



DX NEWS

*the magazine of the
National Radio Club*

— SINCE 1933 —

Volume 45, Number 17 Monday, Feb. 13, 1978.

CPC TESTS

- Tue., Feb. 14 WKDR-1070 Plattsburgh, N.Y. 0000-0100, 5000w. non-directional. Will include tones w/IDs on hour and half-hour. Reports to: Ken Martineau, WKDR, Box 518, Plattsburgh, N.Y. 12901. Arr: John Kromka
- Sun., Feb. 19 KYMB-740 Boise, Idaho 0300-?????. Station will extend their regular frequency check. No details available. Information from Rick Carr.
- Mon., Feb. 20 KOMW-680 Omak, Wash. 0300-0400, 5000w. non-directional. Test will include tones, code and voice IDs. Prepaid calls to: (509) 826-0100. Reports to: Jerry Robinson, CE, KOMW, Box 151, Omak, Washington 98841. Arranged: P.R. Estremera, GWDXA. Note: Tapes and overseas reports are wanted.
- Mon., Feb. 20 WPUT-1510 Brewster, N.Y. 0200-0300, 1000w (actually 860w), with approx. 10 min. in middle of test at 4.2w PSA. Will include music, plenty of IDs and talk. Prepaid calls to: (914) 279-7171. Reports to: Chris Lucas, DX Director, WPUT, Brewster, N.Y. 10509. Test could be delayed in event of heavy snow. Arranged: Chris Lucas
- Mon., Feb. 20 KBZY-1490 Salem, Ore. 0400-0500, 1000w. non-directional. Will include tones and voice IDs, mentions of DX testing and GWDXA. Prepaid calls accepted--number to follow. Reports to: Edwin L. Olmstead, CE, KBZY, Box 14900, Salem, Ore. 97309. Arranged: Eddie Ryan, GWDXA.
- Mon., March 6 KROW-1460 Dallas, Ore. 0330-0430, 5000w. non-directional. Will include tones and voice IDs. Prepaid calls to: (503) 623-5769. Reports to: Edwin L. Olmstead CE/GM, KROW Radio, Box 229, Dallas, Ore. 97338. Arranged: Eddie Ryan, GWDXA
- Mon., Mar. 20 KIRO-710 Seattle, Wash. 0330-0730 approx. Proof of performance. 50kw non-directional w/10kw auxiliary transmitter from 0700. Reports to: David Hubert, CE, KIRO Radio, 3rd & Broad Streets, Seattle, Wash. 98121. Prepaid calls handled by GWDXA HQ: (206) 524-524-9310. Arranged: GWDXA.

STATIC FROM HQ

A bit of static this week...for those who finally got unsnowbound and read the earlier DX News issues, you know we'll all be in Atlanta Labor Day Weekend, so now, while that date is still a long way away, is the time to make plans to be there with your fellow DXers. Make your plans while you can still get off on the work vacation calendar and prepare for a great convention. Also, we ask again that you support your club. While the snow still flies and cabin fever is still hanging on, this would be a good time to muse, to write a report for the state where you live for the special Musings section (see Musings for the dates) or to report to Domestic DX Digest, International DX Digest or one of the other columns. We also remind you that the contest editor is busy working away and we urge members to take part in NRC contests.

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Jed

We Get Letters

Pat Heritage

THE PATTERN BOOK reprinting has been completed. Ken Chatterton has received the new supply and will be mailing any orders which were held this week. He will also be mailing the New Member Kits. Ken also reports that the NRC Domestic Log is out of stock. Members are asked to hold off further orders for the Domestic Log. As announced previously, a new edition is being worked up by John Callarman. The new edition will be available this Spring.

MORE PRINTING of our booklet publications will be done soon. Both the Antenna and Receiver Manuals will be reprinted this year. If you have any suggestions, additions or deletions you would like to see in either book please let us know here at HQ.

SNOW DELAYED BULLETINS prompted several cards and letters asking for replacements...but the requests were a little too soon. We checked around the country and found the January 23 issue (#14), for example, was a week late due to postal/printing delays. By the time you receive this, issues #14, #15 and #16 should have been received by all North American members. If you still have a missing issue, please let me know.

THANKS to W. E. Gittings for sending the entire AM-FM section from "Broadcaster" magazine to both John Callarman (for the Log) and to us. I'm sure we'll be able to make good use of the info contained therein.

OOPS! Don Davis writes to tell us that an item in the last "Letters" was incorrect...to a degree. One of the two articles he is working on will include a list of all stations, not just aero-beacons, which have verified in the last year. Sounds like a big project. Please forward him as much information on the stations you've QSLed as you can, as soon as possible. Write Don at 107 Oakdale Dr., Warner Robins, GA 31093.

STICKERS apparently fascinate one of our Italian members, Dario Monferini, who recently sent an "NRC" bumper sticker from Milan. The sticker was for the New Radio Corporation, there in Milan. We'll be sending him some from Louisville stations soon and if you have some bumper stickers you'd like to send Dario, we'll be glad to forward them for you...or, if you prefer, send them direct to Dario Monferini, Via Davanzati 8, 20158 Milano, Italy.

A FRIEND OF NRC, at Colony Printing in New Jersey, Bob Chandler, died on January 11 of cancer. NJPC and Bob had a good working relationship and we in Louisville would like to extend our sympathy to Bob's family.

QUESTIONS?ANSWERS? We've been thinking about a Q & A column as a result of responses to the questionnaire. In the past such a column did not get off the ground...for lack of interest. Now is your chance out there to give us input as to what you would like in a Q & A column--format, frequency of publication and the like. Please send Ted any ideas you may have.

LET US HEAR FROM YOU when you have an idea which will improve your club. We get very busy and are sometimes slow in answering letters, but YOUR LETTERS ARE READ and we do try to answer every letter.

"LOST AND FOUND". Thomas Bull of Washington, DC wrote not too long ago suggesting that we add a "Lost and Found" column to help identify difficult to identify domestic and foreign stations. If there is enough interest in such a column, we'll add it. DDXD and IDXD editors, how about a section of UNIDs every now and then?

THEY JOINED

Welcome these new members--please muse and introduce yourselves soon!!

Kenneth L. Muggli, 12244 NE 136th Place, Kirkland, Wash. 98033.
Paul W. Beck, 14 Elmcrest Drive, Danbury, Conn. 06810.
Dan Gebhart, 1005 Greenridge Drive, Kettering, Ohio 45429.
Don Edwards, 17 Grassdale Road, Cartersville, Ga. 30120.

Also, welcome back to:
Harry L. Blocher, 5801 W. 74th Street, Los Angeles, Calif. 90045.

AM SWITCH

BRUCE WINKELMAN
3324 KETTERING PLACE
GREENSBORO, N.C. 27410
919-294-0774

Greetings and all the best in '78. This column has been delayed for a week or so waiting for more material to show up here but the turn-out this time around has been slim. The weather in the country has been less than ideal (now that's an understatement) and I'm sure that has contributed to the low number of reports. My hearty thanks to the reporters this issue. On with the material at hand....

NEW STATION APPLICATIONS:

900 NH Nashua DI 1000/ (for the old WOTW) 1340 AL Selma UI 1000/250
1000 AR Horseshoe Bend DI 250/ 1490 WA Grand Coulee DI 1000/250
1080 PA Huntingdon DJ 1000/ 1550 GA Vienna DI 1000/

CONSTRUCTION PERMITS GRANTED:

790 WFTB-FL CP: DI 5000/
1420 KUEL-CA CP: U2 5000/1000
1520 KNAV-KY CP: DI 2500/
1600 WIXY-WA CP: U4 5000/2500

CONSTRUCTION PERMIT APPLICATIONS:

720 KDMN-NV CP: U2 50000/50000
860 WAZE-FL CP: U4 1000/1000
1190 KZZY-CA CP: U4 10000/1000
1280 KNAS-WA CP: D3 2500/
1300 KWCK-AR CP: DI 5000/
1360 KXBN-MN CP: U2 5000/2500
1450 KVBH-CA CP: U2 5000/5000

FROM THE MEMBERS:

- 570 WLEL-NC according to public affairs director they expect to remain on-the-air for at least 2 years while appealing non-renewal of license. (BT)
- 1060 WNOE-LA has been using 1 kw at nite while rebuilding antenna system, patterns have been varying. When complete will test after midnite with OC and necessary IDs. The 1 kw operation should continue to March when NSP returns. New nulls will be sharper--gettem now! (PH)
- 1360 WCHL-NC now on with 5 kw days--began on 1/25/78 (the station's 25th anniversary) (BT)
- 1600 WQCK-GA now on with CP(U2 1000/500), sked:0600-0100(Su 0700-0100), format now CWM, f/c 1st Fri 0130-???? using 1 kw ND (DD)
- *1590 WOKX-NC ex-WGLD now on as "OK-16" and CWM as format, they are now the area's only CW station since 1400-WGBG went to POP (BW)

Well, as you can see, pickin's were kinda slim this time around. Hope things will pick up next month. Maybe the weather will co-operate, hi! Have mentioned in the past a listing of abbreviations used in AM SWITCH. For the time being, that project will have to be shelved as I will not have time to compile such a list. Common abbreviations are published periodically in DX NEWS. If any new members (or long-time members for that matter) have questions regarding abbreviations, please drop me a note and I will help you out. Next deadline will be 2/23/78. REPORT!!!

OUR REPORTERS:

DD Don Davis	Warner Robins GA	My thanks also to the following
PH Paul Hart	I lost ur address!	folks for their letters and
BT Bruce Tindall	Chapel Hill NC	suggestions: Joe Brauner, John
BW Your editor	Greensboro NC	D. Bowker and de Ghoti.

73 de WDAHBO

Bruce

DOMESTIC DX DIGEST

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

Thanks Eric for the work you did with the column. Two important points to remember when submitting items; Make them complete and legible, and try to include recent information. Because of the uncertainty of my work schedule the early deadline of Saturdays will be in effect for now. This will give me Sundays to type the column and fire it off to Louisville first thing MM. Let's try it this way and see what happens. You out there make this column what it is, so if you're out there DXing, I want to hear from ya! Because of the transition, this is what little we have.....

FREQUENCY CHECKS

Third Thurs. WQPO-940 MS (FD)
Fourth Mon. WBOB-1490 PA (RA)
MM closest to 15th..WHHO-1320 NY (RA)

All per list.

DX TESTS

KAHL-1410 NE Not heard by FD, RA

SPECIAL

- 1080 WTIO OT HARTFORD - Now has SP every 3rd MM of month 0100-0330 per conversation with GE. (FD) A chance for some Tests on 1080? (RA)
1628 WFSR NY BROOKLYN - "Free Speech Radio" noted 1/23 w/tele-talk & variety of mx. On til 0445. (FD)

MIDNIGHT TO SUNRISE

- 880 WRFD OH WORTHINGTON - 1/27 On AN for state of emergency broadcast due to blizzard. (RA) (FD)
1080 WVGG FL CORAL GABLES - 1/16 Weakly in and out all morn. in WTIO SP w/BFL mx. few announcements. (FD)
1110 CKJD ON SARNIA - 1/29 0317-0333 in WBT SP poorly with IDs, few spots, Pop mx. (RA)
1290 CJBK ON LONDON - 1/16 Good signal in RS w/T40 & snow condition phone #672-SNOW, 0100-0200. (FD)
1310 WIOH CT NORWICH - 1/20 on ET 0200-0222 w/Mx/SIDs. (FD)
1420 WBSM MA NEW BEDFORD - 1/29 noted on RS during usual SM SP 0200-0207. (RA)
1470 WBTX VA BROADWAY - 1/27 Topping freq. 0048-0056 w/ET/TT/00/ID
1490 WOLF NY SYRACUSE - 1/23 Briefly surfaced over WBOB/WPOR 0150-0156 w/Pop mx, Wx & "Best Music WOLF" ID. (RA)
1500 WGFT OH YOUNGSTOWN - On AN 1/27 with state of emergency broadcast due to severe blizzard, at times mixing with WGIO/WAKE. (RA) (FD)
1500 WGIC OH XENIA - Also both on AN crowding this frequency with
1500 WAKE IN VALPARAISO - emergency broadcasts, and some good DX. This on 1/27. (FD) (RA)
1550 WDLR OH DELAWARE - 1/27 Ending emergency broadcast due to blizzard w/sign off at 0006 way under OBE, no Anthem.
1560 WBUK MI PORTAGE - 1/27 On AN due to blizzard w/O&W (FD) (RA) and many announcements. (FD) (RA)

That's it. The unusual weather from time to time can give us all an opportunity to add some good DX to our logs. This weeks findings were brought to you by Frank Dalley in Preston, CT and myself.

