



# DX NEWS

*the magazine of the  
National Radio Club*

— SINCE 1933 —

Volume 45, Number 25

Monday, May 1, 1978.

## STATIC FROM HQ

OK, folks, this is it...the information you have been waiting for about the 1978 NRC CONVENTION appears inside (at least enough does to make you drool about attending!) so look for it! Also those places like St. Louis, Memphis, and we hope, San Francisco, who are thinking about bidding for the 1979 NRC Convention should get their bids together. Since NRC is incorporated in Kentucky (surprise!) those at the convention are required under our incorporation by-laws to select where the next annual meeting will be, which means you'll have to show up this year to decide where you'll be next year! Any cities wishing to bid, but not mentioned above, should contact headquarters and tell us, though we will accept bids from the floor in Atlanta! Going right along...there is a batch of information and special stories being held here at headquarters for the May 15 edition of DX News, which will be a 48 page special, so look for it in two weeks! A reminder that we are going to soon begin a question and answer column, so send those questions (and answers!) into us as soon as possible. Final details of the column are being worked out now! Also, NRC after long thought and consideration, will begin shortly a column for the members of stations which prove difficult for members to verify. We wish to stress that this is NOT a blacklist or any slam at the stations, however it is to be used as a positive tool to assist members to confirm their receptions. We also hope that it will be used by persons living near stations which are difficult verifiers to pay visits and explain what NRC is and the significance of veries. We hope this will be a positive addition to DX News and trust the membership will treat it accordingly! If this issue looks a bit strange (or perhaps a bit better, hi) most of the headquarters staff is on vacation this week and Pat and Ted are putting this one out without assistance (but boy do they need help!!)

*Jed - Pat*

## CPC TESTS

Monday, May 15 WAKE-1500 Valpariso, Ind. 0100-0300 ELT. Will use 1 kw, directional N/S. Easy listening mx with tone, and voice IDs. v/s is John S. Bowker (NRC member). John says he hopes to top the 62 letters and tapes from the last test they did. WAKE, P.O. Box 149, Valpariso, Ind. 46383. Arranged: John S. Bowker.

## THEY JOINED

Welcome!! Muse soon.

Robert S. LaMorgese, 279 Stephens Street, Belleville, N.J. 07109  
 A. J. Frazier, 256 N. 116th Court, #22, Omaha, Nebraska 68154  
 William L. McCarter, 1625 West 3rd Ave., Vancouver, B.C. V6J 1K1  
 Bobby Ranck, 2193 Langdon Court, Decatur, Georgia 30035

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Welcome to

# ATLANTA, GEORGIA

FOR THE

## NRC 1978 CONVENTION

### SEPT. 1-4, 1978

at the

## NORTHLAKE HILTON

## I-285 AT LAVISTA RD.

Rates: \$19 - Single

\$25 - Double

More details soon...

#### ACTIVITIES PLANNED INCLUDE:

Tours of FCC Monitoring Station,

WSB-Radio, WTCG - Channel 17

Satellite Station; A MM Beverage &

The Secret DX Safari!! Plus More!

The  
GAADs



# DOMESTIC DX DIGEST

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

■ case of Spring Fever could be the reason for a very abbreviated column this issue. Here is what's being heard by the membership as of late....

#### DX TESTS

KIRO - Heard by JK  
WXAP - Heard by JK, DB  
WPHG - Heard by FD, RA  
KNWS - Heard by JK, DB  
KPAR - Heard by DB  
WAMS - Heard by JK  
WCHH - Heard 3/28 by BT

#### FREQUENCY CHECK

1st Fri. WTH0-1530 (JK) Off 0003.



BURLINGTON

On 4/3 JK called EDWN & DJ there said that they had no intention of going off the air for their scheduled Test for the 1st MM of the month. CE was not at station, so no RTs were done that particular MM.

#### SPECIAL

1510 WITS MA BOSTON - 4/7 EX-WMBX, noted first time this date using new call. (RA)  
1630 WFAT NY BROOKLYN - Barely audible at peaks 3/28 at 0008 abrupt s/off & back on again at 0100. Annor Larry taking calls at 372-9906. (BT) This one changes calls every week! (RA)

#### SUNSET TO MIDNIGHT

550 WSWA VA HARRISONBURG - 3/28 2210-2245 w/rr, local nx. (MT)  
730 WOHs NO SHELBY - 4/6 fair w/s/off at 1859. (RCW)  
800 WCHA PA CHAMBERSBURG - 4/6 1830 w/femme DJ into MoR nx, poor. (JK)  
930 WSOO NO CHARLOTTE - 3/28 2054 "News Radio 93" IDs. NEG nx. (MT)  
~~980 WPHG VA BRISTOL - calls in HQ call 3/8 at 1958. (BT)~~  
1010 KLRK AR LITTLE ROCK - 3/28 2138 ID, spot for CBS, CST TC's. (MT)  
WIGO PA LEWISBURG - 3/28 1815 w/s/off way u/WINS, poor. (JK)  
WSID MD BALTIMORE - 3/29 1830 s/off...another check u/WINS yielded this one w/good strength. (JK)  
1150 WGOW TN CHATTANOOGA - 3/30 fair w/contest promo u/WIMA/WACQ at 1840. (RCW) (JK)  
1170 CPIX ON CORNWALL - 4/5 good using new call EX-CFML w/FF nx 1800.  
1190 WXGR MS BAY ST. LOUIS - 4/4 using new call EX-WPUP poor at 1915 s/off. (JK) These two should have been put up in SPECIAL section...sri. (RA)  
1290 WTOG GA SAVANNAH - 3/7 at 2257, ID. (BT)  
1350 WFLS VA FREDERICKSBURG - 4/5 finally got another VA station on this frequency other than WHNE, good at 1345 s/off. (JK)  
1370 WEIF WV MOUNDSVILLE - 3/25 1830 s/off w/"Country Reads". (MT)  
1380 WLRO OH LORAIN - 4/4 in briefly w/s/off at 1914. (RCW)  
WVKY KY WINCHESTER - 4/4 s/off after WLRO, good at 1915. (RCW)  
1400 WJET PA ERIE - 3/24 1840 w/rr & ments. of Mill Creek Mall & JET-14 Easter Bunny. (MT)  
1470 WRGA GA ROME - 3/27 playback of tape uncovered them at 1945 w/T40. (JK)  
WINH SC GEORGETOWN - 3/27 also heard on tape at 1830 s/off atop, heard again on 3/28. (JK)  
1480 WQFR VT SPRINGFIELD - 3/29 atop w/1800 s/off. (JK)  
1510 WJIC NJ SALEM - 3/30 1810 s/off good w/ID as "Jersey Information Center. (JK)  
1550 WLUX LA BATON ROUGE - 4/4 1930 s/off very weak, first LA SS station. (JK)  
1570 WTLK NC TAYLORSVILLE - 4/3 1830 s/off poor u/WQTV s/off. (JK)  
1590 WAWA WI WEST ALLIS - 4/3 fair w/1930 s/off, ment. of PM. (RCW)

#### MIDNIGHT AT THE OASIS

550 KOY AZ PHOENIX - 3/27 0405 weak w/nx/sports, then nx. First time heard here. (GH)

570 WKBN OH YOUNGSTOWN - 4/3 0015 w/SID & into CBS "Face The Nation" pgm in WMCA SP, good mixing w/WSYR. (JK)

610 WIOD FL MIAMI - weak 3/10 @ 0005. (BT)

630 CKRC NY WINNIPEG - 4/3 0428 good w/2 ads, then mx. (GH)

770 WABC NY NEW YORK - 4/3 noted off @ 0207 in passing freq. (RA)

830 WSVS VA CREWE - 4/5 0610-0620 w/C&W mx, local spots. (MT)

850 WIVK IN KNOXVILLE - 4/2 0350 w/C&W, presumably ET but sounded like RS. (DB)

WJW OH CLEVELAND - 4/3 0226-0229 briefly heard w/WHDH OC/OKVL RS w/Pop mx, quick ID, TC. Not heard often. (RA)

900 UNID -- ----- 3/26 0406 w/automated C&W, gave call of OHMN repeatedly, ments. of several relays, one of which may have been CKDR-900. OHMN call suggests Manitoba, definitely not OHML, help! (DB)

1080 WTIC CT HARTFORD - 4/17 noted on AN w/tele-talk this month in what has been their 3rd MM SP as of late. (FD) (DB)

1090 OKKW OH KITCHENER - 4/3 0253 fair w/C&W o/u XERB & thunderstorm.

1150 WCNX CT MIDDLETOWN - 4/3 strong w/ET at 0027, can't seem to hear them at SSS. (JK)

1170 WCOV AL MONTGOMERY - fair 3/10 at 0045, WWVA off until ET began at 0051. (BT)

1260 WNGO OH CLEVELAND - 4/3 0135-0147 ET/OC/TT w/WEZE QRM, ID @ 0140. (RA)

1320 WKAP PA ALLENTOWN - 4/10 0119-0134 loud on ET/OC w/ID @ 0130, then mx. (RA)

1340 WCVI PA COMBESVILLE - 4/8 good w/SID 0038 into ads. (JK)

1410 KRIG TX ODESSA - 3/26 nice signal @ 0332. (DB)

1460 WAGO TX WACO - 3/27 0307 weak w/rr, KSO off. (DB)

1580 KDAY CA SANTA MONICA - 3/17 0457 surprisingly strong for previously unheard station, DA troubles? (DB)

WJVA IN SOUTH BEND - 3/30 0015-0045 very good on ET. Called them and they played for me a request during ET. Very friendly, CPO Test probable in the future. (JK)

That's it for this time. Welcome to all new reporters. Please do not forget the daylight time change coming up, and when you report, please use one side of paper.

#### REPORTERS:

FD Frank Dalley, Preston, CT  
 DB Doug Beard, Springville, IA  
 GH Gary Houdek, Munden, KS  
 JK John Kromka, Montville, NJ  
 BT Bruce M. Tindall, Chapel Hill, NC  
 MT Mike Tuggle, Bel Air, MD  
 ROW Richard G. Waterman, Southwick, MA  
 RA Ray Arruda, Acushnet, MA

HQ-180, SW2, LW  
 Transoceanic  
 Western Auto Multi-Band Port.  
 DX-160, LW  
 TRF  
 X-tal Set, LW  
 HA-600A, LW & various antennas  
 SX-122, SML

See you in the next issue. 73.....

*Ray*

## RENEWALS

Renewing in the best MW DX Club around are: Ingve Mattsson, W.R. McIntosh, Richard Northup, Jim Lovell, David J. Kennedy, Don Kaskey, Bob Stonier, Herman Meyer, Jerry Franklin, Daniel R. Bartek, Calvin T. Augustine, Bob Foxworth, Dave Bennett, Roger S. Horie, William Blazek, Bill Coleman, Jr., Mark Connelly, Bill Harang, Glenn Hauser and Clifford Barnes.

WANTED My collection's nearing all states, but I still need air checks of beautiful music stations in Arkansas, Montana, Vermont and South Dakota--if you live in or near one of these or can get anything from there, let me know and will swap you for recording of your choice from this area or will send tape and return postage--foreign tapes also welcome--cassette only, please! Ted Fleischaker, 3023 Tremont Drive, Louisville 40205.

# INTERNATIONAL DX DIGEST

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

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

Hello. First of all, some comments on the 78 WRTH. As you will notice, they have not lost their penchant for out of date LA news. Witness the usual listing of Union Radio on 675, where they have not been for an age or two. Hopefully Ron Schatz will get an updated splits list for this season out before it is gone. Also, don't believe half of the "vuf" listings. To put the final sword in their back, check all the stns that have been on splits for years that are not listed there. The only real exciting new listing is the 10 kw Action Radio listed on 705 under Guyana. This info was from the stn directly so apparently they are on the air in spite of my best efforts to date--just a SAH on HRAM. There is no info on the frequency plan that goes into effect this November. Allocations for Europe were received from ITU via Dario Monferini and were printed in DX News several months ago. Australian NRC'er Sam Dellit has sent me a computerized listing of the Australian plan, which reveals that the transition will be nothing more than an orderly shift to the nearest 78 frequency. One exception is that the low powered outlets currently on 1570 will split up, with some going down to 1566 and others going up to 1575. Some of the best chances for us EC types will be the 4QB/4QO synchro on 855 with 10 kw each. Plus of course 4QD on 1548. This is of course still tentative so we will just have to wait and see whether the plan can resist the entropy of reality.

