



DX NEWS

*the magazine of the
National Radio Club*
— SINCE 1933 —

VOL. 44; NO. 1

18 OCTOBER 1976

With this issue, we commence Volume 44 of DX NEWS. We are happy to announce that our de-centralisation process is working well at present with the Publications Center and Membership Center functioning fully at locations remote from HQ here in NJ. We do want to remind members that we are changing operations on membership expirations slightly as announced in prior bulletins. We will be sending out ONE RENEWAL NOTICE AND ONE DROP NOTICE PER MEMBER!! We formerly sent two of each, but this is a luxury which in these times of inflation we cannot continue without increasing the costs of membership, which we do not want to do. Therefore, we ask you to please heed these once-only notices as you receive them, and to PLEASE RENEW PROMPTLY! If we have to process a drop and then a subsequent re-join within a few weeks, and then as likely as not a request for the in-between bulletins in back-issue, we are doing TRIPLE WORK!

We should also like to request of our members who write for other clubs or for the commercial hobby press to please make prominent note of our new Publications and Membership Centers; their functions and addresses. If comments last week were slightly misleading, ALL new joins should go to the Membership Center, not just gift memberships. Our intent was that prospective new members wouldn't likely be reading those lines.

ON THE INSIDE.....

- NRC Domestic Log Updater , Vol. 6, # 1 - John Callarman
 - Louisville Convention Report & Pix - Ted Fleischaker for the LADs
 - The Rustrak 88 Recorder - Ron Schatz
 - Radio Million - Ron Schatz
 - The Scott Ross Radio Net - (typed by Glenn Cooper, sent by ???)
 - New Brazilian Station List - Robert Veltmeijer (typed - Paul Wardell)
- (Lists stations over 1 kw at nite only - full list is available, details later)

NEW MEMBERS

- * Tom O'Connor, 1316 Lake St., Evanston, IL 60201
- * Jeffrey Kay, 12 Peveril Hill So., Toronto, Ontario, CANADA M6C 3A8
- Bill Dulmage, RR 3, Colborne, Ontario, CANADA, K0K 1S0
- Francis J. Hart III, 25 Paulson Dr., Burlington, MA 01803 (re-joins)
- * Thomas W. Adams, P.O. Box 1165, Midland, MI 48640
- * Stanley Dunn, 23 Scarlet Oak Rd., Levittown, PA 19056

RENEWALS

D. Copeland, M. Meehan, R. Black, F. Osborne, R. Eckman, I. Green, D. Reynolds, K. Forth, T. Fleischaker, M. Stilwell, M. Dilbeck, R. Mendelsson, R. Pistek, E. Shetter, R. Lindblade, C. Hafter, L. Ryden, G. McKay, M. deLorenzo, G. Atkins, J. Kowalski, J. Sommer, W. Schneider, T. Legattuta, M. Katz, J. Long, W. Hoover, A. Nissen, R. Schiller, J. Baldwin, W. Childers, L. Kruse, R. Edmonds, P. Taylor, J. Sampson, R. Stonier, W. Boyd, J. Starr, C. Hutton, A. Merriman, E. Cooper.

IMPORTANT NOTE: Please notify us of changes of address before you move, or it will end up costing us, and eventually you, money. We will have to bill you for these outrageous P.O. charges for address change notification !!!!

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

C. P. C. TEST SCHEDULE

international dx digest

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Fairfax, VA. 22030

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

MONDAY	OCT. 25	0300-0330	* KYME-740	* Boise, ID	500 D	NRC
MONDAY	NOV. 01	0230-0300	* WPHB-1260	* Phillipsburg, PA	5000 D	IRCA
		0300-	* KVEG-970	* Las Vegas, NV	500 D	IRCA
		0300-0330	* WATZ-1450	* Alpena,	1000/250 U	NRC
		0530-0600	* KFLA-1310	* Scott City, KS	500 D	IRCA
TUESDAY	02	0545-0600	* WNVA-1350	* Norton, VA	5000 D	IRCA
MONDAY	08	0330-0400	* WVEE-1460	* Lafayette, TN	1000 D	NRC
MONDAY	15	0230-0330	* WGLB-1560	* Port Washington, WI	250 D	NNRC
		0300-0330	* KVRN-980	* Sonora, TX	1000 D	IRCA
		0330-0400	* KLBM-1450	* LaGrande, OR	1000/250 U	NRC
MONDAY	22	0300-0400	* KMEL-1450	* Junction, TX	1000/250 U	IRCA
MONDAY	29	0100-0200	* WKTY-580	* La Crosse, WI	5000/1000 U	NNRC
		0200-0300	* KVWC-1280	* Pearsall, TX	500 U	IRCA
MONDAY DEC. 06		0100-0200	* WOND-1400	* Pleasantville, NJ	1000/250 U	NRC
		0200-0400	* WTAW-1150	* College Station, TX	1000 D	IRCA
		0300-0330	* WNAT-1450	* Natchez, MS	1000/250 U	NRC
MONDAY	13	0500-0600	* KREC-1390	* Waxahatchee, TX	500 D	IRCA
1st 30 of month		0030-0045	* WNBV-1450	* Newberry, MI	1000/250 U	NRC

DETAILS:

- KYME** - Music, tones, Morse IDs. Phone calls (prepaid) at (208) 376-0740. No v/s. Addr.: P.O. Box 1619, 83701. Arr. Kelly Andrews.
- WPHB** - 1000 Hz tone; country music. v/s Dean Sharpless. Addr.: Box 361, 16866. Arr. Jim Hopkins.
- KVEG** - Will use country music, frequent IDs, and will mention IRCA. Steve Herman will put the program on and air checks can be sent to him at KVEG, Castaways Hotel, 89109. Calls (prepaid) to (702) 735-8644. Arr. Karl Raymond.
- WATZ** - Will use short music cuts with lots of brass; IDs between each music cut preceded and followed by 1000 Hz tone with occasional wowing. v/s Ralph Diethelm, Mgr. Addr.: Box 536, 49707.
- KFLA** - 1000 Hz tone, gospel music, code IDs. v/s Claude Van Horn, CE. Addr.: Rte 1, Box 6, 67871. Arr. Rob Keaney.
- WNVA** - This will be a R/C. v/s William G. Stallard, mgr. Addr.: Box 500, 24273. Arr. Jim Hopkins

NOTES &c FROM NJPC

ADDRESS CHANGE FOR FLASH ALERT SERVICE

Den Myers Ph.: (717) 939-5694
309R Hollywood Drive
Middletown, PA 17057

According to information seen in a current issue of **WV Reports**, the WV propagation information is to be resumed at 18 minutes after the hour, as previous.

Congratulations to **WV** publisher and editor, Russ Edmunds, and his new bride, Diane, who were married **WV** Sunday, October 10. NJPC was represented by Bob Stonier, best man, and PT, organist.

Lets start right out this time with whats been heard

- 529 -ALGERIA Ain Beida AA chanting 0004 9/15, poor w/fades. QRM de beacon. (Brodsky)
- 540 -MEXICO XEWA San Luis Potosi, SLP 9/27 at 0235 ID and talk by man. (Brodsky)
- VENEZUELA Caracas, Call??, definite location ID at 0113 9/24. Hrd an EE jingle and a EE top 40 song, otherwise all in SS, backed by high pitch noise, fade at 0123. (Was it Caracas?) (Rychalsky) Caracas has a stn on 550 so they definitely wouldn't also have one on 540. Two YV's listed on 540, could have been either. (ED)
- 545 -DOMINICA R. Jumbo, Roseau so strong 0215 10/4 that they were in the clear on a pocket AM-FM. SID's w/some sort of electronic effect, s/off by YL in FF at 0219. (Hutton) * **Overpowering adjacent domestics; man in FF, then disco-mx, 2322, 9/25.** (Connelly) * Usually wiping out 550 domestics w/het. (Brodsky)
- USSR FES 1024-1107 in parallel w/575 at Kullima. (Maguire)
- UNID 10/4 at 1000 w/FF ancrs and 3 tone IS. Didn't get an ID because of frequent deep fading, but suspect this one to be R. Jumbo. (Ponder) SI, ED.
- 548 -ALGERIA Oran vy weak in 550 slop w/1 khz filter, w/AA mx, 0417, 9/16. (Falconer)
- 552 -UNID Weak SS 10/5 at 0415 - TISBJ returned? Not noticed before in spite of much time spent from 550-600 khz recently. (Hutton)
- 570 -CUBA R. Bebelde CMHI excellent w/local WMCA null. Man in rapid SS w/speech on communism and many mentions of Santa Clara 9/27 0020. (Brodsky)
- 575 -USSR FES 1110-1116 at Kullima. (Maguire)
- 580 -AUSTRALIA 4QR Brisbane 1100-1115 w/musical pgm. (Maguire)
- PUERTO RICO San Juan WKAQ good w/SS talk, "WKAQ Mas Musica" jingle, then MoR mx, o/u 2 other SS LA's, 0220, 9/26. (Connelly) (Falconer)
- 584 -SPAIN RNE Madrid weak w/OM in SS surfacing from time to time 0407 9/18.
- USSR FES (Svobodnyy?) in JJ at 1014 on 10/4. Some long fades but was vy strong when returned at 1101. **Reported directly to this stn. Have hopes.** (Wilkinson)
- 590 -COLOMBIA HJCR R. Sutatenza 9/13 at 0500 w/ID u/CMW; must be their new 100 kw. never hrd before. WPLO off. (Hutton)
- CUBA Habana CMW strong like bull 0106 9/24. (Rychalsky)
- 600 -UNID Definite ID "R. Libertad" at 0053 9/24 vy faint w/Cuban stn. (Any ideas?) (Rychalsky) Tls HJHJ Barranquilla, 50 kw. (ED)
- 605 -NORTH KOREA R. Pyongyang outlet hrd w/selections of oriental mx and vocals by group. At good volume from 1032 to 1038 on 10/4. Was in // to 655 at 1010 on 9/20. (Wilkinson)
- 635 -NORTH KOREA R. Pyongyang outlet w/long winded talk from 1041-1059 10/4. (Wilkinson)
- UNID Poor to fair SS 0200 10/4, non-descript mx. Has anybody IDed this one yet? (Hutton)
- 638 -UNID TA Likely Spain putting strong het on 640 0415 9/18. (Falconer)
- 640 -CUBA CMQ Havana 9/20 0840 most likely SS in slight KFI null. Religious broadcast o/KFI just too much to get a good null on KFI. (Lobel)
- VENEZUELA Puerto la Cruz YVQO good w/"Love in the Shadows", then Onda Porteña ID, then slow SS female vocal; potent and totally dominant, 2325, 9/25. (Con)
- UNID Metal drums mx 0010-0030 9/24, vy faint, no idea of ID due to Havana's blasting musical ID. (Rychalsky)
- 645 -CHINA Beijing, 10/3 at 1224 w/man talking. Poor/fair. Some KFI slop. 9/18 1300 w/time pips ans IS followed by talk by man. Faintly audible. (Kaskey)
- 647 -USSR FES stn hrd from 1058-1100 on 9/27. R. Moscow chimes ID at 1100. Algo hrd at 1107 on 10/4 but not as strong. (Wilkinson) * At 1338 9/23. (Blocher)
- 650 -HAWAII KORL Honolulu atop 1135 9/11 and oftines since. Never w/much of a powerful sig tho. (Kaskey)
- 655 -NORTH KOREA Pyongyang 9/26 at 1331 weak/fair w/group singing; better by 1334. 10/3 fair at 1226 w/man talking, St, KNER no help. 9/11 at 1135 fairly weak but audible; 9/18 1302-1310 w/fair sigs; 9/19 1356 fair but fading; 9/25 weak to fair 1240 on and playing mx for a change..this a regular. (Kaskey) * At 1253 on 9/23. (Blocher) * Like a local here most AM's from 1030 to 1400. (Wilkinson)
- NEW ZEALAND 2YC Wellington 1140-1154 thru KORL. (Maguire)
- UNID 2 orientals hrd at same time from 1307-1316 on 10/3. HJCM has been hrd on this freq on occasions. Also Jap w/baseball game. Will follow up. (Wilkinson)