Until next time, 73.....

Ray

INTERNATIONAL DX DIGEST

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

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

WTRH Newsletter Volume 6: Haiti 1500 L/VOC R. Select, P-a-P .25 kw. (No indication of what information is a change-CH) Same for 1500 L/WVP R. Citadelle, Cap Haitien.
Colombia 670 HJPL R. Calidad, ex Sport. 1050 La Voz de Cinaruco now 10 kw. 1100
HJGQ Transmisora Surandes ex R. Paisa. 1260 HJDA R. Exito ex Em. Siglo Veinte. 1260
HJMI La Voz del Cesar ex 1240. 1280 Ecos del Mar ex LV del Puerto. 1330 HJFE R. Calidad ex LV del Pueblo. 1390 HJFO LV de los Andes ex R. Ins. 1430 new is HJPK 1 kw, R. Sensacion in Medellin. 1470 HJHT R. Futurama ex Em. Valles Unidos. 1530 HJDM Herald Radial ex Sistema Colibri. Peru 985 R. Impacto ex Programas del Peru.

Finishing off changes from Ron Schatz, observed during travel through central America. El Salvador: 570 R. Cadena Central ex 580. 1040 R. Exitos, La Exitosa, ex 600 or a relay?

From Arctic Radio Club: a report of an unid Bolivian in Chiquito on 1434 at 0410. In their listing of the monthly EBU monitor report: Iman plus a 1st pgn stn w/1000 kw. on 697. USSR info from Olle Alm: new stn on 926 in Turkmenia w/1st pgn. Kaliningrad back on 1115 from 1142. 1286 unid Siberian w/1st pgn 0000-2000.

In the New Zealand DX Times: KMX was easily copied on 1070 when 1ZB moved to 1071. "Little splash" was reported. I speculate that it won't be too terribly hard for us to hear a few of the DU's come November. Australia looks like a good bet with three stn's in // on 854 with 50 kw each. Member Ian Hitchener was in Hawaii (and visited NRC'er Norm Maguire) where he had a talk with Alan Roycroft, GE for most if not all of the Hawaiian stations. Alan said that KNUI 1310 will switch to 200 about May 1978, and that new stns will open on 1110 and 610, but no further info at the moment. Also 2AP Western Samoa had been allocated 710 but did not know of any plans for its use. Nicaragua was noted back on SW 5920 by a member. The stn is Radiodifusora Nacional de Nicaragua and should therefore be //620 MW for those needing help. Lastly, the New Zealand Air Force was operating on 1295 from Pitcairn Island from 1/14 to 1/18. Double sideband modulation was used, with carrier output limited to 50 watts. (They said this was = 3 kw AM, but no way. Maximum of a couple of hundred watts effective AM-CH) (No word on whether the stn will be back on the air-CH)

No name means it's from Mark Connelly. . .

- 525 COSTA RICA TICAL R. Rumbos, Cartago 1/22 at 0330 w/long speech in SS followed by popular mx at 0410. Good sig. (George)
529 ALGERIA Ain Beida good w/man in AA 2311 1/21. (Connelly)
548 ALGERIA Oran vy loud w/AA vocals and violin mx 2239 1/20. Fair w/AA talk by man //529 2311 1/21. Good w/male vocal 2237 1/25. (Connelly)
611 MOROCCO Sebba Aioun ultraloud w/AA talk by man, killing 610 domestics 2312 1/21. Xint w/female AA vocal 2239 1/25. (Connelly)
638 SPAIN La Coruna poor w/apparent SS operatic male vocal 2240 1/25.
660 ST. LUCIA heard ID'ing as "RSL". (Schatz)
701 MOROCCO Sebba Aioun in w/potent carrier, possible group chanting thru W/W slop 0001 1/26.
719 PORTUGAL Norte loud w/PP talk, atop Tunisia, 2314 1/21. Good w/nx in PP 0001 1/26.
720 CUBA Colon CMGN dominant w/R. Rebelde ID, xint level, 2255 1/14.
725 COSTA RICA San Jose TILX good w/lively SS male vocal, then SS talk 0545 1/15. SURINAM Paramaraibo SRS like a local w/slow Caribbean style song, apparently neither in EE or SS 2238 1/18. African influenced rock mx good at 2252 1/20.
728 SPAIN fair w/operatic male vocal //737 2317 1/21.
737 SPAIN Barcelona in slop, vocal mx //728 2317 1/21. Fair w/SS talk 0002 1/26.
746 UPPER VOLTA Ougadougou fair w/female chanting, drum beating, and AA style violins 2318 1/21. March mx at s/off, then carrier cut 0003 1/26.
750 VENEZUELA Caracas YVKS good w/US pops 0546 1/15.
755 PORTUGAL Lisboa strong w/soft cl piano mx 2319 1/21. Xint local like sig at 0004 1/26. Modern cl/jazz piano mx, occasional EE talk by live concert annrc on stage w/orchestra.

- 764 SENEGAL Dakar fair w/instrumental mx 2050 on 1/15, about 40 minutes before local sunset. Oddly WJR and even WBBM were in vly loud at the same time even though both were still 1 1/2 hours into daylight. Good w/male acapella chanting 2245 1/20. (Connolly)
- 765 SENEGAL Dakar s/on 1/23 0600 on this freq, rot 764. FF talk until 0605 when chants started. Good sig over slight WJR slop. (Keeney)
UNID 1/10 0515-0536 SS stn w/man talking about many SA countries. 0520 ID as R. Corporacion, Managua, Nicaragua. (Anderson) Can't find it in WRTH or hear it here-CH
- 773 SPAIN Caceres/San Sebastian xlnt w/Mor SS male vocal then SS talk 2322 1/21. Man in SS in heavy WABC slop 0005 1/26.
- 775 UNID 1/10 0550-0602 SS stn w/many American tunes. ID as R. Enos or R. Eecos or something similar. S/off 0600. (Anderson) Is TIW, R. Uno in San Jose, Costa Rica-CH
- 782 PORTUGAL/EAST GERMANY Miramar and Burg at equal level (loud) 2323 1/21 and 0006 1/26.
- 818 MOROCCO Rabat good w/AA violin and flute mx //827 2324 1/21. Man in AA talking o/mx, //827 0008 1/26.
- 820 COLOMBIA Cali HJED atop WBAP w/festive LA mx 0547 1/15.
- 827 MOROCCO Oujda xlnt like a local, AA violin and flute mx //818 2324 1/21. AA talk and mx //818, loud and atop SS stn 0009 1/26.
- 836 UNID pop mx including Paul Simon, no ID's, 2326 1/21.
- 953 UNID SS talk, poor, prob Canary Islands 2331 1/21.
- 965 PANAMA HOF2 Ondas Popular fair w/first clear ID I've gotten 1/28 at 0450. SAH and slight audio all evening from assumed R. Zaracuy in Ecuador. (Hutton)
- 985 HAITI hVCPs R. Caicique poor to non-existent 1/27 at 2330. Faded up and YL in FF heard, Radio _____ique ID heard as it went into a fade. Wouldn't convince a jury. Freq actually 985.4. (Hutton)
- 995 ECUADOR Guayaquil HCEW2 R. Suceso 1/28 at 2359 w/"esta es Suceso" followed by a few more words and "la romantica de Guayaquil". A fine sig. (Hutton)
- 1027 NICARAGUA Masaya YNLL R. Masaya w/fair to good sig 1/26 at 0330 w/ID and s/off. NA done by choral NA backed by cheap electric organ. Schatz made sense out of the ID after I couldn't find anything on 1020 or 1030 listed like this-they're in WRTH on 1050. (Hutton)
- 1034 PORTUGAL Lisbon fair w/male vocal, WBZ mullied, het from weaker 1035 2337 1/21..
- 1043 MOROCCO Sebba Aioun fair w/rock mx and FF DJ 2203 1/21.
- 1061 PORTUGAL Norte fair w/piano mx 2209 1/21.
- 1088 ENGLAND Crowborough fair, some WBAL slop; 19th century style romantic song, male vocal, then man in EE 2213 1/21.
- 1115 MOROCCO Ouarzazate fair w/AA chanting o/SAH 2215 1/21. Good w/AA chants 2359 1/22.
- 1170 COLOMBIA Cartagena LV de Heroica w/SID 0100 1/17. Good sig. (Hartlage)
- 1176 COSTA RICA Limon TIQ R. Casino 1/9 0535 in EE announcing SW//, then US rock. (Hartlage)
- 1190 CUBA CMJP R. Surcos was my unid from last issue, hbd 1/24 at 0900. (Hutton)
- 1205 FRANCE Borseaux good o/others; man and woman in FF, then jazz 2216 1/21.
- 1214 ENGLAND BBC good w/up tempo Muzak/light jazz 2218 1/21.
- 1220 CUBA CMGY R. Veintesis alone 1/27 at 2300 after WQSA s/off. (Hutton)
- 1223 UNID talk by man, sounded like FF, o/second stn on 1223 and a noticeable het from someone on 1224, 2221 1/21.
- 1268 WEST GERMANY Neumunster poor in WTSN/CJCB slop; woman in GG then mx 2227 1/21.
- 1295 UNID trumpets resembling Albania IS 2229 1/21. (Connolly) Is this meant to mean you heard an IS? If so, it would be interesting to find out if this is possibly the IS of the new Sudanese stn-CH
- 1310 MEXICO Matamoros XEAB 0111 1/17 w/full ID as XEAB and R. Mas. (Hartlage) I checked and can't find it listed anywhere either, Pat-CH
- 1375 ST. PIERRE ET MIQUELON R. France good w/male vocal, slightly weaker than 1376 at 2258 1/21.
- 1376 FRANCE Lille vly good w/YL in FF 2258 1/21.
- 1385 SPAIN R. Centro in w/three others 2259 1/21.
- 1394 ALBANIA Lushnje xlnt w/trumpet IS 2259 1/21.
- 1403 GUINEA Conakry noted w/female chanting 2233 1/18.
- 1439 LUXEMBOURG Marnach blasting 1440 domestics into oblivion on TRF af coastal location: BeeGees song, EE DJ, R. Luxembourg ID, then disco-rock 2225 1/14.
- 1466 MONACO Monte Carlo fair/good w/hymn by choir 2301 1/21.
- 1480 CUBA R. Mayari CMD? Is the Cuban I reported last time? I couldn't make out the ID but Schatz got the slogan and calls. Not listed in any lists. (Hutton)
- 1586 WEST GERMANY Langenberg fair w/GG male vocal of a popular movie theme 2226 1/18. Fair w/jazz 2323 1/20.

-reporters for the last 2 issues-

Jim Ayers-Jackson, Ms. SX-99, DA5
 Rob Keeney-Lawrence, KS. HQ180, 2' 10
 Marc Bergman - Oxnard, Ca. FRG7 mod, 4' loop
 Paul Mount, Teaneck NJ, TRF, SM2
 Mike Anderson - Louisville, Ky. DX160, 3' loop
 L.M. Poda-Akron, Ohio, R300, 60' LW
 Charles George - Dallas, Texas SSR1, SM2
 Randy Seaver-Chula Vista, Ca. HQ180, loop
 Pat Hartlage - Louisville, Ky. HQ180, 4' loop
 Dick Truax-Jeffersontown, Ky. R388, loop
 Chuck Hutton - Decatur, Ga. R390A, 1900' Beverage
 Harry Jones - Vienna, Va. SPR4 mod, Palomar, DA#3, 135' LW

As we have explained previously in these pages, sunspot cycles run over an approximate two-year period, with minimums at either end and again in the middle, hence yielding an approximate eleven year period between minimums. The minimums which occur at either end of these cycles, however, are often not as well-defined or of as low values as those in the middle of the cycles owing to the overlap of two cycles. We have been going through such a period for the past two years, between Cycle 20 and Cycle 21. The theoretical minimum occurred during May 1976, although the first spot of Cycle 21 appeared in late 1974, and the last of Cycle 20 disappeared last fall. The resulting product has been highly irregular and unusually high mean sunspot numbers throughout the period of the expected minimum. We now have information that this minimum was the "highest" of any in the record books, which may explain the poor propagation conditions on the ECB of late. It is now expected that we will reach the theoretical maximum for the beginning of the new cycle sometime in 1981, and indications are that it may be one of the highest maxima on record as well. Better predictions will be available after several more months of observation of the now isolated Cycle 21.