Veries from Stan Morss: YVKS R. Caracas 750 sent letter in EE from James T. Curry, PD. Says they plan to go to 600 kw in the near future. From Norm Maguire: R. Jumbo 545 letter from Floret Gilles, CE, cty #79. 750 Costa Rica, R. Latina America v/1, mentioned reports from Washington and Illinois. 834 R. Belize QSL, cty #77. 1300 Australia 4BK Brisbane, 5 kw, QSL w/no v/s. 1360 Taiwan BED-23 Taichung 10 kw, letter, pin, and booklet in CC. Cty #78. 1430 New Zealand 4XD Dunedin, QSL in envelope from Angus Foster, stn mgr. 1370 Australia 2GN, Goulburn, 2 kw, letter and QSL from C.J. Brammall, stn mgr. 1450 E. Caroline Islands WSZD, Ponape, ppcd, cty #81. 1440 Japan JOVF, Sapporo, 50 kw, STV QSL, no v/s. 1490 Japan JOYR Okayama, 5 kw, letter & QSL. Says they have three satellites on 960. Fumio Terao, v/s. 1500 Australia 2BS, Bathurst, 5 kw, verified on the back of their bumper sticker. R.C. Upfold, Senior Technician. 1555 Cayman Islands 10 kw, letter and brochure, cty #80. 1570 Philippine Islands DZHH, Nichold Air Base, v/1. V/s J.H. Alagon. Hand delivered by his master sergeant. (ServLea111)

Via NZRDXA, Brazil R. Globo 1220 is testing a new 100 kw tx from 1800-0330. The old 50 kw is in use the rest of the time. R. Mundial 860 plans to increase to 200 kw by next year. International Waters Caralane is to move from 962 to 557 and operate an all day EE sked. Thailand a powerful Thai stn has been hrd on 1473-1475 with news //840, other times its own pgm.

Arctic Radio Club News: Panama Onda Tropical verified a report of operation on 1197 and mentioned that they are now on 1130. A reproduction of their letterhead shows no calls, so they remain unknown. Address is Apartado 1591, Chitra. MOHPM21 1060 is now R. Titania, ex Musical 76. El Salvador YSTA 990 transmits until 0600. YSM 1160 ex 1390. 1220 YSNB R. Snsacion, R. Recuerdos. Nicaragua 1340 YNEM Ondas Sonoras transmits until 0420. Angola R. Clube de Luanda hrd in Norway at 0057. Germany 935 Bremerhaven has increased power to 5 kw.

Arctic, continued. USSR 647 Onsk carries local programming in German Wednesday 0357-0500 and Thursday 0615-0645. Stavropol 881 carries local programming 0430 and 1500. 1385 Kalingrad carries "Radiostanitsa Yantarny bereg" 2330-0030 for seamen in the Baltic. 1448 Kalinin sked 0520-0540, 0615-0645, and 1600-1640. International Waters R. Caroline is planning to move to this freq shortly and change to an all-day EE service. Ireland Alternative Radio Dublin is on 1183 with 2 kw 12 hours a day. South Korea APKN Seoul is on 550, ex 560. KBS Pohang is now testing on 560 24 hours a day, relaying 970. Nigeria 1017 NBC Yola is now on the air with tests normally between 0600-0900 and 1500-2100.

Albania several stns have been wandering recently but have settled down. They are: Gjirokastra 1295 and Shkodra 1309. England R. Hallan is a new stn on 1546, 24 hours. Algeria; summer time was in effect in March. Italy Milan 899 is now silent the first Wednesday of the month. Reunion is also using 728 per a QSL. Yugoslavia Belgrade 683 is now on a 24 hr sked with 2000 kw days and 1000 kw nights. Off for maintenance 7x mornings 0005-0400. Nicaragua the following stations are closed: YNAV 860, YNW 920, YNSC 700. (I heard YNAV 860 after this was received, so take it with a grain of salt-CH) Argentina 1030 LRA15 R. Nacional de San Miguel now uses 50 kw. Colombia 690 HJGZ uses 30 kw per the stn. Paraguay 665 XP26 R. Ita Piru ex 650 heard in Argentina. Surinam 914 RANI now uses 3 kw since March 1. Sked is 1030-1900 and 2030 to 0200.

Medium Wave Club News . . . . Algeria 890 French Domestic Service is now 0003. Voice of the Chilean Resistance is carried from 0003-0030. Czechoslovakia 1232 is now 400 kw, silent 7x 0105-0330. The 272 LW tx is now expected to be on the air June 1. Kosice 1520 is now 600 kw. Nigeria Enugu is now on 827 ex 1320. Netherlands Antilles 800 has stopped using the tx for EE pgs.

Papers, radio, and TV all carried stories about a giant solar flare that erupted Wednesday, April 12 and was supposed to disrupt worldwide communications. Shades of Comet Kahoutek, not much happened at all. The solar flux skyrocketed but the A index stayed well inside the unsettled/active area. Much ado about nothing . . . .

Ron Schatz listened to my tape of "Argentina" 1030 from a few months back and sorry to report that he can't hear the ID that I thought I heard. Oh well, I'll just try another 10 years.

NRM12M4 (no name means it's from Mark Connelly)-----

535 GRENADA Mourne Rouge poor w/muffled EE talk by man 0030 4/7.  
540 ECUADOR HCPA2 Tropicana good 0724 4/10 with a couple of very nice ID's. Some MM's he rules the freq here. (Hutton)  
570 EL SALVADOR YS?? unid unlisted Radio Cadena Central on top of the Cuban 0740 4/6. (Hutton)  
570 VENEZUELA YVLX R. Rumbo, Villa de Cura usually under the El Salvadorian stn, 2 ID's 0743 4/6. (Hutton)  
630 CUBA CMHQ Santa Clara w/La Voz de Cuba IS from 1025-1029, // CMQ but not as strong 3/25. (Fawcett)  
640 CUBA CMQ Havana, end of same pgn as 630 at 1022 giving credits & pgn lineup. MX, LV de Cuba ID, then IS to 1030. (Fawcett)  
640 GUADELUPE Pointe-a-Pitre good stop mess of other carriers; 50's rockabilly type song, then man in FF followed by Rolling Stones 0111 4/7. Audio hollow sounding like a bootleg stn.  
640 VENEZUELA YVQO Puerto La Cruz Ondas Portenas w/SS pops; KC and the Sunshine Band. Several ID's, one mentioned 50 kw, another "con la mejor musica". No sign of CMQ 0105 past 0125 3/24. (Fawcett)  
650 DOMINICAN REPUBLIC Santo Domingo HIAT, R. Universal new here at 0337 3/24 w/full ID, welcome to all listeners, ad as Ap. 2000 Santo Domingo. Said 25 kw, and would send pennant to any reports. TC's GNT-4, good past 0355. (Fawcett)  
660 NEW ZEALAND Wellington ZYC 1208 3/18. Poor to fair w/QM reading mx in accented EE. Had to null XERPM which must have boosted power or signed on at 1200 as twas no problem before. (Hall-Patch)  
675.1 COSTA RICA San Jose TLJC R. Sonora ID noted 0550 3/27 after SS ballads. Poor to fair signal w/KBO1 slop. Driftine badly-PPM was 675096 at 0550, 675118 at 0555 w/l Hz error. (Hall-Patch)  
700 AUSTRALIA Grafton ZNR 1307 3/19. Briefly fair audio w/nx items about an Aussie oil refinery, then faded back to carrier. (H-P)  
720 VENEZUELA YVOE R. Vision, Forlamar fair, many lively SS vocals noted, R. Vision Oriente ID at 0023 4/12.

725 SURINAM Paramaribo JAS good w/talk by woman, then pompous fanfare (like from a Roman epic movie), followed by ressee vocal 2357 4/6.  
765 EL SALVADOR YSKL 0454 3/24. Carrier noted here in KOB splash, then quite suddenly QM came up in SS. Some group singing for a few minutes, then YL said "esta es YSKL" soon faded back down and didn't return. NOT enough carrier left for a PFM. Which of the YSKL relays is this? (Hall-Patch) YSKLD, 99% sure-CH  
765a GENERAL Dekar fair w/man in FF 2358 4/6. Fair w/repetitive African mx 0001 4/12.  
780 BRITISH VIRGIN ISLANDS Roadtown ZEVI fair w/Cuban milled; Jackson 5 song then soul style song 0034 4/12.  
782 PORTUGAL Miramar fair w/orchestral mx, then man in FF 2325 4/3.  
800 NETHERLANDS ANTILLES Bonaire still on w/local like signal w/Back to the Bible pgn in EE, demolishing aurora weakened GKLW 0232 4/3.  
825 COSTA RICA TIOS San Jose, sweet thing intoning "Titania" o/slow vocal mx 0552 3/18. PPM of 824941, fair at best. (Hall-Patch)  
826a UNID weak carrier in LA direction 0553 3/21 and 0421 3/24 putting het on Titania. PFM 825930 (5 Hz error) on 3/21. Too much QRN to watch SAN adequately. Any suggestions? (Vestibule-Spot) Nope. So weak in Atlanta that it hasn't produced any audio, making me very surprised that you noticed it. Roland Lindblade reported hearing a Deutsche Welle Caribbean relay on 826 a few months ago, but they were readable the night he heard them, so I don't think this is it-CH  
830 DOMINICAN REPUBLIC Santo Domingo HIJB (Ache I Jota Beh) strong w/ID 0335-"desde Santo Domingo, desde la Caribe", then HIJB jingle, SS pop mx and GNT-4 TC's. ID "HIJB, mas musica". Atop freq 0437 3/18. (Fawcett)  
834 BELIZE (tentative) at 0338 w/"Swine on a Star" in EE by kids and guy singing. Faded out 0342; no spoken word heard but going on intuition, the adjacent channels, and the het sounded 840-ish. 3/18. (Fawcett) weak w/deep fading (especially during ID) as music, then EE bell gone to 0430. Mentioned Belize several times and ads for Belize Airways. 0420-0500 apparent s/off. 3/30, WCCO milled. (Hossiter)  
860 NEW ZEALAND (tentative) Rotorua IYZ presumed the one w/light jazz, then accented EI 0935 3/27. Had to null unid LA for this. (Hall-Patch)  
880 NEW ZEALAND Auckland IYC logged 0954 3/27 by listening to // on 660 w/DX150A. 880 signal was nil to fair w/orchestral mx, not nearly as strong as 660. Fading times seemed different on each frequency also. (Hall-Patch) For what it is worth, fading times have been proven to be different for frequencies separated by as little as a few hundred cycles. This is the basis for "frequency diversity" reception which is sometimes a very helpful trick. For a while I had 2 R390A's (each with a Beverage) tuned to the two sidebands of a stn, and the resultant reception was often greatly better than a single rx and antenna. NRC'er Bill Bailey uses the above system, and it is responsible for many of his amazing TX catches-CH  
890 ALGERIA Algiers stop SAN; fair w/woman in FF 2322 4/3.  
890 DOMINICAN REPUBLIC Santo Domingo HIPJ R. Continental dominant w/ID, old style SS ballads 0244 4/11.  
900 BARBADOS Bridgetown to fair peaks o/Canadian rocker; panel discussion in Caribbean EE w/mentions of Barbados 0046 4/7.  
910.2 UNID LA strong het on WRCQ 0045 4/7.  
914 SURINAM Nieuwickerie fair on peaks w/heavy slop, pgn was female vocal 0045 4/7.  
980 UNID LA w/AA at s/off 0515 4/6. hot Cuba. (Hutton)  
1000 NEW ZEALAND (tentative) Teuranga 120 almost certainly the one w/country mx and QM mentioning NZ 1108 3/27. nil to poor signal. Only SS across the hour unfortunately, so still no positive ID. (Hall-Patch)  
1000 VENEZUELA Moron YVM generally o/2nd LA' 55 mx than "esta es A. Hill" 4 note jingle to the tune of an antique car horn, TC of 8:50 (AST) clinches it as the YV, not the Mexican, 0051 4/7.  
1000 UNID ID sounded like "La Voz de Bereds"; carrier varied freq under modulation, yielding low wobbly het against aurora enfeebled WCF 0249 4/11.  
1020 VENEZUELA La Ascuncion YVRS peaked at 0420 w/ID "mar-par-it-ah" by Q, then SS pops, o/u KDKA 3/26. (Fawcett)  
1040 CUBA CMQ R. Caribe good 4/10 at 0652 hadn't noticed his screaming up 1040 AV before. (Hutton)

