

dx news

the magazine of the National Radio Club



VOLUME 43

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NUMBER 3

* "I guess this will be my 20th year. I have enjoyed my membership all the time..."
(Lars Ryden, SWEDEN) *

ON THE INSIDE.....

Foreign DX Achievements - Norm McGuire
Domestic Log Updater (Again) - Ron Musc
Clipping Corner - Various
Old-Tyme Radio List - via Frank Dailey
Captain Glotz is Stolen and Returns Anew - Brian Vernon (w/apologies to Carter Veries - Various Scholz)

NEW MEMBERS

- * Artie Bigley, 414 Rigsby, San Antonio, TX 78210
- * Jerry H. Neves, 3951 Colby Way, San Bruno, CA 94066
- * Jakob Dehaan, 5814 Sagewood Dr., Murray, UT 84107
- * Howard L. Miller, P.O. Box 29, Fawnskin, CA 92333
- * James R. Guthrie, 20 Trent Lane, Smithtown, NY 11787
- * Chuck Hafter, 102-11 Pinegate Apts., Chapel Hill, NC 27514
- * Elliot Straus, 1410 Bond St., Asbury Park, NJ 07712
- * James Alan Hicks, 75 Commerce St., Perth Amboy, NJ 08861

RENEWALS

J. McDonald, T. Seyen, J. Basehore, M. Sorenson, J. Javetski, J. Critchett, J. Peterson, K. Forth, P. Boersma, L. Gagnon, M. Meehan, C. Moore, B. Portzer, J. Thiel, E. Kowalski, C. Dabelstein, G. Calkin, J. Brauner, R. Sabella, C. Boilard, N. Zank, B. Griffiths, M. Ketz, J. Dixon, R. Mendelsohn, J. Clements, A. Hobson, W. Feidt, M. Stilwell, R. Calhoun, S. Shaw, J. Yates, R. Hansen, E. Havemann, J. Long, B. Roach, W. Hoover, D. Kenney, G. Cooper, D. Keynolds, M. Guerin, G. Semko, S. Francis, W. Fait, G. Fox, D. Williams, K. Jeter.

FLASH TIPS & SUCHLIKE

Bengt Ericson notes to watch for the new FEBC station in the Phillippines, DWRF, at Iba, Zambales on 1470 kHz until closedown at 1615Z. Will run gospel and Western religious mx, as well as anncs. in Mandarin and Standard Chinese. Is still testing but will go RS soon. 250 kw. Hrd well in Sweden.

NOTES &c FROM NJPC

Mike Harlester pens that he noticed the recent article relating to Traveler's Information Radio. He is well into an extensive research project on this new service, and hopes to have an article ready by January 76. If any other DXer is also well into research, please advise Mike so you don't duplicate work.

Rob Harrington informs us of the existence of the Colorado Association of DXers. Any Colorado area DXers who are interested in this organisation may contact Rob at 3181 So. York St., Englewood, CO, 80110. Telephone: (303) 781-1185.

By the time you read this we will have returned to Standard Time. Please remember to make the proper corrections when submitting items to DDXD, Musings, and DX Calendar.

C. P. C. TEST SCHEDULE

Firstly, a few notes on CPC: CPC info is not available from HQ, but rather from the CPC chairman, Jerry Starr, c/o WHOT, 401 No. Blaine, Youngstown, OH 44505. A CPC TEST DOES NOT, as some members of CPCs of other clubs seem to think, consist of getting an NSP PEST to "dedicate" their RS to a club. It DOES NOT consist of getting an NSP'er to increase to day power in RS. It DOES consist of getting a station on the air which is NOT NORMALLY ON WITH RS AT THE TEST TIME. An NSP graveyarder running a SPECIAL PROGRAM or TEST is OK, however. Further, in order for the majority of members to benefit from a test, NRC HQ must have at least 2 weeks advance notice of the test or it will not appear in DX NEWS until AFTER the test has been aired. PLEASE include stn. POWER when sending tips.

WEDNESDAY	OCT. 27	- 0000-	* W100-1000 - Carlisle, PA	1000	D	NRC/IRCA
		0245-0300	* WMBH-1450 - Joplin, MO	1000/250	U	NRC
FRIDAY	31	- 0000-	* WHLM-1170 - Lakewood, NJ	5000	D	NRC/IRCA
MONDAY	NOV. 03	- 0115-0215	* KNUJ- 860 - New Ulm, MN	1000	D	NRC
FRIDAY	07	- 0000-	* WBTX-1470 - Broadway-Timberville, VA	5000	U	NRC/IRCA
MONDAY	10	- 0100-0130	* WSNW-1150 - Seneca, SC	1000	D	NRC
		- 0130-0200	* WAGL-1560 - Lancaster, SC	10000	D	NRC
		- 0400-0500	* WJDB- 630 - Thomasville, AL	1000	D	NRC
		- 0200-0230	* WEAG-1470 - Alcoa, TN	1000	D	NRC
WEDNESDAY	12	- 0500-	* WAMI- 860 - Cpp, AL	1000	D	NRC
THURSDAY	13	- 0400-0700	* KSYM-1530 - Shakopee, MN	500	D	NRC
SATURDAY	15	- 0000-	* WMCS-1400 - Machias, ME	1000/250	U	NRC/IRCA
MONDAY	17	- 0200-0230	* WVOG- 600 - New Orleans, LA	1000	D	NRC
		- 0330-0400	* WEYY-1520 - Oakland Park, FL	1000	D	NRC
MONDAY	24	- 0100-0400	* KYSH-1230 - Mankato, MN	1000/250	U	NRC
		- 0300-0330	* WNTM-1520 - Garden City, GA	1000	D	NRC
		- 0200-0230	* KSIR-1470 - Estes Park, CO	500	D	NRC
WEDNESDAY	DEC. 01	- 0330-0400	* WTBX-1090 - Monticello, FL	1000	D	NRC
WEDNESDAY	08	- 0230-0300	* WMTY-1090 - Greenwood, SC	1000	D	NRC
		- 0115-	* WLLS- 930 - Lynchburg, VA	5000	D	NRC/IRCA
WEDNESDAY	15	- 0300-0315	* WKLF- 980 - Clanton, AL	1000	D	NRC
WEDNESDAY	22	- 0400-0500	* WERN-1320 - Birmingham, AL	5000	D	NRC
WEDNESDAY	29	- 0400-0500	* WMAG- 850 - Forest, MS	10000	D	NRC
		- 0100-0200	* WGIL-1400 - Galesburg, IL	1000/250	U	NRC
WEDNESDAY	JAN. 19	- 0100-0200	* WBSY-1420 - New Bedford, MA	5000	U	NRC
MONDAY	FEB. 05	- 0200-0300	* WBRW-1170 - Somerville, NJ	500	D	NRC
EVERY THURSDAY (R/c 4th)		- 0000-0100	WSKE-1050 - Everett, PA	250	D	NRC/IRCA
WBTX-1470	above also every 1st PM.		Will be listed later on.			
EVERY MONDAY		0015-0130	* WBD- 750 - Baltimore, MD	5000	L	NRC/IRCA

DETAILS:

- WSKE - C&W mx, SC. Prepall calls at (814)-652-2600. Address as in log. Arr. Hopkins.
- WBD - Tests regularly between these hours, though not for full period. No calls. V/s: Scott Brenner, CE; 5200 Moravia Rd., 21206. Arr. Hopkins.
- W100 - Will use TT. Believe this is an r/c. V/s: Curt Allan, Box 399, 17013. Arr. Jim Hopkins.
- WMBH - Will use 1 kHz. TT, IDs every minute. V/s: Robert C. Vestal; 64801. Arr. C.R. Weinstein.
- WHLM - Bluegrass & folk mx. V/s: Richard Swetts, Box 1170; 08701. Arr. Hopkins.
- KNUJ - No program details. V/s: Gerald Valston, CE, 5703 3rd St., No. 1 16073. Arr. Bob Mace.
- WBTX - 1 kHz. TT & Voice IDs. V/s: John F. Mueller, Box 337, Broadway, 22815. Arr. Jim Hopkins.

international dx digest

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Phone 703-354-2135 Before 2200 EDT *All Times Are GMT *Deadlines Are Friday*

New stations, changes, skeds, etc.

ARGENTINA R. Nacional in Rio Grande, Tierra del Fuego on 640 khz is not listed in WRTH, expects to be 50 kw soon. R. Nacional, LRA, 870 khz and R. Nacional, LRA14, 540 khz in Santa Fe are now on 24 hours. (MWC)

CHANNEL ISLANDS There are plans for a land based pirate on Jersey to operate on 227 meters (1322 khz) on Sundays only. This would not be a legal station. There is still talk of a legitimate local station but this is dependent on the granting of a suitable freq by the U.K. Government. (Roy Patrick, MWC)

CYPRUS The British Forces Service stn at Limassol is now on 881 khz, ex-890. (NZDXRA)

CZECHOSLOVAKIA The following power increases are in process: Topolna-272, Prague-638, Nitra-1016, Bratislava-1097 and Prague Foreign Service all to 1500 kw. Presov-701, Kosice-1520 to 600 kw. B. Bystrica-701 and Brno-953 to 400 kw. (Horst Rauch, MWC) Freq for Prague FS is 1286.