The expected ECB propagation characteristics, then, are not particularly good. We may not expect any significant high-latitude paths to be open for any length of time until the middle of the next downslide, which may be as late as 1983. This would roughly correspond to the previous decline phase which gave us quite good conditions during 1971-73. The last really good such conditions appeared during the minimum amid Cycle 20 during 1964-65. At present, it is impossible to predict whether there will be any periods of good cx on the incline phase during 1978-79. This will depend in large part upon the as yet undetermined extent of the approaching maximum and the rapidity with which it is reached. We may also speculate that during the incline phase we may see a return of at least reasonably good conditions and more occurrences of what has been referred to in the past as "classic" auroral conditions (featuring less Sporadic E reception of Northern domestic stations and more clear Latin American dominance) during such geomagnetic disturbances as may occur during that period, although these latter thoughts are only speculative at this time. More data is needed in order to arrive at any concrete predictions.

An Apr graph follows on page 8.

-RJE

NRC MONOGRAPHS

Once again, it comes time to make mention of the NRC Monographs Service. The Monographs List is a comprehensive bibliography or articles from a number of sources dealing with subjects including propagation, receivers, antennas, accessories and so on. A majority of these articles are found in commercial publications or in scientific journals, and are therefore not readily reproduced for general circulation. Most libraries allow photocopying of one copy of any article per person, for their own non-commercial use. For this reason, we provide these listings as a bibliography, and not as a list of articles of which copies are available through the NRC. Several articles on the list are not available elsewhere, and are so designated in the list. These articles are available in photocopy form through the club.

As of 1/1/78, a supplement is available to go along with the original list which was prepared in April 1977. The supplement is available to all of those who have already obtained the original for a 13-cent SASE. The overall list, including the supplement is available for a 57-cent SASE. Send any requests to R. J. Edmunds, P.O. Box 127, Boonton, NJ 07005.

As of the above date, the listed "X-series" of Monographs, roll-copy reproductions of the index of geomagnetic activity, Afr for 1-year periods in the same essential format as those published in DXN will only be available at \$2.50 per year. The former price was based upon a service from a vendor who has since sold the machine on which these were made. The only other vendor in the area who has such a machine has quoted a far higher price, and there is not currently any alternative for obtaining these copies. Those of you who already have copies of the original Monographs List should take special note of this change.

Electronic Engineering Times - Monday, January 23, 1978

From Bob Hlivak

Last RCA Radio Tower To Be Sold As Scrap

NEW YORK - The last of 12 towers that formed Radio Central, at one time the largest, most powerful radio transmitter in the world, was felled last month, its 120 tons of metal to be sold as scrap.

Located at Rocky Point on Long Island, the towers were put into service by RCA on November 5, 1921. Outmoded by sophisticated radio technology, they hadn't been used since the early 1950s. Six of the giant steel structures, which stood as high as a 40-story building, were demolished in 1952, five more in 1961. James Hepburn, vice president and

technical director of RCA Global Communications, says of the towers which once provided the radio and telegraph communications link between the U.S. and the rest of the world, "They were very massive and impressive, but they're gone."

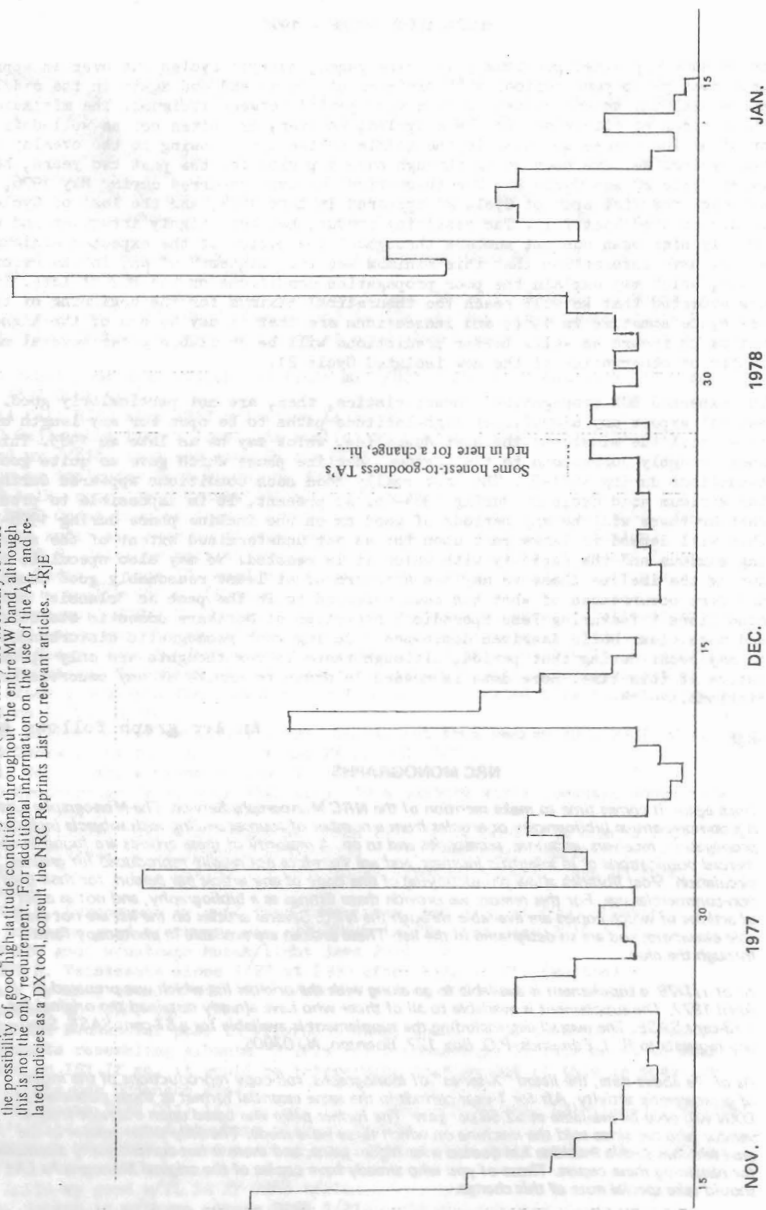
The towers, which consisted of two groups of six, 200-kW transmitters, were replaced by many hundreds of high-frequency antennas, submarine cables and satellites. The old transmitters provided one telegraph channel each and transmitted at a rate of 150 wpm. In comparison, high-

frequency transmitters provide hundreds of channels with a transmission rate of 1000 wpm.

Most transmissions today are made via cable and satellite, with the exception of communications with South America which lacks the most up-to-date facilities. The capacity of the newest transatlantic cable, according to Hepburn, is 4000 voice channels or 30 x the capacity of the entire high-frequency spectrum. Therefore, Hepburn feels that "high frequency is a dying art. It will be gone in the not-too-distant future."

-Dody Riggs

This graph shows the daily variations in A_f , 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 A_f and related indices as a DX tool, consult the NRC Reprints List for relevant articles. —RJE



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N R C

Meteorological Effects on Medium Wave Groundwave Propagation

by R. J. Edmunds

Throughout the past several years, research into Medium Wave propagation has centered around the Trans-Atlantic and Trans-Pacific paths and has dealt exclusively with skywave receptions. In this time, the area of groundwave propagation has been touched only slightly in a couple of articles.^{1,2} Despite this fact, there is still a lot to be explored in this area, especially during the daytime hours when groundwave is essentially the only viable mode of propagation. By daytime hours, we generally mean the time from two hours after local sunrise until two hours before local sunset, in order to be as free as possible of the effects of the ionisation and recombination associated with those times.

As many of the oldtimers may be aware, much of the MW DX propagation theory of the pre-1960's was associated with meteorological effects such as snowstorms, hurricanes, temperature inversions, weather fronts and the like. In the flurry of skywave propagation research, much of this older DX lore has been either pushed into the background or largely ignored. This has occurred despite the fact that there is some relevant engineering research in the area.

The most recent of these currently known to this author was conducted by Paul Godley, Jr., of Paul Godley Consulting Communications Engineers of Little Falls, NJ, which was conducted in the late 1960's, and published in 1970.³ The author has been in touch with Mr. Godley, and has been fortunate enough to obtain copies of much of his research data, as well as some most valuable insights into the project. Also available is some older research, conducted both in the US and in Europe. The vast majority of this research deals with two areas: temperature variation and precipitation. In the former case, significant correlations have been made to indicate that there is indeed a documentable relationship between temperature, both of the ground at the receiving site and with that of the air, either at the receiving site or along the signal paths concerned. It is important to note here, however, that for the purpose of this article, there is an assumption made that the effects have a similar influence on both groundwave (where the signal is propagated essentially through the earth) and spacewave (where the signal is propagated along the earth's surface, through the atmosphere).⁴ While in reality these two propagation modes are indeed separate, it is highly difficult to distinguish them in the experimental case and therefore, the foregoing assumption is made. In the latter case, the correlation is not so well defined, but is nonetheless most interesting.

Most DX'ers are aware of a number of seasonal changes in MW propagation, such as summer static, increased summer noise levels, and generally better DX conditions in winter. The reasons for these trends have many root causes, among them the length of the day and the resultant levels of ionisation, increased atmospheric noise, and temperature. While it is indisputable that the major factor in these long-term trends is the length of the daylight periods, the shorter-term variations are what we are concerned with here. The actual amount of short-term variation in measured signal intensity over signal paths ranging from a few miles up to several hundred miles is highly erratic, as it is dependent upon both frequency and distance, but it is somewhat larger than one might expect. The Godley study based upon paths ranging up to about 90 miles showed variations from peak to minimum of up to 300%.³

Earlier studies by F. R. Gracely, over paths of 76 to 558 miles yielded ratios of up to an astounding 2000%.⁵ Naturally, as the distances increase, the number of variables which may have an effect likewise increase. Perhaps the most elementary of these is the expected variation of both air and ground temperature along the signal path. Obviously, the greater the distance involved, the greater the variation in these values of temperature. In addition, the values of ground conductivity, which vary with geography, become more important at these greater distances. For these reasons, the information presented herein will deal with paths of less than 100 miles, although the variations discussed may not be a factor until further away.

It should be understood that none of the engineering studies referenced in this article were DX-oriented, and thus no attempt was made in them to deal with greater distances of signal paths which may very well be open during parts of the year, but not at others. Readers who are interested in distant groundwave reception on the BCB are referred to articles available through the NRC by Gordon Nelson.^{1,2}

Additional studies have indicated the possibility that the composition of the ground along the signal path and the vegetation located thereupon may play a part in the overall picture, but thus far, the results are both scanty and inconclusive. In addition, some of these studies have also addressed themselves to propagation by skywave as it is related to the earth surface at the bounce points along the paths.^{6,7}

Throughout all of the available research, then, the most definitive factor is still temperature. In the earlier studies, only the air temperature was considered, although various comparisons were made using temperatures at the receiving site, the transmitting site, and points in between. In addition, three-day averages of both temperature and signal intensity were compared, again with similar results.⁵

*
In Figure 1, we have a composite of data from the Godley study, showing the inverse temperature variations of both ground and air temperatures measured at the receiving site in Little Falls, NJ for several local transmitters. It will be noted that the levels of signal strength are very significantly related to the transmitting frequency. At these comparatively low distances, the length of the path is not sufficient to have any impact on the study, inasmuch as all of the distances lie between 8 and 23 miles. In a companion study, Godley showed that variations in signal intensity over paths of approximately 90 miles were indeed greater. We can even see that transmitter power over the shorter distances is not a major contributing factor to these variations. Whenever possible, throughout the period of this study, significant amounts of precipitation are noted on the graph, and throughout much of the first half of the period, the ground was actually snow-covered, to the extent that ground temperature measurements were impossible with the available equipment when the ground was snow-covered and frozen.³

Figure 2 depicts a cumulative two-and-one-half year measurement of the signal from station WMTR-1250 kHz., located in Morristown, NJ, 13.7 miles from the receiving site. In this presentation, we can see the effects of both short- and long-term variations as discussed earlier, superimposed upon one another. Figure 3 is an enlarged-scale version of the comparative variations of air temperature and signal intensity for the same station, over the period covered in Figure 1, which shows much more clearly the short-term variations.³

It might be useful to engage in a study to determine the total effects of power radiated in the direction of the receiver along with distance and frequency, however, to date, no such study is available. It seems reasonable to assume from the data we have that such a composite might indeed be relevant to the discussion. The author is currently engaged in pursuing the possibilities of such a project with Mr. Godley.