- 1055 COLOMBIA HJFZ LV del Centro, Espinal top notch 4/9 at 0510, rock steady and perfectly readable in 4 khz bandpass. Just a tremendous night for the HJ's. (Hutton)
- 1080 HAITI 4VRD R. Nationale, Port-au-Prince in a mess 4/6 at 0257 with a fair FF ID. (Hutton)
- 1090 VENEZUELA (tentative) YVTF R. Vision seems to be the ID here 0556 4/6; I'd be more convinced if this had been reported before. (Hutton)
- 1100 ANTIGUA St. John's ZDK very good w/calupso and reggae mx 0023 4/7. Good w/ID and contest promo 0000 4/13.
- 1110 COLOMBIA HJEW R. Reloj, Cali excellent 4/9 at 0603 w/full ID and mention of Caracol. (Hutton)
- 1120 DOMINICAN REPUBLIC HICN R. Antillas, Santo Domingo good w/18 as R. Antillas, then local SS ads 0253 4/11. (Connolly) good 4/6 at 0250 w/"La Antillas" SID's. (Hutton)
- 1124.7 UNID nil to good carrier noted here 0508 3/20. No audio evident at any time, but GKWX 1130 sloop didn't help. PFM seemed to be 1124705 (5 hz error, splatter kept fouling up the SAH). TISHRB is supposed to be 1125. Anyone know if they're actually 1124.7 and keep OC on after 0430 s/off? (Hall-Patch) they have been between 1124.6 and 1124.7 since they appeared here from 1120. Yes, the leave an OC on, at least an hour and possibly AN. S/off was 0500 when I last heard them-CH
- 1140 CUBA QMJK Camaguey fair 4/6 at 0230 w/the "premier territorio" thing. (Hutton)
- VENEZUELA YWU R. Carora, Carora on top and in the clear 4/6 at 0232 w/full ID including freq. (Hutton)
- 1196.5 UNID but seems to be LV de Centroamericana returned here. I heard a weak "Centroamericana" 0200 4/17 but can't swear to it yet. Onda Tropical has been gone from 1197 since the beginning of February. (Hutton)
- 1200 COLOMBIA HJZW R. Almirante, Riohacha loud on TRF 0208-0242 4/7. There was sporadic QRM from R. Tiempo in Caracas who prevailed after 0242. HJZW had varied LA mx and frequent TC's as "La hora official en Colombia". At 0223 they ID'ed twice as "Guajira, R. Almirante es su emisora". (Rugg)
- 1214 GREAT BRITAIN BBC fair but fluttering considerably; pgm was MoR vocals 0010 4/4. (Connolly)
- 1215 UNID LA 0505 4/16, seemed to be in FF. Wasn't there the next night or at any further checks. (Hutton)
- 1224 COSTA RICA TIPJ R. Nueva Victoria very nice 4/8 at 0427 w/"Nueva Victoria" ID's. Actual frequency is somewhere around 1224.4. (Hutton)
- 1265 ST. KITTS Basseterre good w/EE religious talk 0106 4/12.
- 1268 UNID carrier, bits of African mx during African opening 2345 4/3.
- 1365 HONDURAS HRTR R. Danli top notch-amazing for a stn on which I just recently got my first taped ID- 4/6 at 0317. Clear ID after a series of cuckoos. (Hutton)
- 1375 ST. PIERRE ET MIQUELON very fluttery w/jazz 2349 4/3.
- 1386 UNID WXLE?? 3/27 at 1030. Something weak here w/light continuous pop mx looping SW. PFM was 1386000, 1 hz error implying a new or well maintained xmtr. Format, cx, and PFM all point to WXLE jumping the gun on the 9 khz plan, can anyone confirm? (Hall-Patch)
- 1403 GUINEA Conakry fair w/crowd of people shouting and singing 0028 4/7.
- 1465 ECUADOR HCDY4 R. Iris good (as they have been many times this season) 3/31 at 0120 w/ID. This one ought to be reported more frequently. (Hutton)
- 1466 MONACO Monte Carlo fluttery/weaker than normal w/rigs cl mx pgm 2351 4/3.
- 1475 UNID big carrier, little or no audio here during African opening. Benin? At 2338 4/3.
- 1493 UNID slow ballad mx, then man in FF 2355 4/3' no ID discerned at 0000; signal seemed to loop towards Africa at a time when 1403 was very loud. European TA's generally absent. Ivory Coast suspected per Bill Bailey's loggings of it.

- Mark Connolly, Arlington MA R390A, S42
- Tom Fawcett, Lachine PQ TRF, LW
- Nick Hall-Patch, Victoria BC HRQ, I4100, etc.
- Chuck Hutton, Decatur GA R390A, 1900' Beverage
- Andy Rugg, Montreal PQ TRF
- Eric Rossiter, Orillia, ONT TRF

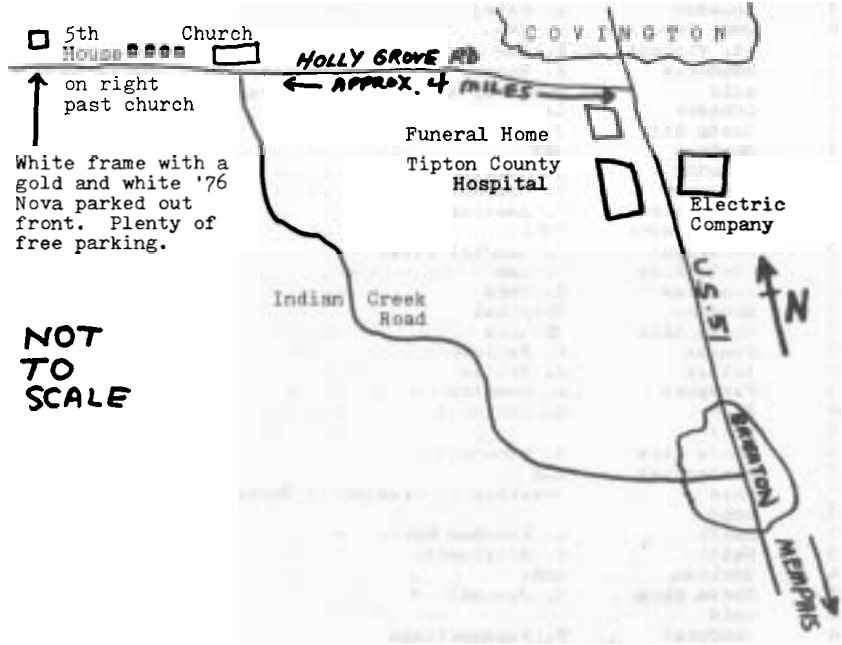
The Canadian TRF issue now is over . . . .

MEMPHIS AREA DX'ERS PRESENT  
**FIRST ANNUAL MADS BASH**  
 MEMORIAL DAY WEEKEND

Date: Saturday, May 27, 1978 Where: Brighton, Tennessee, about 30  
 Time: 10 A.M. 'till ?????? minutes from Memphis, Tenn.

Want something to do Memorial Day? Got the end of DX season blues? Well come to the 1st annual MADS get-together at Larry Van Horn's Country Estate. Activities will include homemade ice cream, general visiting, DX talks, refreshments, a card table (hearts or spades), and for those who stick around, an evening to ??? DX session. Also, the MADS will be discussing the up-coming plans to host the Memphis '79 NRC Convention.

Come learn Mike Heppe's GY DX secret, Mike Dietz' fool-proof plan to DX from a trailer, or my secret plans to rid the country of NSP pests! All in all, bring your receivers, veries or what have you. If you plan to attend, please contact Larry or Mike Dietz, but if you can't, then show up anyway. For more info write Larry Van Horn, Rt. 2, Box 270, Brighton, Tenn. 38011, phone (901) 476-3168 or contact Mike Dietz by phone (901) 353-6675. SEE Y'ALL THERE!!!!



" I'LL TAKE MANHATTAN "

Here is a notice of an open house to be held Sunday May 28 at a spacious loft in mid-town Manhattan. All area DX'ers and those passing thru are invited. Refreshments will be served. Time is 12 noon till midnight. The location is near Broadway and all subway and bus lines stop nearby. The Port Authority Bus Terminal, Pennsylvania Station, and Grand Central Station are within walking distance. The Jan Fong Chinese Cafeteria is on the ground floor (no advertisement). The address: Bill Wurtzel, 32 West 31st Street, Studio 7, New York, N.Y. 10001. My phone is 212-594-8332. An elevator is in the building.



## LATIN AMERICAN SPLIT LIST

Normally drawn up by Ron Schatz, but this time by Chuck Hutton due to the busy schedule of Mr. Schatz.

527	Costa Rica	R. Rumbo
535	Grenada	R. Grenada
543	Dominica	R. Jumbo-off the air
555	St. Kitts	ZIZ
555	Nicaragua	R. Tic-Tac
575	Costa Rica	R. Omega-off the air
595	Dominica	R. Dominica, "DBC"
595.4	unid	
605	Ecuador	R. Huancavilca
615	Ecuador	Em. Gran Colombia
625	Nicaragua	R. Cristal relay
625.2	Costa Rica	R. Cucu
635	Ecuador	Ondas Quevedenas
645	Paraguay	R. Caagauzu
655	El Salvador	R. Nacional
675	Costa Rica	R. Sonora
675	Ecuador	R. Reloj
699	Dom. Republic	R. Mao
705	St. Vincent	R. St. Vincent
705	Honduras	R. Super, La Voz de Olancho-HRAM. Not in WRTH
705	unid	possibly Action Radio, Guyana
715	Ecuador	La Voz de Portoviejo
725	Costa Rica	R. Columbia
725	Surinam	SRS
735	Ecuador	R. Melodia
735	Paraguay	R. Guarani
755	Costa Rica	R. America Latina
765	El Salvador	YSKLD
775	Nicaragua	R. Mundial relay
775	Costa Rica	R. Uno
805	Honduras	R. Yoro
805	Ecuador	Tropical
825	Costa Rica	Titania
825	Panama	R. Peninsula
834	Belize	R. Belize
835	Paraguay	R. Guarira
854	Peru	R. Nacional
865	unid	
875	Costa Rica	R. Monumental
885	Montserrat	ZJB
885	unid	possibly R. Presidente Stroessner, Paraguay
885.4	unid	
895	Haiti	R. Nouveau Monde
895	Haiti	R. Artibonite
914	Surinam	RANI
925	Costa Rica	R. Juvenil
925	unid	
944	Honduras	R. Panamericana
945	Ecuador	R. Ifesa
956	Haiti	R. Carillon
965	Panama	Ondas Popular
965	Nicaragua	unid
965	Ecuador	R. Zaracay
975	Ecuador	Ondas del Pacifico
975	Honduras	R. Monumental
975.2	Costa Rica	Centroamericana
985	Peru	R. Programmas del Peru
985.4	Haiti	R. Caicique
995	Ecuador	R. Suceso
1005	Colombia	R. Colossal
1005	Colombia	La Voz de Galeras
1015	El Salvador	R. Interhacional
1015	Panama	R. Reloj
1025	Costa Rica	R. Fides
1025	Colombia	Ecos del Combeima
1025	Panama	La Voz del Baru-not heard recently

1033	haiti	4VEH
1045	Panama	Ondas del Canagagua
1055	Colombia	La Voz del Centro
1059	Cuba	R. Revolucion
1075	Costa Rica	Faro del Caribe
1085	Honduras	R. Aeropuerto
1085	unid	
1091.6	Colombia	La Voz de Monteria
1124.6	Costa Rica	R. Super- MW ID on the hour. During hour=
1125	unid	R. Ellas
1135	Guatemala	La Voz de la Costa Sur
1135	unid	
1142	Cuba	jammer
1145	unid	Haiti? Citadelle from 1110?
1146	Haiti	R. Caraibes
1155	Nicaragua	R. Consuiguina
1155	El Salvador	Ondas Orientales
1159	Cuba	R. Artemisa
1163	Honduras	R. Paraiso
1165	Antigua	Caribbean Radio Lighthouse
1175	unid	
1176	Costa Rica	R. Casino
1197	Panama	Onda Tropical-now on 1130
1205	Cayman Isl.	R. Cayman
1205	Ecuador	
1212	Cuba	R. Moron-varies from 1210 to 1214
1224	Ecuador	R. El Mundo
1224.4	Costa Rica	Nueva Victoria
1233	Ecuador	
1255	unid	
1265	St. Kitts	R. Paradise
1295	Nicaragua	R. Plata
1306	Paraguay	R. Paraguay
1307	Honduras	R. Majestad
1315	Dom. Republic	R. Bani
1325	unid	
1345.4	Honduras	R. Constelacion
1365	Honduras	R. Danli
1375	unid	
1384	Colombia	Lemas de Colombia
1385	Haiti	4VS
1385	Neth. Ant.	R. Hoyer
1395	Ecuador	La Voz de Esmeraldas
1416	Dom. Rep.	R. Marien
1419	Cuba	R. Baracoa
1424.6	unid	
1434	unid	
1455	Dom. Rep.	R. Salcedo
1456	Dom. Rep.	R. San Cristobal
1465	Ecuador	R. Nuevos Horizontes
1465	Ecuador	R. Iris
1465	Haiti	La Voz du Nord
1475	Haiti	La Voix du Peuple
1475	Nicaragua	R. Consuiguina
1475.4	unid	
1483	Colombia	R. Futurama
1505	Anguilla	R. Anguilla
1505	unid	probably Ecuador
1524.6	Costa Rica	R. Columbia
1527	Dom. Rep.	R. Neyba
1535	unid	
1555	Cayman Isl.	R. Cayman
1555	Ecuador	La Voz del Cuabo
1575	Costa Rica	R. Columbia
1597	Dom. Republic	R. Femina

Wandering stations were included only if holding near a freq for a good while.