GREECE/DOECANESE ISLANDS VOA Kavalla on 791 khz and Rhodes on 1259 khz are now 500 kw. (MWC)

MONACO Power of the local on 701 khz is 10 kw. (Horst Rauch, MWC)

QATAR Tests have been noted on 952 khz, presumably from the new 750 kw transmitter. (NZDXRA)

SUDAN Ondurman operates 0600-2400 on 764 and 960 khz. 960 carries a program in Arabic and English between 1500 and 1700. (NZDXRA)

Whats been heard

- 526 -COSTA RICA TICAL Cartago, Radio Humbo noted here 0500-0508, reported earlier w/0506 s/off, AN or just extended sked? (Murphy)
- 530 -JAPAN JOQG Morioka, good w/YL JJ talk; occasional fading w/HNL 10/8 1351. NHK pips at 1400. (Pejza)
- UNID UFO u/JOQG, sounded like CC; three long low pips at 1358 10/8. No Chinese stn listed. (Pejza) / (Sundstrom)
- 575 -COSTA RICA TIWA San Jose, 10/15, noted 0145 w/ex sigs on SPR-4, QRMing WMCA that was carrying Islander-Canadians NHL game I was trying to listen to.
- 595 -DOMINICA R. Dominica ID, mention of Roseau, at 0037, 10/1. Poor w/loud het. Is there a SS stn here also, this and SS in and out. (Strentzsch) No SS stn reported here before. (ED)
- 640 -ECUADOR (Tentative) HCXY1. I think was the one noted w/R. Nacional ID 0400 u/CMQ. Is the only one so listed but have never seen reported here before. (Murphy) This was supposed to get power increase I think, so is possible. (ED)
- 647 -ENGLAND BBC Radio 3, Daventry S9 0558-0601 w/close of Handel Concert baroque symphony, excerpt IS, stn ID, into mx to 0601 quick fade. 9/22. (Clayton)
- 655 -NORTH KOREA Pyongyang poor MM 10/13 1206; HNL. (Pejza)
- 660 -JAPAN Synchros 10/7 1355, in JJ; NHK pips at 1400. Lotsa KNBR slop. (Pejza)
- 700 -CHINA Nanking listed, MM 10/13 in and out w/Japan; martial mx 1236, CC talk. -JAPAN Synchros in and out mixing w/China 1236-1245 MM 10/13. NHK theme mx at 1240. (Pejza, last 2)
- 725 -COSTA RICA TILX R. Columbia, San Jose w/IA upbeat mx. Same as usual but pushing 20 over S9 in between fairly deep fades 0429-0433 9/15. (Clayton)
- 746 -HOLLAND Lopik I 0445-0500 9/18 rock solid S9 plus w/female and male ancrs.
- 770 -UNID Possibly El Salvador, unid stn here w/SS mx, had a 5 or 6 note/(Clayton) IS after each song, no IDs tho, 0217. (Strentzsch) Date? (ED)
- 775 -COSTA RICA San Jose, TIW fantastic level, S9+ all the way, but faded out soon, all US pop/rock mx at 0535. (Strentzsch)

809 -SCOTLAND BBC Radio 4 Burghhead/Westerglen, 0531-0537 9/22 had discussion pgm, climbed to S9 was fairly steady, but had to deal w/S8 Cuban on 810, and PJB splash from 800 mix w/CKLW. (Clayton) Did you hear Radio 4 ID - this freq is also used by Crowborough w/FS. (ED)

816.8-UNID South Korea suspected; cl violin 1333 MM 10/13; man in what sounded like KK o/mx 1334; fading in and out; choral group 1351 good; man talking o/the hour, no pips. (Pejza)

820 -UNID Maybe the same one as on 816.8; this one hrd 10/10 1356-1400; lots of KGO slop; man talking in JJ or KK; apparent speech 1359 w/cheering; no pips on the hour. (Pejza)

827 -SPAIN EAJ1 Barcelona 2350-2353 9/9 probably here w/SS guitar w/vocal mx, vicious WNYC QRM in spite of every nulling trick that I know, still achieved ~~SS~~ briefly. (Clayton)

830 -CHINA (?) Weak stn u/JOBB 1325-1330 MM 10/13, sounded like CC. Some music. Fukien Province listed. (Pejza)

-JAPAN JOBB vy good 1325 MM 10/13; man talking in JJ. (Pejza)

836-UNIDS 2 carriers, very strong but no audio hrd at 1153 MM 10/13 and recheck 1321. One most likely China. (Pejza)

836 -AZORES CCA7 Punto Delgado 0505-0511 9/18 not supposed to be here at this time according to WRTH, but beamed way south of France, talking in PP w/musical selection, barely audible S5, ORTF not in PP anyway at these times. (Clayton) ORTF is using several different languages in 0500-0600 slot, and PP is one that has been reported. Azores possible, but without definite ID I would have to suspect Nancy. (ED)

840 -MEXICO XEGZ, good w/simple R. Juventud ID at 1210 on 10/2. (Strentzsch)

-PANAMA Panama City, good w/WHAS w/R. Libertad ID at 0300, mentioned freq and Panama, 10/2, unkn. (Strentzsch)

890 -JAPAN JOHK Sendai MA 10/13 quite good 1158, but not in ~~vy~~ long. Mixing w/S. Korean. Also at recheck 1317. NHK pips at 1200. (Pejza)

-SOUTH KOREA HLJB Pusan fading in and out u/JOHK MM 10/13; KBS pips started slightly before NHK pips, 1200. Possibly the one u/JOHK at 1317 recheck. (Pejza)

935 -MOROCCO Agadir 10/3, chanting noted 0605-0615 peaking at good level. (Sundstrom)

1016 -TURKEY Istanbul, 10/3, noted w/talk 0315+, chanting after 0330 mixing w/Germany. At times one or the other dominated, most times both readable at same time. Turkey at good level 0320-0330 dominating Germany w/musical program. KDKA splash minimal. Counted dips of S meter: about 0.75 khz SAH. A slight het ce YSC-1015. T/out 0345. On 10/4, chanting noted 0310+ totally dominating (no SAH noted) freq, fair to good thru 0330 t/out. (Sundstrom)

1025 -SPAIN EAJ8 R. San Sebastian 0510-0515 9/15 w/s/on in SS, then switch to FF for programming, fluctuate between long fade and long peak at 20/S9. (Clayton)

-UNID 10/6, mass of low pitched hets w/no one sig dominating, 0300+. (Sundstrom)

1034 -PORTUGAL Porto, 10/6, noted in passing at 0300 at fair level. (Sundstrom)

1097 -UNID 10/3, only mx w/some vocals, ~~vy~~ poor w/WWWE slop 0300-0315. Impossible to ID, but probably a TA. (Sundstrom)

1100 -UNID Antigua probably, w/religious mx at 1007, was EE, fair, hrd a "Zed" had hard time reading for WWWE, 10/2. (Strentzsch)

1115 -ITALY RAI synchros, same time and date as below, female Italian DJ w/Italian light and light rock mx. (Clayton)

-MOROCCO RTH Ourzazate 0405-0410 9/19 AA singing w/AA anmts, fluttering SW style and mixing w/Italian 2nd net, both jumping between fade and up to 10 over S9. (Clayton)

1120 -CCSTA RICA San Jose, TISNB good for 2nd week w/KMOX off, ID as R. Capital de Costa Rica, then time. (Strentzsch) / (Strentzsch)

1155 -EL SALVADOR La Union, fair to good first het at 0525, 0532 no ID but NA, 10/2.

1165 -ANTIGUA Caribbean Lighthouse Radio, 10/13, s/off anmts taped 0200-0203 announcing freq and power of 10 kw. Again 10/15, anmts at s/off 0203-05, s/on 0600 local time in a fuller ID than 2 days earlier. Both times fairly good despite WWVA who fortunately quieted down, both loggings on vertical w/first on HQ-150, 2nd using 4.8 khz filter on SFR-4. (Sundstrom)

1187 -INTERNATIONAL WATERS Radio Mi Amigo 0556-0600 w/slogans, ID jingles, American rock selection, Euro-style time signal at top of hour followed by jingle and hard rock number, steady 300/S9. (Clayton)

1210 -CHINA Presumed the one w/CC opera mx 1327 10/7. Good for brief male anmt; faded 1329 to the Jap stn. (Pejza)

1234 -GREAT BRITAIN BBC Radio 1 0510-0517 9/22, format similar to above except no

1214 -GREAT BRITAIN (Cont) long progressive cuts, shallow flutter around S9 to 20/S9, with usual WGAU/WGAR troubles. (Clayton)

1235.5-UNID 10/13, noted at 0514 and carrier dropped off 0516 before I had opportunity to get a loop bearing. Probably LA, but who? Pretty good carrier, freq correct by displaying FKS-3 output on SB-620 for measurement. (Sundstrom)

1268 -WEST GERMANY Neumunster, 10/3, w/talk and mx in GG, running poor 3rd to St. Kitts-1265 and WXYZ-1270, but some audio very readable 0250-0300. Other Germans (1016, 1043) also quite decent. (Sundstrom)

1270 -MEXICO Tijuana, BC w/ranchero mx 10/13 MM 1306; spots for Bimbo's, some sham-poo, and "RPM". RCN jingle at 1315. (Pejza)

1376 -FRANCE ORTF Lille. In case you haven't hrd the subjects programming for the 0500-0600 period, it's divided roughly into 10-15 minute (approx) segments of: Greek, Arabic, Yugoslavian, Spanish and Italian. Each segment is introduced by an appropriate and distinctive ethnic musical interlude, and each contains both man and woman in conversation and possibly reading news, plus typical musical selections. This pattern has been heard repeatedly. The best this stn was ever hrd was MM 9/22. (Kocsan) I would suspect that this sked is good for the other FF stns that have been reported w/ethnic programming (836, 863, etc) and should help clear up some unids. Portuguese has also been reported at times, so maybe every language isn't being used every day. Be careful when reporting "exotic" catches on ORTF freqs for the 0500-0600 time period. (ED)

