowly tune C-1, which is located near 1400 and tune the dial so that the hair line cursor is directly above the heavy mark at 600 KHz on the AM band. Check for a station at 600 KHz and if it is slightly off from the dial marking very carefully turn L-1 (see diagram) until the station is properly centered at 600 KHz. Do not use a normal station for this procedure and it will overload the set and make realignment difficult. If you cannot find a station of 600KHz use the 380 or 620 mark. The object is to make known stations appear on the dial where they are supposed to be.

Alignment of the antenna circuit is quite simple. Tune in a weak but steady signal near 1400 and tune the dial so that the hair line cursor is directly above the heavy mark at 600 KHz on the AM band. Check for a station at 600 KHz and if it is slightly off from the dial marking very carefully turn L-1 (see diagram) until the station is properly centered at 600 KHz. Do not use a normal station for this procedure and it will overload the set and make realignment difficult. If you cannot find a station of 600KHz use the 380 or 620 mark. The object is to make known stations appear on the dial where they are supposed to be.

Above 1500 the markings are not very accurate.

Next comes the IF0 circuit and the IF circuits. Directly to the right of L-1 are 4 IF coils. Tune in a very weak station near the lower end of the AM dial and switch the set to narrow bandwidth. Carefully tune the IF coil to the right of L-1 and watch the signal meter on the set. Be sure the signal is peaked for maximum signal strength. If the signal is strong enough to pin the tuning meter at 10 lower the RF gain for a midscale reading. Now go to coil 3 and repeat the above procedure. Each time the signal should increase while the coil is tuned. Peak coil 3 thru 5 in the same manner. If your set is badly aligned you will notice an increase in signal strength each time you adjust coils 1 thru 5. When you have peaked up these coils you have carefully aligned the IF section of your Panasonic RF-2200.
The BFO coils is located in the lower left side of the main FC board (see diagram). Tune in a weak, no stronger than 5 on the tuning meter, station with the RF gain wide open. With the bandwidth in the narrow position carefully tune for maximum signal. Listen for the stations audio which should be quite bassy and most of the background noise absent. What you are doing is tuning the BFO to center its carrier in the middle of the IF passband. Now switch on the BFO and wait a minute. If the BFO heterodyne is audible tune the BFO dial for a zero beat. You must be very careful not to disturb the dial setting. You signal will sound like SSB if the BFO is set for zero beat. When completed tune the dial back and forth and note if the BFO heterodyne is equal in strength on either side of the signal. If all is well go ahead and re-connect the back and secure.

The alignment procedure described involves only the available on the air signal and is simple for most DXers to perform provided they have some basic knowledge of the workings of a radio receiver. I cannot over emphasize the importance of knowing what you are doing before you attempt to align your RF or any other receiver. If you feel you are not sure, have an experienced DXer help you align your receiver. If you do not have a good DXer to help you, be sure and let your DXer know exactly what you want to do and that you need help aligning your receiver.

Now switch on the BFO and wait a minute. If the BFO heterodyne is audible tune the BFO dial for a zero beat. You must be very careful not to disturb the dial setting. You signal will sound like SSB when the BFO is set for zerobeat. When completed tune the dial back and forth and note if the BFO heterodyne is equal in strength on either side of the signal. If all is well go ahead and re-connect the back and secure.

The alignment procedure described involves only the available on the air signal and is simple for most DXers to perform provided they have some basic knowledge of the workings of a radio receiver. I cannot over emphasize the importance of knowing what you are doing before you attempt to align your RF or any other receiver. If you feel you cannot do the alignment procedure properly by all means take the set to someone who knows how to align multiband communications equipment. Most Radio-TV shops are ill equipped to handle the work. In fact most technicians in the usual Radio-TV service shop have had no experience in servicing multiband radios. If you know of a knowledgeable ham or fellow NNCer ask him to do the work, it will pay off.

December 4, 1979

Dear Ernest:

I noticed your Nosing in the December 3rd edition of the DX News about WNVR.