665 -PORTUGAL Lisbon good against WNBC and YVLL QRM, 0150, 9/25. (Connelly)
670 -VENEZUELA Caracas YVLL loud w/slow male SS vocal, then numerous ads and men-
tions of Rumbos and Venezuela, 2333, 9/25. (Connelly)
683 -SPAIN RNE Sevilla surfacing at times w/cl mx 0335 9/16. (Falconer) * Tentative-
the likely source of het on WRKO, 0200, 9/25. (Connelly)
700 -COLOMBIA Cali HJGX fair (only slightly o/a jumble of others, many co-channel
stns also hets believed to be from Dominican Republic-698 and Morocco-701); R.
Sutatenza Cali ID followed by brassy mx, 0213, 9/26. (Connelly)
-ECUADOR HCJB Quito clear 0600, not needed. (Maguire)
-JAPAN JOFB/JOKD Hiroshima/Kitami 9/18 weak at 1305 but cut thru KNBR slop 1348
for better sig //770-NHK 2. 9/19 vy weak at 1355; 9/25 fair sig 1350, atop
another UFO. 9/26 at 1336 readable to fair. NHK-2, talk, talk, talk; 10/3
poor/fair 1315 w/mucho KNBR slop. Better at S4 by 1327. (Kaskey) * Unable to
determine which one (NHK stns) on 10/3. NHK chain also uses a musical inter-
lude similar to a slow version of the song "Honey" at 20 after and 20 before
the hour. (Wilkinson)
-UNID In EE, likely Jamaica, running AN w/MoR and vy few anmts. W/WLW looped,
they are atop the channel, w/some QRM from the Costa Rican AN. (Cooper)
705 -SOUTH KOREA Drifting HLKA 9/26 weak 1339 but better at 1347-1400 gave time pips
-3 low-1 hi (differed from 2 low 1 hi hrd 9/25 at 1300), still w/fair sig 1417;
10/3 fair at 1231 w/talk, up to S5 by 1313 but faded out earlier than 9/26.
-UNID 9/25 noted oriental 1253 w/YL talking, sounded GC or KK. Brief //(Kaskey)
mx and more talk .. 1300 had clear time pips..2 low 1 high followed by 2 chimes
and YL talking, then organ mx (several bars) and man talking. He went on for
10 mins in what could have been newscast. Up to S5 by 1302 .. still noted w/
fair sig at 1350. Not much likely listed in WRTH. Any ideas? (Kaskey) Pre-
sumably this was HLKA which you subsequently IDed. (ED)
707/708-SOUTH KOREA Seoul HLKA hrd on this freq on 10/3 and 4 between 1300 and 1400.
Hrd KBS ID along w/"HLKA" at 1400 on 10/3. Stn has varied pgms of mx, plays,
etc. S. Korean stns verify. (Wilkinson)
715 -THAILAND 1120 w/bad splatter at Kuilima. (Maguire)
725 -SURINAM Paramaribo SRS ultraloud (better than most domestics during aurora),
pgm of calypso mx, then talk in unfamiliar language, 2315, 9/25. Again belt-
ing in w/"Saturday Night" by Bay City Rollers, 0206, 9/26. (Connelly) * In
w/excellent sig nightly. (Brodsky)
730 -MEXICO XEX ID at 0105 9/25, blasted in quite quickly 'cause no sign of it 5
mins earlier at 0100. (Rychalsky)
735 -ECUADOR "R. Melodia", Guayaquil, has been in w/fair sigs 0500-0600 s/off, w/
what I presume is their NA, played by what sounds like a military band. (Cooper)
740 -VENEZUELA Maracaibo YVNC w/SS ID, then slow romantic mx, 0208, 9/26. (Connelly)
*9/26 w/ID at 0100 "R. Maracaibo mas musica", rapid fade. (Brodsky)
750 -JAPAN JOIB Sapporo 9/26 solidly atop KXL at 1413 w/EE NHK2 pgm; 10/3 fair/good
thru KCBS-740 slop 1235 but KXL eliminated them at 1300. (Kaskey) * 9/20 1000.
Only hrd 1 pip. Ancr said "...news and comment from NHK". News was in EE,
Sounded like EE lesson following news broadcast. JJ followed at 1029; not an
ID - don't know what was said! 1034, back to EE lesson. No definite ID; but
nothing else fits this description, so must be JOIB. (Lobel) * 1125 at Kuilima,
not needed. (Maguire) * At 1248 on 9/23. (Blocher)
-NICARAGUA YRX on 10/4 from 0243 w/definite ID at 0300. Lots of "La Equis" IDs
and some funny multi-tone "beeps" throughout. (Ponder)
753 -UNID Could be Asiatic of Philippine, 1130 at Kuilima. (Maguire) //(Connelly)
764 -SENEGAL Dakar the best TA during mediocre cx, man in AA strong at 2310, 9/25.
770 -JAPAN JOUB Akita excellent 9/26 at 1341; 10/3 way u/KOB 1238, barely audible
thru KXA/KOB at 1310, finally L&C at 1407. Usually last TP to fade out. This
one a real powerhouse around daylight. Noted 9/12 at 1340; 9/18 at 1309; 9/19
at 1340 and 9/25 at 1310. Always destroying KXA. NHK2 pgm. On 9/25 stayed in
until 1435 about 1 1/2 hours after dawn. (Kaskey) * Taking KOB out at 1130 at Kui-
lima. (Maguire) * At 1256 on 9/23. (Blocher)
773 -SPAIN RNE fair at times w/man and woman alternating in SS w/some sort of dis-
775 cussion. Het detectable w/TW-775. (Falconer)
-COSTA RICA "R. Uno" TTW, San Jose, is also loggable some mornings 0500-0600,
w/programming similar to that of TIQ-1175, only in SS whereas TIQ's EE - USA
type rock, s/off at 0600 w/no anthem. Reported for 10/6 reception, w/slop
from Cuba-780 and het from Spain-773. (Cooper)
780 -BRITISH VIRGIN ISLANDS Roadtown ZBVI well atop Cuba; reggae mx pgm peaking up
well, 2336, 9/25. (Connelly)

800 -NETHERLANDS ANTILLES PJB Bonaire at masher level w/SS talk and religious mx,
no trace of any other stns on freq, 0140, 9/26. (Connelly) * 9/20 0807. All
alone on freq in PP. Some QRM (slop) from KABC-790 but vy little. Male anc
S9 plus sig. (Lobel) * 0430-0500 at Kuilima. (Maguire)
810 -COLOMBIA HJCY Bogota 9/20 0900 w/"R. Sutatenza" ID and Colombian mx. Was mak-
ing a big p-e-s-t of itself! (Lobel)
820 -AUSTRALIA ZGL Glen Innes at 1105-1115 w/news. (Maguire)
-SOUTH KOREA HLCN at 1300 on 9/23. (Blocher)
-UNIDS 2 TPs noted 1354 9/26, dominant had oriental mx while other had KK type
talk, both in fairly well but KGO threw OC on at 1355 destroying both. Neither
hrd 10/3 but KGO on at 1300 also. (Kaskey)
827 -LIBYA Assumed 9/24 from 0420-0424 w/weak chanting. Finally got some audio
from what has been an excellent carrier so far this season. (Hutton)
830 -HAWAII KIKI Honolulu w/pop mx and local ads from 1240 to 1250 on 10/3. JOBB
buried him at that time. (Wilkinson)
-JAPAN JOBB Osaka S5 sig 1356 9/26; mixing w/KIKI 10/3 from 1243 up to S7 at
1308 and 1330 but deep fades would bring KIKI atop often. //770 w/NHK2 pgm;
noted same dates as JOUB but not as good sig, usually mixing w/KIKI. Sometimes
rising to good strength but generally a poor cousin to JOUB. (Kaskey) * At 1245
on 9/23. (Blocher) //(Lobel)
834 -MEXICO XEVQ Culiccan, Sin. 9/20 0543 w/R. Musical ID buried in QRM and WCGO null.
835 -BELIZE R. Belize w/daily messages 9/27 at 0030. Good. (Brodsky)
-CHINA Nanchang vy strong all morning on 10/3. Best hrd so far this season,
Noted that powerful GC on 1040 was not in // at that time. (Wilkinson) * 9/26
weak/fair sig 1357; 10/3 audible/fair at 1244 w/woman talking. S3 at 1245 and
improving. Better at 1307 and still fair sig at 1345. (Kaskey) * Fighting
KIKI-830 at 1135. (Maguire)
840 -JAPAN JOJK Niigata atop 10/3 at 1306 //JOHK-890 w/NHK1. Poor/fair sig. (Kaskey)
-SOUTH KOREA HLKY at 1303 on 9/23. (Blocher)
-UNIDS Noted 9/25 1300-1400, several stations (see 890 listing). (Kaskey)
844 -GILBERT ISLANDS Bariki 9/6 w/native mx and talk at 0757, weak but there. (Kaskey)
845 -ITALY Rome strong w/Italian talk, into MoR mx, 0345, 9/16. (Falconer)
850 -CHINA Dominant at Kuilima at 1145. (Maguire)
-GUATEMALA TGX Guatemala City 9/20 0905. Had to be this one w/mention of Guate-
malta and Central American mx. Sounded like a conversation between two men
following the mx, Too much QRM to be really certain of this one. (Lobel)
-HAWAII KHLO Hilo all evening at Kuilima, seldom hrd in Honolulu. (Maguire)
-UNID Oriental noted 9/26 at 1355, still in at 1408 w/lotsa talk and domestic
QRM. (Kaskey)
854 -PERU OAX4A lima was in at fine volume at 0948 on 10/4 w/fast rythm stringed
mx selections and several "Radio Nacional del Peru" IDs. Was the morning of
10/4 good all over? (Wilkinson)
860 -CHINA Dominant at 1145 at Kuilima. (Maguire)
863 -FRANCE ORTF Paris weak w/YL in FF into mx. Noted in passing 0434 9/16. (Falconer)
867/868-UNID Oriental stn here. First time hrd at 1355 on 10/3. Woman singing ori-
ental songs. No ID - possibly Nanchang, China? (Listed in WRTH on 865 khz).
Couldn't raise on AN of 10/4. (Wilkinson)
870 -JAPAN JOGB Kumamoto, poor/fair 10/3 at 1249, lost when KIEV s/on 1300. 9/18
far beneath KIEV at 1324 w/NHK2; 9/25 cutting KIEV apart at 1356. (Kaskey) *
At 1310 on 9/23. (Blocher)
875V -NORTH KOREA Fair/poor 10/3 at 1250 w/XX talk but improved immensely between
1300-1405, beating upon 880 sigs. 9/25 fair sig 1343. YL Talking. Good sig
at 1358, seemed to be about 877 or 878. (Kaskey) * Wonsan 9/20 1103 male/fe-
male anc in KK. 1110 march mx followed by 3 chimes, female anc 1115 then at
1120 male/female anc (same as at 1103). WWL slop too much by 1127. (Lobel)*
At 1308 on 9/23. (Blocher) * 1028-1114 same stn reported by Wilkinson and Wise-
blood. (Maguire)
880 -AUSTRALIA 4BH Brisbane 1035-1057. (Maguire)
-JAPAN JOFK Shizuoka w/play following NHK Mx interlude ID at 1340 10/3. (Wil-
kinson) * At 1332 on 9/23. (Blocher) //(Kaskey)
-JAPAN/UNID JOFK Shizuoka and unid 10/3 noted 2 TPs at 1302. Dominant stn not
//JOHK-890, w/talk. Both w/good sig at 1400 when tuned in and hrd dominant stn
give 5 low 1 hi pips, immediately followed by 2 mid-scale 1 lower pip (possibly
partial time sig drowned out by the louder one). Secondary stn then noted
running // pgm to JOHK-890 so suppose it was JOFK. Dominant stn just talk.