1466 -MONACO Monte Carlo, 10/13 noted in passing 0500+, stronger than Nice-1554 or Lille-1376 but still much weaker than sigs of 2 weeks earlier. Seemed to be only high-band TAs. (Sundstrom)

1475 -AUSTRIA Vienna, 10/2, quite decent on peaks, but w/long fades, mx and talk 2350+. (Sundstrom)

1510 -UNID No idea at all, WIAC off, SS stn here, poor, but had a 8 note sig, used touch tone telephone as tone, 0530, 10/6. (Strentzsch)

1578 -PORTUGAL Porto 10/2, w/mx noted 2345+ w/o QRM de 1580 for a change. (Sundstrom)

1603A -UNID Maybe beacon, but more likely 1W harmonic, was fair w/GW all the time, call was RIB, 0611 10/6. (Strentzsch) Tis likely RAB, located at Rabinal, Guatemala. Believe their freq is 1607 khz. (ED)

The reporters for this issue

Charles CLAYTON - Adelphia, New Jersey NC20C, HE8C, Grundig Satellit, SM-2
 E. KOCSAN - Morris Plains, New Jersey
 Wayne MURPHY - Louisville, Kentucky R390A, 24" box loop
 Father JACK PEJZA - Modesto, California SPR-4, Sancerino loop
 Scott STRENTZSCH - San Antonio, Texas DX-160, 55' longwire
 Tom SUNDSTROM - Willingboro, New Jersey HQ-150, SPR-4, vertical, SM-2, 70' longwire
 MWC - Medium Wave Circle
 NZDXRA - New Zealand DX Radio Association

From Father Jack comes a couple of domestics with foreign language programs

860 -KTRB Modesto, Calif. w/PP talk 1249 MM 10/13; in EE at 1318 recheck.
 1330 -KLSB Los Banos, Calif. w/SS 1332 10/7.
 1390 -KCEY Turlock, Calif. in FP 1302 MM 10/13. Turlock is 20 miles south of Modesto. As you might guess, there are a lot of Portuguese in this area.

Thats it. As you can see, condx way off from previous weeks, only TA noted by ye ED in the past week or so was Dakar-764. Lets hope the good condx return soon. If you're hearing anything, report. 73 - DX.



DOMESTIC DIGEST



editor.. Wes Boyd
 960 W. Liberty
 Girard, Ohio 44420
 216 545 4543

Well gang, looks much like the starts of a fantastic season. MM of 10/6 was great, however 10/13 stunk!! Just a bit to much noise that morning, but still noted the west sneaking thru. Before this issues goodies::::::

changes

Applications::

- 810 AL Jacksonville seeks 50Kw--DA-2
- 1130 KY Murray seeks 250w--Days
- 1250 CA Grass Valley seeks 500w--Days
- 1260 WI Amery seeks 5 Kw--DA-2
- 1320 MS Pt. Gibson seeks 500w--Days
- 1450 ID Bonners Ferry seeks 1k/250 ND
- 1510 AR Greenwood seeks 1 Kw--Days

NEW STATIONS:

- 1290 WQIN PA Lykens 500-D authorized pgm. operations.
- 1390 ???? GA Reidsville granted 500 watts daytime.
- 1400 ???? FL Perry Initial decision for new station here.

Changes to existing stations::

- 1060 WKNG GA ex: WTLG...seeks 2500 watts days
- 1090 WJKM TN seeks increase to 500 watts days
- 1110 WHYT TN seeks increase to 500 wt. DA-day
- WUAT TN seeks 1000 watts days, on 1170Khz.
- 1130 WAMG TN seeks increase to 2500 wt. days
- 1170 WUAT TN see 1110 KHz, item above.
- KPUG WA seeks 10K day/5Kw--DA-N
- 1390 KBLW UT seeks increase to 5000wt. days.
- 1320 KHRT ND seeks increase to 2500 wt. days
- WOBL OH seeks 1000 watt-- DA-2, PO:1570
- 1330 WFTO MA seeks increase to 2500 wt. days
- 1430 WBRB MI seeks adding 500wt. nite (DA-2)
- 1570 WOBL OH see 1320 item above.
- 1600 WOKB FL seeks to add 5Kw nites--DA.
- 920 KIYN WA seeks to add 500 wt. nite-DA.

GRANTS TO EXISTING STATIONS:

- 1110 KIPA HI increase day power to 5000 wt.
- 1270 WVOY MI add 5000wt nite-DA.
- 1330 WEVD NY change ant. system/site & operate DA-1 (WPOW facilities???)

Call Letter Actions::

- 1060 WKNG GA ex: WTLG
- 1140 WQII PR ex: WJIT
- 1490 WVIM MS seeks WJFL
- 1520 WTUU OH seeks WANR
- 1540 KBUY TX seeks KRXV

OTHER CHANGES & STUFFS:::

- 1010 WUDO PA station deleted/renewal not filed.
- 1320 WEET VA delete CP for daytime increase to 5Kw.

CHANGES NOTED BY REPORTERS::

- 1060 WTLG/WKNG GA CP sold, this might make it on the air yet. (JS)
- 1340 WLVL NY ex: WUSJ--using new calls 10/10 (Semko) Noted on ET using new call 10/14 at 0020 (Dr. Tom..by phone call!!) (Or I think it was him anyhow--HWB)

r c's

- 990 WABO MS 2nd. MM--TT/DT per list, but no IDs (JS)
- 1430 WVAM PA 1st. TU--TT 0100-0110+, IDs @ 2 min. (FD)
- 1600 WTYM NA 2nd. MM--TT/ f/c (??) 0207-0209+ (ELK)

AND: One newbie from Joe Fela::

4th. WED: 1420 WASR NH Tests 0005-0010 w/ 1Khz. TT only. This is a check w/ Cambridge Xtals, per verie. Noted in Sept. per ERC tip. (FELA) So group, it seems another shot for a hard to bag state exists, once you get thru our old buddy in Cleveland!--HWB

NEWPORT, RHODE ISLAND

W.A.D.K. only radio station

CUSTOMS--DOUANE C 1
 May be Officially Opened
 (Peut être ouvert d'office)

SEE INSTRUCTIONS ON BACK

Contents in detail:
 Désignation détaillée
 du contenu

FOR DOMESTIC DX DIGEST

(LETTER)

Mark X here if a gift (W)
 Il s'agit d'un cadeau (W)

or a sample of merchandise ()
 d'échantillon de marchandises ()

Value: ZERO Weight: low
 Poids: léger

Pa. Form 2976
 July 1977

WHIM

THE MIGHTY
WKOK
 AM & FM
 BOX 1076
 SUNBURY, PENNSYLVANIA 17801

KQYX, RADIO


Still more f/c info::
 790 KFGO 2nd. MM per list (HWB)
 And another newbie: 2510 WEST 20th STREET JOPLIN, MISSOURI 64807
 1400 WJZM TN 0100-0115 w/ 800Hz. TT & IDs @ 2 min. on 2nd. Thurs.(JS)

Before the good stuff, better say I'm sorry to RA, seems I lost his report from last week.

sunset & evening

1000 WKYB SC 10/10 Someone put a blanket o/ WCFL. Pulled WKYB 1835, WKBQ NC at 1845, WVOV AL at 1915 followed by WQTY AL at 1916, and finally got WXIN MS at 1930. (DMc)

1170 WCLN NC 10/9 Noted w/ s/off 1844. Don't think I've seen this reported as "on the air" before--(Fela)

1350 WZIX PA 10/7 Noted this w/ RR & ID at 1820 (Kauf)  1450 KC, 1000 WATTS
 midnight to sunrise

*570 WAAX AL 10/6 Noted w/ C&W 0302-0305+, "Big WAAX Country". Some WFAA QRN. Probably this & not KLAC w/ C&W noted on 9/15 (ELK) Maybe, but I've hrd. this thru WKBN's OC at it's s/off. Like you I've also noted weak C&W on 570, but doubt tis WAAX--or KLAC. Utah maybe??--HWB

610 WDAF MO 10/6 This noted w/ ID @ 0200 u/ WIP (DMc)
 710 CJRN ON 10/7 Mix of MOR & RR 0200-0230 u/ WOR, but easy copy. RM had CKVM at SSS the week before. So New England DXers can bag both if they really want to. (FD) You should try for "Keel 71" or WGBS--HWB

850 WJJC MN 10/13 ET w/ soft mx & IDs 0225-0230+ (JR)
 860 WGON IN 10/6 Strong on ET w/ RR 0202-0205 (ELK)
 900 CHML ON 10/5 MOR wallpaper mx, ID 0010 (Kauf)

CKTS PQ 10/5 CBC nx by RCI personality Bob Cadman then RR & ID. Must be a commercial affiliate & carries limited amount of CBC pgms.(Kauf)

940 WNAZ GA 10/10 Loud on ET w/ TT. Noted 0310-0340+, ID 0531. (JS)
 KHOS AZ 10/13 A suprise 0417, alone w/ C&W mx, ID @ 0415,nice.(JR)

960 KOOL AZ 10/13 Weak, w/ CKWS in WERC null w/ CBS nx 0400,then ID before state & local nx at 0405.(JP)

1000 UNID ?? 10/14 In WCFL null noted WQTY 0714 w/ mx., then in background think I hrd. "studios in Albuquerque", but lost 0715 to WIQT s/on. Would KKIM s/on this early?? (DMc) Possible, check SRS/SSS maps to see if this matches w/ LSR in Chicago. If so, then KKIM can come on!!! - HWB

+1070 CBA NB 10/6 S/on noted 0430, was 0500--log change! (FD)
 * WAPI AL 9/29 Noted this one w/ s/off 0108 (Bull)

1240 CJWA ON 10/6 Hrd. w/ contemp. mx & CJIC promos 0051-0100 thru some heavy TT QRN. (ELK)

1250 WEMP WI 10/6 L&C on ET 0350-0420 w/ ID @ 0400, lotsa TT & OC (RA)
 1330 WFTF FL 10/6 Rather good w/ C&W mx. @ 0215. Generally this is much stronger than the Youngstown Babblerum Machine here. (Fela) 10/13 Fair o/ unid LA 0209-0224 w/ C&W on "Big Country Nite Train", WHOT is rare here!! (MD)

1370 WLIC NC 10/7 Super loud O/U WSPD w/ ET. Stuck with it to s/off 0346, anned. as ET. (FD) So thats who that was!!!--HWB.