Figure 4 represents a periodic study of maxima and minima of signal variations measured in Europe over a period in excess of a year. This graph is patterned after a similar one presented by Gracely Figure 5 depicts a temperature versus signal intensity profile similar to those presented from the Godley study, also after similar diagrams in Gracely.⁵

In addition to the previously-discussed effects, Gracely suggests that there may be a maximum signal intensity at some lower-range temperature, below which temperature, the signal intensity again falls off slightly, although the data provided seem to indicate that this phenomenon may be either very frequency-selective from the middle of the band upwards, or may have even been a fortuitous occurrence, perhaps based upon some other, undefined variables. He notes also that it is difficult to prove this theory using transmitters and receivers in the temperate climates of the middle latitudes, as all of these studies have been so made, owing to the small amount of incidences of extremely low temperatures and the relative brevity of their durations in these areas.⁵ ((Author's note: It is indeed unfortunate that such studies were not carried out during the winter period of early 1977, when such temperatures in these areas were indeed prevalent.))

*figure 1 is on pages 12-13

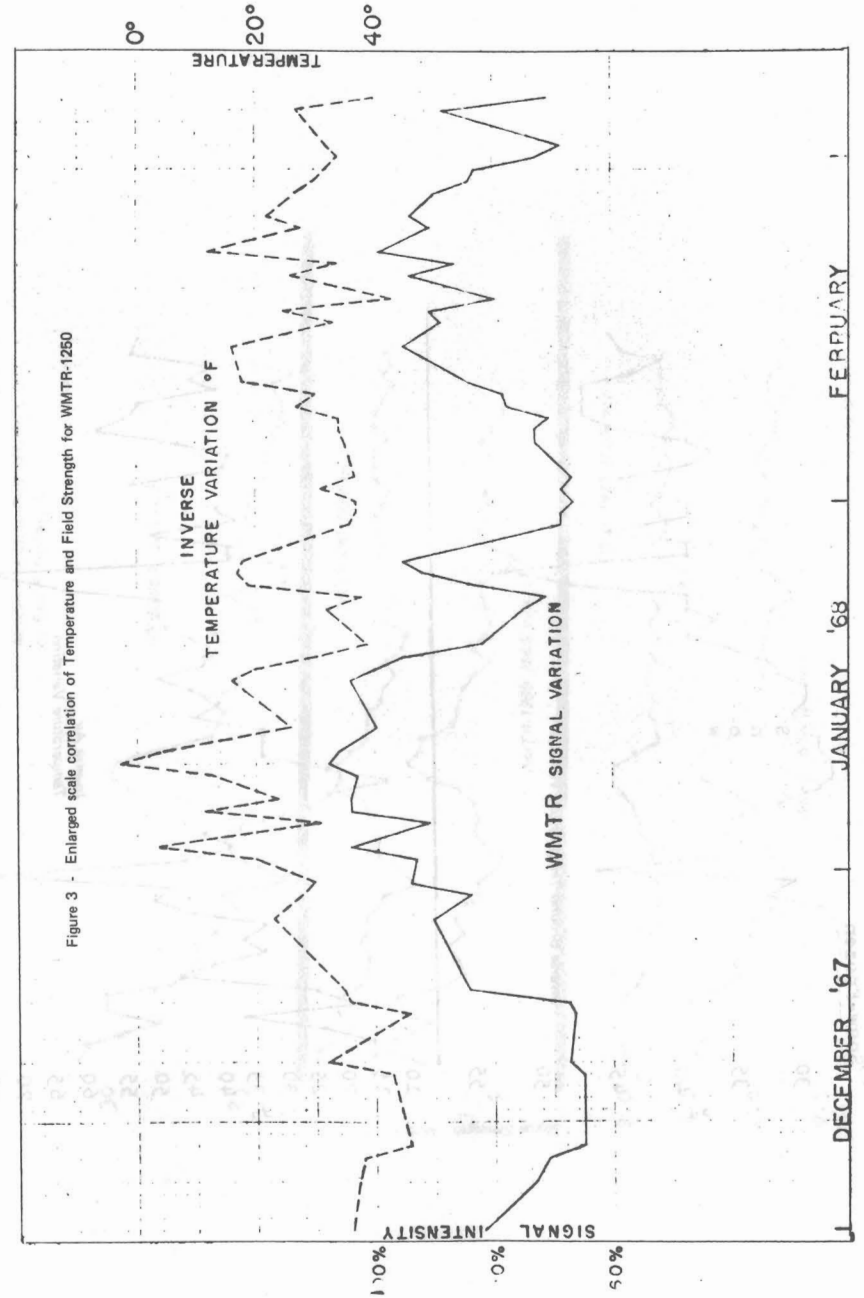
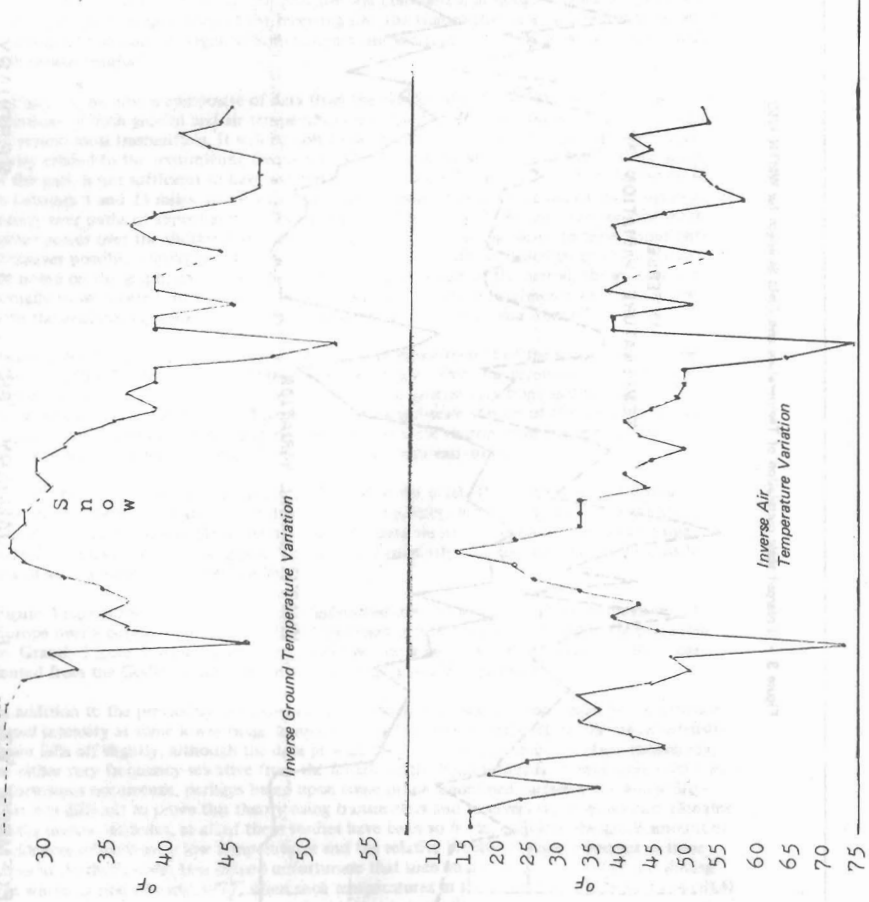


Figure 3 - Enlarged scale correlation of Temperature and Field Strength for WMTR-1250

25 Snow-Frozen



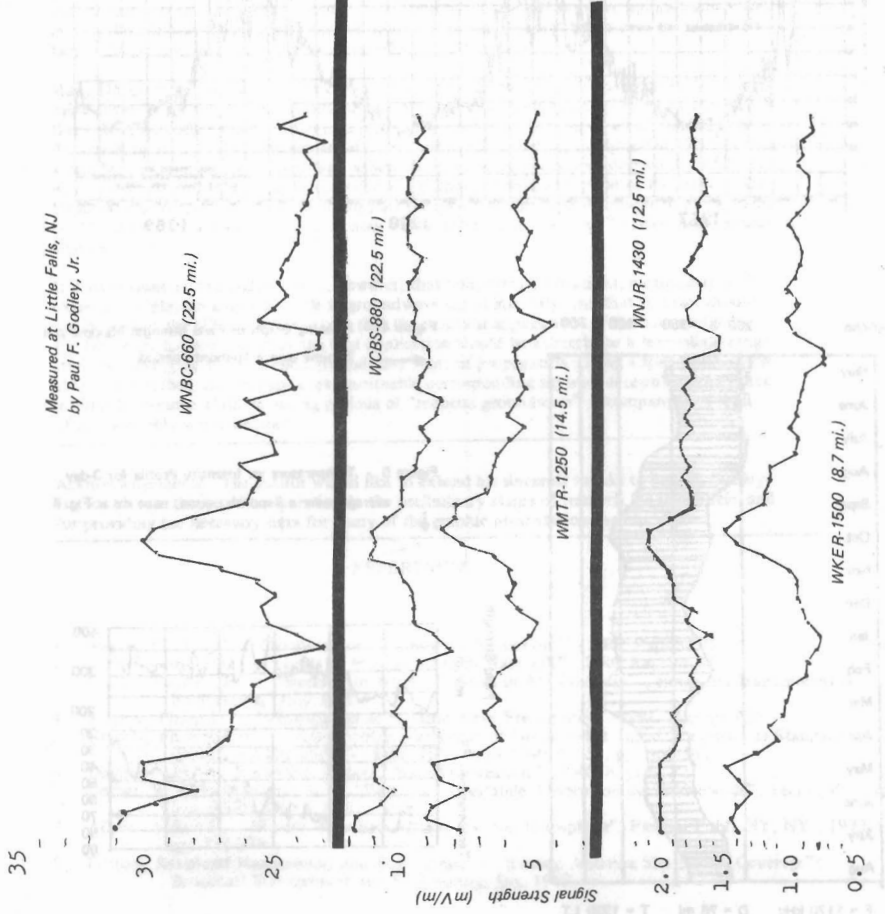
March 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

1967

April 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

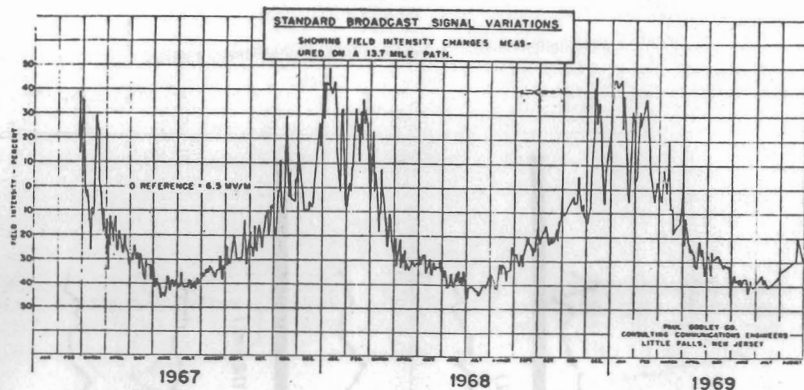
Date

Precipitation

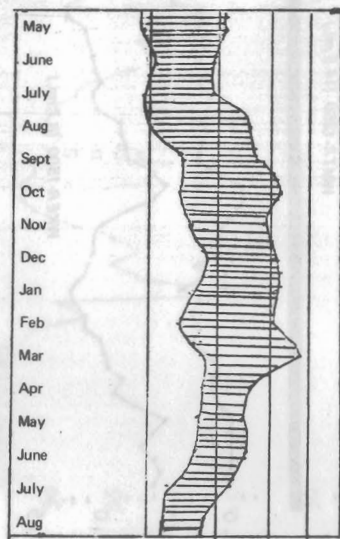


Measured at Little Falls, NJ
by Paul F. Godley, Jr.

Figure 2 - 2½-year Running Measurements of Field Strength for WMTR-1250



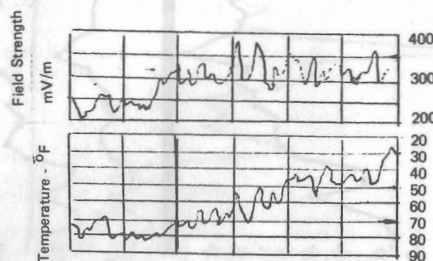
mV/m 200 300 400 500



F = 1170 kHz D = 76 mi T = 1330 LT

Figure 4 - Running Graph of Field Strength Maxima and Minima over a 16-month period

Figure 5 - Temperature vs. Intensity Profile for 3-day averages over a 6-month period, same cx as Fig. 4



Both Gracely and Al'pert discuss the possibility of precipitation with respect to signal intensity. In these studies, it was noted that during and after significant amounts of precipitation, some additional increase in signal intensity was observed, but that other factors such as the ambient ground moisture at the onset of such precipitation, the amount of runoff and evaporation must undoubtedly have an effect on the ultimate amounts of signal variation. For these reasons, no direct correlations could be made. It is believed that changes caused by the aftermath of significant precipitation at the transmitter site could have a causatory effect on the transmitter's grounding system which might alter not only the amount of groundwave signal actually transmitted, but perhaps the patterns (both vertical and horizontal) of skywave signals transmitted as well. This factor, coupled with the differences in precipitation patterns over the longer distances discourages any major exploratory efforts in this area.⁸

Many DX'ers may have noticed the effects of some minor pattern alteration caused by a heavy snow cover, or by deeply frozen ground, and may not have been aware of it. In the early 1960's, this author and other DX'ers often observed it but without any form of scientific documentation. An article by the editors of Broadcast Management and Engineering published in 1969, does make a case for better groundwave coverage, as well as local skywave coverage derived by WOR-710 when their transmitter site was relocated into a partially-reclaimed section of the Hackensack Meadowslands swamp, which tends to support the idea that significant amounts of precipitation could indeed have a material effect on how well a station may "get out" under these circumstances.⁹

It does become increasingly evident, however, that temperature variations, particularly in the extreme, do play an important role in groundwave signal intensity, and that this fact should not be lost on the MW DX'er. It is true that the practical applications of this knowledge by the DX'er are limited. Probably the best application would be a search for intermediate-range stations arriving by an "extended groundwave" sort of propagation during a spell of unseasonably cool weather, and perhaps a less noticeable corresponding skywave reception from other intermediate-range stations during periods of "reduced groundwave" accompanying a spell of unseasonably warm weather.