880 -SOUTH KOREA HIKI at 1337 on 9/23. (Blocher)
-UNIDS Several orientals noted here 9/19 and 9/25 between 1300-1400. Fade in and out and mixing continuously so hard to ID. Time pips hrd 9/19 at 1400 but couldn't ID off this. (Kaskey)
885 -MONTERRAT Plymouth ZJB fair w/song "I'm Your Vehicle", then 16 before 8 TC by man in slightly Caribbean accented EE, then a song in SS, 2344, 9/25. (Con)
890 -JAPAN JOHK Sendai, 10/3 NHK ID L&C 1257 after mucho talk. Time pips at 1300 but tuned into the middle of them. Had generally good sig until after 1415. Another stn far below but JOHK atop the entire time. (Kaskey) * At 1331 on 9/23. (Blocher)
-UNIDS Several noted here 9/19 and 9/25. On 9/25 dominant stn was // to 840 stn. Had informal talk between men and US rock selections 1320-1330 and sporadically 1330-1400. Time pips at 1400 were 4 low and 1 high. Either HLKY and HLKB or JOQK and JOHK I suppose. (Kaskey)
900 -MEXICO XEW on 10/4 w/"La Hora Nacional" pgn at 0350 w/30/S9 sig and plenty of "La Voz de America Latina" IDs. (Ponder) * 9/20 0307 w/good ID and news. Some KDBO-910 slop but good XEW sig at S9 plus. 0310 organ mx and what sounded like a religious pgn in SS w/female ancr. (Lobel)
919 -COLOMBIA (Tentative) Screeching het against WJAR likely the Colombian noted here on previous occasions, peaking up at 2356 on 9/25. (Connelly)
950 -VENEZUELA Caracas YVKG the new potent R. Vision outlet here, annihilating WPEN/CHER/WAGM; SS talk by man and woman, R. Vision IDs and fanfare, list of phone numbers, 2355, 9/25. (Connelly)
953 -UNID TA Someone here w/strong carrier detectable w/BFO 0350 9/16. Don't really know what's usually hrd here. (Falconer)
960 -COLOMBIA Magangué HJHN potent (way o/low het from assumed CHNS) w/fast SS talk and audience sounds, possibly a sporting event; one Sutatenza mention at 0146 on 9/26. (Connelly)
990 -HAWAII KSAY Honolulu? Evidently outlaw in Honolulu area, using tone until brief anmt at s/off 0900-0920 (various days). From Alan Roycroft tip. (Maguire)
1000 -MEXICO XEFV Chih. Ciudad Juarez 9/20 1200 w/"R. Rancherita" IDs in null of KOMO OC. (Lobel)
-VENEZUELA Moron YVNM noted o/others at 2350 w/jingle "R. Mil - - Venezuela", then man in SS mentioning R. Mil and Moron, signal fading into bad jumble by 2354, 9/25. (Connelly)
1007 -HOLLAND? 2 note IS w/weak 0443 10/5, stopped 0445 and then talk. Sked fits Holland but this is not their IS. (Hutton)
1016 -WEST GERMANY SWF Mainz strong w/pop mx and some GG talk, 0355, 9/16. (Falconer)
1020 -VENEZUELA Asuncion YVRS totally dominant w/Winston cigarettes ad in SS, R. Margarita SID, then stream of fast SS talk, 2348, 9/25. (Connelly)
1025 -SPAIN/UNID Two sigs here MM 10/4 circa 0530, one w/some vocals in FF; the other seemingly in SS. One is undoubtedly San Sebastian, but the other? (Cooper)
1030 -UNID Oriental noted w/opera mx and singing 1353 10/3 w/poor-fair sig. Tried to find a // on CC and KK freqs but 1030 had faded out by 1410. (Kaskey)
1035 -HAITI 4VEC Cap Haitien w/non-vocal religious organ selections starting at 0953 on 10/4 at good volume. Not this strong here in years. (Wilkinson) * Good w/man and woman in EE w/a discussion about schools, 0007, 9/26. (Connelly)
1040 -CHINA Shanghai good 10/3 at 1338, v/ loud at 1353 and holding strong at 1413. 9/11 w/WHO at 1145; 9/12 weak at 1348; 9/18 strong 1328; 9/25 fair thru KOFY slop 1409. (Kaskey) * 9/20 1055. Faint voice u/WHO. Barely audible. Language was not recognized but definitely an oriental language. (Lobel)/(Connelly)
1052 -VENEZUELA Valencia YVLB fair/good, slightly dominating o/several other LAs (bad growl present); La Voz de Carabobo jingle and SS talk noted, 0158, 9/26.
-ENGLAND BBC overpowering 1050 at 0520 10/4; strangely enough no audio from the other BBC stations. (Hutton)
1061 -UNID Tremendous het 10/5 at 0035, weak mx of Mor variety. Everything likely should be off. (Hutton)
1090 -COLOMBIA La Voz de Cucuta, HJBC, easily atop all AM MM 10/4 w/SS MoR fare, IDing as "Caracol" and reported. (Cooper)
-MEXICO XEPRS Tijuana BC 9/20 0345 w/middle east mx. Pgm was "The Armenian Hour". Male/female ancr in AA (why would Arabic be used on The Armenian Hour? ED). Female ancr gave spot in EE for Persian Caravan. Phone #s in Los Angeles and San Francisco were given. (Lobel)
1100 -ANTIGUA (Tentative) ZDK probable here w/steel band mx atop growl of low hets, 0005, 9/26. (Connelly)

1115 -PHILIPPINES VOA 1139-1243 9/11. Announced VOA, Wash, DC. VOA verie stated VOA Philippines on 1140 khz. Either off freq or testing another freq. (Maguire)
1120 -VENEZUELA Maracaibo, YVMF fair o/rough het w/good "Ondas del Lago" ID, then festive SS mx, w/male vocal and brassy instrumentation, 0155, 9/26. (Connelly)
1178 -JAPAN VOA Naha 10/3 good sig 1341 thru KLOK/slop. Was programming in JJ. Gone after 1400 tho, pattern change? Strong sig 9/18 at 1333 w/CC language. (Kaskey) * At 1344 on 9/23. (Blocher) // (Foxworth)
1180 -CUBA Reloj Nacional atop 0603, 9/26. New station? No sign of Rdo tonite.
1200 -VENEZUELA Caracas YVOZ rising up to good peak o/low rumble w/fast SS talk and Radio Tiempo ID, then LA style disco-mx, 0217, 9/26. (Connelly)
-UNID Weak but audible oriental noted 10/3 at 1343. Man talking, etc. Sig had faded out when returned at 1355. (Kaskey)
1210 -JAPAN/CHINA JOOR Osaka and Chinese stn alternating at 1352 on 10/3. (Wilkinson) * Tune in 1344 10/3 found CC atop w/talk and JOOR u/w up tempo mx in JJ and EE lyrics. Continued to alternate w/each other until fade out around 1415. JOOR fair sig 1413 9/25. Talk and some rock mx. (Kaskey) * At 1320 on 9/23. (Blocher)
-UNID Spanish or Portuguese, 1040-1100. Sportscaat at 1045. 2 time pips at 1100. (Maguire)
1214 -ALBANIA Thought I might have had one of the Russians 9/29 at 0317 w/talk in unid lang but it was just Tirana on earlier than the WRTH shows. IS of short trumpet fanfare from 0329 to 0330. (Hutton)
1223 -UNID Been hearing a pgn of lite mx (inst) way past listed Spain s/off. 10/5 I'm almost positive he went off at 0130, eliminating Bulgaria. Who could this be? (Hutton) I would suspect either Spain on late or Bulgaria s/off for some reason. Nothing else really likely unless a drifting LA. (ED)
1240 -BAHAMAS ZNS2 atop here on MM 9/20 at 0634 - 0645 w/MoR and plugs for Bahamas as a year round vacation paradise. Watch for this one any auroral morning, and be surprised when you log them thru all the USA and Canada ANs. (Cooper)
1330 -MEXICO XERP R. Mexicana 10/4 from 0700 to 0750 usually u/WJRP, sometimes on top. Loud "R. Mexicana" IDs before and after every record; more mins of IDs than mx. If WRTH can be believed this is only 100 watts and a nice catch. Don't remember ever seeing thos reported but it had quite a decent sig at times. (Hutton) Mexi-Glenn list also says 100 watts. Did you actually hear call and/or location? Maybe one of the other XEs here is now using R. Mexicana name. (ED)
1403 -GUINEA Conakry hrd around 0545 MM 9/20, fairly good sigs and definite // 4910 SW. (Foxworth) * Presumed. Have had a weak carrier from 9/30 thru 10/4 between 0100 and 0400. A few mins of readable audio per hour; always male and female talk - no mx hrd yet. Almost definite FF at times, other times unid. The WRTH says this is the only possibility listed on all of the early AM and everybody else off. Best so far 10/5 0200-0330. 0200 end some sort of sing-song chant, the rest of the reception was male/female talk definitely not in FF; sounded African to my impartial ears, hi. (Hutton) Check 4910 if possible, should be able to tell this way. (ED) // (Falconer)
1457 -ALBANIA Durres v/strong (70 db) w/chimes into mx in unid lang, 0400, 9/16.
1460 -UNID 9/28 at 0113, seemed to be GG speaking. QRM from WNAB-1450. It is possible this is 1465. High pitch toned audible. At 0115 a few bells (or chimes) then a time tone, then if disappeared. Carrier noted again 10/1. (I'll watch for this one. Anyone else?) (Rychalsky) My first guess would be Monte Carlo-1466 but they are not sked at this time. (ED)
1502 -SPAIN Taped Spain stns hrd seemingly w/s/on format 0600-0603 several mornings lately. On 9/28 hrd one w/what sounded like R. Popular de Sevilla. Before 0600 all I ever hear here is OGS, sometimes a v/ good level, and I am not sure that Sevilla is on as early as 0530-ish, though it is possible I just haven't been able to hear it here. (Foxworth) None of the Spaniards are sked to s/on here before 0600. Usually Poland is hrd earlier. (ED)
1520 -COLOMBIA R. Minuto, Barranquilla, has been S9 the last 2 MMs, 9/27 and 10/4, w/WKBW silent. (Cooper) * 9/20 at 0819 many IDs, LA mx. (Brodsky)
-SPAIN (Tentative) Reception here MM 9/27 and Tue M 9/28 w/WKBW off (they have been off a great deal lately). Sigs hrd mixing w/R. Minuto, HJLQ and domestic that seemed to be KOMA, thought to be Spaniards around 0600 both mornings, but not enough level to ID. Typical mix of low hets present. (Foxworth)
1529 -VATICAN STATE Has been superb this fall just at sunset, i.e. 10/4 from 2330 to 2400 w/non-stop inst and quiet vocals, one of the best TAs. (Hutton)

1530 -UNID A vy weak SS is AN here MMs, noticeable only on auroral days, but who is it? Hrd 9/27, 0627. (Cooper)
 1545 -UNID SS noted Wed AM 10/6 at 0433, but soon lost in WPTR slop - about an S7 signal. (Cooper) Used to be a HJ here - I can't remember which one. (ED)
 1546 -UNID Noted strong but unstable carrier here as early as 0440 on 10/10. SAH also present. Suspect a couple of the British IBA stns, but unable to raise any audio. (ED)
 1554 -FRANCE ORTF Nice strong as usual, 0100 9/16 w/OM in FF. Usually when this one is in so is WDR-1586, but no sign of him yet this season. Are they still on 1586? (Yes, ED) (Falconer)
 1555 -SPUR (Phoney Cayman Islands) Noted a weak carrier 9/22 around 0200 right on 1555. MoR mx, talk finally IDed as EE. At 0500 (I think) into CBS Mystery Theatre; I had received a WCKY spur on 1545 before so I checked and sure enough was WCKY. I wasted 3 hours on ~~WCKY~~ WCKY. (Hutton)
 1580 -COLOMBIA R. Principe, Barranquilla, has been vy loud daily on its AN sked- this HAS to be more than listed 1 kw! (Cooper)
 1586 -WEST GERMANY Langenberg thrashing WQQW w/bodacious het, 0230, 9/25. (Connelly) * 0201 w/man talking in GG, fair/good. Again on 9/16 at 0019 w/pop mx and man in GG. (Brodsky)
 1600 -JAPAN JOKB Okayama 1012-1015 nx in EE. 1015-1054 EE/JJ lessons in // w/JJ on 1590. JOKB clearer, but weaker sigs. Aussie QRM on both freqs. (Maguire)

A few veries

800 -NETHERLANDS ANTILLES PJB Bonaire, QSL and literature. (Maguire)
 -NEW ZEALAND 2YB Wellington, QSL and shortwave sked. (Maguire)
 1010 -PHILIPPINES DXXX Zamboanga City for reception from Hong Kong and Ball last November, V/s is Phil A. Cabreros, Eng. Manager., Kanlaon Broadcasting System, Inc. They don't indicate power. (Taylor)
 1040 -NEW ZEALAND 4ZB Dunedin, 10 kw, R. New Zealand QSL. (Maguire)
 1100 -BRAZIL "Radio Nacional" PRG9, lists Radio Excelsior, ZYR59 on 670 and 9585 khz, and R. Nacional PRG9 1100, 6125 and 15265 khz, but specifies PRG9-1100. Blue print on white card, unsigned, received in an envelope. Address: Rua das Palmeiras 315, Sao Paulo, Capital, Brazil. Received in 16 weeks for mint Brazilian stamps. This country's not too famous for its verification policy so try this one! (Maguire)
 1115 -PHILIPPINES VOA QSL card confirming my reception of VOA Philippines 1140.