1400 WVIN MD 10/13 This one atop the jumble w/ wx report 0253 (MD)
 1420 CKTL PQ 10/6 With WHK off, a real Pandora's Box here. Had CKTL atop 0240-0250 w/ FF, WBSM MA w/ teletalk, then CKTP 6N w/ mx & spots.,nx 0300 and sports 0305. (FD)

*1440 WBCN MI 10/6 S/on w/ SSB 0500-0502 inviting comments. Add the MM s/on time to log. (FD)

1460 WBBA PA 10/13 ET w/ mx 0220-0225+, fairly good. (ELK)
 1500 UNID ?? 10/6 Eter w/ non stop C&W 0314-0347 tune out, some OC. No ID during this period, looped west, WDEN maybe??--(RA) WDEN is south, most likely another WDEE ET--HWB

1530 WTTI GA 10/13 In well w/ another ET 0121-0135, QRM from WCKY OC (ELK)
 *1550 WEDD KS 10/13 Loud ET/TT/OC 0300-0320+, ID 0310 (JS) Maybe this is the infamous f/c--HWB

KGNO MO 10/6 Noted on ET, frequent IDs, but no mention of Eting.(DMc)
 10/6 ET atop w/ TT 0353-0403+ (ELK)

WNTN MA 10/6 ET noted 0114-0200. (ELK)
 1560 WSHY IL 10/14 Loud ET/TT/OC, noted 0252,off w/ ID 0307 (JS)

1580 KTUF AZ 10/13 Loud on ET 0320-0335+ w/ KNIX FM RS C&W pgms. (JS)
 *1590 WVNA AL 10/10 ANing w/ MOR, loud u/ WAKR (JS)

"Opps" Dept.:::
I forgot this one:
920 WMEL FL 10/13 Very loud, alone w/ RR @ 0125 (MD)

1590
WARY

And now more results from the KQYX 1560 test on 10/6:
Hrd. well by ELK, fair by RA, & hrd. by SEMKO. Also, SEMKO questions if they used 10Kw or 250 watt on the test. I suspect the 10Kw was used, but to be honest it wouldn't make much difference in this direction---HWB.

REPORTERS::

RA	Ray Arruda	N. Dartmouth,MA	HQ129/SX122 SM2
Bull	Tom Bull	Washington,DC.	HQ180 & SM2
FD	Frank Dailey	Preston,CT	HQ180 & loop
MD	Marc DeLorenzo	Centerville,MA	HQ100 & SM1
Fela	Joe Fela	S. Plainfield,NJ	HQ180/HQ150 SM2 990 AM
Kauf	Malcom Kaufman	Flushing,NY	Grundig 2000 & DA-3/SW4 & AL4
ELK	Ed Krenjy	Middleburg Hts.,OH	HQ180 & looped
DMc	Dave McCourt	Williamsport,PA	HQ160 & SM2/Beveridge
dm			
JR	Jeff Roberts	Decatur,IL	DX150 & SM2
Dr.	Tom Williamson	Guelph,ON	HQ180 SM2/DX150 LW
JS	Jerry Starrski	Hubbard,OH	HQ180 & loop
HWB	Mineself	Girard,OH	HQ180 & loop

Has anyone ever noted that the equipment list from my reporters would make a fantastic ad for "Hammarlund" ??? Oh well.

WCLKW

FCC Investigates Order To Jam CB Radio Channels

WASHINGTON, DC — An FCC investigation is underway into what may be the first occurrence of a local government taking action to ban radio communications without federal order.

On September 6, an order was issued to "jam" citizens band radio channels in the Louisville, KY area by U.S. District Judge James Gordon. The action was taken to avert organized protest demonstrations in the wake of a school busing controversy.

Russell Moore, an engineer with the Jefferson County Board of Education, received the order from Judge Gordon to use a 1000-watt transmitter to block CB radio within a designated area. A simultaneous order was issued by Mayor Sloane of Louisville to place a ban on possession of all two-way radios within a specified jurisdiction.

Local residents have registered complaints with the FCC against the order prohibiting them from using radio equipment for which they are licensed.

Roscoe E. Long, associate counsel for the office of general counsel at the FCC, sees far-reaching implications of the judge's order. "A 1000-watt trans-

mitter will do more than jam stations in the Louisville area," he explains. "Jamming the 27-MHz band with this outside transmitter has great distance potential. It is possible that interference from this transmitter could be felt clear up to Canada." Long's view is that the situation is a technical as well as legal matter.

The question of how far local government can go after the FCC licenses individuals to operate within, rules and guidelines is part of the Commission's investigation. Says Long, "I believe this is the first time a case of this type has come up outside of war time, when temporary communication barriers were necessary for protection against subversive groups."

The FCC's findings will be brought before the Justice Department to help determine if the jam was valid under provisions of the Communications Act.

A spokesman for the Commission's Chief Engineer's office surmises, "To say the situation has raised a few eyebrows is an understatement."

— Margie Stenzler

From Electrical Engineer & Times, 10-6-75
Submitted by Mark Katz.

editor: Norm Maguire

2877 Kalakaua Ave. Apt. 703
Honolulu, HI. 96815

foreign dx achievements

DXer	Location	T.I.	Per.	CTTs	Oceania Best
G. Allen	California	2843	530	60	90 2KO Austr. 1410 500w
N. Maguire	Hawaii	2855	407	55	74 WVUQ Solomons 690 1kw
C. Freeman	California	1518	360	63	61 2VM 1530 500w
H. Gustafson	Illinois	840	294	100	60 2BE 1480 100w
H. Wilkinson	California	383	359	68	52 WXL Cantons Is. 1385 250w
R. Anderson	Virginia	1444	310	102	48 5MU 500w
D. Reynolds*	California	1354	472	79	44 9PA Papua 1250 2kw
S. Morss	Massachusetts	3922	424	82	14 2WL 1430
B. Dangerfield	Pennsylvania	417	340	115	2 2EL 740
E. Wesolowski	Nebraska	1650	141	23	7 4YA New Zealand 780
B. Karchevski**	California	204	29	8	6 R. Tarawa 844
J. Starr**	Ohio	1209	194	31	3 VSZ-1 Tarawa 844
D. Phillips*	Alabama	567	40	26	3 KPOA Hawaii 650
R. Leamy*	Ohio	311	112	45	3 R. Tarawa 844
F. Wheeler	Pennsylvania	1675	188	23	2 1YA N.Z. 760
R. Sperry*	Connecticut	1660	249	42	2 KHON Hawaii
B. Reynolds	Missouri	1064	121	28	2 2NA Austr. 1510
D. Whatnough*	Ontario	930	820	11	2 KORL Hawaii
R. Eddie*	Missouri	788	50	15	1 KORL Hawaii 650
A. Rugg	Quebec	1438	1245	60	---
M. Breger*	New York	895	194	49	---
M. Sorensen	Manitoba	537	385	13	---
T. Kerfoot	Ontario	342	259	13	---
H. Robie	Massachusetts	262	147	89	---
P. Mount	New Jersey	178	15	3	---

Many members need to update their totals. Do not want to drop anyone from the standings, but please keep your totals up to date. Next issue will feature South American totals and best veries. Off on a 3-week trip tonight. Good DXing. Aloha,
Norm

U.S. Begins Drive to Recruit Radio Personnel

WASHINGTON, Sept. 28 (AP)—The White House Office of Telecommunications Policy declared yesterday that a potential emergency existed in managing radio frequencies and instituted a governmentwide campaign to recruit and train personnel.

The agency acted in response to the findings of a General Accounting Office report last year. The G.A.O. found that an impending personnel shortage are held every few years to update allocations, and it is the next such meeting that concerns the White House agency.

The radio frequency spectrum is the range shared internationally for over-the-air in-

transmission information. Since two radio signals cannot occupy the same frequency in the same place at the same time, competition for frequencies is often fierce.

Because the radio spectrum knows no national boundaries, frequencies are controlled by international agreement. Certain parts of the spectrum or bands are allocated to specific services. International meetings are held every few years to update allocations, and it is the next such meeting that concerns the White House agency.

A study made by the Civil Service Commission a year ago found that more than 57 percent of the Federal Government's experienced negotiators in the field will have left Fed-

eral service before the next international frequency conference scheduled for 1979 in Geneva. At that time, worldwide radio allocations will be established through the year 2000.

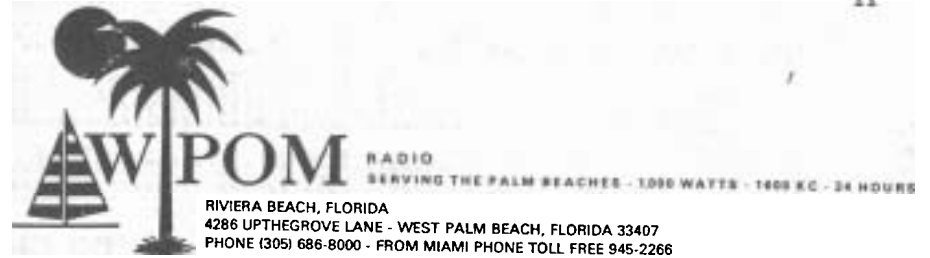
"This alarming manpower situation is aggravated by diplomatic forecasts that the negotiation strategies to be employed at the 1979 conference are likely to be of a highly contested nature," the White House office said. That agency and the Federal Communications Commission, which has authority over private spectrum users, represent this country in agreements of the International Telecommunications Union of the United Nations, which supersedes national law.