Acknowledgements: The author would like to extend his sincerest thanks to Paul F. Godley, Jr., for his assistance and cooperation in the preliminary stages of research for this article, and for providing the necessary data for many of the graphic presentations herein. -RJE

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DOMESTIC DX ACHIEVEMENTS

Robert C. Walker
2220 W. Hwy 524
Westport, KY 40077

Some new listings this time but still only 4% of the club are reporting their totals! I'd be more than happy to type all of the membership's totals if you would only send them to me at the above address.

On another subject, several questions have come across my desk recently about what constitutes a new logging. Personally, I don't log call changes but I do count frequency changes. I know there are several DX'ers who do count call changes and I won't demand that you change your totals for DDXA. I don't feel that myself of the club should make a decision on something of this nature as everyone keeps his/her own log differently. Any comments of opinions on this would be welcomed.

The listing this time is by total heard. My next deadline will be 3/15/78 with the column done by total taped. Now onto the listing.

DOMESTIC DX ACHIEVEMENTS #36 February 1, 1978

730,
Bob

23 ALLEN, SF Bay Area	3,006	49	8
30 WHEELER, NW-PA	2,681	50	9
66 SIRGEL, NE-OH	2,140	49	10
70 FRANCIS, E-TN	1,902	46+	7
62 EDMUNDS, NYC (NJ)	1,426	47	9
73 MURPHY, Louisville	1,412	47+	7
68 PIMPER, near Salt Lake	1,365	45	7
62 PISTEK, Chicago	1,361	50+	10
62 ATKINS, Louisville	1,338	49+	7
67 EDDIE, St. Louis	1,232	49+	6
75 TROCHIMCZYK, D.C.	1,189	48	10
76 KROMKA, NYC (NJ)	1,120	40+	9
60 RUGG, Montreal	1,115	47	10
63 ARRUDA, near Boston	1,111	47+	9
64 STRAUS, NYC (NJ)	1,110	42	9
62 MUSCO, Hartford	1,067	46	9
70 HAYES, NE-PA	893	41+	6
67 SCHEEL, E-IA	880	43+	6
74 CARR, C-IL	720	40	5
60 HARDY, B., coastal WA	717	38	5
74 WATERMAN, W-MA	674	38+	8
64 *HATHAWAY, C-IL	666	42	5
74 HEPPE, N-MS	650	41+	5
69 HARDY, N., coastal WA	640	39	5
73**HANAVAN, near San Diego	623	39	5
70 BUEHLER, near St. Louis	589	40+	5
69**HOGAN, NW-IN	576	43	8
73 *AYERS, Jackson, MS	517	33	4
74 WALKER, near Louisville	500	35+	6
73 MOUNT, NYC (NJ)	440	34+	6
76 KORINEK, near San Diego	369	38+	5
?? KAY, Toronto	305	38	8

MUSINGS

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

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

MARC DeLORENZO - Box 466 - Centerville, MASSACHUSETTS - 02632

Greetings. Weekend SSS sessions have netted the following: 1/7- WINZ-940 Fla. L&C well atop channel @ 5:08pm w/WX - 750 in Miami, snowing here; WLAS-910 M.C. atop @ 5:11pm w/ads; WHOA-870 P.R. excellent, alone, 5:17pm w/EE ID & U.S. rr. 1/8- WLOP-950 Fla. surprisingly atop w/rr @ 6:06pm. 1/14- WDON-1540 Md. atop @ 5:15 s/off - first newbie on this channel in seven years (thanks to WPTR). WKBA-1550 IN @ 5:30 s/off replaced by usual WRHC-Fla. in SS; WEYY-1580 Ala. good w/WX 5:45. 1/21- St. Pierre-1375 fair w/man in FF @ 5:15pm, 1 kc. het from Lille-1376; Bordeaux-1205 good w/march mx & man in FF 5:22pm; Morocco-1043 L&C w/FF rock, man in FF 5:30; Toulouse-944 clear w/man in FF 5:41; Morocco-827 fair w/string mx 5:58, man in AA @ 6, then into chanting & violins @ 6:02; Morocco-818 fair w/man in AA 6:05, not // -827; Lisbon-655 L&C w/cl mx 6:11; Upper Volta-746 fair w/bongo-like drums 6:21; all times EST PM; definitely a good TA opening this eve (1/21) with other carriers noted on 1602 1586 (L&C in GG) 1578 1502 1466 (L&C) 1439 1304 1295 1214 1115 1097 1088 1052 1016 989 962 917. Quite a storm last Friday! (1/20). I was stuck in Provincetown 30 minutes in a snow-drift! (Hi, Marc - I was "stuck" in Provincetown for 20 hours, hi - ERC)

ELLIOT R. STRAUS - 72 Sweet Briar Drive #4 - Clark, New Jersey - 07066 201-574-1199

I had an enjoyable time at Paul Mount's GTG on 1/15. It's always a pleasure to meet fellows DXers because really, how often do you get to chew the rag about your favorite hobby? I mean when you tell a guy at work that last night you had pulled an ID on a hard-fought TA or some such and he replies: "You mean you can't talk to 'em?" or "My brother has a transistor SW radio and he heard Moscow" - well, what can you say? Having just recovered from a bout with pneumonia I lost a lot of DX time, including two MM's (sob). Recent veries from CHSC-1220, WREX-1230, WBAV-960, WVLV-940 to total 540. Only newies heard: Fri. AM 1/13- WXAP-860 Atlanta ETing 2:24-2:45 w/many IDs, quasi-normal programming. And MM 1/16- WDM1-1490 Owensboro, KY. w/only a good ID rising through the middle @ 2:20. After reading Bob Foxworth's reprint article on Dling GY's I've spent more time at it and it can be both extremely frustrating as well as rewarding. A station will fade in for maybe only a minute or two & you've gotta try to ID the station and get something reportable, tough. I've ordered hundreds of pages of reprints lately and gotten a lot out of them, some of the articles on propagation and on different aspects of the hobby have opened my eyes to many intricacies of the hobby that I hadn't considered before. Also some DX I forgot: Fri. AM 1/13, 526-7-87 TICAL Cartago, C.R. was the best ever from 1:24 through 1:40 armchair copy as they say, incredible for 250w. I sent a report with fingers crossed. MM 1/16- R. Punto Fljo-940 w/s/on @ 4:20 very good, NA, frequencies given, TC, etc. Same date XEEM-1580 apparent s/off abruptly at 2:05. With further ado

ARTIE BIGLEY - 1923 South Cooper #110A - Arlington, Texas - 76010

Since this is my first Muse an intro is in order. I am 22, single, from San Antonio, and have lived in Arlington about 1 1/2 years. I work for KFJZ Radio, Fort Worth, at their new XR site in Arlington which was built about a year ago in order to cover more of the Dallas area. I am also going to school at Tarrant County Junior College where I am studying Electronics and Electrical Engineering. I am also a member of the IRCA, SPEEDX, NASWA, & NAFMTV clubs. I have been DXing the AM band for the last 15 years, seriously for the last six. I use a TRF for AM reception which I have been very happy with. My Arlington, San Antonio U.S. totals are 873 heard and 290 verified. I have stopped sending out letters altogether due to poor returns (about 40%). I am not DXing as much as I used to also due to a change in my priorities, with school, work, & girls. Several new stations which I have heard on the morning of 12/30 are WVAK-1560, Paoli, Ind., WSLM-1220, Salem, Ind., WKRA-1110, Holly Springs, Miss.; & KOTX-1510 Childress, Tex. My best catches to date are WDR-1586, CJNB-1050, CKBI-900, KUUU-1590, and KTHR-1240, test. Most of my new stations at the present time which I receive are testers, or on for emergency purposes. That's all for now, 73 & good DX. (Hi, Artie, and WELCOME to the NRC & Musings! We hope you'll DOUBLE-SPACE us Musings often! -ERC)

ALBERT S. LOBEL - 10514 Caminito Boulevard - San Diego, California - 92126

I just thought I'd send in another short Muse. This must be some sort of record for me. The IRCA Advisor usually keeps me busy this time of year. However, ads are reaching an all time low. Some of you NRCers who are also IRCAers please send me some ads. I hope all of you are DXing! Maybe the 'Ol' Captain' isn't; but, that is no excuse for you not to DX! Hi, Captain! Well, till my next Muse (when will that be? Maybe, the Captain will know. If he ever comes out of hiding!!) 73 & good DX. (I think Captain Glotz is hooked on Pottz! -ERC)

THOSE SPECIAL STATE DEADLINES COMING ALONG ARE: 2/20 for IOWA, INDIANA, ILLINOIS; 2/27 for CONNECTICUT, NEW JERSEY, RHODE ISLAND; 3/6 for PENNSYLVANIA & OHIO; & 3/13 for NEW YORK.

MARK CONNELLY - 52 Amsden Street - Arlington, MASSACHUSETTS - 02174

A brief re-intro, for the "MASSACHUSETTS Musing Issue". I'll be 29 in March & I've been DXing since I was ten. I'm married & presently living in the first storey of a two-family house. Mary Lou & I hope to be living in a house of our own within a year or two. My job is that of an electronics technician & engineering aide. Other interests include ham radio, photography, nature study, languages, architecture, and music appreciation. My parents live in West Yarmouth on Cape Cod; I visit them every month or so & often DX from their home. My main interest in MW listening is international DX, but some domestic DXing is also done. Recently, the blizzard of 1/20 provided interesting DX. Some daytimers were noted on for the storm emergency; WCCM-800 on w/storm info, slightly o/CKLW, 5:48pm. CHNS-960 unusually loud o/Sutatenza/WFGL, 5:54pm - pattern change? WLLK-980 dominant o/CKKM, 5:57 pm. WGTR-1060 on w/storm NX & info, badly hetted by Portugal-1061, 1/20. WVNH-1110 poor u/nulled WBT, 6:11pm - hearing how badly some of these daytimers on late got clobbered by the clear channel jobs was a revelation. WGTR was noted on as late as 11:15pm, off by 11:45pm, 1/20. "WPOT" on 1625 heard on 1/21 @ 6:05pm; "Glass Onion" by the Beatles was played, then the DJ said that the turntable was broken and that talk would follow. Phone call was taken from a girl in Sheephead Bay. Brooklyn, N.Y. was given as location for WPOT; phone #212-830-9900. On the international DX front: TA's were good from just before Christmas to just after New Year's Day. Auroral CX, held sway from 1/5 through 1/14, then short skip from 1/15 to 1/20. TA's became good again on 1/21. I'd like to put out a word of encouragement to EC DXers to dig for those TA's & to keep Chuck Hutten busy with copious loggings sent to IDXD. After all, this is the last season of the "old style" TA channel allocations. For now! 73.