The reporters for this issue

Harry BLOCHER - Boundary Bay, British Columbia SW-4A, 1' AA loop
 Linda RRODSKY - Rosedale, New York R388, SM-2, 66' longwire w/tuner
 Mark CONNELLY - West Yarmouth, Massachusetts Westinghouse RBM3, 75 meter dipole
 Ernie COOPER - Provincetown, Massachusetts HQ-180, SM-2
 Jeff FALCONER - Clinton, Ontario 51J-4, SM-2
 Bob FOXWORTH - Mineola, New York HQ-150, SM-2, 2 longwires
 Chuck HUTTON - Decatur, Georgia R388/URR, Sanserino loop
 Don KASKEY - San Francisco, California
 Albert LOBEL - San Diego, California DX150A, Sanserino loop, 2 longwires
 Norm MAGUIRE - Honolulu and Kuliima, Hawaii SPR4, Sanserino loop
 Stephen PONDER - Ft. Worth, Texas GC-1A, Wedge loop
 Konstantine RYCHALSKY - Bridgeport, Connecticut
 Pete TAYLOR - San Francisco, California
 Hank WILKINSON - Santa Rosa, California HQ-180, SP600, Sanserino loop

That's it for another one. Some feature type material on hand - will catch all of it up next week. I've actually done some DXing the past few days and will be on leave next week so hope to spend a lot of time at the dials. Nothing really exciting hrd as yet, even though cx have been good for TAs. Had my receiver modified and overhauled by Steve Bohac, including installation of a mechanical filter and mixer trimmer and it makes all the difference in the world - its like a brand new receiver. Now I've got to get busy and see just what it will do. Also have just purchased a SB-620, but its wired for the Drake IF, I've got to rewire it for 455. Coils on order from Heath - hope they still have parts for this model since its been discontinued. According to my calculations we should be weekly after this issue so we can use all the support we can get. If you are DXing, let us know what you are hearing. Cx have been excellent for the most part the past month or so and lots of good DX has been hrd. Lets see YOUR name here often. 73 - DX . . .



editor.. Wes Boyd
 2699 W. Liberty St. Ext.
 Girard, Ohio 44420

930 CKNF ON new station in Algona or such, noted 1945 on 10/7 o/ WBEN etc & // CKNR & CJRN (Silly)
 1280 CJJD ON ex: CHAM..is RR w/ many IDs (JF) noted 9/23 @ 2200
 1300 WERE OH now runs the Jebko nitecap junk (Starr)
 1440 WNCR is now CBS net & using the new calls as of 9/25 (RA)
 1450 WFMT IL (old WNON) now ANing w/ classics, // FM stuff (Starr) This came on 10/5 at noon CDT w/ // FM stuff..ID WFMT Chicago & WFMT Cicero(KDF) WATZ MI this is now ANing w/ MOR mx (Starr)
 1000 WSUM OH this noted back in RS w/ religion about 9/25 (HWB)
 1320 WOBL OH noted @ 2PM w/ C&W stuff o/u WKTQ (Starr) still seems to be operating as a daytimer...new 1kW DA-2 under construction. At present is running 235 wt non-DA (HWB)
 TEST RESULTS: :
 1150 WSKW ME not hrd: HWB--Silly--RA--BW Heard: (TRS--CH#2) came on late, about 0050 or so..couple CW IDs bagged in GA by CH... r c's (JS)
 4th/last MM: WOND 1400 w/ TT & ID @ 2 1/2 min...0001-0028..list sez 0015-0035 1st. SAT: KSIM 1400 Good w/ TT 0252-0300 off (JS)
 1st. MM: KIUN hrd....but KEEE 1230 & KNIT 1280 not hrd...(RBS) sunset & evening
 900 WLSI KY 9/24 good sig. 1939 w/ C&W..s/off 1944 by female (HJH) (HJH)
 WATV AL 9/24 tent. w/ s/off 2000, couldn't be sure call WATC or WATV /
 1050 WGAT VA 9/19 Nx 1937, to bluegrass/relig. mx to 1945 s/off (BW)
 WSEN NY 9/29 w/ s/off 1915, plug FM 102, lotsa QRM (HJH)
 WADC WV 9/24 Hrd. w/ RR & many ADs to 1930 s/off, good despite WHN(HJH)
 1070 WKDR NY 9/28 Atop 1915 while looking for WINA, w/ C&W..s/off 1917, no SSB, good signal (HJH)
 WSCP NY 9/23 Hrd. well 1913 w/ C&W mx, s/off 1915 (HJH)
 1320 WFHR WI 9/26 W/ FACE the Nation 1947, JX ID & CBS nx 2000, local nx at 2009, good till 2015 pwr. cut (Starr)
 WGET PA 9/26 AM-FM ID after Mutual nx 2005, back to net, weak but clear during CBS pauses on WFHR (Starr)
 CFTJ ON 9/26 Continuous piano mx, light instrs. w/out annrs, 2005--2030, then 15 min. church pgm., back to piano mx to 2100 ID (Starr)
 1470 WPDW NY 9/23 Surfaced 1900 w/ full ID to Ai nx & 1905 Ai sx then to s/off at 1910 (HJH)
 1510 WLKR OH 9/23 TENT., ADs ment. NE Ohio & a mention of Norwalk. Looking for WLGN, seemingly impossible, but WLKR in at 1935 (HJH)
 1530 WTTI GA 9/23 RR mx 1938.. "Great American Radio" slogan, s/off 1945 by YL ment."advertisers, without whom....blah-blah-blah,etc." (BW)
 1540 KRKV 9/23 First hrd. w/ nx 2000 after CDT TC then Ft. Worth wants... Was better 9/27 w/ call, TCs, All Nx 15, etc...lotsa ADs,wx,wx 2008-2010 w/ WPTR/KXEL weak or gone. (BW)
 1550 KQWB ND 9/27 Fair in CBE null 2016 w/ RR & ADs, now pest status (JF)
 1560 WWGM TN 9/22 Loud 1947 o/ WQXR w/ relig. mx & "Spirit of Love" slogan
 1580 WRDI NJ 9/12 O/ WPGC w/ EZ mx, AM-FM IDs, 1922 s/off w/ NA(RA) (BW)
 WPGC MD 9/12 S/off..no SSB 1915, U/ WRDI 1850-1915 w/ RR (RA)
 1600 WARU IN 9/27 Weak in hash w/ s/off 1959, ment. FM 98.3 & owners(JF)
 KATZ MO 9/27 Fair in CHNR null 2005-2010 w/ RR & couple JX IDs (JF)
 WNST WV 9/27 Fair w/ C&W mx 1940, brief sx, more C&W to 1943s/off(JF) midnight to sunrise
 580 CKY ME 10/4 Fair 0225-0305 w/ RR & "KY 58", promos etc. o/u WHP-& slop from WMCA (PRM)
 610 WTVN OH 9/27 This weak 0100 w/ rare WIP SP, hrd. nx-wx then RR (HJH)
 WRUS KY 10/4 S/on 0701 after SSB, then C&W w/ 2 annrs. (SF)
 960 CFAC AB 10/4 Fair, u/ CKWS w/ C&W and talk 0313-0329 full ID (PRM)
 980 WILK PA 9/26 Strong 0031, later in battle w/ WHE (KR)
 CKGM PQ 9/27 Clear 0110, no WILK-WRC (KR)
 1030 KTWO WY 9/20 Tent. 0143-0201, weak/poor sigs. w/ much QRM-QRN & WBZ on Eting. Noted MOR, male annr.,etc.--gone after 0201, poss. s/off (RA)
 1050 CJIC ON 10/4 Good o/u CHUM w/ EZ MX, ID 0400 to nx, WHN off (PRM)

1240 KANE LA 10/3 S/on 0600 w/ SSB (RBS)
 KTAM TX 10/3 ET w/ Elton John cuts 0610-0650 (RBS)
 KCLV NM 10/3 This surfaced momentarily 0600 (RBS)
 WTAX IL 10/3 Excellent sigs. 0600-0607 w/ CBS nx (RBS)
 *1370 WISK GA 10/3 S/on noted 0700, a SUNDAY MORNING. (RBS)
 WFDR GA 10/4 S/on noted 0600 (RBS)
 1390 WVON IL 9/27 RR mx, contest promo 0216-0219 (CH)
 WFMJ OH 9/27 ET w/ 1K TT 0205-0215 ID, gone 0216 (CH)
 WCSC SC 9/27 RR mx, "Rock of Charleston", 0220-0305 (CH)
 WLAN PA 9/28 "WLAN Music Machine", ID 0030, JX ID 0034 (CH)
 *1400 WINC VA 9/27 Noted s/off at 0029, no SSB (Starr)
 1420 WKCW VA 10/6 ET-OC-TT, & Fiddle mx 0220-0320+, loud & way o/ WHK(Starr)
 1430 WMNC NC 10/2 On ET w/ TT & OC 0152-0210+, way o/ all (Starr)
 1450 WILM DE 9/26 0300 ID ments. NIS, then state/local nx (SF)
 WFPG NJ 9/28 AM-FM ID 0300 into CBS nx (SF)
 UNID ?? 9/28 Someone here 0307 w/ Jebko AN stuff, nothing in any lists
 outside of CA...HELP!! (SF)
 *1490 WMPX MI 10/4 Seems ET, full ID pops up 0338 then OC, mx 0332 (Starr)
 1530 KFBK CA 10/4 Maybe this, fair, w/ NIS 0412 & gone 0430, no IDs, o/
 WCKY ET (PRM) You gonna hate yourself...see next items!--HWB
 KRNK WY 10/4 ET 0257-0314 w/ short TT bursts, ID @ 40 sec...LOUD..was
 using NIS feeds 0420-0430 (SF) 10/4 ET-TT-S9+, lotsa IDs..0305-0320+, at
 0400 went to NIS audio w/ OC during local breaks (Starr)
 1550 WRV KY 10/2 ET-MX, ID 0250, off 0308 ments. 0745 s/on so evidently no
 PSA power...is this a f/c ?? (Starr)
 *****KOKA LA 10/2 Noted this w/ s/off 0251, very odd time. (Starr)
 KRGO UT 10/4 O/u KKHI & atop after KKHI s/off 0259. --Deep voiced ID
 as "KRGO Granger, Rocky Mountain Country" to C&W mx.."CARGO" slogan(Starr)

Well gang, so enidh still another insipid DDXD... Very strange wx cx of
 late & rather HNLs but DX is still there. KRGO is gonna really be an easy
 UT as the season gets moving, should make the EX without much trouble. Now
 to catch 1090 clear enuf to try KBOZ...