From the New York Times, 9-29-75
Submitted by Eric Horowitz



Vol.5 No.13

540	CBK-SA	SCH: 0645-0305	1090	WMUS-MI	Addr: Box 5260
580	WHP-PA	SCH: 0500(0700)-0000	1140	WQII-PR	ex WJIT
	WCHS-WV	SCH: 0500-0012	1170	WHLW-NJ	Addr: Box 1170
	CKY-MB	SCH: 24 hrs NSP	1240	KLYQ-MT	CP is on, delete #.
600	WVOG-LA	Addr: 125 N. Galvez St. Zip: 70119	1260	WBUD-NJ	SCH: 24 hrs NSP
610	WSNG-CT	SCH: 0545(0658)-0000	1270	KGUY-CA	Net: N
620	KTAR-AZ	Net: M	WVOY-MI	CP: U2 5000 5000	
	KIPA-HA	CP: U1 5000 5000	KBAM-WA	Net: M	
630	WMFD-NC	Net: C SCH: 0545(0700)- 0006	1280	KIT-WA	SCH: 0800-0300
710	WKJB-PR	CP is on. PWR: U1 5000 500	1290	WQIN-PA	Call for Lykens CP which is on, delete *
730	WNAK-PA	Net: AP	1300	KFLO-LA	Net: M
850	KICY-AK	SCH: 1200(1300)-0555	1320	KWHN-AR	SCH: 0630(0655 Sat, 0800 Sun)-0030
860	WAZE-FL	Net: Ac	WEET-VA	Delete CP of D3 5000 PWR is D1 1000	
910	KGLC-OK	SCH: 24 hrs SP:MM 0100-	1330	WJPS-IN	SCH: 0600-0110
	WRNL-VA	Net: N	WEVD-NY	CP: ST3 5000 5000	
930	KWOC-MO	SCH: 24 hrs SP:MM -0555	1340	KDOL-CA	CP is on. PWR: U1 1000 250
	WLLL-VA	Addr: Box 1510	WUSJ-NY	SCH: 0515(0600 Sat, 0800 Sun)-0000(2200)	
960	WFIR-VA	SCH: 0500(0600)-0107	*CP-UT	Manti, Zip: 84642. PWR: U1 250 250	
970	KOOK-MT	Addr: Box 1276	CKBG-PQ	Delete listing, on 1470	
980	KLYQ-MT	Delete listing, on 1240	1350	WRNY-NY	Addr: Box 67
1010	WUDO-PA	Delete listing.	CJDC-BC	SCH: 0800-0304	
1030	*CP-PR	San Juan. PWR: U_ 10000 10000	1360	KRUX-AZ	Addr: 7401 W. Camel- back Rd., Phoenix, Zip: 85033
	KTWO-WT	CP is on. PWR: U4 50000 50000	WSAI-OH	SCH: 24 hrs SP:MM 0300-0530	
1050	CKSB-MB	SCH: -0200	WGEE-WI	ex WBAY	
1060	*WKNG-GA	ex WTLG	1390	*CP-GA	Reidsville, Zip:30453 PWR: D1 500.Ad:Box 500
	WJKY-KY	IDs as Jamestown- Russell Springs.			



June 16, 1975

Mr. Jerry Starr
WHOT Radio
Youngstown, Ohio 44505

Dear Jerry:

This letter will confirm your reception of WPOM on April 21, 1975.

I am sorry for the delay in getting this letter to you. We are in the process of installing a new four tower array at WPOM and I have just been putting all the reception reports in a large pile.

WPOM was operating with a non-directional antenna at the time that your report was made. We were using reduced power, but still had a potent signal in many areas.

In the future, it will probably be very difficult to hear the station in the Northern areas of the country, due to our directional pattern.

I am enclosing a copy of our proposed directional pattern, that you may find of interest.

Once again, thank you for your interest in WPOM.

Very truly yours,

James M. Johnson
Chief Engineer

JMJ: 1m

Enclosure

CAPTAIN GLOTZ

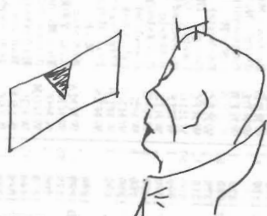
Stolen from founder
Carter Scholz...
Sorry



OUR FEARLESS LEADER
HEADS FOR THE W.C.
ABOARD THE FEARLESS SM-2



LOOKING THROUGH THE
GIANT READ-OUT OUR
LEADER PICKS-OUT HANK W.



YES THERE
HE IS
WRITING
A MUSE



DOUBLE
SPACED

LOOKING THROUGH
A SMALLER READ-OUT
GLOTZ FINDS CAL.
MISSING.....



STRIKING A CONCLUSION,
GLOTZ ACTS AT ONCE



GLOTZ PONDERES THE
NEXT STEP.....

NOW... WHAT
TO TELL HANK?



- 1390 WLAN-PA Zip: 17604
- 1400 KREO-CA Net: M
- CKOB-ON CP is on, delete *
- 1410 KLSC-OR Delete Net
- 1450 WILM-DE Addr: 1215 French St.
- WMBH-MO Addr: Box 608
- KONP-WA Net: M
- 1460 WBET-MA Net: UPI
- 1470 CBGI-PQ Net: F
- 1510 KNAM-TX Addr: 2001 West Wall St.
- 1520 WTUU-OH Net: M
- 1530 KFBK-CA Net: C,N
- WTTI-GA ANT: D6 Net: UPI
- *WJPJ-TN Call for Huntingdon CP.

- 1550 KOKA-LA Net: AC
 - WBSC-SC Net: Mb
 - KOQT-WA PSA: 500
 - KGAR-WA Net: Ac,Mb
 - 1560 WDXR-KY SCH: 24 hrs SP:MM 0100-0600
 - 1570 WTCL-OH Zip: 44481
 - 1590 WVNA-AL SCH: 24 hrs NSP. Net: M
 - WEEZ-PA Addr: 15 Kent Road, Aston, Zip: 19014
- Contributors: Frank Dailey, Wayne Murphy, Dave Schmidt, Paul Wordell, Neil Zank.

FACILITIES:

- 780 WAVA VA CP to add TV Translator ANT to top of tower.
- 940 WFNC NC CP to make changes in ANT system: increase height of NE tower.
- 1000 KXRB SD CP to install new AUX. XR
- 1140 WKCM KY CP to make changes in ANT system.
- 1170 WLBH IL Ditto.
- 1310 WTTL KY CP to change ANT/XR location to KY 262, 2.5 miles West of Madisonville.
- 1310 WHVN NC CP to change ANT/XR location to 3110 Peony Drive, Charlotte and operate XR by RC from main studio.
- 1330 WEVD NY CP to change ANT/XR location to 1111 Woodrow Rd., Staten Island.
- 1340 WHOU ME CP to redescribe XR location at 1340 North Road, Houlton and increase ANT height.
- 1370 KPCO CA CP to change ANT/XR location to 2/3 mile North of Quincy, change studio location to 173 Lawrence Street, Quincy.
- 1380 KUVR NE CP to make changes in ANT system and coordinates.
- 1390 WTJS TN CP to change daytime ANT/XR location to 122 Radio Road, Jackson.
- 1430 KLO UT CP to correct physical parameters and design of ANT array.
- 1530 KPCR MO CP to increase ANT efficiency during non-CH.
- 1590 WNOS NC CP to make changes in ANT system.

OPP - ORTUNITY
RADIO
A.M.F.M.
P.O. Box 169
OPP, ALABAMA 36467

Rin

editor: Ernest R. Cooper
5 Anthony St.
Provincetown, MA. 02657

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

JEFF ROBERTS - 945 East Moore - Decatur, Illinois - 62521

The return of Fall CX is certainly a relief here. Only six newies during the Summer & seven during September. MM 9/1- CJNR-730 Blind River Ont. s/on atop @ 5:55am. 9/13- CKPR-580 Thunder Bay Ont. in @ 2:03am fair, then s/off @ 2:05. MM 9/22- Reception unusually good to the N, w/several Canadians in. KRAD-740 Carlsbad N.M. in w/TT & weak IDs from 2:55-3am. Is this their r/c? 9/23- WPCF-1430 Panama City, Fla. in/out from 6:30 till at least 7:05am w/emergency info on Hurricane Eloise, which was only about three hours away from Panama City at the time, w/a surprisingly good signal. 10/6- WVCH-740 Pa. TEST logged here w/good ID @ 1:52am. WMTR-1250 N.J. then logged @ 2:05am on their TEST w/a very weak ID u/WREN's MOR & WTAE's ETing. Some people may have confused WTAE's TT w/the WMTR TEST. Anyway, New Jersey is State #45 for me. Thanks CPC, for helping me log this long-sought state. 73.