ERIC FADER - 23-35 Bell Boulevard - Bayside, New York - 11360

Hi all. Reading DDXD I notice Neil Kazarov in R.I. logged CFAC-960 the same AM I did, except an hour later (3:30am). But he followed it up with CJGX-940 & I followed up w/a WINS spur on 1140. Nice going, Neil. MM 1/9-1am tune-in, loud SS mx proved to be Eudora Atlantico w/ID, news HJAG-1070. No sign of TEST. Some on 1160 said "kiloherzt" 1:14, but that's all I caught. Must've been a test ending. CHTN-1190 very loud 1:15. Cuban on 1270 ticking away, 1:18. UNID-1490 w/CBS NX @ 2, this is a log change for someone, but who? Also a rocker there, likely WXIT, W. Va. WOR-710 local pest w/OC off 2:09-2:19 tune-out. A WCBS parastic was there on the OC, but R. Super, HJMI was very loud w/IDs when the OC was off. Someone else very weak underneath. SS u/WLW-700 likely un HJ. (I think it's THB, Eric - R. Rolo), an ANER -ERC) Tues. 1/10- WRAA-1330 at 12am tune-in w/ID, into r/c, new & easy. Tentative WQVA-1490 w/TT @ their r/c time u/WUSS mess, 12:30-12:35 tune-out. Unn WAZI-1490 Pa. was weak, then faded UP at ID time! That's been happening to me a lot lately. (Fades' Postulate: "Graveyarders may fade up for ID, if and only your hopes of same are not excessively high.") WWSG-1450 spoiled shot at WREL-Va. f/c @ 1am. 1/10 night- Super AU had CKLW-800 buried u/PJB. UNID SS-1580 likely un HJ. R. Clarin swapped CJBC-860 @ 10:15pm. Unn HJJB-830 strong o/TV or HJ et al. 10:23. UNID SS-790 10:32-10:38 o/WAEB-rr. Now the real mystery - SS on 800 u/PJB/CKLW, 10:40. They had jingle TC "diez cuarenta y cinco", one or two minutes fast. 'Twas tough to hear 'cause I couldn't null PJB at all. Slow SS vocals mixed with bouncy mx was taped 10:47-11pm. I have to put some time into that tape to pull an ID - assistance welcome, tape available. WJW-850 on top 2:15/1:11 AM, as CX were no longer AU. Needle WYJZ-860, heard by sheer luck on ET 2:17 into soul mx, briefly o/HILR, and gone by 2:19. Thatzit fernow, from snowy Bay Terrace. 73s.

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

The Elizard of '78 is now history after dumping close to 18" of the white stuff in the Fairfield County area. I've heard more WX reports during the last 24 hours than I've heard in the last six months. Effective January 30 the Mutual Network will replace the Long John Nebel-Candy Jones Snow with Larry King of WIOD in Miami Beach. (We have a Larry King on local WVLG-1170 from s/on to 10am also -ERC) Long John & company will remain on WMCA. WLAD-800, Danbury, Conn. is now programming oldies hyped by give-aways, call-ins, etc. WMCA in New York has dropped the Yankees and have signed the METS for next year. The Yanks are presently negotiating with WINS. The ratings sweep of NRC for the period October-November reflect the following, in order of dominance: WABC, WELS, WOR, WCBS, WINS, WFLJ, WPAT, WNEC. (WELS & WFLJ are local PMers). WWTC in Minneapolis is considering a cutback in all NX operations with a projected change in management. Charlie Warren has left WFTL in Miami to be replaced by Terry Gross. The KOB-WABC squabble, the oldest on the FCC docket, may soon make it to the Supreme Court. Stanley Hubbard, owner of KOB, is now seeking a writ of certiorari and the court has granted counsel until Jan. 6 to file a petition. WMV, Pocomoke City, Md. has been fined by the FCC for failure to make equipment performance measurements of the main and alternate XRs. Maybe someone in the area should check them out for a possible CPC. While on the subject of fines - KSM Moses Lake has been notified by the FCC that they have been operating in excess of 105% of authorized power. Anybody QSLed? So much for now.

RON SCHATZ - 5651 S.W. 2nd Court (106) - Margate, Florida - 33068 305-971-3605

Yaw, greetings gentlemen, including our Svedish members. I just got back from Managua; look in IDXD for the info. CMW has moved to 600k, some two months ago, straight atop CMKV, leaving R. Santa Maria as my first regular Dominican daytimer. PRN, the Physicians' Radio Network, is a 24-hour national news service for doctors. It is carried only on SCA sub-carriers, locally via WGL-107.5. Their commercials, mostly for drugs, are a novelty to hear. I tried successfully for KFI-641 the first AM, but since my loop is useless in this steal apartment, I had to resort to the "phaser" on my R-388 (set to "stun", hi) & slicing up CMQ-640 by turning off the AGC & setting the RF gain to full blast. Murphy's Law (continued)

(Schatz, con'd) is the story of my life, hi. Nostalgia: Remember CBC's Trans-Canada and Dominion EE nets? CMCA in English? Radio Americas on 1160, 1165, then 1157? ZEM1-12357 WOA-1040? R. Caribe-860 in Ciudad Trujillo? XEN-695? Clar channels? Fifteen years ago DX NEWS was published by Ray B. Edge ("Pop"), Fred Van Voorhees had IDXD, Joe Brauner had what was then called "DX Down the Dial" (DXDD), & a guy called Lefty did "Musings of the Members". Peter V. Taylor, still with KFOG as then, soon took over IDXD; & Dick Cooper relieved "Pop" of the mimeo job after the Denver "revolution" set in - later to become IRCA. The big name in TA DXing was Ben Dangerfield III, who hadn't yet been re-zoned out of Chester, Pa., Roy Hillar had to TP's in hand in Washington, & some Miami member spoke for the LA's. My "RFS" stems from the old practice of using initials for crediting in IDXD. Remember "WPE" calls? I'd like to forget them, hi. My RX back then was a National SW-54. Where were IOU in 1962? 73 de RFS. (How about enlarging that for Mothball Memories, Ron, please? -ERC)

PAUL MOUNT - 507b Carman, Columbia University - Morningside Heights, New York - 10027

Time to zip 106 some Musings, since they go back two months. I start with the big week of DXing, over Thanksgiving weekend. With the incentive of simultaneous IRCA & NRC contests and no school, I was all set. Fri. AM 11/25 in Teaneck; WHHH Warren, atop 1440 w/AP NX, s/off QRM'd by WBCW, Bay City, rolling in (hi) with request for comments, 12:04am. 12:05, 14-Q WNCR noted, pest. WFEA-1370 noted for first time in a while, good w/rr, QRM from station w/open forum talk, & jazz station, 12:20. The jazz turned out to be WSAI Rochester @ 12:25. WJNE-1350 Portsmouth w/"Honey of the Day" contest promo 12:31. WNDR-1260 Syracuse good w/rr 12:47, QRM from rr-WWDC. KMOX noted, w/WNEW on, 1:18. On 1150, many records segued, format seems ROL, AI NX 1:26, SX 1:31, "KG-104" ID 1:35. This was listed as unID in DDXD & IRCA's EDXR, & here goes, thanks to Ken Chatterton, Joe Fela, Eric Fader, Don Davis, & Jim Hopkins for response. Fortunately for each of you, you all said it was WRUN, Utica's FM, WKGW. QRM from CKOC, both un. 850k turned out to be a goldmine, although the two stations I would want most: KOA for state 35, & WEAT Palm Beach, which was heard by a DXer in Teaneck, were not heard. However: WHDH Boston 2:00 TC, ID, folo by WKIX Raleigh w/ID during rock mx, SS QRM. CKVL surfaced 2:03 w/spot, rock. 2:05, end of NBC NX & "WRUP" jx, Fla. Lastly, WJW Cleveland w/ID, 2:39. CHIC-790 Brampton w/oldie, ID 2:57. CFTR/WRKO fight on 680. That was it for Friday. I'm not getting that much in print here as far as number of stations, because I'm listing locations for your convenience in most cases. Next was Sat. Nov. 26. On 1070, Summit vs. New Providence HS FB was WMBB, Stirling NJ from 2:46 to 3pm, my second closest unheard after WJIP-1310, Mt. Kisco NY. It took nulling WJN first to get this 250 watter. Someone u/WFAS-1230 White Plains, unusual, 3:11-4:04, seemed to have AI NX, played rr T-40, but unID. WGAR-1220 in 4:09, 36 minutes before LSS. WGBB-1240 QRM'd by another, unID 4:13-4:22pm tuneout. SX-1270 4:31 was WSPR Springfield, first time from Teaneck, soon replaced by WX, 229 in Bear Spring, spot for Whittaker in Sydney, CJOB, into c/w 4:32. WSCR-1320 Scranton surfaced w/ID femme DJ 4:37 o/WKAP. 1310, once a fine SSS frequent in November, gave only a WJLK Asbury Park ID @ 5. WGTU-540, Cypress Gardens Fla. in wall, but w/c/w this time, 5:15-5:18 tuneout. I know it was country, since they said "More great country mx of the past." WYDE-850 Birmingham w/Sports-Wyde Scoreboard 5:24. A story about Shelbyville fire, then WX & spot. Later "Next NX @ 6" - I suspect the Midwest since there's a Shelbyville in several states there: prime suspects WGLG Lexington, & WMAK Nashville. Bob Wessolowski & Jim Hopkins suggest WMAK. That was about it for the first two days.

DAN GOODLETT - c/o Schanda - RFD #1 - Plain Road - Berlin, New Hampshire

Greetings from West Milan, N.H. where every station is DX. It's great to be away from my old home in San Francisco and all those 50kws. I'll be here for five months & will try to report every Sunday, WX permitting. I'm in a old cabin with no hot water nor TV, but I've got the Sony 5900W & SM-2 all set up. I just logged my first: CFNB, N.B. Sorry I didn't get a chance to vote - I was too busy moving. I also got a little DXing done in Key West but Cubans were too thick to pickup much but I did pick up Bahamas (day) and St. Kitts & of course TWR. I'm using a punch card system now complete with my own program. All the following are SM 1/15- (EST) Hit list: CFNB-550 8:45pm, CHLN-550 P.Q. 8:50 w/FF version of "Blue Bayou". CBEF-540 Ont. @ 9pm, French "Le R. Canada", & MoR. WJAN-560 Me. @ 10:10pm, talk on "Gays." CKCN-560 P.Q. 10:35 w/T-40, & FF DJ. WSYR-570-N.Y. @ 10:45, MoR w/Al Hart, & WMCA N.Y. @ 10:55, talk show, and CJEM N.B. 11:30pm, FF MoR. That's all for this week. My NRC dues are on the way. 73. (Welcome to the NRC & Musings, Dan, and we'll be looking for those weeklies from you! -ERC)

MIKE HEPPE - Box 7 - Houston, Mississippi

On 1/19 we had our first snow of the year. On the same day I picked up a New Mexico station, not just one, I picked up two. I will say thanks to the f/c list, third Friday. Imagine a GY N.M. to Miss. In the two weeks that I started QSLing, I have had 19 out of 38 verified, 50% efficiency, I say that's not bad for two week returns. I will raise due the mail system. I have noticed in the last AM Switch, that KALO is seeking KALZ. Well, they have changed & already QSLed. This month's QSLs: v/l- WMTS, WMAQ, WBT, WORX, KGBX, KLAZ, WKRA, WDAF. V/l & CM- & promo: WSJC, WJBC, WEMP, WHOD, WCAZ, KATZ, WERC, WBOK, WHEF, Cards: WJOB, WLS, KVNQ, WOR. KATZ went crazy & sent me everything you could think of, even a photo of a Kansas City Royal pitcher plus my postage sent back. I can't remember who said it about an SASE. I don't use that method. I use a large postage stamp that is moistened on one corner, & attach it with the letterhead. Back to QLS, WHOO sent me three different maps & a picture of their towers plus a page out of the NRC Night Pattern Book. Ernie, when is the Mississippi issue for members of the Club to Muse? (It'll be the first DX NEWS of April, deadline 3/201) -ERC

MICHAEL GOOD - 522-B Burton House - 410 Memorial Drive - Cambridge, MASSACHUSETTS - 02139
 A little bit of DX to report to the Bay State Special. 12/19: The last MM before vacation brought KNX-1070 Cal. @ 1:30am w/local NX & ID for Cal. #2. I went back to Detroit over vacation and noted WWKR-1310 ex-WNIC as "The new Keener-13", reflecting back on the days when it was WKNR and the biggest rock station in the area, before CKLW knocked them out. It's the same format as their FM, which is still WNIC-FM - rock without the real rowdy numbers and "mellow" DJs. The only DX done was to pick up the TEST from WORX-1270 L&C after WXYZ signed off. Veri came back very promptly, within the week. In contrast, I'm still waiting with everyone else for a veri from the WAREN TEST. Back to Cambridge, and the New Year has so far brought the following: 1/16- "The brand new WAXC, the Rochester Rocker" on 1460 @ 2:38am, with the WAXC pronounced as "waxy." They also did a real ID. WFTQ-1440 ex-WNCR noted @ 2:59 with "This is WFTQ, Worcester - but you can just call us 14-Q." Thank you very much! CFJR-1450, Brockville, Ont. ID @ 4:30, into EFL. WRUN-1150 Utica, N.Y. finally IDed as something besides "HD-104" at either the half hour or the hour - I forgot to note the time on this one. 1/23: I finally heard the WQOE-1590 r/c with an ID @ 12:49am. WVOJ-1320, Jacksonville, Fla. w/c/w, ID @ 3:49; WENE-1350 Va. ex-WLII @ 3:55 as "Honey Radio." WLOB-1310 Portland, Me. simulcasting w/FM-101; I finally got a clear AM ID @ 4:02. So nothing spectacular noted, but enough to make the MM's worthwhile. With my crazy college sked, I usually am up to 3 or 4am most nights of the week anyway! Pre-paid calls from DXers are welcome at 617 - 494 - 8391. 73.