WNVR, 14-NVR, is in the process of building new studios at our present site. Our Chief Engineer is tied up with that installation. To ensure that all Club members get a quick response to their reception reports, I would encourage all Club members to send their reception reports to me at our corporate headquarters address:

NAUGATUCK VALLEY RADIO, Inc.
182 Sound Beach Avenue
Old Greenwich, Connecticut
06870

I'll make sure that all varies are handled promptly.

By the way, 14-NVR is AN-6. Our SP is Monday morning 0100-0500 EST. The format is Adult Contemporary. We are not carrying Bruins Hockey this season. We run a Disco show on Saturday nights 8 p.m. to 1 a.m. and an Oldies show Sunday nights 8 p.m. to 1 a.m.

Regards,

John J. Azinski Jr.,
Executive Producer

Mr. Ernest R. Cooper
5 Anthony Street
Provincetown, Massachusetts

50 STATES FROM MICHIGAN

Dave Yocis

As one can easily see from the achievement columns in DX News there are very few DXers who have managed to hear all 50 states and all 10 provinces. This article will attempt to outline the best bets for the states and provinces you need.

First, the 50 states:

Alabama: WMOO-1550 Mobile and WAAT-1550 Huntsville are both 5000 watts daytime and get out well on summer or sunrise. If locals prevent you from these, WAPI-1070 Birmingham and WEMY-1580 Talledo have decent SSS/SRS signals. Also WFRG-960 Birmingham gets out surprisingly well.

Arkansas: KAAY-1090 Little Rock has decent coverage, especially in the midwest. Easterners can try for it on WMS. unless you are just too close to the AN Canadians. If locals pose a difficulty, KLRA-1010 Little Rock is also widely heard.

California: KFI-640 is far and away the easiest unless local Cuban QRM is too much. In that case, KNX-1070, KPXR-1350, or KDAY-1580 are also possible on WMS.

Colorado: KOA-590 is probably the best as it dominates the channels in most locations west of the Appalachians. Easterners, even with WHDH-850's SP, have trouble. KFIK-1580 w/5000 watts is well heard on WSS.

District of Columbia: WTOP-1500 Washington can be IDed AN w/ Larry King. If locals make this one tough, WUST-1120 can be heard occasionally at WMS.

Florida: WFL-1550 Coral Gables or WSRF-1580 Ft. Lauderdale w/5000 watts on WSS/SRS.

Georgia: WSB-750 Atlanta is the best by far. Otherwise, try WINZ-940 Macon on WSS/SRS w/5000 watts.

Hawaii: Like Alaska, is supertough out east. KORL-650 has been reported inland for a while, but their towers were damaged by fire a couple of years ago and they haven't been at full strength. KOU-760 or KPOI-1040 on local SPs might make it.

Idaho: KBOI-670 Boise on SSS for those west of Chicago. East, could be tough. Recommend KGBN-1060 Caldwell on WSS w/10000 watts.

Illinois: No problems as it has a number of 5000 watt stations: WHME-720, WBM-780, WM-890, WPLL-550, WBBM-780, WLS-890, WCHI-1080, WLS-1000. Westerners, even with WHDH-850's SP, have trouble. WHAI-1100 Fort Wayne have the best signals.

Iowa: WHC-1040 Des Moines and KXEL-1540 Waterloo, depending on locals.

Kansas: Not the easiest state. KGAM-860 on WSS/SRS or KQNK-1530 FC on WW closes to the 10th are easiest. Also don't laugh at WBBM-500's signal, either.

Kentucky: WHAS-840 Louisville unless LA QRM is too much. WKJ-1080 has a nice signal despite its power and QRMed WTVI often when I was in Connecticut.

Louisiana: WWL-870 or KWWK-1130 are best stations.

Maine: Difficult even in parts of New England and next to impossible on the west coast. WHM-970, WBG-1940, WABF-910, WGAM-560 are possible.

Maryland: WBAL-1090 has a nice signal AN or, for those in the west, try it at SRS. When it is in NW, WCA-900 can also be heard at respectable distances.

Massachusetts: WBZ-1030 Boston has a coast-to-coast signal and sounds like more than 50000 watts. If local interference is a problem, WITS-1510, despite cries that its inland signal is so poor that it is not heard in parts of Mass., it does get out well.
Michigan: WJR-760 is loudest, otherwise try WXII-1530, WCZ-1500

Minnesota: WCCO-830 or KSTP-1500 Minneapolis.