MARTY WRIGHT - 1913 Jeanette Lane - Springfield, Illinois - 62781

Despite frequent T-storms 92 new stations were added during the Summer months which I think shows that Summer is not a complete loss. Now most recent DX: 9/27- WAXX-1150 in strong concluding ET @ 2. I didn't hear the content of the test, just the s/off. KIML-1270 r/c, very strong here 2:15-2:30. 9/29- While fooling around the dial I was surprised to hear KPIK-1580 alone & strong 9:01pm to s/off @ 9:13. Then I caught the 9:45 s/off of KRGO-1550 in very well. A rather unusual situation all evening was WQXR-1560 o/semi-local WDXR. 10/1- WSUI-910 was on TT 1:30-2am w/frequent IDs. I was very happy to grab CHYR-730 1:50-1:58 10/4 on RS w/a fair signal. 10/6- TESTS heard here were WVCH & KQYX. WVCH was VERY weak but readable. KQYX was a powerhouse. No WMTR as WTAE was testing through the entire period. The 10/8 r/c of WHUB-1400 came in here stronger than any GY I have ever heard at that distance. At times the meter peaked, & no other station was audible. Two other r/cs heard 10/9: WATM-1590 very poor, & WTNK-1390 fair signal. CX have been better for S & W stations here in Central Ill. for the past couple of months w/90% of my loggings from those areas. Veries in from KBRX KWBZ CHML KDHL WQXR KIMM (KBRN) CKWS. As of 10/8 I logged 15 stations for the month. Happy Season to everyone. I am preparing to arrange some CPC programs with some Ill. stations where I have connections. If any of you have any preference on what you would like to have sked in this area please let me know. In closing, WCVS-1450 where I used to work is now NSP, formerly silent MM. I'm glad to see some ladies active in our Club, especially the teen-age ones. Sharon Waterman bears watching as the DX-er of the year.

BRUCE REYNOLDS - Route 2 - Warrensburg, Missouri - 64093

Not much time for DX due to busy sked, but a couple of brief MM sessions have been squeezed in. Jim Hopkins, I'll be eternally grateful for the WJIC-TEST! Maybe I'll finally get a verie from N.J., my only heard-but-unverified state. I got the ill-fated WSLT-TEST back in '65-'66, but no verie. WJIC made it amazingly well u/WLAC-AN. The closing ID was very clear through the latter's dead air. MM 10/6 brought WVCH-740-TEST, but just barely. Two IDs u/KVFC/KCBS, but not at all strong. No WMTR, onky WREN-AN & WTAE testing. WJR had a rare SP and much-wanted KFMB was in weakly 2:24-3:06 when WJR abruptly s/on in the middle of a NXcast. HJAJ was also on the channel along w/the Cuban. No sign of KGU, hi. After WJR s/on, back to bed for a couple of hours before time to go s/on KOKO. RX is still in the hospital, & I'm using an

(Reynolds)

old Heath GR-64. As mentioned last time, KUDL-1380 is now NIS, promising AN-7. KAYQ-1190 as of 10/6 went progressive country (ex-staid MoR) and remains CBS. 73. I got a verie on the WSLT TEST on a 3 yrs later f/up - RJE.

HARRY J. HAYES - Star Route Box 226C - Gouldsboro, Pennsylvania - 18424

I've had no openings to SA to speak of since Sept. YVKS-750, however, is there most every night w/its rr. All DX this week is domestic, or mostly so. 9/30- 7:30pm, WFRB-560 Md. w/c/w, s/off at this time. 7:54, WVOK-690 Ala. fair. 7:59, WGPC-940 Miss. strong. 10/1- 12:13am, WJLS-560 W.Va. o/WFIL w/NX. 12:50, unID-630 w/c/w. 6:38pm, WBZY-1140 Pa. w/excellent signal for first time. 6:40, WKEG-1110 Pa. dominating here w/rr. 10/2- XEWA-540, Mexico strong @ midnight. 12:15, KFI-640 Cal. sometimes o/Cuban who seems very weak these nights. Could it have something to do w/changing relations? 10/3, 1:30am, WJTN-1240 N.Y. & WRTA-1240 Pa. on ET. 2:28, CFLS-1240 Que. w/rr, strong. 11:35pm, WHJB-620 Pa. w/sports talk. 10/4- 1:45am, extremely strong het on low side of 1590; I suspect Germany. On LW, I had a weak signal around 164k w/mx & a high-pitched announcer. Signal was so weak, however. Type of mx & language were undecipherable. Who else though but France? I'm going to keep an eye on this LW band in the future. 2am, KKAA-1560 Aberdeen, S.D. w/fair signal & c/w, & into CBS NX @ 2. 2:10, WDXR-1560 Ky. was found to be the weak rr giving KKAA competition. 10/5- 1:33am, WROK-1440 Ill. heard w/rr & frequent IDs, fair level at times. 10/6- 2:24am, CFJR-1450 on w/c/w, a welcome catch. CUN7.

MIKE HARDESTER - Box 8174 - San Diego, California - 92102

No new DX to report, but three v/l's have recently been received as the result of f/ups: KPUR-1440 w/no verie statement per se; KML0-1000 w/date only; & KIKX-580 w/frequency only. Not as an attack against radio stations, but it appears that "knowledge" of what is, or constitutes, a verification is lacking in many cases. As with one of the preceding stations, their CE stated, "I hope this letter will fulfill your verification of reception request." Perhaps if in our reports requesting verification we included a statement to the effect of what our hobby is, & what verifications are - in a non-demeaning manner - we may possibly see some changes. After seven years of DXing, there has been a definite drop in the "quality" of veries I've received, & veries I've seen received by others. I would be interested in knowing of the availability of a Sanserino Loop, or similar (kit?). I simply don't have time to construct one, but would like to have one available when I have time to DX. Can anyone help? Thanks. 73. *Sanserino kit is still available. Address in Ant. Manual - R/c*

BILL ANDRES - 101-25 115th Street - Richmond Hill, New York - 11419

Noise levels down to "acceptable" in NYC after a Summer-long "unsafe" alert. Two back-to-back good MMs for a change here. Phone call to DS 9/29 re that AM's WJIC TEST (\$3.25 for nine minutes, Dave). By the way, I think he's part of the conspiracy that would have us Northerners believe that WICO-1320 exists.) 9/29- WJIC TEST in only for code IDs at end. I heard no mx here, at least not from WJIC. I thought it was real nice that CJRS/WMEX/WLAC all hung around to make sure 1510 was kept clear. Very loud ORTF-1554 AN. WJLK AN, or at least up to 1:22 w/rr; ditto WRAW (where were they when I needed them?)-1340. Newie CFJR-1450 w/c/w @ 3:26. WBPZ-1230 ID @ 4 as AM-FM. Regionals on 9/29 were disgusting - sounded like a crowd exiting at the end of a rock concert. Probably had more stations than listeners. I mean, we make it a POINT to listen MMs & they're only 700 of us! MM 10/6 was every enjoyable. I got another GY surprise, CFLS w/screaming FFC rr w/WGBB nulled, ID @ 3:30. OC on 1600 IDed as "WCGO Chicago Heights" @ 4:13, much-coveted here. It must've been a good NE opening, for seldom-heard WHYN was noted L&C, almost equal to WFIL AN, & Nfld./N.S. all over the place: CBT ID @ 4:30, mentioned "14 minutes of mx" so I guess s/on is 4:15. Very loud CBNM-740 I guess, no calls heard 4:32-5. TCs 1 1/2 hours ahead of ELT. Many Nflds. mentions. Ditto-990, EE w/Nfld. mention & 1 1/2 hour TX difference, CBY. covered by WIBG @ 5. CKEC-1320 5:39, c/w, only an hour ahead - that's 20 on 1320. Any SID collectors in NRC? I'll swap dubs of entire packages. ERC: I'll trade you two muggers for one shark! (?? -ERC)

JOHN A. CALLARMAN - 1122 Maple - Mount Vernon, Illinois - 62864
 Still a-tunin' and a-tapin'. 9/14 found WHMT-1190 u/WOWO @ 6:31pm; WVIC-1520 w/ID @ 7 in KMPL null; WKRA-1110 dominant, but on long wire NNW 200' WMBI Chicago atop, not discernible on loop. WSLV-1110 s/off 7:44, w/WKRA & WMBI off @ 8. September SSS at Omaha is 8:30, but I learned from a WMBI staffer at the Ill. NX Broadcasters Association Convention that WMBI's latest s/off is 8pm. During Winter, they'll go to Omaha SSS. Also heard in the gratch on 1110 @ 8pm was WBCA. 9/20- At 7:59pm, I found WKCU-1350 at s/off. A strong of four commercials @ 8:48 on 1600 had to be KBBB, but no ID. It would have been a verifiable log, so there are disadvantages to tape ID collecting. I stayed up 9/20-21 & found KWEN-1320 s/off 1:01am, WCOA-1370 s/off 1:11. I got a KBWD-1380 ID earlier (12:28). WVON-1390 @ 1:44 gave promo for Pop next morning w/DJ imitating the various tones! 9/21- WNAH-1360 "Gospel Voice" w/program from Tenn. State Fair; WLBB-1100 still on the air, s/off @ 7:44; WAIK-1590 s/iff 8:14. 9/29- I actually did a live MM session. WACO-1460 seems AN MM now; routine logs on XEPRS-1090, KNX-1070, unnn XEMO-860, KFH-1330, WBT-1110 & good tape on KRDS-1190 @ 3:58. KCBS testing gave ID on 740 @ 3:39. 10/1- Two stations noted still using September s/off time - WDEB-1500 going to 7:44 & WHLP-1570 till 8. I also had KGMR w/ID @ 7:30 on 1500. 10/2- KDKD-1280 atop channel. 10/6- I set tape on 740 & after CBL s/off @ 1:09, WVCH was there w/several good taped IDs. I woke up to reset tape on 1250 @ 2:37 & after nulling WREN, found WMTR generally atop channel on their TEST to 3am s/off. CHWO/WTAE survived, along w/an R&B ANer w/Black DJ, unID. 10/7- WLIJ ID u/local WDOQ-1580 @ 7:08pm. Assumed KBTC-1250 w/Houston commercials & bingo show 7-7:30; KBEA-1480 ID 7:35, WOSU-820 dominant to 7:57:30 s/off.