# REVIEW OF SOLAR ACTIVITY FOR THE DX'ER

R. J. EDMUNDS

Many newer members of the NRC may notice the periodic appearances of graphs plotting the Fredericksburg A-index, or see other references thereto, but yet may not be aware of how to use this data in the hobby. This article is intended as a supplement to such existing material in Reprints or Monographs as may be available, and not as a complete or scientific representation of the subject.

Radio waves travel through the atmosphere of the earth between transmitter and receiver. These waves may be refracted back to earth, passed on away from the earth or absorbed in the atmosphere, or some combination of these. One of the primary factors accounting for absorption of medium-wave signals in the atmosphere is as a result of solar activity causing reactions in the atmosphere. Solar-geomagnetic activity is usually the result of disturbances about the sun's surface. Therefore, any measure of this activity will be useful to the DX'er who can use it to determine whether or not there is a likelihood of certain signals coming from certain areas will be absorbed, and therefore greatly diminished in strength or inaudible. This data can also indicate that certain other stations from other areas may be more audible due to the removal of usual interference.

This condition is generally known in DX circles as "auroral conditions", when signal paths covering higher-latitude paths are subject to absorption, and those on lower latitude paths may be benefitted by reduced interference from the former stations. The index of solar activity/geomagnetic activity most used by the DX'er is the "A" index, which is measured at various observatories around the globe. In DXN, we usually use the Fredericksburg (VA) values, owing to their availability and proximity to the TA paths. These indices are broadcast over Government-owned stations WWV and WWVH (frequencies in WRTH) and are also published in various sources, including the graph in DXN. The value of the A-index is predicated on the values of the "K" index. The A is the daily value, and the K is measured and reported every three hours.

Values of the A-index over the past decade have ranged from 0 to over 150 at Fredericksburg. For our purposes, the following is a summary of the meaning of these values, along with the adjectives used to describe the prevailing conditions in the WWV broadcasts:

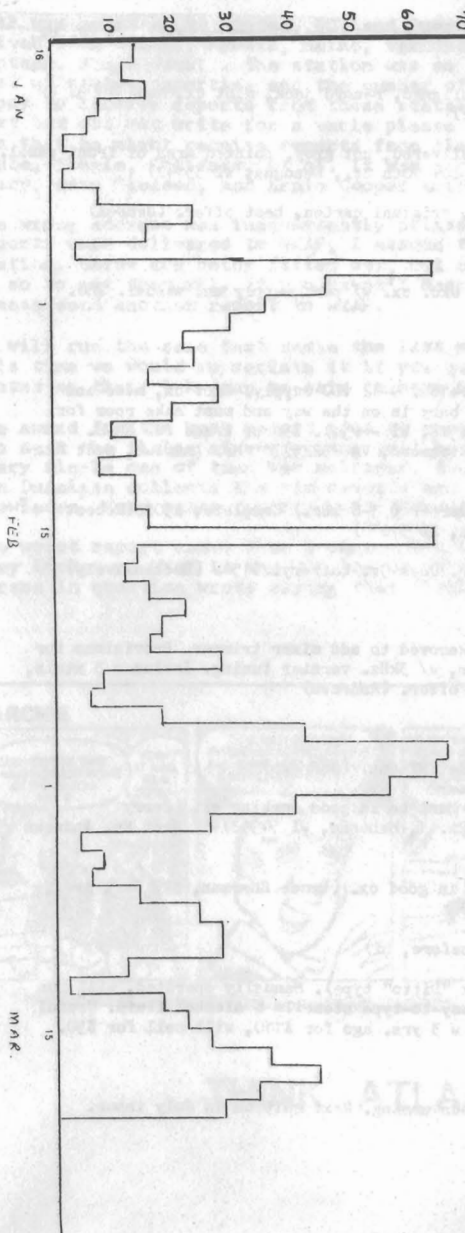
- A equal to or less than 7 : Quiet; No K-indices greater than 2 (range is 0-9). Good chance of pen high-latitude paths if values in this range obtain for a period of several days.
- A between 7 and 15: Unsettled; Usually no K-indices greater than 3. Some high-latitude path disturbances may be noted following quiet cx.
- A between 15 and 30: Active; a few K-indices of 4; auroral conditions prevail; with high-latitude absorption.
- A between 30 and 50; Minor geomagnetic storm; K-indices of 4 and 5 predominate; Highly auroral cx. Absorption may extend to middle-latitude paths.
- A greater than 50 : Major geomagnetic storm; K-indices generally 6 or greater; Extreme auroral cx. Middle latitude paths affected.

Under conditions from active on up, Latin American and Southern domestics will predominate, with mostly only locals audible besides. Stations on more northerly paths may appear, but under an abnormal propagation pattern known as sporadic-E-skip, which frequently accompanies geomagnetic activity.

The solar activity description given on WWV roughly corresponds to the same five gradations, and are described as follows: very low; low; moderate; high; and very high. The solar activity generally precedes the geomagnetic activity unless additional solar activity occurs while the geomagnetic field is already disturbed.

Recovery from disturbances depends somewhat upon the level and duration of the activity preceding the recovery period, generally at least a week of quiet cx are required for even a partial recovery.

Readers interested in pursuing this subject matter more fully should first consult the NRC Reprints List; especially articles P-1, 6, 7, 10, 12, 13, 19, 20; as well as periodic DXN features on propagation. Further information of a more technical nature may be found in the NRC Monographs list.



This graph shows the daily variations in Afr, the Fredericksburg (VA) index of geomagnetic activity in the earth's magnetic field. High values (above 20) indicate that medium wave signals in upper latitude paths will likely be absorbed, thus resulting in "auroral conditions", with signals from the South and from local stations predominating due to this absorption of the more northerly signals. Low values over a period of time indicate a likelihood of more receptions on the higher-latitude paths--more, and more northerly TA's and TP's. Several days of low values following higher ones are needed for conditions to return to "normal", due to residual absorption. Long periods of extremely low values (6 or less) are necessary to raise the possibility of good high-latitude conditions throughout the entire MW band, although this is not the only requirement. For additional information on the use of the Afr and related indices as a DX tool, consult the NRC Reprints List for relevant articles. --RJE

## DXCHANGE

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

Well, looks like time for another column -- 4 submissions showed up last week!

## FOR SALE (receivers)

HEATHKIT GR-78; 54-30 MHz., good cx, w/manual. \$80. (Dan Lester, R1, Box 111, Seymour, WI 54165 (414) 788-4011.)

ALLIED AX-190, w/ xtals for 80 - 10 meters + 11 and 19 meters (WV). Vy gd. cx, w/ manual. \$125. (Lester)

HAMMARLUND HQ-200; all new tubes, aligned, record jack, mint cx, made 1969. W/ manual, \$325 or best offer. (Lester)

BARLOW-WADLEY XCR-30 portable. W/ silvered, not gray, painted area of front panel. Fine cx. Best Offer. (Don Jensen, 5204 70th St., Kenosha, WI 53142)

YAESU FRG-7. Like new, seldom used, original carton, best offer. (Jensen)

## FOR SALE (ham gear)

HEATHKIT HW-7: QRP CW transceiver, exc. cx. w/ pwr. supply and manual. \$60. (Lester)

## FOR SALE (antennas, etc.)

FET AMP for NRC loop w/ matched 2N4416s. 9-12 vDC supply. Exc. cx, made and tested by Bohac. Hate to sell, but baby is on the way and must make room for nursery. 6 months old (the amp that is, hi - rje). \$30 or trade for SM-2. (Kelly Andrews, 7016 Montauk Dr., Richmond, VA 23225) \*\* Mr. Andrews, meet Mr. Kobierecki, below-rje

HAGAN LW FERRITE CORE LOOP. W/ converter ( 3-6 MHz.) Complete, \$50\* (Robert Heckenlively, P.O. Box 281, Yankton, SD 57078)

LOOP. 10x16x4 inches with amplifier. Uses 9v. battery. \$15\*. (Heckenlively)

## FOR SALE (Miscellaneous)

CRYSTAL CALIBRATOR FROM HQ-180AX. Removed to add mixer trimmer. Provisions for 11 fixed frequency crystal channels, w/ 3kHz. vernier tuning. Includes 3 xtals, 1000, 1250 & 3400 kHz. \$12 or best offer. (Andrews)

## WANTED (antennas)

SPACE MAGNET SM-2; will buy or trade FET amp. (Andrews)

FET AMPLIFIER for altazimuth loop. Must be in good working cx. (Jerry Kobierecki, Firelane 10, Box 121, Rt. 1, Menasha, WI 54952) \*\* Meet Mr. Andrews above - rje

DRAKE AL-4 Loop for SPR-4. Must be in good cx. (Bruce Sherman, 117 Hart Ave., Winnipeg, Manitoba, CANADA R2L 0K4)

## FOR SALE (Miscellaneous - missed before, hi)

Sears spirit duplicator (Purple Ink "Ditto" type). Manually operated, will run up to 3 1/2 x 14" size. Uses clean, easy-to-type stencils & alcohol fluid. Useful for local club newsletters, etc. New 3 yrs. ago for \$110, will sell for \$50. (Jensen)

Thassit for this time. Keep those ads coming. Next edition in July issue.  
73's

RJE

## MOST POPULAR DX TEST?

Maybe. The WXAP 860 TEST on March 27 has received over 250 reception reports in 3 weeks, with reports still coming in at the rate of a few per day. Dan Dunnigan, the still amazed CE of WXAP, says that over 300 reports will probably be received by the time they stop coming in. Poor Dan and I expected maybe 30 or 40 for the test, especially with the very high noise level.

WXAP was heard in 43 states, DC, and Puerto Rico. No reports were received from Alaska, Hawaii, Maine, Vermont, New Hampshire, Alabama (1), Montana. Stupendous! The station was so excited that they made up a list of states reporting and the number of reports. They would be very happy to receive reports from those states above, so if you heard the test but did not write for a verie please do so by all means. I told Dan that he might receive reports from Alabama so get going Phillips, Soule, Flegle, Childers, et al. It was nice seeing such names as Kermit Ceary, Dave Gleason, and Ernie Cooper amidst the throngs of reports.

The wrong address was inadvertently printed in DX News. As over 250 reports were delivered to WXAP, I assume that all were directed to the station. Cards are being filled out, but naturally it will take a month or so to get them all. If you haven't heard anything in 4-5 weeks, please send another report to WXAP.

We will run the same test again the last weekend of January in 1979. This time we would appreciate it if you guys would fill in the missing states so their 1 kw can be said to have been heard in all 50.

The award for the best report goes to none other than Dave Gleason, who sent the titles of every song that he heard, plus the year that every single one of them was released. They were all correct, Dave-Dan Dunnigan collects the old records and was duly impressed with your knowledge. Many other reports were thorough, including tapes.

The worst report comes from a person not to be identified. Obviously they looked up WXAP in the NRC log or Standard Rates and Sales as the person in question wrote saying that black soul mx was played.

Chuck Hutton

## ARCHIE



THINK ATLANTA!!!



# Uncle Sam's DJs Bring Stateside To Servicemen

By Ruth Gruber and William F. Campbell

MONS, Belgium (UPI)—Air Force Sgt. Barry Cantor spends his afternoons spinning records for Uncle Sam.