STEPHEN FRANCIS - 1620 Lodge Street - Alcoa, Tennessee - 37701
 Hi everybody. MM 12/26- WJOB-1230-TEST didn't make it, 'tho much TT was heard. WORX-1270 was rough, thanks to WBEF/WKIC/KFJZ/WTNT/CMJG, but an ID finally made it around 2:26; bits & pieces of march mx had been noted earlier. TBMX-1210, R. Rumbos, AMING w/pretty good signal, WCAU off once again. 12/22- WLEZ-620-TEST not heard; a ball game delayed it until 12:45, five minutes after I tuned out. 12/31- The 105th & last catch of the year here was WLKR-1510 Ohio, briefly overcoming WLAC w/AM-FM ID @ 8:03am, then gone. WLAC is much less of a pest on its day rig for some reason. 1/1- While trying for unn WCMW-1560 TEST (not heard), I noticed CBE next door was still on, announcing a special New Year's AN show & mentioning that CBEF-540 was also carrying it. Recognizing a good tip when I heard one (CBEF's RS is never free of QRM from powerhouses XEWA and/or YNOW), I tuned a standby RX to CBE & sped to 540. It took most of the morning, but @ 4:32, I got a faint but definite // for Ontario #50. MM 1/2- WDOI also squashed any chance of WDMO-1000-TEST; when WFPL cuts their carrier, 1000 just about ceases to exist here. 1/7- Unn TBT noted on their nominal frequency of 1180 of all places, giving WHAM fits @ 7am. They'd been around 1187 for the last several years; their move makes the eighth country bagged here on 1180. MM 1/9- Unn WPKX-1070-TEST in poor w/WLBC w/quackie ID @ 1:16, then right back to TT. I doubt whether unn WWHM-1230 was on; the Tenn.-N.C. border area had a heavy (for here) snowfall that morning & that may have been the reason. MM 1/23- No way on KVRA-1570-TEST, ever XERF was nowhere to be heard under the Montreal Splatler Machine. KABL-1410 heard w/weak ID & station address w/WLNG @ 2:56:40 for a welcome goodie; 'twas probably they running all the various pitches of TT earlier. Unn WJAR-920 made it w/WGST w/fair/good CIDs, but only a couple of very weak WIDs. After noting from the Log how few MM AHERs #'e listed for 920, I've got a suspicion there was skulldatation in K-call-country that night! 6:24pm, CFQM at long last made the move to 1320, signal level sounds about the same. As they were my dominant pest on 1310, it'll seem like MM seven nights a week there now! 1/26- Neither WLEZ-620 TEST heard, even w/local WRJZ weakened as much as possible. 73.

CHARLES GEORGE - 6407 Howard - Dallas, Texas - 75227
 I received two veries in my mail, they were from WSPD & KXEL. I recently logged a new station for my list of stations from other countries, R. Rumbos-525, @ 0330 GMT; a man was giving a long talk in SS @ 0400 GMT, then I heard a program of ethnic mx. (That's 10:30pm & 11pm EST -ERC) The signal was strong with some background noise. The WX in Dallas has been unusual with it snowing four times in a week. I am glad I do not live where I have to battle the snow more often than here in Dallas; however, I hear the ice age is coming, hi! I may be doing a DX show over KERA (FM) if I can get enough response at the station for a show. I have already given them tapes of the DX show I did for KCHU (FM). I have been asked by a professor to talk to his classes on how other broadcasting systems differ from ours. The professor teaches at SMU. When I was little my parents would listen to a program "Invitation to Learning". Do any DXers remember listening to this show on literature? My Rikes have a switch for operating them on either 117 or 234w. I was wondering would it make a difference in DX received by operating the receivers on 243v? 73s.

FRANK DALLEY - Box 401 - Gales Ferry, Connecticut - 06335
 I DXed Friday AM 1/27 & had some snow emergencies on in Midwest, most already QSLed. WRFD-880, WBUK-1560, WQIC-1500, WQFT-1500, WDLR-1550, & 1580 ??? - I only needed WQFT but it was still nice hearing them. Who is the SS on 1580 approximately 3-4am every MM? (R. Cordillera, Barranquilla, Frank -ERC) Per Harold Dorschug, CE of WVIC, they now have a third MM SP, 1-3am approximately. I'm trying to set up some TESTS - it'd be nice to have something else besides WVIC/WKLO/WVCG/KRLD on 1080 - only other thing was KIMN on last year's TEST. Time is scarce. 73.
 FEBRUARY 20 - INDIANA - ILLINOIS - IOWA MARCH 6 - OHIO & PENNSYLVANIA
 FEBRUARY 27 - CONNECTICUT - RHODE ISLAND - NEW JERSEY MARCH 13- NEW YORK
 MARCH 20 - "THE SOUTH" - EAST OF THE MISSISSIPPI RIVER & SOUTH OF THE MASON-DIXON LINE!
 IT IS OUR HOPE THE ABOVE AREAS WILL DO BETTER THAN THOSE WE'VE SEEN SO FAR! PLEASE?

GARY ATKINS - 2200 West Burnett Avenue - Louisville, Kentucky - 40210
 As most of you are probably aware of by now, Mother Nature just pulled off the biggest snow job in the history of the metro Louisville area. Despite the weather, had the printer not encountered delays we were prepared to get the bulletins out on time. Issue #14 found its way to the post office on 1/23 or about four days late, & #15 should make it out by 1/26. Not much news here DX-wise. On 12/19 I had a tentative logging of Tarawa-844 & hopefully I'm awaiting a reply from a tape I sent to them. If it was they I still can't believe the level at which they came in at times. I called Albert Lobel in San Diego & we //ed the signals over the phone so I am relatively sure about it. Naturally, WHAS was off. Only other loggings are: 11/25- WKED-1130 Frankfort, Ky. 1:30pm, a new semi-local; WJOB-1230 1:16 am w/TEST on 12/26; 1/2- WJAF-910 2:30am. 1/7- WTAY-1570 6:03pm. 1/23- KVRE-1590-TEST 2:03, & KABL-1410 2:35 w/TEST. Thanks, Neil & Roland for the last two. So much for the news & weather, now the sports. Anyone claiming that anyone other than Kentucky teams should be ranked in the top ten will be guilty of insubordination and will receive serious reprimands from HQ. U. of Ky. is still undefeated as we don't count losses to Alabama. 73.

CARL DABELSTEIN - 8209 West 78th Street - Overland Park, Kansas
 I was sitting here at the rig listening to a few tapes & thought it might be a good idea to send in a Musing. DX has been spotty here, with the largest number of catches being the result of the new f/c list. I closed out 1977 with the CKSW & KTL TESTS on 12/16. I started off 1978 with the r/c from KTLU-1580, Rusk, Tex. on 1/4. 1/6 brought the r/c from WENT-1310 in Oneida, Tenn. WHUB-1400 Cookeville, Tenn. heard w/x/c on 1/11. I snagged the r/c from WCSR-1570 in Millen, Ga. on 1/16. It was interesting to note that the CE said in my verie that their regular monitor in Atlanta was unable to hear them during the check. The r/c from KBRF-1250 (K-Barf) in Fergus Falls, Minn. was heard on 1/19. This one was previously veried back in 1961 as KOTE. It was an all-Texas night on 1/21 as all three of the following were new to my log. Both KYKR in Port Arthur & KMCO in Mineola on 1510 were heard signing off @ 6:45. This was folo by KROB-1510 in Tobstown s/off @ 7. Another Texan was added on 1/23 with the r/c from KOZA-1230 in Odessa. Total from the Lone Star State is now 175. Also on 1/23 I had to really work to dig out the WJAR TEST. I thought this one would be considerably easier than the WRIB & WNRK TESTS a couple of years ago that I arranged with Craig. However, I just barely got the A-2 ID's. Seems KRLP caused most of the trouble. On the morning of 1/26 I heard the r/c from WRGS-1370 in Rogersville, Tenn. There was no TT, rather, instrumental piano mx. The snow alert on 1/27 brought two unms with WPOE-1080, Pontiac, Ill. & WFRO-900 in Fremont, O. Veries since my last Muse have been from: KOPY-1070, KOMP-1010, WZTP-1050, WKAC-1080, KTLI-1590, WKIX-850, KTLU-1580, CKSW-570, XIZ-555 & WCSR-1570. Total veries are now at 1,945. That brings our DXing activity up to date. Those of you needing KCNW-1380, better get them while you have a chance. The local paper says they're for sale. 73's for now & good DX.

BILL HARANG - 811 Nevada Avenue - San Jose, California - 95125
 The drought over here seems like it's over. Many parts of the Golden State have reached normal or near normal rainfall. Here in San Jose, we nearly have twice as much rainfall as last year. The highly publicized Marin County water rationing is over. A big welcome to NRCER DALLAS LANKFORD who recently moved from Austin, Tex. to Santa Monica. I, along with others will be anxious to read his TP loggings in DX NEWS. Unfortunately, due to the nearby Santa Cruz Mountains to the West, DU's are very rare here. The mountains cut off some of the Hawaiians & Asians too. Too bad we don't get the DX that Kaskey & Tomer have been reporting, hi. For a DXer & a Chicagoland resident, WGN programs a vast variety of shows - everything from pop mx, to talk, SK, farm, & opera. The station's programming philosophy is that the station is a service, to serve the needs of the adult listening audience. WGN programs for adults, basically 25-35 on up. WGN has to broadcast quality programming for people who are concerned with what's happening in the world today. It's not just entertainment - it's a service. Many people wonder if WGN has a format or a playlist. WGN doesn't really have either. But as far as the music on WGN is concerned, WGN is largely MoR. However, the station does play recordings that are on the Top 40 when they are applicable. The WGN radio personalities have complete rein to play ANYTHING they want to ranging from ol to rr as long as it is considered in good taste by the station management. The station management does, however, discourage the playing of acid rock and hard soul.

ELLIOT R. STRAUS - 72 Sweet Briar Drive #4 - Clark, New Jersey - 07066 201 - 574 - 1199
 I hope everyone took advantage of the great midwestern blizzard to log many of the midwestern stations that stayed on the air for emergency broadcasts. On Friday morn 1/27 I logged and reported WQIC-1500 500w & WBUK-1560 lkw, from Ohio & Mich. respectively and heard other unn low-power daytimers that were on due to the snow. Other recent DX includes CKJD-1110 Sarnia 1/20 @ 5:10-5:30am, R. Cayman-1205 also 1/20 @ 11pm with excellent signal, better than 1555 here. On 1/21 and on, pirate WICE (sorry, Providence) from Brooklyn, N.Y. is operating on 1630v. MM 1/23, excellent interval signal & s/on from Vatican-1529 reported, also many good TA carriers and some audio the last week. 1/24- HJEL, R. Aeropuerto @ 1:15am w/ID & soft LA mx. 1/25- YVLX, R. Rumbos, with WMCA down w/IR woes. Also on 1/27, WUTN-1240 Jamestown, N.Y. @ 1:55am. Recent veries include: WSRF-1580, WLSN-1130, for 542. That's about it as far as DX goes, the CX have been running excellent lately with very high Solar Flux levels and low A-Index. C U N 7 - 3's.
 RIGHT NOW, NRCers in ILLINOIS, TOWA, & INDIANA ARE SITTING DOWN COMPOSING MUSINGS FOR THEIR STATES' SPECIAL ISSUE, DEADLINE FOR WHICH IS NEXT MONDAY, FEBRUARY 20th - WE ALL HOPE THEY ARE!