BILL COLEMAN Jr. - 114 Circle Drive - Rocky Mount, North Carolina - 27801
 TESTs heard on 10/6, local WEED on @ 12:25am, 1390, w/TT & mx, using 5kw non-directional. 1:28, WFMC-730 on w/instrumentals, ID, & 1k TT; 1:35 WNTN-1550 on for ET; 1:36 KQYX-1560 on w/TT & IDs; 1:43 KWEN-570 w/ET & ID; 2:05 WMTR-1250 on w/TEST w/mx; 2:25 WBJ-1240 on w/mx & TT & IDs. On 10/11 I heard WJOD-1380 on w/TT & ID @ 12:25 on my car radio & back at home I heard WTXI-1560 on w/ET & mx. (Who's he, Bill? - ERC) Phone calls & correspondence most welcome to AC 919 44-33116. (That's the way it's written -ERC) Best time 12-3am any night. 73s & peace to you.

ROB KEENEY - 22-12 Stouffer Place - Lawrence, Kansas - 66044

It's been a few issues since my last luse so I figured it was about time for another. I wish I could have made it to either convention but it wasn't possible. Plans are being made to attend the Louisville version next year. I am looking forward to another NE DX meeting, this one on 10/19 in Kearney. (NE for Nebraska, not North-East, hi - Ed.) Several pieces of equipment have been added to the shack recently, a Palomar frequency standard for SW DX & the MFJ SSB Audio Filter for both MW & SW. I'll write a review on the latter's use for MW DXing after I test it out. I hope to get a Q-Multiplier soon. Since foreign DX has been so good, the TAs in particular, the domestic stuff has really taken a backseat. Here's what I've heard the past week or two. 10/2- WDR-1586 @ 8:15pm w/MOR & German announcer country #36. Grenada-535 was probably the carrier noted @ 8:22pm. Lisboa-665 @ 8:41 w/WMAQ slop covering most of the audio. 10/3- BBC-1214 @ 1:46am w/light rr & Country #37. 10/4- UnID-1587a w/SS mx & terrible het on WAKR, looped to TA/W. Mexico, XEKC off frequency? 10/6- WVCH-740 w/ID on TEST @ 1:20am, taped report sent. KSSS-740 @ 1:24 w/ERC mx & many Sound-74 promos. This was the main QRM to WVCH. Dakar-764 @ 2:02 just after s-on s-S-5 signals and good readability thanks to WJR SP. CSB2-1034 @ 2:20 w/poor audio u/WHO slop. UnID-1140 @ 3:16am w/FF/EE mx c/u jammer, SID @ 3:30 but I can't make it out. It sounded like an ET. KORL-650 not as strong as its first appearance on 9/15 when S-7! They were using the new all-rr format w/IDs on the half hour. ZP19-645 for Country #38 w/SS mx & not much talk @ 3:43. WLCY-1380 w/contest promo @ 5:12am, Fla. #13. Finally for country #39, St. Pierre-1375 @ 5:37 w/EZL piano and/or organ mx, FF talk @ 5L40. Only recent verie, a v/q from LYA-760 for last Spring report.

(Keeney)

I've been busy trying to run IRCA's CPC the last few months, so if I'm late with tapes to my tapesponders, bear with me! 73s & pray for a crop of good CPC TESTs this season.

RAY ARRUDA - 48 Woodlawn Street - New Bedford, Massachusetts - 02744

Looks like we're going to enjoy a good DX season. I did not DX on MMs 10/13 & 10/20 but MM 10/6 went quite well so here are the results: WVCH-740 heard easily on TEST after CBL s/off w/EL mx, TT, & IDs, 1:10-1:32am. KQYX-1560-TEST fair u/WQXR OC 1:40-2 w/TT & SIDs approximately every minute. WMTR TEST in very well w/mx-TT-variety of IDs & mention of several locations that called station during the TEST. This from 2:01 to 2:36 tuneout. UnID tester on 1500 w/c/w from 3:14 to 3:47 tuneout, no IDs heard, but it may have been WDEB (?) (Nope, not this time, Ray - 'twas only WDEE - they wasted 59 minutes of my time! -ERC) From 3:50 to 4:10 WEMP-1250 was L&C w/ET/TT/OC & voice ID @ 3:59. WJR-760 was off part of AM but returned to RS by 4:30 & the KBTN TEST didn't have a chance here because of local WBSM. New stations: WVCH, WMTR, WEMP & KQYX. I received one verie, a letter & card from Ron Musco for WSWG-73.

GEORGE SEMKO - 46 Arcade Avenue - Buffalo, New York - 14226

One year in the NRC has really proven to be beneficial. Last year at this time my totals were: 246/93; 33/27. Now they're 420/130; 41/33. (Heard/verified, states/states verified). Recent DX: 9/27- WTTN-1580 s/off @ 8. KWNT-1580 tentative s/off @ 8:15. 9/28- WTOD-1560 s/off @ 7:45. 10/4- I heard two unns: KFI-640 o/Cuban @ 11:35pm, & KSTP tentatively mixing w/WTOP/WDEE. MM 10/6- KBTN-TEST tentatively heard. KQYX heard strong at times - a good TEST. MM 10/13- CX were not very good - nothing new heard. A couple of TTs w/no IDs. They were very weak anyway. veries are coming in very slowly. v/q- KOA, WHBL, CFCO, CHML. v/1- KWKY, also sent CM, KOMO also, WBBZ, WCOV, WPED, also sent CM. WBBQ also sent CM & said my report was one of their farthest yet. CKLB & CHIN also sent CMs. v/f- KXEO. KCHA wrote verification on my report & sent me a rate card. I'm waiting to hear from WIOS, KRMG, WHGR, CHUM, WTTN & a few others - 33 reports out, 15 received. I'll get those v/s in to ERC as soon as possible. I am still using DX-150a w/LW, the SM-2 is totally gone. All it does is create spurs, and it never nulls. All totals up there are domestic - I have not tried foreign DX yet. 73s.

DARIO MONFERINI - 8 Via Davanzati - 20158 - Milano, Italy

Always ciao from Italy! "51" is often used here in Europe to mean "Good luck in your DXes" & I hope this may solve your request Ernest. OK, I wish to talk about DX NEWS #29 where I have seen interesting TAs, Europeans, & here is my modest support. 1025, EAJ8, I confirm they have the 5am FF show cause Summer time hour (Spain will be GMT plus 1 from Oct. usually). 1376, R. France surely, 4:56. 1466, Monte Carlo w/TWR program is yet 1,200kw. 1457 surely 50kw BBC local Radio London. Italy is turned to Winter time from today, 9/28. This makes the AN service of RAI-899-845 10:30pm-4:59am. As promised I talk about the mid-August opening: In reality the opening has not been in the NA direction. 8/13, 8/15 & 8/17 has offered WINS-1010, ORTF-1375 St. Pierre & Miquelon, ONLY. 8/26 HAS BEEN THE first positive day for TAs from NA noted @ 12:45-2am, VOA-1180 Marathon, WOWO-1190, WCAU-1210, WINZ-940 Mimal, very rare in N. Europe due to its antenna, WEZE-1260 booming my ears like a local, WBEW-1130, WINS-1010. If the promises of an interesting period was in my mind, it's all gone - lost, due to a period of two weeks of non-stop storms & riders on my head! Hi. I was believing to see the new rain deluvium, then finally 9/13 I noted again signals from the prairies: At 2-2:30am, WNEW-1130, WOWO-1190, & VOA-1180. 9/14 has been good - noted 12:30-2:20: WINS-1010, WCAU-1210 w/CBS NX, & new for me WSAY-1370 Rochester w/WX. 1390 w/WX for E. Ont. & N.Y. State, CHNS-960, 1180-VOA, WEZE/WOK-1260 mixed, WOWO-1190, WGAR-1220. Soon after 2:30 CX changed to Ven-zeuela w/YVTO-1220, YVPF-1290, YVZX-1310 IDing as Estacion X. The same night I heard IBA Pennine Radio-1277 w/test & voice mirror every 9 minutes.

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

CHAPTER III - The Low Down on the Low End.

In the early 30's, WMCA and WNYC both used 570 kilocycles, sharing the time, but far from equally. Then as now, WNYC was owned by the City of New York, and they operated only a very minimal sked, from 6 p.m. week nights to as early as 7:30 some evenings to as late as 8:15 on others. As the title of this series indicates, I am using my own memories on these glancebacks, and I believe they also had a couple of day-time hours as well, with WMCA using the rest of the time between 7:30 a.m. and midnight. WNYC demanded more time on the air of WMCA, which was refused, and one day, WNYC announced they would sign on at 2 p.m. whether or not WMCA signed off then, and they did - and the whole thing landed in the lap of the then governing body of radio licenses, the Federal Radio Commission. Since WMCA-570 and WPCB-810 were under the same management by this time, the FRC resolved the case by awarding WNYC 810, with a Limited Time license, dawn to Minneapolis sunset, and deleting WPCB, and granting WMCA-570 full time. WMCA's calls stood for the hotel wherein their studios were then located - the Hotel McAlpin, and WPCB's were in the Park Central Hotel. Both WMCA & WPCB used to carry the old Chinatown Mission broadcast every Sunday afternoon from 5-7 Doyers Street "in the heart of Chinatown" and the network extended from Boston to Wilmington, Delaware. If you remember this program with preacher Tom Noonan, you qualify as an Old Timer!