Cantor, of Cape Cod, Mass., is one of 30 disc jockeys scattered among the eight radio stations of the American Forces Radio Network in Europe who every day try to make life overseas a little less lonesome for the 480,000 American military personnel and dependents in AFN's listening area.

Each afternoon Cantor, who has been an Air Force DJ since 1972, beams out a two-hour program of music, patter and public service announcements from the AFN studio at SHAPE—the Supreme Headquarters Allied Powers Europe—near the ancient town of Mons, 40 miles southeast of Brussels.

It sounds just like home—and that's exactly how it's planned.

## 35-Year Program

AFN has been serving Americans in Europe since the middle of World War II in 1943. SHAPE is currently the only AFN broadcast studio outside Germany and has marked its fourth anniversary in February. It broadcasts about six hours daily of live programming and for the rest of the day is hooked into a relay system from AFN headquarters in Frankfurt, broadcasting programs from one of the seven German stations or taped programs from well-known American DJs such as Wolfman Jack or Charlie Tuna.

On all the stations there's a 24-hour varied menu of music, features and public service announcements, punctuated with news bulletins almost every hour, and all of it is pure hometown U. S. A.

"It's basically not any different than any other radio station, except for the fact that we wear uniforms and PR people aren't dropping in all the time," said another SHAPE DJ, Army Sgt. First Class Dick Beacham of Greensboro, N. C.

"We have a difficult programming job for this area as we have to be a home away from home. There's really no other English language station and without that competition we must please a diverse audience—everyone from children to soldiers of all ages all the way up to high ranking military and civilian personnel at SHAPE," said Beacham, an 18-year service veteran who, like all the DJs, had commercial experience before joining the armed forces.

He explained that Americans find it hard to get accustomed to the European radio format, which often includes a lot of serious talk—in a foreign language—between records.

The four SHAPE DJs are justifiably proud of their station. From their studio, decorated with huge glossy photos of new artists and country greats, they use an advanced computerized index system to select record cuts for their shows.

For copyright and distribution reasons they receive song selections shipped over weekly from the United States on oversized discs prepared from record company master tapes.

## U. S. Trends Followed

Though deep within Europe—where music tastes are quite different from home—the DJs keep in touch with American trends for their programming. Stacked neatly in one corner of the studio are piles of Rolling Stone, Billboard, Melody Maker and other trade papers. Top 40 shows closely follow the Billboard charts and local branches of the major record companies are in constant touch to help in arranging interviews with artists who come through the SHAPE area.

"The interviews we do are important," said Barry Cantor, "because they get broadcast over the whole AFN network, all the way down to Italy and Turkey. Often in Belgium we can catch artists at the beginning or middle of a European tour. Hopefully by hearing our interviews on AFN, the guys will get out of the barracks and go to the concert."

Thus, he said, they try to angle the interviews, which recently have included the Doobie Brothers, Cher Bono and Gregg Allman and Leo Sayer, onto a personal level—the all-too-frequently barracks-tied servicemen can identify with.

Sometimes it works the other way, too, said Beacham, a country music expert whose desk is surrounded with photographs of himself chatting with country stars.

Last Thanksgiving, he said, country star Charlie McCoy was in Belgium while on tour with French rock 'n' roller Eddie Mitchell.

"He mentioned to me that this foreign food he was eating was great, but what he really was craving was a peanut butter and jelly sandwich," Beacham recalled.

"So the next night backstage we brought him a peanut butter and jelly sandwich—and tears came to his eyes. The next day, Thanksgiving, he came back to the barracks for a big Thanksgiving dinner and we talked until 4 a.m. about the country scene."

The AFN programming obviously reaches a much wider audience than just American forces in Europe. For one thing, with its all-night, all-music service it fills a decided gap in European programming and at the same time keeps European music fans up to date on American trends. In Belgium, for example, only one other easily tunable station, Dutch Hilversum, broadcasts 24 hours a day.

"We get many letters from non-Americans," said SHAPE station manager Harold Kelley, "and the compliments far outnumber the complaints."

The DJs, however, maintain links with the armed services scene despite their own rarefied world of music and rock stars in which they work.

"A lot of people think because we're DJs we're not part of the service, but we still have to comply with all the rules of any serviceman, like going through maneuvers and weapons qualifications," said Beacham.

"And that one time a year I'm sitting in a fox hole shooting at M-16 sure makes me remember I'm in the Army."

# MUSINGS

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

MORTON D. MEEHAN - 7682 North Star Avenue - Twentymine Palms, California - 92277 **EST**

The first Orientals I've heard since last Fall came in March 20, 1978. First to appear was Osaka at 7am on 830 kHz. 7:30am I switched to 1040 for Shanghai & @ 8am to 655 for Pyongyang. These are my btx three that have been heard over the years. @ 8:20 am on 890 kz I had two Orientals coming in, probably Sendai, Japan, and Puson, South Korea. This reception was on an 80' wire pointed NW to San Francisco. Switching at 7am to a 70' wire pointed NE towards Salt Lake City I completely lost JOBB & had WCOO quite strong. Antennas as well as locations make the big difference in DX & receivers need only be selective and reach the noise level otherwise as the saying goes they are all the same. SM April 2, I tried again @ 7:30am and had nice signals from JOBB-330 & Shanghai-1040. If you Eastern DX-ers would like to hear what these Orientals sound like I'm sure if you tried about 7am for Korea on 2510, 3015 & 3320 kz or for China on 2200, 2340, 3220 & 3290 kz you would hear some of them. These semi-SW frequencies all had signals this morning that were well above S-9. I wish I could get a trace of Hawaii but I guess I'll have to move the mountain ranges in the Joshua Tree National Monument that block my view or else move.

ARNIM LITTEK - 38 Queen Street - Elmira, Ontario - N3B 2T3

Take no notice of the above address which is effectively rendered obsolete come April 17th. When I move back to Toronto, mail w/o CKEY if any soul should like to get hold of me. This Muse is long overdue as I am sure ERC will readily agree to, so here goes. There, that takes care of the last three or four months of active DX. Pretty busy, huh? The great value of DX is partly due to extremely poor CX and extreme activity in other areas, especially education. I'm just finishing my 2A term here at U. of Waterloo in Electrical Engineering, then back to CKEY. I'll find time then for sure, but that will be Summer. Maybe I'll even set up something longer than the present 30' not-so-long-wire. I wish I could get hold of an SM-2 somewhere, or some such portable-type loopstick type affair. I visited the McKay-Dymek outfit in Toronto but he was out of the things they call antennas. Actually, I shouldn't be so hard on them, but if I remember correctly somebody really pated it when it first came out. So even though I intend to give it an ear I don't really expect too much. Actually I could use another TRF too. All my "not-user-serviceable" servicing has somewhat disabled the tuning mechanism and for some reason, an insistent buzz has developed, starting below 1kHz and building to below the bottom end of the dial. While I am on the subject of a new radio, maybe someone in the Toronto area could drop a hint where to go shopping for a fancy rig. I've never even laid eyes on a Collins or a Drake, much less my grubby paws. Help! There, that's it for the excuses. Now, a couple of plaintive pleas to the membership for some assistance. Since I've been connected with CKEY, my boss hasn't got any verie requests. None at all - c'mon, lads! And lastly, as of the latest report, a grand total of three (count 'em) people showed interest in a Questions & Answers column. Now I am absolutely sure there are more than two ignorami (plural of ignoramus) in this Club besides me. So, if you have a burning desire to ask a question or two or three or ---, please do so. And, maybe Ted the Ed will get swamped with your letters. I hope so. 73s, & may ERC type the ends off his fingers. (Heck, Arn - I'm working on the second knuckles now! -ERC)

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

Greetings all. More programming tidbits follow. WKAQ in San Juan is now all-NX. KBEE in Modesto, Cal., WRNB in New Bern, N.C., WRD in Augusta, Me. & WKMC in Altoona-Roaring Springs, Pa. have all joined the NBC radio net. The CBS net has recently added KXND in Tulsa & WQKE in Charleston, S.C. to their list of affiliates. George Ferguson, SM of ZNS-3, Grand Bahama Islands, reports that his station will be boosting power to 5,000w by the end of 1978. Steve Scott of KOMA in Oaklandland has departed for the Lone Star State, on KLIF. With Spring finally arriving, DXing will start to die down in a storm of static. Hopefully by next year I'll be upgraded enough to join the NRC MM Ham Net. That should give added spark to my winter activities. The recent issue of QST carries an advertisement by Palomar Engineers, Box 455, Escondido, Cal. 92025 featuring a NEW Loop Antenna. This particular unit features plug-in loops making this antenna capable of reception on 150-550 kHz (VLF), 540-1600 (AM), & 1600-5000 kHz (160 & 80 meters). Palomar's Loop amp is \$67.50. Plug-in Loops are \$47.50 per frequency desired, plus a \$2.00 shipping charge with Cal. residents adding sales tax. A free descriptive brochure is available at the above address. The Post Office sure works its wonders in mysterious ways. The March 27 issue arrived here right on sked, but the March 20th was received here on April 1 - what a joke. 73.

PETE TAYLOR - KFOG - 900 North Pointe - San Francisco, California - 94109

From Sun Valley, Idaho, 3/27, @ 12:46am, KMTX-950 was noted with PSA and EKL mx. I thought they were a daytimer. KBOI-670 noted at good strength; I thought they'd be weak, protecting WMAQ. And finally, KREX-1100 was noted @ 1:06am in SS at good strength. Sun Valley is an excellent DX location, with one local AM & FM. Skiing isn't bad, either.

THE NEXT MUSINGS DEADLINE IN PROVINCETOWN WILL BE SATURDAY, MAY 27th, SINCE THE USUAL MONDAY IS A POSTAL HOLIDAY, MEMORIAL DAY (MAY 29). LET'S HEAR FROM YOU AND YOU AND YOU - AND HIM!

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

## Solar Flare Could Cause Blackouts

BOULDER, Colo. (AP) — The most violent solar flare in nearly four years could cause radio signal blackouts, telephone circuit outages and displays of the northern lights in the world's northern latitudes later this week, the National Oceanic and Atmospheric Administration said.

A spokesman for American Telephone & Telegraph Co. said U.S. customers probably will not notice any lapse in telephone circuits.

The flare was detected Tuesday by NOAA satellites orbiting 22,300 miles above the Earth, the agency said.

Carl Posey, a spokesman for NOAA's Environmental Research Laboratory here, said the flare will produce a storm in the Earth's magnetic field, resulting in radio signals being absorbed rather than reflected, beginning Thursday.

He predicted widespread telephone circuit outages and said aurora borealis displays — the northern lights — would be visible in many areas.

John Kromka

PAUL MOUNT - 507B Carman Hall - Columbia University - New York, New York - 10027

Tuesday, 3/14, I was looking for WCJW-TEST, TT heard only, 12:15-12:32, o/u WRVA/WNEW. I still need WCJW. Tuesday night, while doing a bandscan tape, I noted these: CJVA N.B. talk o/WGY; WLS WL WGN bad; KMOX good; FF talk & mx alternated 11:28-midnight, mentioning BB players @ 11:58, mostly atop, rock QRM. I pretty well knew who to expect since it was needed I waited for an ID. At midnight they faded as WAKC IDed & someone else went into AI NX (Murphy's). That's bad. But the FF didn't ID till 12:01 - that's good - but my tape ran out just then. That's bad, but before it ended I caught "Ici R. Canada, le --- CKRB, catorze soixante." That's good, and enough for an official tape. Total on 1460 is now 13, second to 1310 w/14. Shows how much GY DXing I do, hi. Thursday I was going to see JOHN KROMKA and DAVE WILLIAMS, but it was snowing at 10am so no go. Friday, 3/17 I didn't start DXing till 2:13am, but it was good - McDonald's spot, soul mx segues about equal to mull'd WRL 2:13-2:46 but no ID. WWRW was tele-talk "Mindline" 2-3am. It was annoying to have that QRM only because one of the callers kept saying "you know" which indicated he didn't know. Good CX this morning, as weak clears were noted like these: Talk on 1560 was CMGB, Cuban Minute Man, 2:51. WDEE-1500 Mich. poor w/c/w, strengthened to fair to poor when I put the SM behind the TRF; ID @ 3. I hadn't listened to 1470 in a while, so CBS NX noted 3:03-3:05, then local NX by woman, then talk about behavior of something. Looking up CBS NX in the Log gave me leads, then a tape playback gave me a "WMBD in Peoria" ID among the WX, first non-Chicago Illinois heard. I looked for WFOK-1440 since WMBD was in, but no dice. WNJR was also doing tele-talk, called "The Other Side of Midnight". I gumbled on a Test on 1390, TT, 3:30-3:45, but lost, WFEL QRM. CFQM, first time on 1320 w/c/w, 3:59 ID. WADD-1280 talking, Barry Menlow heard in null. WHIO-1290 Ohio w/CBS Spectrum 4:07, ID 4:09. Religion on low side of 1270, R. Paradise? Unn. WXYZ/WSPR battling 4:14-4:39 both w/r/r, WSPR not usually this good. A few on 1230 - I've often heard "Gary Arnall Show" but nothing on the name of his employer. One station was WFEI w/promo 4:54. I called WNF, Conn. & talked to Gary Arnall so now I know. Spot for "Reading Eagle" attracted my attention on 850 & heard WBEU for the first time, mostly atop WHIH w/adult-oriented format, "We do it for you" jx, lots of local spots so report sent, 5:11-5:22. WBB-950 fair u/WPAT WX 5:33. WRUN-1150 good w/r/r "R U N, Mx Radio 11-50" ID 5:39. WGDQ good o/null'd WGAR, on early due to WX, rr, Terry Christopher, DJ, first time heard. I hoped to hear WRWJ-1000 6 s/on but no, despite a good null on WINS. W-W s/on 1570, I can think of two unns that fit the blanks. And to bed. 7:3.