REPORTERS::

CH #2	CHUCK HUTTON	Decatur, GA	R388	Loop	phone bill
RA	Ray Arruda	New Bedford,MA	SX122	TRF	SM
SF	Stephen Francis	Alcoa,TN	TRF		
JF	Jeff Falconer	Clinton, ON	Collins 51J-4	SM	LW
KDF	Karl 4th.	Villa Park, Ill.	HQ180	SM	
HJH	Harry Hayes	Gouldsboro,Pa	Zenith T-0	SM	
CH	Craig Healy	Providence,RI	Navy RBB	Loop	
dm	although he has moved, he still doesn't exist!!!				
PRM	Paul Mount	Teaneck, NJ	TRF		
KR	K. Rychalsky	Bridgeport, CT			
RBS	Ron Schiller	Dallas, TX	R390A	SM	
TRS	Tom Sundstrom	Willingboro, NJ	HQ150	SPR4	LW etc.
BW	Bruce Winkelman	Greensboro, NC	HQ180	looped	
Silly	John Silliman	Hubbard, OH	Zenith T-0	poor ears	
Starr	Jerry Starrrrrrr	Ohio Home for Insane	HQ180	Loop	
EIF	Everyone I Forgot	lotsa places	lotsa stuff		
HWB	"lil old me"	Girard, OH	HQ180	semi-looped	

nd just to keep HQ on it's toes..."
 but thats only true on Tuesdays & thursdays!

Later.
 Wes Boyd

"THIS SPACE FOR RENT"

THE SCOTT ROSS SHOW AM STATION LIST

ALABAMA	Tuscaloosa	WTBC	1230	Sun	9 AM	MARYLAND	Annapolis	WYRE	810	Sun	7 AM
							Cumberland	WTBO	1450	Sun	11 AM
ALASKA	Anchorage	KENI	550	Sun	7 AM	MASSACHUSETTS	Gardner	WGAW	1340	Sun	6 PM
	Fairbanks	KFAR	660	Sun	6 PM						
	Nome	KICY	850	Sat	8 PM	MICHIGAN	Grand Rapids	WGRD	1410	Sun	6 AM
ARIZONA	Tucson	KIKX	580	Sun	9 AM		Marquette	WUUN	100	Sun	7 AM
ARKANSAS	El Dorado	KELD	1400	Sun	8 PM	MINNESOTA	Duluth	WEBC	560	Sun	11 PM
	Siloam Springs	KJBU	600	Sat	4:30PM		Saint Paul	KMAC	550	Sun	3 PM
		KJBU	600	M-Fr	8:30AM		Virginia	WHLB	1400	Sun	10 PM
CANAL ZONE	Balboa	HOXO	760	Sat	10 PM	MISSISSIPPI	Biloxi	WVMI	570	Sun	7 AM
CONNECTICUT	Bridgeport	WICC	600	M-Fr	10:30PM	MISSOURI	Columbia	KTGR	1580	Sun	10:30PM
	New Britain	WKOB	1200	Sun	9 PM		Springfield	KICK	1340	Sun	10 PM
	New London	WNLC	1510	Sun	9 PM	NEBRASKA	Omaha	WOW	590	Sun	8:30AM
FLORIDA	Cocoa	WKKO	860	Sun	10 AM		O'Neill	KBRX	1350	Sun	2 PM
	Eustis	WLCO	1240	Sun	9 PM	NEW JERSEY	Newark	WRNU	640	Thur	9 AM
	Melbourne	WTAI	1560	Sun	9 PM						
	Orange Park	WAPE	690	Sun	10:30AM	NEW YORK	Hyde Park	WHVW	950	Sun	8 AM
	Pensacola	WBSR	1450	Sun	9 AM		Middletown	WALL	1340	Sun	7 PM
	St Petersburg	WLCY	1380	Sun	11:30PM		Potsdam	WRPS		Sun	9 PM
	W Palm Beach	WJNO	1230	Sun	9 PM		Rochester	WAXC	1460	Sun	10 PM
GEORGIA	Marietta	WFOM	1230	Sun	10 AM	NORTH CAROLINA	Asheboro	WZOO	710	Sun	9:30AM
	Statesboro	WNNS	1240	Sun	10 PM		Charlotte	WAYS	610	Sun	10 PM
INDIANA	Anderson	WRVN	600	Sat	9 PM		Clayton	WHPY	1590	Sun	10 AM
	Evansville	WGBF	1280	Sun	9:30AM		Henderson	WHNC	890	Sun	12 PM
IOWA	Sioux City	KWSL	1470	Sun	9 AM		Hendersonville	WHKP	1450	Sun	9 PM
KANSAS	Emporia	KRHA	660	Sun	8 PM		Raleigh	WRNC	1740	Sun	9 PM
	Manhattan	KMCC	990	Mon	9 PM		Red Springs	WYRU	1510	Sun	12:30PM
KENTUCKY	Lexington	WLAP	630	Sun	6 AM		Reidsville	WPRC	1600	Sun	9 PM
	Paducah	WKYX	570	Sun	9:15AM		Winston-Salem	WAIR	1340	Sun	10 PM
				Sun	10:30AM	OHIO	Chardon	WBKC	1560	Thur	6:30PM
				Sun	11 PM		Cleveland	WIXY	1260	Sun	11 PM
MAINE	Portland	WLOB	1310	Sun	7 AM		East Liverpool	WOHI	1490	Sat	10 PM
	Skowhegan	WSKW	1150	Sun	10 AM		Hamilton	WMOH	1450	Sun	589:30PM
	West Bath	WJTO	720	Sun	7 PM		Urichville	WBTC	1540	Sun	8 PM
OKLAHOMA	Miami	KGLC	910	Sun	9:30AM						
				Sun	6:05PM						
	Oklahoma City	KRMC	1220	M-Sat	4 PM						
	Pryor	KOLS	1570	Sun	3:30PM						
	Tulsa	KAKC	970	Sun	10 AM						

PENNSYLVANIA			
Altoona	WVAM	1430	Sun 8:30AM
Grantham	WVMM		
Harrisburg	WKBO	1230	Sun 10 PM
			Sun 11:30PM
Lebanon	WAHT	1510	Sun 8 AM
Waynesboro	WEEQ	1130	Sun 8 AM
Wilkes-Barre	WBAX	1240	Sun 10 PM
Williamsport	WMPY	1450	Sun 11 PM
York	WSBA	910	Sun 11 PM
	WZIX	1350	Sun 7:05PM
PUERTO RICO			
San Juan	WRAI		Sun 8 AM
RHODE ISLAND			
Barrington	WBCW	540	Tu/Fr 5:30PM
Providence	WICE	1200	Sun 10 PM
SOUTH CAROLINA			
Columbia	WNOK	1230	Sun 10:30PM
SOUTH DAKOTA			
Watertown	KWAT	950	Sun 7 PM
TENNESSEE			
Chattanooga	WGOW	1150	Sun 8 AM
Collierville	WMSO	1590	Sat 3 PM
Knoxville	WROL	1490	Sun 7 AM

TEXAS			
Bryan	WTAW	1150	Sun 9 AM
Crane	KBSN	970	Fri 3 PM
El Paso	KELP	920	Sun 11 PM
VERMONT			
St Johnsbury	WTWN	1490	Sat 7:30PM
VIRGINIA			
Bristol	WKYE	1550	Sun 12 PM
Charlottesville	WELK	1400	Sun 9 PM
Christiansburg	WQBK	710	Sun 9 AM
Newport News	WGH	1310	Sun 11 PM
WASHINGTON			
Longview	KEDO	1400	Sun 4 PM
Seattle	KSSR	660	
	KJR	950	Sun 6 AM
WEST VIRGINIA			
Beckley	WVNR	620	Sun 9:30PM
Clarksburg	WHAR	1340	Sun 11 PM
Salem	WITB	560	Sun 10 AM
Welch	WXEE	1340	Sun 7 PM
WISCONSIN			
Milwaukee	WPAX	590	Tue 6 PM
Racine	WRKR	1460	Sun 8 AM
			Mon-Sat 5:30AM

BY THE FLEISCHAKER

For The LA'S

It was about 11 p.m. September 6 as I was waving good bye to Eric Rittenhouse at the airport here that I realized as our last visitor left the whole convention was finished after a year of pushing, begging, pleading, shoving and lots of work, but speaking for the LA'S--we enjoyed every minute of it!

I've heard it said that the ERC is something like an old car--you know, a bunch of nuts kept going by a few cranks. That may be, but if there were any cranks in our midst this year it was impossible to find 'em, and anyway, who had the time to look?

The convention (all modesty aside folks) was a real success, which is obvious by having the biggest registered attendance ever--74 people, which manages to just edge out the 72 who showed up in Hasbrouck Heights, NJ (wherever the same hill that is, anyway) in 1970.

The convention did have its moments--step back with me if you will to recall these famous scenes from our not-so-illustrious past:

--The expression on an unnamed NRCers face when he found that the beer had gone flat sometime in the wee hours of Monday morning.

--The shade of red Bob Walker turned when he was addressed as "Norman Walker's little brother" during the AT & T tour.

--The surprise we all had when the bus didn't break down.

--The look on everyone's face when they discovered that Ray Arruda's wife had somehow won the DX quiz (a sleeper if ever there was one!)

--The amazement in Eric Rittenhouse's voice when he said he'd been to another state by walking across the Ohio River bridge more than half way to see Indiana. ; Too bad Eric the river all belongs to Kentucky, but you were close....

--The surprised look Ernie Cooper offered when he was honored for his 30th Year as Musings editor not only with a gift from the club, but with a sign in



lights on the motel marquee which read "thanks Ernie for 30 wonderful years!"

--The laughs we all got from the speaker when he told us his CB handle was "Irish Fairy."

--The poor CF at the WAKY transmitter who expected us two weeks before we showed up (bet he thought the bus broke down!)

--The look many out of town NRCers had on their faces when they found out what Falls City Beer and fig bars will REALLY do to you...

There were also the looks of happiness as the beverage performed up to specifications and showed up with enough western states to make those of us who missed it weep (no, Wayne, you can't log KMBZ from that!), the looks of concern as club business and the possibility of NRC getting legal standing before the FCC were discussed and the looks of mischief as I came out of the motel to find 10 or 15 WAKR (whatever that is) stickers all over my car (thanks guys!)

Seriously, if we may be so for just a moment, the convention was, as Gary Siegel wrote "a gas" for all of us to put on here in Louisville and we hope it was as much a gas for everyone who attended.

To those who didn't, you missed: welcome kits, food, beer, lots of bull sessions, fun, enjoyment, meeting new friends, seeing slides of Ed Krejny at the 1966-67-68-69-70-71-72-73-74-75 and other conventions, seeing Glen Hauser's amazing slides of TV IX, hearing some super seminars, bidding against Lon Erickson at the auction (is it possible?), not seeing anyone tossed into the motel pool (an NRC convention record?), and watching Charles Taylor measure the frequency of WCMT-940 in Shelbyville and then trying to figure out where Shelbyville was.

For those who did get here--we're glad and thanks for coming. For those who didn't, any Louisville in '82 movement you hear is wrong, so you've missed a once in a lifetime opportunity--tune in again next year, *and* as the motel marquee said September 6----SEE YOU IN LINCOLN!!

fleischaker/convention report.

THOSE WHO ATTENDED THE LOUISVILLE CONVENTION (REGISTERED) WERE:

Ralph Walker, Charles Hutton, Pat Hartlage, Ed Gehringer, Dick Truax, Ira Green, Gary Atkins, Dave Peters, Mike Maloney, Lou Buehler, Roger Giannini, John Callarman, Marty Wright, Boyle Mills, Jim Lovell, Charles Taylor, Charles Wolff, Steve Francis, Jim Hopkins, Harry Hopkins, Ted Fleischaker, Kent Willis, Bob Walker, Wayne Murphy, Lon Erickson, Rich Eddie, Mike Anderson, Eric Rittenhouse, John Clements, John Hoogerheide, Ed Krejny, Dan Myers, Rob Keeney, Skip Dabelstein, Neil Zank, John Sally, George Greene, Walt Breville, Karl Jeter, Glen Hauser, Jim Nall, Russ Edmunds, Al Merriman, Frank Dailey, Bob Stonier, Ernie Cooper, Jerry Bond, Dave Whatmough, Frank Merrill, Bob Shaw, Mike Good, Pat Flanagan, Dave Hammer, Gary Siegel, John Evans, Rick Evans, Wayne Plunkett, Mr. & Mrs. Ray Arruda, Mr. & Mrs. Jerry Starr, Mr. & Mrs. Ken Chatterton, Mr. & Mrs. Gene Glover & son, Dan Phillips, Dan Roller, J.B. Watham, Dan Lutz, John Robertson & brother, Belores & Lanny John.