KONSTANTINE RYCHALSKY - 22 Carroll Court - Bridgeport, Connecticut - 06607

XIV. Evidently, SEND-A-MUSE DAY was a success with 53 Musings - the highest yet for Volume 45. Unfortunately, however, everyone forgot that Musings is a WEEKLY chore since two issues later DX NEWS contained the least amount of Musings for the same volume - only 17. Those of you interested in statistics, the average number of Musings per issue remains at 30. The idea for Musings from each state is O.K., but how about two states, one from each side of the Mississippi? Two new veries in: CHOO-1390 v/l, CM, stickers (logo is a train, of course, hi), & WYOK-690 Ala. which adds State #31 for me. S.C. is still holding out. Veries are now at 254. I would like to acknowledge letters from D. Monferini, C. Bobbitt, & D. Davis. The latter two the same day & in reply to my "ESM" beacon. Coincidentally, that same night the following was heard: M 1/17: RAB-1613 @ 2:30; beyond this an area of noise soon folo w/BGA loud @ 1:49 w/ESM-1675 under; & finally blasting away was MDE @ are unID (like me, hi) & help is appreciated. I wonder why the NRC neglects these beacons since RAB is an easy catch for Guatemala and ESM is in Ecuador? (Because they are not in the BCE - EBC) On the other end of the dial NB & UUP are common here. By the way, NB beacon HAS a QSL card. Otherness: 1/16- WYIG-1230 W.Va. popped through an ID for me @ 1am. They probably saw my graveyard standings, hi. 1/18: WOHO-1470 made its debut @ 2:30 but didn't stick around. Too many gettin' away! 1/19: WRCP-1540 Pa. ID @ 1:15am & gone; tone heard one minute prior - must o' been ET. Tentative report sent although I haven't gotten veries from previous reports. February is my yearly clean up month for veries. I have 24 not replying; 18 playing cat & mouse (don't stay in long enough for a report) & 14 daytimers that don't give a hoot. That's 56 possibles - and who said verifications aren't game? Last night 1/23, graveyarder CHYM-1490 Ont. trickled in for a report. KVRA-TEST never made it due to CMLM. 73s.

CHUCK HUTTON - 1035 Latham Road - Decatur, Georgia - 30033

Greetings from Atlanta, the city where many NRCers will have a lot of fun over Labor Day Weekend. In addition to our plans in the Convention proposal, we'll have a Beverage DX-pedition to my basement, and three long Beverages to listen off of. Also, hopefully, a Beverage technical session with assorted FCC people, Georgia Tech professors, NRCer Dr. Dave Fischer, and myself. DX: Monday evening, 1/16 was the first night I can remember since I started DXing in 1963 that Aurora practically wiped out the band in Georgia. Most regional channels had Latins - rarer than snow in Summer here. Thirteen new ones logged, some sort of AU! Oddly enough, things were almost back to normal by 0530 GMT. (12:30am, EST - ERC). I sure enjoyed the 12/30 issue with 60 pages, 53 Musers, the Nostalgia issue, and three DDXD's. (Who cares about DDXD, hi). NRC sure is more fun when more people contribute. Elliot Straus: the receiving system you described in your Muse is called "audio diversity reception" and has been used by the military for ages. It can be a highly effective DX tool. More commonly, diversity reception takes the form of "reception diversity" where using differently polarized antennas or spaced antenna greatly reduces fading. (How about "spaced" DXers? Hi - ERC) Antennas separated by as little as 50-100 feet show different fading patterns; by tying each of the antennas to a different receiver and linking the AVC system, the signal output is automatically controlled by whichever RX has the strongest antenna signal at the moment. Remarkably steady reception can be had. Enough. 73s to all.

MOTHBALL MEMORIES

CHAPTER LXXIII - WE CONCLUDE MOHM MAGUIRE'S MEMORIES REPRODUCING A LIST OF U.S. FORCES RADIO STATIONS ON THE AIR CIRCA 1944-1946 (PARTIAL).

620	WVTX Iwo Jima	1320	WVTA Aitape, New Guinea
660	WXLB Saipan, Marshall Islands	1340	WVTY Asor Ulithe, Caroline Islands
670 Boganville, Solomon Islands		WVLF Tarawa, Gilbert Islands
680	WXLH Okinawa	1360	WVTX Bra, Oahu, Hawaii (50w.)
690	WVUQ Guadalcanal, Solomon Islands (1kw)	1380	WVLI Guam
730 ?????	1400	WVLH Okinawa
790	AFRS Quarry Heights, Canal Zone		WVTE ?????
800 "Radio Saipan", Marshall Islands		WVTF Hollandia, New Guinea (50w.)
	NQMI Midway Island	1415	WVTH Lae, New Guinea (50w.) (also 1420)
850	WVLS Narsarsvavk, Greenland	1420	WVTV ?????
975	WVUS Noumea, New Caledonia		WSMS Natal, Brazil
1010	KSAT Saipan, Marshall Islands (50kw)	1440	WVLC Kwajalein, Marshall Islands
1045	WVUR Espiritu Santo, New Hebrides	1450	WVLE Adak, Aleutian Islands
1060	WVLH Okinawa		WVWG Blak, New Guinea
1086	AEF Casablanca, Morocco (50w)		WVWB Nadzab, New Guinea
1240	WXLQ Kindley Field (Ft. Bell) Bermuda		WSIG Okinawa
1250 ?????	1480	WVTD Manus, Admiralty Islands
1280	WXLB Saipan, Marshall Islands		WVTC Milne Bay, New Guinea
1300	WVZZV Dacca, India	1500	KVKW ?????
	WVTW Manila, Philippine Islands	1510	WVTK Leyte, Philippine Islands
1320	WVLE Eniwetok, Marshall Islands	1520	WSIG Okinawa

From NRC Bulletins, Ed Wyman reports, my veries. Several stations noted on list???? Location is unknown as no call was used. Some stations used more than one frequency during this period.

NEXT WEEK: W. R. McINTOSH swirls us back to the early 20's! Then, we will have run out of material for this column - until and if some of you will be so kind as to supply us with exciting flashbacks into the golden age of DXing. So, it's up to some of our memory-holders!

WE'RE NOTICING A LET-DOWN IN THE MUSINGS DEPARTMENT! PLEASE DON'T IGNORE YOUR CLUB! MUSE!

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The only verie is a duplicate from COT-1510 (originally verified in 8/62). On Jan. 9, westerly CX were bad & I didn't hear a peep out of the KFII-1070-TEST. The channel was dominated by unnn HJAH "Emisora Atlantico". On 21/1, unnn CKJD-1110 was pounding in atop everything at 4:30pm. Also, unnn CATN-1190 topped their channel @ 4:54. At 5pm, there was an unID FF fighting the QRM on 1490, perhaps CKLR? I will look for them again. The only new catch was CHNR-1600, fighting it out with WUNR/WAAM from 7:42-8:18pm. I recall a potential source of "Nostalgia" material. In 1960 I was a member of the NNRC & they had some of this stuff in their "TV DX" column. The editor was an NRCer, Carlton Lord. When he was short on TV material he filled his stencils by reminiscing about the early days of BCE DX. If anyone has access to these old bulletins, they contain interesting anecdotes about the 20's 30's & 40's. In 1969, I gave away all my old NNRC bulletins. However, somebody else might have a set. My contribution to "Mothball Memories" is in the works. 73. (Swall! - ERC)

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Little to report here. The past weeks have been most unproductive. Few periods of unusual CX. In the final days of '77 I did add one good catch, WKKQ-1060, o/KTW @ 4:50pm 12/12, thanks to a clear 'standard' W-Kay-Kay-Q ID by a femme, instead of some "dizzy" "modern" ID such as the "G-15" given by Xenia, Ohio on 1500 recently. '78 has done little for me, the new WABS-780 call was added, a daytimer here if WBEM isn't too strong, on 1/2. Many LA's were noted on 1/8 but all turned out to be unnn except CKMV-600, heard with language lessons @ 8pm. The present NYC "outlaw" near 1620 was first noticed at 11:20pm on 1/20 using a call sounding like WICD here, deep fading made this uncertain. Then again on 1/22 at 12:15 with tele-talk they IDed as WGOR in New York. What gives? He was at the extreme end of the dial range this time with a code station & an OC 'tween him and 1600. He was quite clear at times but with much fading. All recent TESTs were missed here due to nearer -by ANs. I wanted KVRS & KAH today but not a chance with CKLM whose slop spreads all over the 1540-1600 area here and semi-local WHK on 1420. How CPC work has changed over the years! Back in the early 30's I did CPC for another club. One could send out ten requests and usually receive at least eight affirmative replies. And one could set up TESTs on GY's with assurance they would be heard well. On two occasions I set up a series of short TESTs from Texans on what is now 1440 and most were heard in both ends of N.Y. (NYC area & Buffalo). And this with mostly 100w and even less in some cases. Today it's near impossible to definitely ID a GY TEST over 100 miles unless odd mx or GYs are used. To find a reasonably clear channel and a willing station is near impossible. My hat's off to the CPC gang for what they have done in these times. 73.

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What a letdown to see only three other Musings from the "honor state" of the week, Massachusetts! And it seemed like such a good idea, too. Oh well. No veries in - gain this week; no DX NEWS, either - last week's came on Thursday (the week of the snows). 1/25- At 2:29am on 1590, somebody said "You have been listening to 15 minutes of the mellow sound" but ID was not noted. On 1340, I noted WNBC is now BFL, no more tele-talk ANs. An unID Tter on 1250 @ 3:18, and @ 3:27 on WQIQ-1590, a woman caller-in suggested Anita Bryant for Vice-President! No comment; mamma taught me not to use the words I'm thinking, hi. 1/26- Raining hard here, washing away our snow - An EFL station on 1560 @ 1:08, unID. The 611 Arab was doing all right against WIP/WIOD circa 1:39am. JOHN BOWKER Jr. & JOE FELA Jr. both called to suggest looking for Midwest daytimers on with storm news. John said WAKE-1500 would be on AN. Here on 1500, I heard two Ohioans, both unnn, WIGC & WGT, but WAKE did not poke through. On 1560, 'twas WBUK with storm news. None others were noted here, but WIBC-1070 was super-strong, so they must have been on day pattern, and ditto for the next two or three mornings. Someone u/WTIC-1080 @ 3:27 played "Killing Me Softly" but then it faded off into oblivion. SM 1/29 - Unn R. Relej, Cali, o/the usual R. Mia @ 1:10, WBT off. On 1140, somebody w/c/w & TTs, loud, probably WRVA - guess they couldn't sleep on their morning off. 1550 was a beehive of activity - WMLB, West Hartford, was on testing w/mostly MoR, & somebody else with TTs off & on (unID here) plus a fairly strong SS. WMLB had been heard in August testing, asking for reports, & promising to verify - I did - they didn't, a fairly concise example of the way things are today. TT-1080 u/WTIC @ 1:45+. Unn but not heard in ages, CHLO-1570 noted u/Splatter-Fuss CKLM w/s/off @ 2:07, till 7, they said - no anthem. Both Punto Fijo, Venezuela stations were AN today, on 740 & 940, and a femme announcer ran down a long list of other Venezuelans which may have been on also, but if so, I didn't hear them here. WDEE-1500 louder than usual w/22 minutes of uninterrupted c/w-gos-al-type mx, & then three consecutive recorded PSA-type talks by a woman for Michigan interests had me dreaming of a WKKQ, Battle Creek test, but it was only WDEE. MM 1/30- Semi-AU morning, happily, as WSGA-1400 noted way up top @ 3:12. WGAR-1220 seemed off, on there were an FCC & an SS. WDAT-1380 & WVDJ-1320 were both strong circa 4:10am raising my hopes for WKEM-1490's TEST - & they made it! Thanks, Steve for those CID's, for only a tweak of band music was heard other than the code - oddly, the code was as loud as semi WPOR & o/WUSS, w/the AU knocking out the other usual 1490 ANs like WBCB, WOLF, & WKNY. and that's it for another week - C U N 7. Also, nice phone talks with RAY ARRUDA & HILL WURTZEL. Congrats to RAY on taking over DDXD! WE CAN STILL MAKE SOMETHING OF OUR STATE OF THE WEEK SERIES IF YOU WILL CO-OPERATE! HERE AGAIN ARE THE DATES AND STATES FOR THE NEXT FEW WEEKS - THE DATES ARE THE DEADLINE DATES.

FEBRUARY 20 - ILLINOIS, IOWA, & INDIANA
27 - RHODE ISLAND - NEW JERSEY - CONNECTICUT
MARCH 6 - PENNSYLVANIA AND OHIO
13 - NEW YORK
20 - (VIRGINIA - WEST VIRGINIA - MARYLAND - D.C. - NORTH & SOUTH CAROLINA - GEORGIA (FLORIDA - ALABAMA - MISSISSIPPI - TENNESSEE - KENTUCKY - "THE SOLID SOUTH"

BUT AS YOU CAN READILY OBSERVE, WE NEED MUSERS FROM ALL OVER - HOW ABOUT JOINING THE FUN?

REMINDER: Send those thank-you notes to TESTING stations, to show them NRC knows how to say THANK YOU!