DAVE FOX - 333 Douglass Street - Reading, Pennsylvania - 19601

It has been a good DX season, although I would have liked to have done more listening. Enough veries came in, however, to push the total to 700 with v/l from WOPI-1490 being that milestone. Other recent veries include v/l's from WNJR-1430 and WDEE-1500. Some info on local WRAW-1340 may be of interest - WRAW conducts a f/c the first Friday of the month at 12:45am. This check consists of a 1,000 cycle tone for a minute or so. They should ID, and the CE, Russ Mundschen, says that he is willing to verify correct reception reports. He is also willing to conduct a DX TEST which will probably take place next Fall. WRAW is 24 hours with a silent period from 2-8am on SMs - thus the TEST will be on a Sunday morning. A new tower site has replaced the old tower located on a downtown department store & WRAW currently runs on reduced power of about 710 watts daytime and 198 watts during the hours of darkness - as per FCC instructions. As far as counting call changes as new stations is concerned, why not? It is hard enough to log new stations these days with all the NSPers & a handfull of call changes are certainly not going to artificially inflate anyone's totals. Looking back over my logs I see that heard totals may have been increased by 10-12 and my veries totals may have by five or six. Out of 1130/700 this is really insignificant. The ultimate challenge these days in DXing is trying to coax a verie out of a reluctant verifier - no matter what his call may be! Finally, recent MMs, I have noted WMBD-1470 really booming in w/talk show. I guess they recently went AN, but I did not think they were directional to the East! Good DX and let's hope that static levels remain tolerable enough for some Spring & Summer DX.

MIKE TUGGLE - 909 Moores Mill Road - Bel Air, Maryland - 21014

A big thanks goes out to DAVE SCHMIDT for forwarding my WUEZ-1480 verie which somehow got enclosed with his own. Other veries to trickle though are letters from WRYT-950 Mass. on their 2/10 emergency broadcast, and from WIZO-1380 Tenn. I've really got to hand it to the Volunteer State - for some of the (almost shamefully) sketchy reports I've sent out to them, they've never failed to respond. (AR, please take note!) It appears that a rather lackluster Winter DX season is now drawing to an end. CX started out well enough, but around the middle of February, the bottom dropped out. I got a reprieve 3/28 with some really strong AU-like CX which allowed loggings of W300-930 N.C. & W5VA-550 Va. - nary a trace of the Buffalo stations. And good ole KLRA was in there also, smoking my diodes. The Great Tape Interconnect Controversy has certainly been amusing, if nothing else. Has anyone considered using the magnetic telephone pickup devices, such as provided with the small portable recorders? This way, you have no holes to drill, no wires to solder, & no sparks to fly. 73s.

CHARLES GEORGE - 6407 Howard - Dallas, Texas - 75227

I really did enjoy the humor in the pages of DX NEWS, Vol. 45, #23. I have not been doing much DXing since my social life seems to be taking up more time. I received a new verie for a report sent out in August from KIOA, & Ron told me stations do not answer reports that come in the Summer. They do; it just takes them longer, hi! I was at one of the area stores & found out that Drake is dropping production of the SSR-1 & the SPR-4 lines. I guess the Japanese were hurting their market. I was glad to see that the Metroplex has some new members in the NRC: MICHAEL HOPKINS & JAMES PHILLIPS. I have already made my acquaintance known to them via telephone. I always enjoy meeting DXers - I just hope the other DXers enjoy meeting me. 73s.

DEBRA O. HIDDEN - 7310 Autumnvale Drive - Orlando, Florida - 32807

I'm way overdue for a Musing. I have only Mused once in the 3 1/2 years I've belonged. Guess I'm due for another introduction. I'm 25 years old, married 5 1/2 years, no children. I got a B.A. in Radio-TV Broadcasting in '76. I've been DXing since Winter '66-'67. My husband and I own & run a small community newspaper here in South Orlando. We bought it last October and there's just the two of us running it. I'm mainly the advertising/business manager but I do a bit of everything. Working 55-60 hours a week doesn't leave much time for DXing or anything else! In the past 12 years I have DXed from Detroit, Daytona Beach, Pensacola, and here. I've found Daytona and here were the best locations. Daytona is especially good for getting all the small Caribbean stations. My latest totals here are 525 stations from 31 states, two provinces and 26 countries. I got a TRF for Christmas and think it's great. Before it I just used the radios on the stereos we have had over the years. Never have I had an outside antenna or professional receiver so it just goes to prove that you don't need one for getting good DX. My best DX catches have been: KFI-640, KNX-1070 Tirana-1394, Monte Carlo-1466, Nice-1554, & Langenberg-1586. I like to get TAs, deep LAs & the far western states. Of course Cubans are a mess here as is static. Latest radio news here is as of March 12, WHHL-1190 went oldies. They play 50's-60's-70's rock, and were c/w. They're much improved. Lately I've been trying to ID SSES on 890, 1010, 1130, 1140, 1150, 1190, 1250, 1330, 1460, 1520, 1530, & 1600. With only one year of Spanish in Seventh Grade it's been a real struggle. I hope to DX more often in the future. I wish more women would join the Club! 73's. (We'll drink to that, Debra, hi - see next Musing! -ERC)

NANCY H. KANGAS - RFD Box 533 - Pitcherville Road - Hubbardston, Massachusetts - 01452

Greetings from Massachusetts. I have been DXing since I was 12 years old, but only on BCB AM. Being a soldier in the U.S. Army for ten years I have travelled. In Korea, I bought a Trans-Oceanic Zenith radio with 11 bands. In Korea, to get English on the radio was great. Then I got the fever of DXing. I have a lot to learn. It is hard to understand all but all you NRC friends will help me. I love to listen to Radio Finland, because my parent came from there. To hear Finnish & Swedish is a treat, and HCJB, 19 & 25 meter bands are my favorite in the evening but at night I love the AM to reach WML, WHAS, WQAI. To listen to stations here in Massachusetts that I listened to in my Army travels in the Midwest. It's great. 73's & God bless. (Welcome to the NRC, Nancy, and we hope you will send in Musings frequently! -ERC)

DAVE SCHMIDT - 42 Chelwynne Road - Castle Hills - New Castle, Delaware - 19720

Did you know that JERRY STARR once turned down a job at KRZI-1580? Yep, it was for the morning show, said he didn't want to be known as "Wake up with the Wacko from Waco." That's one Hefty Flooper missed on the April Fuel DX SNEWS, hi! To DX: 3/27- WYAP-860-TEST w/oldies, 12:16-12:31am, rough due to the static that morn. 3/28- WLUX-1550 7:05-7:15pm w/religious mx, then s/off in the clear. 4/9 brought one I thought didn't exist, WVIC-1530 6:48-6:49pm w/r/r, then Ac NX to s/off. 4/10 found me over at WILM-1450 again, helping the CE there do audio work and distortion measurements, and I did get home in time to catch WPHG-980 w/their TEST, 3:25-3:40 w/400 hertz TT. The CE says cards will be coming soon, and to those who reported WPHG but never got a reply before, send a new report. F/ups went to WFTR-1450 & WCRJ-1530. Veries have shown up from WIOC-1290 & WSRO-1470, both v/l's, & a Xerox letter showed up from W3SA-1310 on 3/30/78, for a 1/29/76 report. Total: 937. Recently, on one of my visits to WCHE's studio, I brought along the TRF to see if one of these gems could be hooked up for a good sounding effective air monitor, & in tuning over the dial, I noted some of the worst sideband interference ever heard coming from WZZD-990. On the high side, it was very loudly noticeable at 1000 right up to KYW-1060, & it was noticeable down to WPEW-950. When they were WIEG, at times they would kick out some splash but nothing that bad. WZZD is about 20 miles from West Chester. Yet the FCC goes out looking for some little guy who runs his call letters in code after midnight during the experimental period. And the TRF makes a decent air monitor, much better than the car radio that was there when I took over as CE. Thanks to all who called & reported the WCHE TEST, the veries are already out. Best was from Dave Thomas in Tampa, and MIKE HOPKIN in Miss. New Castle's other NRC'er, ALLEN LUCKEY, & I are going to come up with an article on giving the TRF a tuneup. After seeing Allen's realigned next to mine, I broke into it the next day & peaked it up, now WARM-590 is local-like on it. That's it for this time, I hope to get a few more before the FM bug bites. 73's. (Those bugs are hard to kill, now that they've banned DDT! -ERC)

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

WGIV in Greenville, Ala. has dropped its MoR for c/w. KROQ is going to be a bit more difficult to QSL. It's dropping all commercials for the next 60 days in order to hype its new "revitalized" progressive rock format. In case you hear Russian pop/jazz mx on 1390 don't freak out - it's just WBOK in Poughkeepsie, NY on SMs. Billy Parker, the Midnight Cowboy on KVOO Tulsa is switching to a morning slot. Nonathan Schwartz is giving up his night time slot on WNEW effective 4/23. The FCC has given the green light to Albert L. Cain for an AM station on 890, w/50kw. That is quite a job since St. George, Utah only has 7,000 people. The first issue of Radio Guide, N.Y. Edition, has hit the mails & I've enjoyed reading it very much. It contains a wealth of programming info. Once they appear on the news stands I'll purchase a copy & forward it to JOHN CALLARMAN FOR POSSIBLE USE IN PREPARATION OF THE NRC Domestic Log. For anyone wishing to subscribe, the address is Plaza Bldg., 40 Railroad Ave., Glen Head, N.Y. 11545, \$6 annually. A note for all HAMS - as of May, the FCC has announced the Novice class license is now good for five years & is renewable. This has been confirmed by the ARRL on a recent visit. So much for now.



THE APRIL 9th BEVERAGE PARTY - by MORTON D. MEEHAN

The weather had turned bad all over the Southwest corner of the U.S. and predictions for my area of the desert called for early Sunday morning to turn cold with strong winds and blowing sand. Earlier that Saturday morning some 150 miles away where it was raining GOTEPE (Generals of the Beverage Party) John Clements and Don Erickson decided via land line that the Beverage Party was "ON" as over 15 DXers had indicated they would attend. Weather has never (I think) held back members of SCADS as they are devoted DXers. By 3pm the advance party consisting of JOHN CLEMENTS of Los Angeles, PHIL BYTHEWAY on loan from Seattle and myself arrived at the Beverage site some 20 miles East of Twentynine Palms at an isolated area. In the next three hours I must have walked back and forth over seven miles in the sands while John & Phil erected the antenna. Who says DX is not an outdoor hobby? Never have I seen the desert so beautiful with wild flowers. This is a result of a winter of three times our normal rainfall. With the Beverage up at 6pm I set up my table and chair and alligator-clipped my RF-2200 to the Beverage. About that time GARY RAND from Las Vegas drove up on his motorcycle. He had been looking for us for over an hour and must have had a difficult drive in the rain across the desert. About then the rain hit us so we moved inside our cars running wires from the Beverage. The Beverage we had put up pointed to SA & CA according to John Clements. I felt it was a pipeline into Mexico. We never did get the domestic-pointed Beverage up because of the rain and this disappointed me. About 9pm I found the static too heavy and didn't consider CX up to normal and besides the hiking had tired me so I returned home. I intended returning during the night to DX. After I left I understand the only other DXers to brave the weather and arrive were DON ERICKSON of Riverside, MARK ELKEY of Newport Beach and one other fellow; I'm sorry, I didn't get his name. Others who planned on attending used common sense and stayed home. Meanwhile at my home with an outside temperature of 40° and showers continuing all night I DXed some and found stations like WCCO, WHAS, WLS, WSB, & WSM down in the noise. Stations like WCAU, WLW, and N.Y.C. were not making it although a week before they were strong. About 4am I did get Cuba on 880 so maybe signals from the SE weren't too bad. I overslept to 8am and since it was raining I couldn't understand why the Beverage group hadn't come to my place to warm up and with weather conditions as they were, I wasn't going to drive out there. DXing at 8am I found Japan on 830 and the Korean and Jap on 890 fighting it out but all were coming in poorly. These DXers must be a dedicated group to stay out in the cold and rain cramped into small vehicles all night when CX were below normal. I hope their reception reports appear in the bulletin so I can compare what they heard against my loop and 70' antennas only 20 miles away. I doubt if I missed much beyond perhaps hearing a Nicaraguan or two. Eight hours after the Beverage Party was over, the skies were back to their normal blue and temperatures were twenty degrees warmer. (Times, EST).