DOMESTIC DX'ER OF THE YEAR: HARRY HAYES

INTERNATIONAL DX'ER OF THE YEAR: MARK CONNELLY

CPC'ER OF THE YEAR: CARL "SKIP" LABELSTEIN

**CONGRATULATIONS, FOLKS,
AND MAY YOU CONTINUE IN THE COMING YEAR.**



"What I wouldn't give for just one 'Big Mac'..." Charles Wolff tastes his first White Castle burger.



One of our auctioneers couldn't sell it, so he wore it. (Wayne Murphy, w/ Pat Hartlage bkgd.)



"Seed my words, gentlemen, I pass this way but once!" Glenn Hauser on multi-band TX'ing.



'Av, fellas, come on -- this way to the beverage." Bob Walker exhorts the troops.



This is the TX quiz ?? - Earl Jeter seems to think so.



"Well, let's see, what does WMED stand for..." Eric Hittenhouse and Michael Good do the convention quiz.

MAG LOG UPDATER

John A. Callarman
 1122 Maple
 Mount Vernon, IL 62864

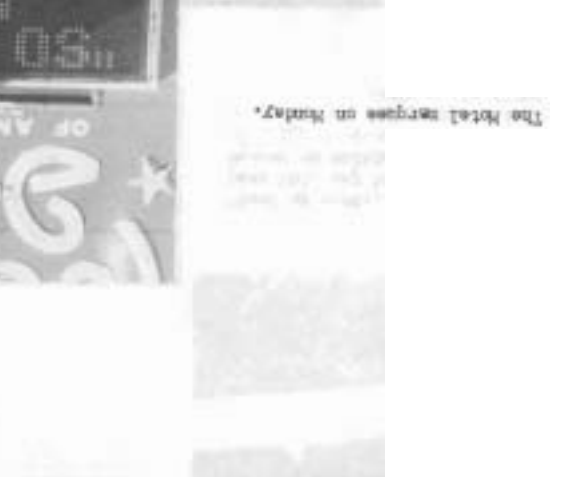
Volume 6, Number 1	680 Cont.	890
540 KNOE-LA T40 51(9)	CFTR-CN CP is on U4 25000/25000	WLS-IL
550 KENI-AK Ac	710 WQBX-VA ID as Blacksburg-Christianburg *	900
560 WIND-IL POP 00(5)	720 WGN-IL MOR/TLK/VAR 00(5)	910
* -NF St. Anthony -Delete Listing	730 Vernon BC U4 10000/10000	KBIM-NM Ai
+CHCM-NF U2	740 Bona Vista Bay NF U4 10000/10000	KISN-WA Delete
WCMS-MD 11300 Rockville Pike, Rockville MD20852	750 KGU-HI M/N	+CJDV-AB +U4 10000/5000
570 #CHYM-ON Correct Power U3	760 KXOR-CA CP is on, delete "x"	920 WBOX-LA M
600 +CFCF-PQ +U4 5000/50000	610 CFDR-NS Delete; is on 680 now	KTIC-LA VAR 55(5)
620 CKRW-YT P:24h NSP	800 KINY-AK N/A	920 WPTX-MD Ae/UPI E:0600-0003(22005a/Su)
* KSTAR-AZ Ai/M/N/APR	810 KAGH-AR C/W/VAR 55(0)	MOR +U2, not DL (Correct typo)
630 WSAV-GA E:24h	WYRE-MD MOR	+U4 25000/25000 Lac Etchemin PQ U2 1000/1000
660 KFAH-AK N/Ac	WEDC-PA McKeesport only; at first there was a report that McKeesport-Pittsburgh ID was granted, then a subsequent report it was denied	F/
670 WMMA-Q-IL CWM 00(5)x	CHQR-AB CP is on: U4 50000/50000	Ae/N
680 WRGC-NC Ex-WMSJ	820 WAIT-IL BFL 00(2)	ID only as Bellingham; de ete Ferndale and underlining
WCAW-WV Lic +, now U4 50000/250	850 WIYS-IL TLK 00()	+U4 50000/50000
CFDR Dartmouth NS BZY 327 U3		+U4 50000/50000
50000/10000 BNN Box 1007		Espanola ON U2 10000/10000
24h NSP EZL (on here, ex-790)		Lebanon PA CP is on Ex-WJWD



Here you see in subsequent issues. Photos and captions by the Photographer.



The hotel merges in today.



Gay Stegel has just bought one of the numerous Kites. John always up for auction.



970 1130 Cont. 1240 Cont. Update 2
+CKCH-PQ +U4 50000/10000 WISN-WI C:24h SP:M0200-0600 CFLS-PQ 5 Trans-Canada Est
980 1140 WEMP-WI C:24h SP:M0200-0600
KMBZ-MO C/UIPDI 250/Box 27
+CBV-PQ +U3 50000/50000 Delete PSA
KRIH-LA VAR (C&W;BI) P:0849(0954)-0300
WRNN-MI ex-WCRM C:Churchville VA24421
1000 BFL 50(2) with DI 1000/
+WCFL-IL CP is on; delete "*" +U4 50000/10000
WRNJ-NJ ex-WKZE C&W 55(5)
1030 *WOSO-PR T40 60(2)30(5) M/UIP/APR
1050 KLP-LA Vernon BC U2 10000/1000
* +CFCN-AB +U2 50000/50000
+Hawkesbury ON DI 1000/
F/ rCFML-1170
1070 W TSO-WI C:24h SP:Su0100-0700
* St. Albert AB U3 10000/10000
1110 RELe (SS)
WMBI-IL +D3 1000/
+WUNN-MI p50
WNAW-PA +U2 50000/50000
+CHQT-AB Hawkesbury ON DI 250/
* F/ rCFML-1170 (or 1060?)
#GKJD-ON +10000/1000
1130 7½POP/00C&W
KWKH-LA 9/2/76 initial decision proposing
KWBV-TX denial of D3 50000/; present op-
eration at D3 10000/ has been
contested by KWKH because of
engineering considerations;
things appear up in the air here *

1330 Cont. 1400 Cont. 1450 Cont.
KUP-L-OR Ex-KPOK Espanola ON UI 1000/250
#CKLD Theford Mines PQ G6G L22
U3 10000/10000 Cf. C. P. 69
PO:1230 E:24h NSP F/
1340 Ae/NIS
KDEN-GO Washington D. C. 20005
UI 1000/250 (Will replace WOOK)
C:24h SP:W0100-0600
MOR/STD 00(5)
C&W 60(5)30(5)
P:24h NSP
1360 WLBK-IL MOR 00(5)
WLBK-IL MOR (TLK)
WIXZ-PA C:24h SP:M0107-0545
WGEF-WI +U2 1000/1000, not 1000/500
1370 WKIK-MD MOR (TLK)
KWNC-WA Ex-KPOR U3, not U4
CFLV-PQ +U4 5000/2500
1380 +WDA-T-FL +U4 50000/10000
WBC-NC ex-WGSE
+CFDA-PQ +U4 10000/10000
1390 B/SOL 55(5)
WVON-IL ex-KLPM
KKCA-ND B/SOL
WEAM-VA B/SOL
1400 WBR-L-NH Initial decision proposing denial
of license renewal issued 9/9.
(Both Berlin stations hit by
double-billing penalties.)
Stettler AB UI 1000/250
+U1 1000/250
Neepawa MB UI 100/100
Fredericton NB U4 10000/1000
Ex-W LPM

1450 Cont. 1470 1490
KBBB-WY CP+ is on; UI 1000/250
CHBV-BC rCFBV-1230
* Gaspe PQ UI 1000/250
1460 WKKY-MS CP+ is on, now DI 500/
(Ex DI 1000/)
1470 B/SOL 60(5)
WMPP-IL CP is on
WFSR-KY CP is on
WBFC-KY VAR 60(5)
KTDL-LA CP:1290
CFRW-MB Ex-CKBG
CKPB-PQ +U2 1000/5000
1480 +KVAN-WA
+KVAN-WA 1490
* Monroe GA30655 UI 1000/250
CKBV-BC rCFBV-1230
* Oliver BC UI 1000/250
* Virden MB UI 250/250
* Wabush-Labrador City, Lab. NF
UI 1000/250
MOR (C&W;Pol) 00(5)
AI
ID as: Cocoa-Merritt Island
MOR (BI;SS;C&W) 00(5)
MOR/UP
D4
KAMX-NM
1520 BFL 00()
1530 WKDC-IL
1540 WKTC-NJ E:0530(0600)-0208(0000)
KCTO-LA C&W 15(5)
WTON-MD OLD
WMLR-TN Delete; is now on 1230

1450 Cont. 1460 1470 1490
KBBB-WY CP+ is on; UI 1000/250
CHBV-BC rCFBV-1230
* Gaspe PQ UI 1000/250
1460 WKKY-MS CP+ is on, now DI 500/
(Ex DI 1000/)
1470 B/SOL 60(5)
WMPP-IL CP is on
WFSR-KY CP is on
WBFC-KY VAR 60(5)
KTDL-LA CP:1290
CFRW-MB Ex-CKBG
CKPB-PQ +U2 1000/5000
1480 +KVAN-WA
+KVAN-WA 1490
* Monroe GA30655 UI 1000/250
CKBV-BC rCFBV-1230
* Oliver BC UI 1000/250
* Virden MB UI 250/250
* Wabush-Labrador City, Lab. NF
UI 1000/250
MOR (C&W;Pol) 00(5)
AI
ID as: Cocoa-Merritt Island
MOR (BI;SS;C&W) 00(5)
MOR/UP
D4
KAMX-NM
1520 BFL 00()
1530 WKDC-IL
1540 WKTC-NJ E:0530(0600)-0208(0000)
KCTO-LA C&W 15(5)
WTON-MD OLD
WMLR-TN Delete; is now on 1230

1450 Cont. 1460 1470 1490
KBBB-WY CP+ is on; UI 1000/250
CHBV-BC rCFBV-1230
* Gaspe PQ UI 1000/250
1460 WKKY-MS CP+ is on, now DI 500/
(Ex DI 1000/)
1470 B/SOL 60(5)
WMPP-IL CP is on
WFSR-KY CP is on
WBFC-KY VAR 60(5)
KTDL-LA CP:1290
CFRW-MB Ex-CKBG
CKPB-PQ +U2 1000/5000
1480 +KVAN-WA
+KVAN-WA 1490
* Monroe GA30655 UI 1000/250
CKBV-BC rCFBV-1230
* Oliver BC UI 1000/250
* Virden MB UI 250/250
* Wabush-Labrador City, Lab. NF
UI 1000/250
MOR (C&W;Pol) 00(5)
AI
ID as: Cocoa-Merritt Island
MOR (BI;SS;C&W) 00(5)
MOR/UP
D4
KAMX-NM
1520 BFL 00()
1530 WKDC-IL
1540 WKTC-NJ E:0530(0600)-0208(0000)
KCTO-LA C&W 15(5)
WTON-MD OLD
WMLR-TN Delete; is now on 1230

HELP WANTED:
 Proof readers and information gatherers wanted, make corrections in the 4th edition of the NRC Log, now available from NRC Publications Center. Apply to new Updater Address. Reward: the Club's collective gratitude.