Mississippi: WCPK-990 Houston on SSS/SSR or OC, or possibly WOKJ-1550 after CBE a/off.

Missouri: KMDOX-1120 is heard everywhere, also KFVS-960 Cape Girardeau's r/c is heard well.

Montana: If and when KOPI-1180 gets 50000 watts, this may get easier. Until then, try KGHJ-790 on 3rd MM r/c.

North Dakota: KFYR-1180 unless you're too close to New York--and even if you're not, with a loop. Otherwise, KPAB-1110 on SSS or SM's w/WBT off...WOWL-590 doesn't have a bad signal, either.

Nevada: Practically impossible in the east unless the 50000 watts decide to test...KUWN-720 or KCRL-780 are the possibilities.

New Hampshire: WPEA-1370 Manchester, possibly WGIN-610, or start writing CPC letters, hi.

New Jersey: WNYJ-620 or WDDJ-970 or possibly WATF-930 are the best bets.

New Mexico: KOB-770 is heard in New England on WADC-770 New York.

New York: Has codles of 50000-watters, including WKW-1520 Buffalo, WNBC-750, WABC-770, WCBS-880, WQXR-1560, New York, or WPTF-1540 and WGY-810 Albany. Not to mention WHAM-1180 Rochester. Any or all should be possible anywhere.

North Carolina: WSJ-1110 is the only 50000-watter but DA doesn't favor westerners except on SSS/SSR. WPPT-680 Raleigh's DA is also unfavorable, as in KNBR. Keep hanging in there.

North Dakota: KFYR-1180 Bismarck is heard with reasonable frequency throughout most of the country. KCJH-910 Minot's r/c also is heard well.

Ohio: 50000-watters WWOH-1100 and WAG-1220 Cleveland or WLW-700 and WCKY-1530 Cincinnati get out well. Ohio: KFMR-240 Tulsa possibly the easiest after CBL a/off unless you're too close to Houston, in which case you should have many choices. KINT-1580 Blackwell gets out well for 1000 watts.

Oregon: KFPM-1120 or KEK-1190 are possible on MW's.

Pennsylvania: Several big stations: WCAU-1210 or KDKA-1020 get out better than most.

Rhode Island: WPRO-630 or WJAR-920 are the best, although tough in the west.

South Carolina: In the east, WTOP-1520 can be a local at SSS. Midwesterners and those farther west should go for WFBK-1130 or WTJ-560.

South Dakota: KKAA-1560 Aberdeen's pattern makes them easy in most areas but very tough in others. If you can't get this one, try KFYR-1180 w/10000 watts on SSS/SSR.

Tennessee: WSM-650 or WLAC-1510 Nashville.

Texas: Easy because of WABP-820, KTHH-740, WOAI-1200, and KRLD-1080.

Utah: KSL-1160 should suffer little interference throughout the country.

Vermont: Another toughie. WBBW-180 Rutland or WNTT-620 Burlington can be heard, but these are the only ones I ever heard, even in Connecticut.

Virginia: WABA-1180 Richmond unless you have locals, then try WPTF-960 Roanoke which has a nice inland signal.

Washington: Easy everywhere but the east. KOMO-1000 or KIRO-710 are the best.

West Virginia: WVVA-1170 Wheeling gets out well. If not them, WKVA-1550 or WCAW-680 on SSR for you westerners.

Wisconsin: Probably WTMJ-620 Milwaukee, heard nearly everywhere if you wait long enough. WOKY-920 or WUPN-1250 require even more patience.

Wyoming: KMO-1030 w/WBZ off is the best.

And, now for the 10 provinces:

Alberta: Recent reports suggest that CKXL-1140 Calgary is heard well in WQXW's MS SP. Also, try CBX-740.

British Columbia: CBU-690 is the easiest by the books, but checking is not done on paper. I understand CPUN-1140 can be heard inland.

Manitoba: CBW-990 gets out nearly everywhere.

New Brunswick: CBA-1070 or perhaps CKCW-1220 in rare WQAR SP.

Newfoundland: Tough one, try CBM-540 or CBX-640.