RONALD F. SCHATZ - 5651 S.W. 2 Court (106) - Margate, Florida - 33068

So 'tis that I missed the "Deep South" issue; sorry 'bout that; but better late than never: 5'11", 185 lbs., 33, in various aspects of radio & electronics for a living, deeper into metaphysics than into DXing. I am an officer in the Miami Lodge of AMORC, which presently takes up most of my free time. I have no affiliation with any political or religious philosophy, nor do I claim any ethnic origin for that matter either. I speak Spanish & Portuguese, & like to make trips to Latin America, free weekends permitting. The latest junket was to Honduras & Nicaragua this past Christmas. I started MW DXing in 1957; then I was living in Somerdale, N.J. I moved here in 1959, joined NRC in '62. My first RX was an SW-54, then an HE-30, now an R-388. I also just added an HQ-180-AC. I also have a TFM-1600 & "TRF" for DX-peditions. My present DXing is mostly IDXD-type, but I had 44 states & all ten provinces logged at last count. I don't report to stations for QSLs or veries. I'm also over 110 countries before I stopped counting. My hypothetical obituary would list: 1) Cuban Lists; 2) LSCA (cardioid loop); 3) v/s for Radio Millón; 4) precision frequency measurements; & 5) terminator transit mechanics (TYM). I hosted the NRC Coral Gables Convention in 1972. Phone here is 1-305-971-3605, best early eves. Warning: R. Millón's Box 592814 has been CLOSED since January, & the station itself is a fig-newton of your imagination. WFUN-790 has been reincarnated as WNEWS, "79 More-News Radio" & obviously in direct competition with WINZ-940. WGBS-710 also changed formats slightly: now it's "Music-Radio 7,000" & resembles an FM rocker. WOCN-1450 is now "Radio 14-50", all SS; WMQZ-1220, also all SS, is "QMZ 12-20". WSRF-1580 may ID "Surf 'n She" past midnight when simulcasting w/WM. WBSR-740's format is "big band." Cuba's ICR is now the ICRT, or Instituto Cubano de Radio y Televisión, & their slogan for 1978 is "Año del Onceno Festival", commemorating their 11th Youth & Student Festival. César Obfio & I will be in ATLANTA, will you? 73 de RFS.

BRUCE A. CONTI - 63 Woolsey Avenue - Glen Cove, New York - 11542

4/4/78

Long time no Muse. I've been studying, and working at WRBB which took over my DX time while up at Northeastern University. Now I'm back in Glen Cove, N.Y. for the Spring on my co-op assignment. My return to Glen Cove brings the return of DXing. 4/2 DX: I heard WJLV-1170 @ 3pm w/ "Eleven-Seven Radio" ID on top of WBRW. WATR-1320 came through with an ID and ABC Info NX @ 4pm w/ WKAP's history of rock program. I heard WRC-980 for the first time since I began DXing in N.Y. I now have a total of 210 stations heard in Glen Cove. Looking back to past DXing, on 7/20/77, I sent a report to WXVA-1550 from West Warwick, R.I. On 1/28/78, I received the verification of that report! Note my new Musing address while in New York. (The DX NEWS still goes to West Warwick, R.I.) 73's.

NEXT MUSINGS DEADLINE WILL BE SATURDAY, MAY 27th. THEN, THE NEXT ONE'LL ALSO BE A SATURDAY - JULY FIRST, then back to our normal deadline day of MONDAY WITH JULY 31, AND THEN, MONDAY, AUGUST 21. PLEASE BE SURE TO MUSE FOR OUR SUMMER ISSUES! DON'T FORGET TO DOUBLE SPACE!

M O T H B A L L M E M O R I E S

CHAPTER LXXXI - STAN MORSE RECALLS FOR US WHAT IT WAS LIKE DXING IN WORLD WAR II DAYS.

ROGER GIANNINI's Musing inspired me to recall those days. Yes, I remember hearing the stations in Nazi Europe during World War II - many a morning I heard the Horst Wessel Lied or "Deutschland Uber Allis" followed by messages to England from Bristol prisoners in the Stalags. Most of the stations heard here were French under German control. I also heard the VOA DX TEST from Algiers on about 1170 kc/s., (Med by Denmark - this after the War's end - arranger picked the day of Full Moon and reception was fabulous that AM! I thought Denmark would be easy, and didn't report, but they were never heard again! During the War, U.S. stations were not allowed to mention weather in any form but M/C of National Farm & Home Hour - Everett Mitchell - was given a waiver, as no matter what the weather was, he always opened the show with "It's a BEAUTIFUL day in Chicago!" The best thing about wartime DX was lack of all-nighters. Most AMs had at least one night off and there were only about 30 AMers in all of North America! In the East, graveyard AMs were as follows: 1230: WJLV; 1240: WEDC, who made Emil Denmark a household word. 1340: WEXL. 1400: WJLB. 1450: WMOE & WWDC (late in War). 1490: WWSW & WJBK, affectionately known to DXers as "The Bobsey Twins". WEDC was friendly to DXers and would sign off once or twice a season for DX programs, and DICK COOPER will remember Betty Fresman's DX TESTS from WISE-1230, Asheville, N.C. each month, dedicating to DXers from all clubs - and Dave Jaffries' tests from WCRD-1230 were well heard. Also, World War II saw the end of broadcasting by two of the "characters" of broadcasting - Dr. John Brinkley lost XERA, and Dr. Norman Baker ended broadcasts on XEWT. In those days c/w music was non-existent in Massachusetts, & I really started to listen for distance, looking for c/w as an eleven-year-old, and hearing XER, Villa Acuña - then picking up a copy of Radex of January 1936 so I'd have a station list. I have an almost complete run of Radex from 1928 to 1942 when they folded - only two misses - and if enough people are interested, I could have occasional items copied and send them in another season, like the old Ollie Ross articles, the Cricket Matches, etc. I also have about 250 Radio Digests - including copies during the International Tests - Sir Thomas Lipton was the first to hear a TA, per headline in one issue, believe it or not! Unfortunately, I lent that issue to a prominent DXer (no longer in NRC) and never had it returned - as a result, I never lend out magazines, etc. and making copies has to be done in Jan.-Feb.-March when I have an easier sked. (We surely would like to hear more of your experiences, Stan - please! - ERG) NEXT ISSUE, we'll return to PETE KEMP for another of his interesting articles on WINS-1010.

HANK HOLBROOK - 7211 Chestnut Street - Chevy Chase, Maryland - 20015

4/11/78

EST

You fellows ready for another Musing from the Chevy Chase/Fair Haven, Md. areas? This is certainly not an amusing Musing as I have only nine stations logged and reported so far in 1978! Since coming back to BCB this past Fall I have been rather disappointed. The band is just cluttered with stations. There are more stations on the air at 3am than during the evening in the 50's & 40's or so it seems. I tried for a number of the DX Specials but only two made it! Stations logged & reported this year from Chevy Chase - underlined have QSLed. 1/9- WRHC-1550 Miami, Fla. 5:34-5:59pm in SS. 1/19- CJRP-1060 Que. 6:30-7:25am in FF. 1/22- WZLQ-Frederick, Md. 1:06-1:32pm. 2/5- WTRI-1520 Brunswick, Md. 9:59-10:19am for another try for QSL (I enclosed a PP/c & they can't seem to send that back); WPUT-1510 Brewster, N.I., 2:02-2:58am through a lot of QRM. From Fair Haven, I logged and reported this year: 1/29- WRTE-1330 Erie, Pa. 5:33 to 6am through a lot of QRM. 1/30- WKVM-1490 on DX 4:30-5am - I got enough for a report and even went out and spent a fortune on Sausa records to try and ID the band music heard. I am sure the one I did not ID must have been the National Emblem March as I found later that was not written by Sousa! With CX the way they are on BCB in this day and age this has to be one of my top DX catches in many a year! This spurred me to write another graveyard not QSLed - WFAN-1340, Washington, D.C. 8:59-10 am. Actually this one is rough at Fair Haven as WMID, Atlantic City, N.J. dominates the channel during the day! Real NE reception there. Signals roll down the water, and my only March logging was from CHN-1190 Charlottetown, P.E.I., heard on 3/13 from 2:06 to 2:30 with fine signals. Some other veries in of late for 1977 reception, all letters, from WZZD-990 Pa., R. Jumbo-545 (I guess this one is now off!); WARR-1520 N.C.; Roseau, Dominica-595; and WDBR-1530 N.C. Veries are sure slow these days, with many out from Sept., Oct., & Nov. They don't answer the way they once did. P/ups will include PP/c's! Veries all-band are at 10,153, of which 2,390 are on BCB, in 101 countries. I hope to see you in the Fall. 73.

RICK A. CARR - 208 1/2 West Graham Street - Bloomington, Illinois - 61701

It's been a while since my last Muse, so I thought I'd celebrate my 1,000th station logged by donning these pages. WJLV-850 was the lucky station, but since then I've logged \$1,017 which was WJVA-1580, Ind. on 4/11 @ 6:02am w/Mutual NX. This week I also snagged verie #720 coming from GJJD-1280. Right now I'm preparing to make a complete (540-1600 kHz) station location map book. The maps will be like the 1570-1580 location maps that FRANK DAILEY submitted in an earlier DX NEWS, only these will be for the whole AM (domestic) frequency range. If it turns out to be a cheap \$\$ project, I'll have as many made for those who want one, at cost, plus postage of course. Further details on this project will be included in a later Muse. One other item, anyone interested in seeing where the DXer makes his most catches, send me a list of how many stations you've heard on each frequency. If room permits, the grand total will also be included in a later Muse. If that fails, I'll send the totals to the contributors personally. I'll close with the loggings of the past several weeks. 3/27- 7:20pm, R. Anguilla-1505, country #39. 3/28- 12:50am, TGW-540. 3/29- 1:19-1:42am, WJRM-1580-Test. 3/31- 1:33-2:32am, KUDA-1290 test; 8:27am, WSDR-1240. 4/2- 3:20-3:31am, WJVK-850 (I thought they were daytime?? I taped them for the record.) 5:29am,

(CARR, con'd.) WKVE-800 test. 4/3- 4:28-4:36am, HJCV-1190 "R Cordillera". 4/6- 8:37pm KSIM-910. 4/11- 4:05am, KBRL-1300 test. I'm in real need of some information on a station (or relay) going by the call WEF-59 operating on 1300 khz. This station was testing Dec. 14 1977 @ 3:57am E.T. and all they gave was the frequency and call. Anyone knowing this station, HELP! Until next time, good DX and 73s.