CALL LETTER DELETES
 Page 183 WGSE-1380
 KLFPM-1390 Page 188
 KPOK-1330 WIXY-1260
 KPOR-1370 WJWD-940
 Page 184
 KUDI-1450 WKTP-1450
 Page 185 WKZE-1030
 WAAB-1440 WLPJ-1450
 WACY-1220 WMSJ-680
 WAFY-1560 Page 193
 Page 186 CKBG-1470
 WCRM-990
 WEEZ-1590

CALL LETTER CHANGES
 3-WNCR-1440 Page 183
 Page 190
 2-WOSO-1030 KPOK-1330
 3-WQIQ-1590 KPOR-1370
 4-WRGC-680 Page 184
 5-WRNN-990 KUDI-1450
 Page 191
 4-WVLV-940 Page 185
 4-KUPL-1330 WAAB-1440
 Page 192 WACY-1220
 2-KWNC-1370 WAFY-1560
 3-WBIC-1380 Page 186
 Page 187 WCRM-990
 1-W EGB-1560 2-CKPN-930
 2-WFMT-1450 Page 187
 3-WFOG-1450
 4-WFXY-1560
 Page 188
 4-WKPG-1230
 Page 189
 1-WMGC-1363
 2-WMJK-1220

2260 S.W. 8th St., Miami FL33130
 Granger UT84119 UZ
 10000/500 CP power increase, location change already on 24h NRP
 CP is on DI 1000/
 Call for Ellijay Middleboro ex-WAFI C&W
 M/JARN
 B/JAZ 50()
 CP is on
 CP is on
 CWM 25(5)55(10)
 +U2 10000/5000
 Brandon MB UZ 10000/10000
 C&W (SS) 55(5)
 Silent

WHY WVIP-AM SIGNALS OFF SO EARLY
 By Federal regulations, many hundreds of local AM radio stations must sign off at midnight, local time. This is due to the problem of interference which results when the sun sets and AM signals travel great distances. This time varies from as early as 4:30 pm in winter to as late as 8:30 pm in summer. But FM signals are not affected. And we sign on at 6 am, year-round on both AM and FM, with the same fine local program service carried simultaneously on both stations daily -- and all the way up to Midnight on FM, in stereo and interference-free.

CONTRIBUTORS: Brett Hanavan, Jim Hopkins, & Wayne Murphy via Ron Musco; Bill Gannaway, Karl Forth, Bill Blazek, & Clarence Freeman direct.
 Canadian CP's may be applications only, says RM; "The CRTc has been very vague of late."
 (By Musco)

1580
 WFVR-IL
 WHEX-PA
 1590
 WLTD-IL
 KKAY-LA
 WETT-MD
 WQIQ-PA
 1600
 WCGO-IL
 WMCW-IL
 KNCB-IL
 CP-1320
 This edition of the updater corrects information in the 1976-77 Fourth edition of the NRC Log. It includes information prepared as Vol. 5, No. 23 of the Third edition by editor Ron Musco, who takes on new duties with the club. Ron's efforts in our behalf in this column are appreciated. Thanks, Ron.

FACILITIES:

910 WIAS NC Has until 1-22-77 to get U2 5000 5000 on the air.
 940 WINZ FL Has until 2-1-77 to replace existing six tower DA with a new seven tower DA and move XR site.
 1000 WRNJ NJ Has until 10-18-76 to get station on the air.
 1130 WADGY MN Has until 1-1-77 to get U4 50000 50000 on the air.
 1190 WJIS WI Ditto.
 WJHL FL Has until 1-26-77 to get station on the air.
 WAMB TN Has until 11-1-76 to get power increase on the air.
 1320 WEET VA Power and antenna unknown.
 1530 WDJZ CT Studio to Route 360, approx. five miles outside city limits.
 1600 WCRJ FL Has until 12-15-76 to get station on the air.
 WQCK GA Has until 10-16-76 to get station on the air.
 Has until 12-24-76 to get U2 1000 500 on the air.

FREQUENCIES OF NIGHTTIME BRAZILIAN MW STATIONS OVER 1 kw
 Effective October 3, 1976

kHz	State - City - Station - (old freq)	Power (kw)	
550	MG - MONTE CLAROS - R. Sociedade (680)	5 kw	
580	PE - RECIFE - R. Reporter (580)	10	
	RJ - RIO DE JANEIRO - R. Relógio Federal (590)	5	
	RS - VALCARIA - R. Noeoa Gra. Pátima (620)	5	
590	RO - BOA VISTA - R. Difusora Horaima (590)	10	
	MA - SALVADOR - R. Cruzeiro (590)	5	
600	RS - PONTO ALGORE - R. Parrospilhas (600)	100	
620	CE - FORTALEZA - R. Asuncão (620)	10	
	SP - SÃO PAULO - R. Panamericana (620)	10	
630	RJ - RIO DE JANEIRO - R. Metropolitano (1060)	10	
	MT - CUIABA - R. Bom Jesus (630)	5	
640	GO - GOIANIA - R. Difusora (580)	5	
	RN - NATAL - R. Cabugi (640)	5	
	RS - PORTO ALEGRE - R. Difusora (640)	10	
670	PE - CURITIBA - R. Iguaçu (560)	5	
	SE - ARACAJU - R. Cultura (670)	5	
680	MA - SÃO LUIS - R. Difusora Maranhão (680)	5	
	RJ - SÃO GONCALO - R. Copacabana (680)	5	
	RS - PORTO ALEGRE - R. Gaucha (680)	5	
690	CE - FORTALEZA - R. Dragão de Mar (690)	10	
	MG - BELO HORIZONTE - R. Mineira (690)	3	
700	PI - TERESINA - R. Difusora (1430)	5	
	SP - SÃO PAULO - R. Eldorado (700)	50	
720	PE - RECIFE - R. Clube de Pernambuco (720)	100	
	RS - PORTO ALEGRE - R. Guaíba (720)	100	
730	PE - PETROLINA - R. Emis. A Voz de São Francisco	5	
740	BA - SALVADOR - R. Sociedade de Bahia (740)	100	
770	SE - ARACAJU - R. Atalaia (1130)	5	
780	SP - SÃO PAULO - R. Excelsior (670)	10	
	PE - RECIFE - R. Jornal de Comercio (780)	10	
800	RJ - RIO DE JANEIRO - R. M.R.C. (800)	100	
	RO - PORTO VELHO	MA - SÃO LUIS	BA - SALVADOR
	AC - RIO BRANCO	PI - TERESINA	MT - CAMPO GRANDE
	AM - MANAUS	CE - FORTALEZA	MT - CUIABÁ
	PA - BELÉM	AL - MACEIO	
820	GO - GOIANIA - R. Jornal (840)	5	
	PE - POU DE IGUAÇU - R. Cultura (820)	10	
840	BA - SALVADOR - R. Excelsior (840)	5	
	SP - SÃO PAULO - R. Bandeirantes (840)	5	
860	RJ - RIO DE JANEIRO - R. Mundial (860)	100	
870	GO - ARAGUAINA	CP	
880	MG - BELO HORIZONTE - R. Inconfidência (880)	100	
	PE - RECIFE - R. Transdará (890)	10	
890	SP - SÃO PAULO - R. Gazeta (890)	5	

900	RJ - RIO DE JANEIRO - R. Tamoio (900)	10 kw
	RN - NATAL - R. Nordeste (900)	10
930	MG - ARAGUARI - Rádio (930)	5
	SE - ARACAJU - R. Liberdade (930)	5
940	RJ - RIO DE JANEIRO - Jornal de Brazil (940)	100
950	MG - BELO HORIZONTE - R. Atalaia (960)	5
960	AL - MACEIO - R. Dif. Alagoana (960)	10
	SP - SÃO PAULO - R. Difusora (960)	5
970	BA - FEIRA DE SANTANA - Rádio	5
980	DF - BRASILIA - R. Nacional (1210)	600
	PR - FOZ DE IGUAÇU - (new)	25
	RJ - RIO DE JANEIRO - R. Nacional	100
1000	SP - SÃO PAULO - R. Record (1000)	100
1010	BA - SALVADOR - R. Bahia (1010)	5
1030	PE - OLINDA - Rádio (1030)	5
	RJ - RIO DE JANEIRO (1030) R. Continental	5
	SC - LAGOS - R. Princesa (1200)	
1040	SP - SÃO PAULO - R. Tupi (1040)	100
1080	DF - BRASILIA - R. Independente (1080)	5
	PA - BELEM - R. Guarajá (1080)	5
1090	RJ - RIO DE JANEIRO - R. Rio de Janeiro (1320)	5
	RN - NATAL - Educ. Rural	5
1100	SP - SÃO PAULO - R. Nacional (1100)	100
1110	PB - JOÃO PESSÕA - R. Tabajara (1110)	10
	RJ - CAMPOS - R. Cultura (1110)	5
1120	RS - PORTO ALEGRE - R. Continental (1120)	10
1130	PA - BELEM - R. Marajoara (1130)	10
	RJ - RIO DE JANEIRO - R. Impanema (1130)	10
1140	BA - SALVADOR - R. Cultura da Bahai (1120)	10
1150	MG - BELO HORIZONTE - R. Tiradentes (1300)	5
	PI - TERESINA - R. Pioneira (1160)	5
1160	ES - VICTORIA - R. Espirito Santo (1160)	10
	MT - CUIABA - R. Voz d'Oeste (1160)	5
1170	SP - CAMPINAS - R. Educadora (1170)	5
1180	MA - SÃO LUIS - R. Ribamar (1410)	5
	RJ - RIO DE JANEIRO - R. Eldorado (1220)	10
1200	CE - FORTALEZA - R. Ceará Rádio Clube (1200)	10
	SP - SÃO PAULO - R. Cultura (1300)	5
1210	DF - BRASILIA - R. Alvorada (1130)	5
1220	RJ - RIO DE JANEIRO - R. Globo (1180)	200
1240	PE - RECIFE - R. Capibaribe (1240)	5
	SP - SANTOS - R. Clube (1450)	2.5
1250	MG - POCOS DE CALDAS - R. Difusora (1400)	5
1260	AL - MACEIO - R. Gazeta de Alagoas (1260)	5
	RO - GUAJARA MIRIM - R. Educadora (1260)	5
1270	GO - GOIANIA - R. Brasil Central (1270)	10
1280	RJ - RIO DE JANEIRO - R. Tupi (1280)	100
1290	MA - SÃO LUIS - R. Timbira (1490)	5

1300	CE - FORTALEZA - R. Tracema (1300)	10 kw
1320	RJ - METROPOLIS - R. Difusora (1400)	5
1330	PA - BELEM - R. Dif. Liberal (1330)	5
1340	AP - MACAPA - R. Educ. Sao José (1350)	5
	MG - BELO HORIZONTE - R. Campani (1340)	5
1350	MG - POCOS DE CALDAS - R. Cultura (1350)	5
1360	CE - FORTALEZA - R. Uirapard (1360)	10
	MT - CUIABA - R. Difusora (1490)	2
	RJ - RIO DE JANEIRO - R. Guanabara (1360)	10
1400	RJ - RIO DE JANEIRO - R. Roquette Pinto (1400)	5
1410	CE - FORTALEZA - R. Verdes Mares (1410)	10
	SP - SÃO PAULO - R. America (1410)	5
1420	PA - BELEM - R. Clube de Pará (1450)	10
1430	PR - CURITIBA - R. Clube Paranaense (1440)	10
1440	RJ - RIO DE JANEIRO - R. America (1430)	5

WHATEVER HAPPENED TO RADIO MILLON?

Ronald F. Schatz

This is the story of the biggest hot potato in broadcast history, and of a U.S. corporation struggling in quicksand trying to get rid of it. This is a first-person article, since I was a directly-influential factor in the fate of Radio Millón and probably still am. Other persons involved with the station will remain nameless so that aggressive DX'ers will leave them alone.

As background (and this is area with which I am not exceedingly familiar), the original million-watt Costa-Rican station was built by Continental Electronics, Inc., for a chap named Windsor on behalf of the Christian Broadcasting Network ("700 Club" television show). Due to tremendous Hemisphere-wide opposition to such an operation CBN abandoned the project, leaving Continental's parent company, E Systems, to repossess the facilities. Since that time E Systems has sought desperately to sell the station to various government and religious broadcasters, but without success. It was finally decided that E Systems itself would operate the station as a commercial enterprise in an effort to get a return on its original investment, and that leads us up to the present.

It is coincidental that the consulting engineer hired by E Systems (via Continental) happens to be an NRC member, and that's how I got involved, due to the unusual logistics of such a case that only a DX'er can handle properly.