Nova Scotia: CBN-860 is probably the best in most places as they QMCC/CBC often in Connecticut. CBI-1140 or CPDR-660 is not rare, either.

Ontario: Lots of easy stations: try CBL-740 or CJBC-860.

Prince Edward Island: There are only three stations in the province, and one is a QYer. Of the other two, CHTM-1190 on WWOI-1190's SP is easier, although I suppose CFQY-630 could be heard under appropriate ex.

Quebec: CSB-690 or CBM-940 are easiest, but there are many more.

Saskatchewan: CBV-540 is the best by far.

I've tried to list alternate choices for each area, where appropriate. Any comments, suggestions, or errors should be reported to Musings.
THE TONE January 17, 1984

IT'S OUR SALUTE TO ALL OVERSEAS MEMBERS. THE MONDAY AFTER THAT, AF.E SO THEN!

XRIC FITHIAN - Box 492 - Buena Vista, Colorado - 81211

January 1, 1984, marked the 200th anniversary of the U.S. Navy. The centerpiece of the Navy's celebration was a ceremony on the deck of the battleship Iowa. The ceremony was attended by thousands of guests, including military leaders, dignitaries, and members of the public.

Several events took place that day, including a speech by the Secretary of Defense, a review of the Navy's history, and a performance by the U.S. Navy Band.

The ceremony was followed by a fireworks display and a parade through the streets of Newport, Rhode Island. The event was broadcast live on television, and people across the country watched as the Navy celebrated its 200th anniversary.

Although the ceremony was a spectacular event, it was also a time for reflection. The Navy is a proud institution with a long and storied history, and this event served as a reminder of the sacrifices made by those who served in its ranks.

For more information on the Navy's 200th anniversary, please visit the official Navy website.

ERNEST R. COOPER
ANTHONY STREET
MIKE TUGGLE - 909 Moores Mill Road - Bel Air, Maryland - 21014

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

ERSIQ GOOD SS DX PLUG AN REW MUSINGS

WATX-1550 fair to weak w/rock, King of Dining Spot, DJ Mark. No GEM IDs heard. After 15 minutes of no FM 12/13-12/26 I tuned out when it began. Four stations on 1250, one alter-
rnatively strong and one weak. 12/6-12/29 was considered one of the longest outstanding fights that ended in favor. First report to them was from Orchard Park, N.Y. 11/29-12/21. XSC has been looking for this one for years. 12/3- Not DX, but WGOI-1690 at 5pm w/real strong signals on 640 around 11pm from a station playing West Indian type music. 12/28 came the "Radio 125" WARE IDs - I thought I was going to lose the battle.

Buck over & over? I got back to the frequency at 4am in the nick of time to hear "Cond­
crool 1:30am. 11/18- KGER-1390 w/HEL till 3:28. 11/22- WMT-1340 w/ID till 2:CE

PWIN'S SOME TECHNICAL HELP

with 1930's start a week later (Frohe Weihnachten und Gluckliche Neujahr), that's German for Merry Christmas and Happy New Year. 10/1:30-12/28 came the "Radio 125" WARE IDs - I thought I was going to lose the battle. Count this as a verie, Ernie? (Not really, Mike - I think I'd follow it up with an explana-
tory letter - ECM) Likewise, the DX continues to border on the fantastic - and this season is supposed to be one of the worst in many years. All along this is as far as the sunspot curve is concerned. Note: I left off in EXDD 11/21- WXVA-1550 & w/KB2 in Al, talk show and the PET amp plus loop construction, but my techical knowledge to assemble the tuner and the PET amp plus is that I acquired, by sheer chance, a mint HQ-130 over Thanksgiving vacation for consider-
tably less than retail. I called it a night to get my four hours' sleep. At least I didn't have to walk to school any more. 10/4- I had a nice time watching Ada 12 on Pittsburgh's 4. 10/8 I

MUSINGS PROVINTOWN DEADLINE DATES - THE DX NEWS DATES ARE 14 DAYS LATER THAN THESE
with WNYR. The antenna was meant for the CJVR TXST. We brought out chain, blankets, and a large 4-wheeler but were never able to get it started. We finally gave up on 6S0.