NBC then ran two networks, known as the Red and the Blue Networks. The principal shows were largely on the Red Network, headed by WEAJ-660 in New York and WMAQ-670 in Chicago. CBS had only one network, but originally both WOR-710 and WABC-860 were CBS stations, with the CBS program coming on either WOR or WABC, but never both. Eventually the present FCC decided two networks were monopolistic, and ordered NBC to divest itself of one chain, and they sold one, giving birth to the ABC Radio Network. When Mutual came into being, WOR-710 was the key station.

On 1010, four stations divided the hours between 8 a.m. & midnight, WHN, WRNY, WPAP, & WQAO. These were all in N.Y.C. in the early 30's, but WPAP was originally located in Palisades Amusement Park, in New Jersey. WQAO was owned by Calvary Baptist Church, and broadcast only when the church had services - three times on Sunday, 11 a.m. to 12:30 p.m., 3-4:30, and 7-8:30pm, and 7:30-8:30pm on Wednesdays. Eventually, WHN bought out WQAO, and later acquired the other two and thus became a fulltime station. All these were 250 watts in those days. When MGM bought WHN, they changed the call sign to WMGM, and then after much ado, after the latter sold the station, the old calls "WHN" were restored.

NEXT TIME : "THE HIGHER-UPS."

WAYNE MURPHY - 1411 Phyllis Avenue - Louisville, Kentucky - 40215

Biggest news here is the purchase of an R-390A at a local hamfest for \$350. It's really a nice one, w/only a few minor problems, like getting all my equipment integrated w/its different features. I'm using the old Astronaut-8 for a speaker (I knew it would come in handy some day!) I sold my old HQ-129-X to new NRC'er Ted Fleischaker of Cincinnati, or, Louisville (hi). Ted has been very helpful in working on & promoting next year's Convention, & is a welcome addition to the group. On the DX scene: I've yet to hear any TAs this season, & it seems I'm one of the last who hasn't. I overslept a great opening on 9/6 when my usual Sun. night nap extended until 3:30 MM, & CX have been non-existent ever since. One thing of interest is that CFUN-1410 B.C. has been coming regularly since 9/1, often killing WING w/S-9 signals, seems like DA's outta whack or something. Former NRC IRCA'er Dave White is back in town after about a year at WKEE-800. He's working at WKLO-1080 as before, & though he hasn't DXed in several years, he said he will try to make one of our get-togethers. Maybe we can get him back in the Club. Thanks to all who have viced support or promised attendance at the Convention next year. As far as TDB, anybody who's been watching the news knows we won't be using buses, hi. Phone here is 502-368-9455 in case anyone's interested. 73. REMEMBER TO DOUBLE SPACE YOUR MUSINGS. WE ARE HOLDING ONE MUSING OVER TILL NEXT ISSUE RECEIVED HAND-PRINTED ON LINED, HOLED PAPER, SINGLE-SPACED

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

Hi all. I'm bogged down with school work & other obligations, so little DX - here it is. 9/20- WMCS supposedlt testing but just Bosox BB & CJFP w/flute mx breaking through superpest WPCE. Ever since I heard their call change & thought it was WECE, I can't get rid of them. CFNB-550 another superpest. WGAN-560, newie by // -WTIC-1080 w/Red Sox BB 12:30. Oh yes, time of WMCS try was 12:20am. A TTer was sitting on top of 1080 @ 12:32 w/beeps, lk, strong, WDR? Also TT-1330 weak u/WEVD. TA hets noted all over the band. WGEM-1440 w/WGEM NX @ 12:49 after rr, u/CFG0. 1:04, WEVD-1330 off RS & Tting. 9/25- SSS, PJB strong @ 6:45 as I picked off newies WCCM & WCHA-800. WTMR & CKLW also were trouble. WCCM s/off 7pm w/FM mention, WCHA 7:14, neither w/SSB. Would anyone know whether the recent trend is toward fewer SSBs at s/off? It seems that way. 9/26- WILD-1090 w/soul u/WBAL, WJUN-1220 w/tail end of s/off 7:15, WCTR-1530 unnn @ s/off 7:14. SM 9/28- 1550, a newie, WXVA, with sudden Id & then gone - whoops! @ 7:14. MM 9/29 Weird goings-on at the bottom of the band. 1:40, comic-progressive (no relation to manic-depressive, hi) rr-1590, turned out to be unnn WGOE on ET. They ran some taped IDs @ 1:59. Similar programminz on 1600, who? Also someone w/AP NX on 1600 @ 1:45, may have been WUNR, their s/off heard on top @ 2. I was really too tired to sort out my log sheet, hi. lk TT-1310 @ 2:01 in mess. WJIC TEST unheard u/FFC 2:30-2:37, unless 'twas they w/instrumntals ("The Horse") & no IDs heard. Anyone who wouldn't mind filling me in on the formats of certain stations in their area, please let me know - I could use correspondents in several areas. Next Muse I'll resort to bribes, hi. 73s. Mass. 02657

ERNEST R. COOPER - The Cape Tip DXer - 5 Anthony St. - Provincetown, Two more veries, a v/c from WSWG-610 and Anguilla-1505, both goodies to me! DX Down the Week: 10/10- On 610, looping SSE/NNW, a low TT 1:37 till after 2, no IDs. TT on/off on 1580 2:10-2:15, no IDs either. WERI-1230 atop@ 2:04 w/Phil Rizzuto plugging his sports show. Gee, he stays up late! 'Twas getting towards Auroralness today! SM 10/12- Quite Auroral. On 995, but too weak to log or ID, an SS-rr. On 920, two SSBs o/the domestics, 12:38-1:13, & I to bed, too tired. One mentioned "Popular" but not necessarily R. Popular, no other hints as to their IDs. MM 10/13 - Semi-Auroral & noisy - we had a T-storm Sunday night around 7:30. The 1330 mystery lam s/off-er could be using FF. I still crave help on this 'un. The third MM in a row found them on top @ s/off, today @ 1:14. Unns WCKY/WTTI-1530 ETing together @ 1:40. WCBW-1520 was dead, w/an SS there, no WTUU, drat. An SS u/all the OCs on 1390 @ 1:08, who's this? WCBG-880 was off & ETing w/OC, w/"parentheses" noted on 875 & 885a. Unn KGMO-1550 ETing @ 2:04. An E/W TTer on 970 @ 2:10, no IDs noted. "Ondas del Caribe"-1150 on top @ 2:30. Then, a goodie in KTUF-1580 (Kay-Tough) on ET w/FM program of KNIX for sound, but on/off @ 3:02-3:20, as I lopped away from the Colombian & WSRF. And hey, they played my theme song "I Like Beer"! How 'bout that? 10/16- Odd morn - Lille-1376 was good, but on 1370, 'twas a Bogota Caracol station o/WSPD! WGMA-1320 on top @ 12:05am, and on 1593a, an SS w/femme announcer. At 2:33, WPDQ-1460 topped everything, & on 1470, the other direction was best in WLAM-1470, Me. w/teeny-bop mx & shouted NX @ 3am, ech. I for one object to the terms "YL" and "OM" to distinguish between a man & woman announcer - YL means, supposedly, Young Lady, while OM stands for Old Man. I don't enjoy being called an Old Man, & I hate the term of reference, even it is colloquial ham-lingo abbreviation. Odd; local WVLC-1170 has s/off all this month at the strange time of 5:50pm! CUN7.



Radio Favorita

CALLE SEXTA 224

APDO. 13 CD. MIGUEL ALEMAN, TAMPS. P. O. BOX 925 ROMA, TEXAS

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KDSX 950 AM
KDSX BACKGROUND MUSIC 101.7 FM

DENISON-SHERMAN, TEXAS
NEWS RADIO



9/26/72

KARL,

A QUICK CHECK OF OUR PROGRAM LOGS INDICATE CONGRATS ARE
IN ORDER. NICE GOING!

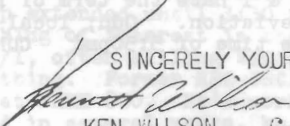
I REMEMBER MY EARLIER DAYS.....I HAD A KNIGHT-KIT (ALLIED)
"OCEAN HOPPER" THAT PROVIDED MANY HOURS OF SWLING.

A BIT MORE INFO.....WE ARE HIGHLY DIRECTIONAL (FOUR TOWERS)
AND, SURPRISINGLY, LITTLE OF OUR SIGNAL GOES YOUR WAY.
500 WATTS, TOO.....NICE CATCH!

"MUSIC FOR YOUR EARLY MORNING LISTENING PLEASURE" IS PART
OF THE INTRO TO A PGM. CALLED "MOONLIGHT MOODS AND MUSIC"
.....IT'S MY VOICE ON THE INTRO.....

WELL, GOTTA GET WITH IT. WE'RE PRESENTLY INSTALLING A
NEW D.J. IN THE CONTROL ROOM....JUST ABOUT GOT 'EM WIRED UP.

SINCERELY YOURS,



KEN WILSON C.E.

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A STANDARD METROPOLITAN STATISTICAL AREA

This graph shows the daily variation in APRR, the Fredericksburg index of geomagnetic/auroral disturbance in the Earth's magnetic field. High values of the A index usually result from a heavy influx of electrically charged particles into the upper atmosphere following certain types of solar disturbances. The severe medium-wave signal absorption produced by one of these events is most intense in higher latitudes and affects high frequency MW signals less than those on lower channels. Values of A above about 20 are inevitably associated with heavy signal absorption along TA and TP paths; very high values (above say 40) are usually accompanied by D and E-region blanketing over North America and Europe; on such a night reception from the south is favored. The maximum absorption for some events may be delayed a few days after the geomagnetic disturbance or may occur immediately. Extended periods of low geomagnetic/auroral activity are necessary but not sufficient to guarantee excellent high latitude reception throughout the MW band; other ionospheric effects such as sporadic E and the winter anomaly may mask what would otherwise be excellent ex following prolonged quiet.