ERNEST R. COOPER - 5 Anthony Street - Provincetown, Massachusetts - 02657 617-487-9337  
Same old story - no veries received. I want to thank the many of you who sent me condolences on the loss of my mother & those who sent gifts to the church's flood fund. I even heard from some old friends in NRC from whom I've not heard in years. It's great to know there are still people who care - thanks, folks, so much. Recent phone chats here with BILL COLSMAN, TOM BULL, DAVE SCHMIDT (at WCHE-TEST), and RAY ARRUDA. DX: 4/4- CKLM-1570 off; CFOR noted s/off @ 1:05 & WLS-1580 in @ 1:07. Tters on 690 & 1470, 1:28 and 1:45, respectively. Mystery SS on 830, giving TX pips every ten seconds & mentioning the minutes but not the hour, no IDs either, and not heard before or since, noted @ 1:55-2:10 and on. 4/5- Very noisy, WKNY-1490 on top @ 2:02 w/CBS NX, & back to bed. 4/7- TT on 830, had to be WNYC. 1:54. My mystery SS "Provencia Centrale" at it again u/CKLW-800, until knocked off by the OC of PJB @ 2:18, my, they s/on early! SM 4/9- A newbie, but where is he? - R. Cristal-740 running AN, noted 1:32-2:13 & on, no city or country or time zone discerned. They had that old familiar "wolf whistle" as a frequent IS. Daytime regular but seldom heard at night, WBBX-1380 N.H. testing & IDed @ 2:44 after "Blue Bayou." I noted a Chuck Morgan as MC on WSM @ 3:08, could he be the ex-NRCer & ex-WFTN-1240 PD, also known as Sheldon Swartz? MM 4/10- A big nothing - Unn WCAZ-990 r/c-TT good @ 1:20, on top. Tter on 1090 @ 3:14. Something sounding like WVLK-590 u/WEEI w/rrr, are they AN? And a Tter on 1500 3:45 on, unID. 4/11- Unn CHTN-1190 atop WODW @ 1:37; WVEC-1490 atop there @ 1:34; WSGA heading 1400 again, as often. And, a report on WITS-1510, ex-WMEX - the calls changed with the beginning of the BB season - they're NSP with the Muthl Larry King Thing AN. I heard them announce that Mutual has bought WCFL-1000 in Chicago! Thus WCFL becomes the first station OWNED by MBS. Another of my locals was testing, WMLO-1570, @ 2:43, with CKLM off - Vass you dair, Sharlie? 4/12- Tter on 1550 1:32-1:37, no ID. I heard Larry King interviewing WSOC-930's GM on his show, originating at the NAB convention in Las Vegas. 4/14- As Paul Harvey had mentioned a huge solar flare the day before, I avidly tuned 4/14 for some good AU stuff & to my surprise, it was NOT Auroral! It must take a few days to reach the U.S.A.?? Tter on 940 1:33-1:41. An SS noted under the 1380 ANs, unID. 4/15- Provencia Centrale at it again on 800, fighting CKLW, 1:23-2:01 & on. OC-1330 2:21. Unn WRDM-1580 testing w/MOR @ 2:49. Local WAGQ-1150 off/on w/OC instead of AMing. SM 4/16- Two Savannahs topping: WTOC-1290 & WSGA-1400, and R. Cristal again on 740, is AN SMs only. Anybody know who/where he is? Unn WVEC-1490 on top @ 2:34. MM 4/17, Wow, I haven't done it in a year - I overslept, waking around 3:33 to note TT-1450 in/out, & it began to get daylight by 4:10 here, so back to bed. 4/18- Who was the Pop TT/OC tester on 1410 today, who IDed @ 2:11, 2:27, 2:40, & 2:57? I missed 'em all, but it could have been WELM?? Help, please? Thasst - L C U N 14.

AFTER A SUPER ISSUE OF MUSINGS, THIS ONE WAS A LET-DOWN, SO WHAT SAY, NRCers? LET'S BOUNCE BACK STRONGER THAN EVER. NEXT DEADLINE, SATURDAY, MAY 27th. WATCH MY ZIP NUMBER, MUSERS - TWO OF YOU USED STAN MORSS' ZIP LAST ISSUE! (01830)! MINE IS 02657. DOUBLE SPACE, PLEASE!

**GREETINGS FROM ERIE, PA.**

**3rd ANNUAL ERIE CONVENTION**  
Aug. 31, Sept. 1 & 2  
1940

WE ALL HAVE A SWELL TIME-BUT WISH YOU WERE HERE.

THE NATIONAL RADIO CLUB, 317 EAST TENTH ST., ERIE, PA.  
IS AMERICA'S FRIENDLY & PROGRESSIVE RADIO CLUB

From Morton Meehan. It was signed by Leo Herz, Harry Gordon, and Eldon Eddy.

V E R R I E S I G N E R S

540	HICM	le	John Alex Martinez, DJ	J	1250	WTAE	f	John R. Romich, CE	K
	WLIX	pu	Charles S. Right, GM	H	1280	WHVR	q	Barry W Routzon, CE	O
550	WWSA	q	C. Ellsworth Neff, CE	O	1290	WAGE	q	William H. Spencer, GM	O
560	WQAM	fmh	Mitch Wein, CE, N4FJ	IO	1300	WAAC	r	Cleo A. Starkey, CE	K
	WGAN	q	Lyman Brewer, CE	H	1310	KILS	lm	William Zollman, CE	H
	WHND	lm	William Bruff, E	H	1320	WGET	l	Lester M. Blair, CE	O
580	WTBW	q	u/u	I	1340	WMLV	lm	R. J. Russ, CE	H
	WDEO		Chalmers S. Stromberg, CE	E		KHUB	lmh	Larry D. Martens, CE, KoSW	H
590	WLVA	lm	David R. Freer, CE	J	1350	KRAT	q	Douglas Cambell, CE	H
600	WCAO	q	W. J. Marshner, Sr. Tech.	O		WNVA	q	Raymond Waddell, CE	D
620	WSUN	q	Robert Shields, CE	O	1360	WCFL	l	Paul O. Matthews, CE	D
	WDNC	q	Rick Devey, CE	J		WNRS	h	Rick Levy, CE, WHGR	G
655	YSS	qn	Roberto S. Mendoza, D	J		WDRC	q	Wayne Mulligan, CE	O
730	XEX		Gloria E. Parada G, Sec/Dire	E		KNIR	l	Rick Broussard, PD	P
	WMNA	l	Lyle C. Motley, GM	J	1370	KPOS	m	D. J. Atkinson, CE	P
740	WBAW	ql	Thomas Benjamin, CE	O		WCCN	r	Chuck Klefforth, CE	P
	WPAQ	f	Lucy E. Bowman	O		WLTH	f	Ron Borden, E	H
	WVCH	l	David L. Denig, SM	O	1380	WLRO	l	Thomas Pope, CE	H
	WVLN	l	Gene McPherson, O	P	1390	WVON	lh	Jack Layton, IM	H
	KSSS	r	Robert W. Powell, CE	P		WPLM	lh	David Riley, CE, WIAAI	H
750	WSB	q	George Fischer, PD	O	1400	WCSA	l	William C. Garwood, CE	B
770	WEW	l	Walter D. Miller Jr., CE	P		WJET	lm	Robert Lindey, CE	H
790	WTAR	f	John B. Zaun, EM	O		WYSL	lm	Robert M. Collins, CE	H
	KOSY	l	Mickey Glenn, DJ	F	1410	WHAG	lu	James L. Grant, P, CE	H
810	KNSR	l	C. N. Price, GM	P	1420	KOOO	l	Don Denver	H
850	WHIH	qmu	George Kelley, E (NRC)	H		WOC	qlm	Eugene E. McHenry, DoE	H
900	TGMA	l	Jorge Aquino Roque, M	P		WVOT	lf	Gary E. Liebisch, CE	GQ
	Barbados	l	Victor Fernandes, D/Radio	JF	1430	WVAM	l	Roger Croft, ACE	P
910	WERJ	q	J. O. Hamilton, CE	I	1440	KXKL	l	Michael Bartholome, E	P
	KLCN	lr	John Bridges, CE	I	1450	WVGO	lm	Robert C. Haberkost, CE	H
920	KYXX	lm	Jerry Lovell, GM	P		WWSA	lm	Joel F. O'Brien, MxD	H
	WBBB	q	William Blackburn, CE	J		CHUC	lu	Mike Parisot, SE	H
930	WJAX	ql	Ernest Harelson, CE	J	1460	WPVL	lm	John K. Church, CE	H
920	KRAM	q	u/u	I		WKAM	lmh	Ron Yoder, CE, WSCG	H
940	WMAZ	q	W. D. Sowell, Stu E	O		WAXC		R. Bruce Peters, CE	E
	WFNC	l	Randy Jenkins, PD	O	1470	WBTX	f	John P. Mueller, Op M	M
	WCPC	f	Rick Huffman, Promo D	OI	1480	KLMS	l	William Hohnstein, CE, IRCA	H
950	WKAZ	q	Lester W. Lovejoy, CE	J	1490	WVEC		George Hiller, CE	E
960	WTR		E. F. St. Clair, CE	E		WKEM	l	Steve Kennedy, CE, NRC	CQ
970	WWDJ	l	J. M. Salbren, CE	O		WNDU	q	u/u, CE	H
	KVNM	l	S. J. Woodworth, O	P		WBTA	l	William F. Brown, Jr., M	H
	WHA	m	Randy Wolff, CE	P		KYNN	l	Percy Zedgler, CE	H
980	WDVH	l	James Williams, Op M	I	1500	WGIC		Larue Turner, CE	G
990	WNOX	q	John R. Maples, CE	O	1510	WJRC	lm	Pat Christopher, PD	H
1000	CKBW	q	Ralph Borowski, CE	D	1520	KSIB	lm	Rod Haag	H
	WYOK		Fred Tippet, P	E	1530	KECK	lm	Richard M. Simonsen, CE	H
1010	KIND	lm	Nelson Rupard, GM	P	1550	WMLB		Thomas Drake	N
	WITL	l	Lloyd A. Klotz, CE	P		WSHN	xl	Russ Deurloo, M	G
1050	WNES	l	Scott Thompson, PM	I		WCSJ	lm	Robert Darnell, Op D	H
1070	WCTR		Daniel Sessler, CE	E	1560	KCJJ	lm	Ellen McFarland, CE	H
1080	WKLO		Bruce Clark, CE	G		KRCB	l	Chuck Schramek, CE	H
1110	KFAB	q	John A. Bruna, CE	J		WNBK	lu	Glenn L. Garmon, PD	H
1150	WGGH	fm	Mabel Chapman	P		WBCK	l	Albert J. Kipp, GM	G
	CKX	fm	Lawrence Dubois, CE	P		WCNW	l	David M. Sites, CE	G
1170	WLEH	lm	J. R. Livesay, GM	P		WTOD	q	R. R. Sowers	G
	WBRW	pu	Mark Lewis	H		KPMC		G. E. Patterson, CE	E
	WJMQ	l	Thomas Troland, ACE	GQ	1570	WGSR	l	Lew Banks, M	J
1190	WLIB	r	R. Schuster, CE	K		WDEW	lu	Mike Dion, PD	H
	CJMR	pu	Kai Parker	H	1580	WORV		Vernon C. Floyd, GM	E
	WPUP	pu	Farley L. Shaw	J	1590	WQIQ		John C. Dyckman, C Op	C
1210	WILY	q	Jeff Leidel, PD	P		KUUU	f	Norman Gregory, PD	L
1220	WQSA	l	Brook Whaley, NRC/IRCA	I	1600	WQCK	l	Donovan E. Jones, CE	Q
	KIBE	lm	Gerold Klein, OM	P		KLGA	l	Lyn Anderson	R
	KDDR	lm	Timothy A. Branson, GM	P				C R E D I T S	
	KVSA	l	James Hunt, CE	P		A - Frank Wheeler		J - Kelly Andrews	
1230	KOZA	l	James Simpson, CE	P		B - Dave Schmidt		K - Bob Wessolowski	
	KRSY	lm	Thomas Lang, PD	P		C - Stan Morss		L - Steve Francis	
1240	WGBB	f	John S. Martin, CE	O		D - Mike Tuggle		M - Frank Wheeler	
	KBIZ	l	William Willis, ACE	P		E - Elliot Straus		N - Andy Rugg	
	KEMY	l	Joseph W. Lundy, CE	P		F - Charles George		O - John Rouse	
	KAKE	lm	Frank Gunn, VP	P		G - Ray Arruda		P - Rolland Lindblade	
	KODY	lm	David Rinehart, OM	P		H - Ken Chatterton		Q - Ernie Cooper	
	KWOS	lm	W. R. Netsch Jr., GM	P		I - Don Davis		R - Ned Zank	
	WSBC	l	Ken Rasek, Audio E	H					
	KFOR	lh	Kirk A. Trachy, CE	H					
1250	WDAE	q	Richard R. Lucas, CE	K					
	WTMA	f	Joseph Lane, CE	K					

We have quite a few more on hand, and we'll have another pagefull very shortly for you. In the meantime, keep sending in your recent v/s, double-spaced, please. List frequencies!