**END OF REPORT**

I'm only glad the farmer's kid had the snowmobile going for the evening's efforts. After all that effort, we listened to the Russian DX from 7:30 to 10:30, which was impossible to listen to. I'm glad the farmer's kid had the snowmobile going for the evening's efforts. After all that effort, we listened to the Russian DX from 7:30 to 10:30, which was impossible to listen to.

**END OF REPORT**
Hello, folks - time for my latest Diptote.

First, the RX-150 is out-of-order, w/ a faulty on-off switch, so the TXF is my only DX machine now, & not doing badly. It's now being used to DX with an XYL, too. RXE has been reborn, on some channels adjacent to where the TWF was previously located. I haven't been doing much serious listening for DX, but some interesting returns are heard. onward to DX! 12/4 WABX-1220 heard w/s on a 7:15am private signal. At 12/3 was interesting, producing one new log, KENV-973 & WN0S. The 973 QRM was substantial & noisy, but I still managed to pick up a KCKO that evening. Also, 12/3 was a busy day for DXing, with 970 WJTH, noting a couple of stations of interest.

On 12/3, I was interested in hearing some local AM stations, particularly WJTH. It sounds like CKKC’s staff puts the CBC line on the sir late at night, leaves it on all night, & then sends it out again the next day. According to my logs, I heard CKKC on several occasions during the past week, although I didn't hear any interesting DX stations. I also heard WABX-1220 and WABX-1210 on the same day, but the signal was weak. I could have sworn I heard WABX-1220 earlier in the evening, but I was unable to confirm this.

On 12/1, I was interested in hearing some local AM stations, particularly WJTH. It sounds like CKKC’s staff puts the CBC line on the sir late at night, leaves it on all night, & then sends it out again the next day. According to my logs, I heard CKKC on several occasions during the past week, although I didn't hear any interesting DX stations. I also heard WABX-1220 and WABX-1210 on the same day, but the signal was weak. I could have sworn I heard WABX-1220 earlier in the evening, but I was unable to confirm this.

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............... Sunset DX - trying for WGF at 4:15 on 940, no sign here - all c/w & PA, sounds very evidently unm WLY. Then to 1600 for a try at WNY & nul of WWN had WAD Bedford, PA, in well too but strong signal made it hard to cop. One under them off @ 4:30, exchanged weak on tape replay. WNY has applied for fulltime on 1010 so I am putting a lot of time at 979 where - so far only WLY WATC & N.C. who can be anyone...

10/29... WCEA-1530 ex-WTOC Sen Larry Long & local announcements at break. FM. CWX-1380 ex-1450 WCMC & DX... LSC... WCEA QRM KEA & 1450 WCMC. 24:00 AM-1200 PM, 10/3/79 Detroit in over all at 4:25pm... so over to 1130 & I copied WATC for another try at a varis - no vari last season, only an old WCR coverage map. When WNY was signal, was at a rare one, WNY, Milwaukee took over, equal to WNY most of the time, but not needed here.

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T40 mer - /o USCG Group - 259 High Street - South Portland, Maine - 04016 12/9/79

I have recently moved in a bag-cut front for the Winter, & yesterday I have made in contact with all North Carolina stations. There is exposed to NEks here - been a DX offer since the 40's. This place is about halfway between Portland & Brunswick, ME. Opposite Cousins' Island. Also surprisingly, is the fact that power lines miles away from the Cousins' Island, had no influence on their power level. The hilly terrain of 1/4 (6). Radio used was a Panasonic WPE120 FM/WFM/WS with built-in antennas. 530- WFM harmonic. 530- WFM harmonic. 840-580. WJAB. 930- WJMQ. 950- WBZ. 970- WCSH. 1030- WBZ. 1060- WILD. 1110- WHIM. 1130- Deep fading (WNEWT). 1150- WHUE 12:45pm, and ended at 2:20, so same of the 1300 kHs log* up are probably early sunset ekip. Must be down to 30 minutes for the 1300 kHs log. So far a new country. 12/2- WWJ Detroit In overall at 4:25pm - to over to 1130... 1250 Unreadable slop, WTBB? 1260-WXZE. 1270-WT3N. IPSO-WABE. 1290-WICE. 1300- WJDA

A MAINE MAN SCAN

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