Since the frequency of 625 kHz was subsequently assigned to a different station, Radio Omega (TIXE), during the megawatt's lengthy silent period, a new frequency had to be found for its reincarnation. My choice of 1560 kHz was accepted. But before anything else could proceed the station had to be placed on the air for "observation", and that was the purpose of the historical 8-March (1976) DX TEST.

Ronald F. Schatz

The two 500 kw parallel Doherty amplifiers were not at their peak during the test, and the transmitter ran at only some 80% efficiency with 50% modulation; the transmission line was blamed. Still the test got out, and reports arrived from Lima, Perú, and Western Canada and all areas in between. A subsequently scheduled series of tests for the weekend of 27-29 March never made it due to modulator problems; nonetheless, my report to Continental apparently pleased them so much that they decided to abandon further preliminary testing and go ahead with the frequency conversion.

The massive, and costly, conversion included all aspects of rebuilding the transmitter for operation on 1560 kHz, including component replacement, tower moving, and parasitic hunting and elimination. New studios were built in San José and linked by FM to the transmitter in Paraiso, this mainly to protect employees from RF radiation and to shorten commuting distance. Future management of the station was organized into a Radio Millón, S.A., into the hands of Costa Ricans.

Now it turns out that the U.S. Government got wind of Millón's revival, and they don't like it. It would only take a simple protest from the powerful USA to the Government of Costa Rica to keep the station off the air, and that may have been what happened. At any rate, Radio Millón has been described as presently being in a "holding pattern" as E Systems tries to find a way out of this mess.

What I cannot be certain of is whether I, myself, am to blame for informing the Federal Government of the existence of Radio Millón, as my contribution to Docket No. 20642 (the FCC "super-power" case) referenced the station as my authority and experience on the subject. No one is up in arms, tho; Washington would have found out sooner or later.

I was wondering why a certain Washington attorney was taking an interest in my paper on 20642. A telephone conversation with him revealed that he had a client who was quite opposed to the super-power thing and he was collecting "evidence" to support his case. The strange coincidence, however, was our mutual surprise on learning that the present Radio Millón was the one and the same that he helped get on the air in the first place as Windsor's legal representative!

And that is how things stand now with Radio Millón, a corporation's red-hot potato caught between the devil and deep blue sea, and possibly a major factor in the FCC's critical decision on the question of "super-power".

Bulletin-exchange clubs are urged to reprint this article in respective bulletins.

The new era in medium-wave DX'ing has seen a parade of sophisticated "auxiliary" equipment come into use by a minority of technically-minded DX'ers; these include the oscilloscope, the spectrum analyser, and the frequency counter. Still another item has enjoyed limited popularity in recent years but has received relatively little publicity in the DX-club bulletins - the chart recorder.

The inked-stylus recorders most commonly associated with polygraph and EKG equipment, including the Heathkit IR-18M, are of relatively little use to the DX'er. Unless one wants permanent records for orthodox research an oscilloscope with P-7 phosphor CRT is much more convenient and economical for SAH studies and the like. Such recorders are also unsuitable for long-term signal plotting and propagation study, since rapid fades, sideband splash and atmospherics tend to overwhelm and smother the graph. For such purposes a "striking" recorder must be used.

A striking recorder operates by pounding a meter needle against coated graph paper, scratching the coat and revealing the black under-surface. The strike occurs at regular, rhythmic intervals, such as once a second. Since the graph then becomes a series/line of tiny dots, rapid irregularities due to static, etc. show up in unconcentrated form so as to be all but unnoticeable. A striking-recorder graph tends to resemble a scribble with a blunt pencil.

The rustrak (minuscle "r") Model 88 is such a striking recorder. It is aptly described as a "recording ammeter" or, in one popular use, a "recording S-meter". The rustrak-88 is a small, handsome instrument looking almost like a miniature television set. It measures only 143 mm. tall by 92 mm. wide by 105 mm. deep. It has a range of one milliampere DC, meaning that it can be directly substituted for the S meter of most receivers. Mounting tabs are present on top and bottom, or the 88 may rest at an angle on the bottom tabs if preferred.

The rustrak-88 comes in two models: one for 115V AC, the other for 28V DC. Since the latter will run on much less voltage at a slower rate the DC model is recommended; the author's 88 is doing fine on a 6-volt power supply.

The rustrak-88 is available used but in excellent condition for a price range of \$45-\$50 US (1976), including a fresh roll of graph paper.

The ammeter needle is a slender aluminium tube of extremely light weight, since the extra length required is unsuitable for regular needles, which would weigh down, thus disabling meter operation. After years of constant "striking" a needle may be bent or even broken off. An excellent replacement in such a case is an 8-cm. length of the fine chord that comes with crystal earplugs for transistor radios; anything else is either too heavy, magnetic, or not rigid enough, and won't work.

As hinted previously, the 28-VDC model will operate on much less voltage than that, and, since graph velocity is directly proportional to the voltage applied to the DC motor, the use of the maximum 28 volts is unnecessary and wasteful, especially of graph paper. The DX'er should choose a voltage that is most comfortable to work with; the author has chosen a 6-volt power supply (Radio Shack). At any rate, avoid using batteries; they will distort the graph reading if they run down.

The graph paper used with the rustrak-88 is scaled at one inch per hour with quarter-hour lines interspaced. Even at 6 volts, however, the paper progresses slightly faster than that. Unless you're lucky (having found just the right synchronous voltage), it is necessary to log start and stop times so that the "real" hours may be interpolated and marked on the paper once it has been removed from the instrument for study. A pocket calculator is handy for this purpose.

For use as a recording S-meter the rustrak-88 must be connected alone and directly to the receiver S-meter circuit. If the receiver S meter remains in the circuit the 88 will not read full scale. A recommended arrangement is to employ a SPDT switch for commutating between the two meters.

The rustrak-88 can be surprisingly valuable to the DX'er. With one a DX'er can learn to:

- 1) Determine the mode of propagation of a signal (ground-wave, sky-wave or combination thereof & in what proportions; E-layer or F-layer).
- 2) Detect and predict LSS fade-in and LSR fade-out times.
- 3) Determine the RANGE of an unknown station!
- 4) Estimate the number of ionospheric skips taken by a distant signal.

To illustrate some of these uses for the rustrak-88, note the set of graphs on the next page:

"G-1" is the first half of a complete night with PJB (800 kHz). The low, steady signal before 7PM (EDT/AST) is really no signal at all but a clear, open channel. LSS occurs in Bonaire with no effect on the graph. But note "Es" at 7PM; also note that Es is located exactly midway between LSS-Bonaire and ISS-Miami. This is the point where LSS occurs in the refracting point of the ionosphere midway between the two locations. The critical point Es can be used to interpolate the LSS of an unknown station, thus pinpointing the location of that station with fair accuracy with the aid of a loop. § The signal then takes some time to build up and level off - at least an hour. The slight drop in signal during the Brazilian service is not overly apparent on this graph. § Note the series of regular, deep fades throughout the graph (7:35 & 10:00 are good ones). These sharp fades are cancellation fades caused by multiple signal paths, and they occur surprisingly regularly - almost predictably. § At midnight the mysterious "madrugada effect" sets in, bringing a stronger, steadier signal. The "madrugada effect", first discovered by the author, is much more notable on weaker, more-distant signals; it may be related to the "2300 phenomenon" noted on trans-Atlantic paths.

"G-2" continues the graph of PJB, which is off the air from one to 3:30 AM, leaving the combined forces of CKLW, X-ROK and R. Centro. § Many good examples of cancellation fades are present on this part of the graph. § As the eastern sky starts to glow over Bonaire PJB's signal starts to drop at 6AM, then more sharply at LSR-Bonaire, finally dropping into the mud for good at "Er" (Had to turn it off to go to work that morning).

These graphs of PJB are an excellent example of normal LSS and LSR occurrences with a signal making a single skip of the ionosphere. Multiple-skip signals will not have Es and Er exactly midway between the terminators but in other mathematical proportions. These proportions may be used to determine the number of skips that a signal is taking. A detailed article on this general subject should be forthcoming.

"G-3" shows a plot of Radio Liberacion (CMMHQ) in Santa Clara. This station is a local-like daytimer in Miami. The straight line, representing a totally groundwave signal, breaks up after LSS. In spite of the variations after LSS, including many cancellation fades, the long-term mean signal indicates that the groundwave component is still dominant.

"G-4" was just generated at press time and was not originally intended to appear in this article, but the graph is too revealing to ignore. This is the fade-in of WBAP in Dallas-Ft. Worth as "viewed from Miami. The surprise is that the main rise occurs at "Es-2", indicating that the dominant mode of propagation is a double E-skip - with a "refueling stop" in the Gulf near New Orleans. And the author always assumed this was a single skip!

The rustrak-88 is obviously a useful instrument, to say the least, and the low price (compared to frequency counters and oscilloscopes) brings it within reach of most DX'ers.

The 88 has one annoying problem, however - it's loud. It sounds like an extra-slow metronome, and it can be as irritating as a dripping faucet if you have to sleep in the same room with it, which goes for most DX'ers. A sound-proof box is recommended if you plan much all-night graphing.

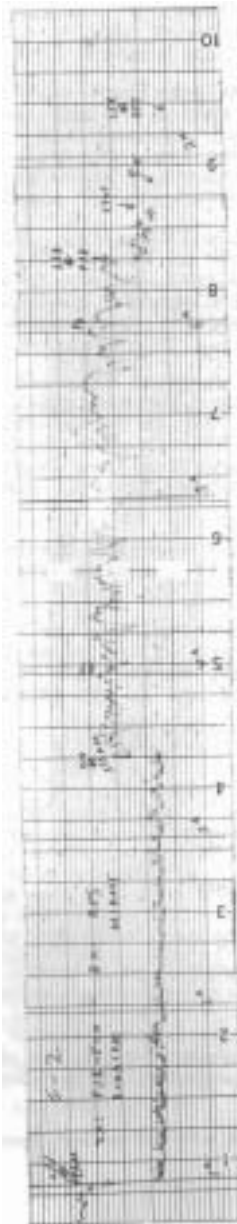
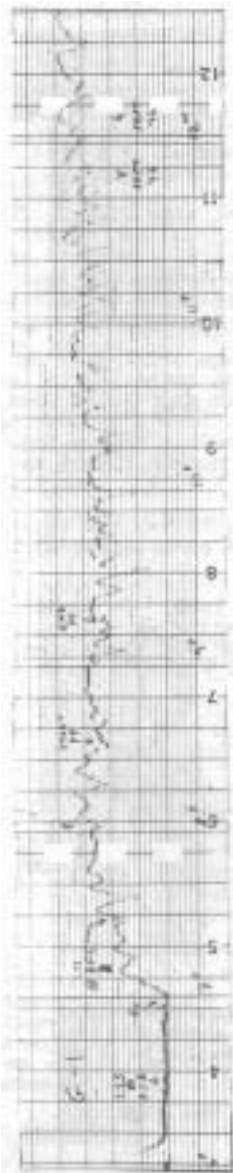
-30-

PUBLISHER'S NOTES:

E_T as used in the foregoing represents that point where a bounce point coincides with where refraction starts to take place in the ionosphere.

It will not always be possible to determine the number of hops on a given signal path due to several variables not herein explained. The passage should give the impression that, under certain circumstances, the listener may be able to so predict.

These clarifications per conversation with the author, September 1976 - RJE



11 February, 1976

Mr. Peter V. Taylor
C/O KFOG
900 North Point
San Francisco, CA 94109
U.S.A.

Dear Mr. Taylor,

We received your reception report dated 12 December, 1975 radio station DXXX on 1010 khz.

Yes, we confirm that the Station as mentioned is DXXX broadcasting from Zamboanga City, Philippines. Please refer to your map.

We are glad to know that DXXX is being monitored and is very well heard in HongKong and Indonesia.

Our Antenna System is located on land mass utilizing 2 towers with Antenna Number 1 as the hot side and Antenna Number 2 used as a reflector. Yes of course we have a considerable power to serve the Islands of Mindanao, Sulu and Palawan in order to disseminate news and information to the people which is the primary objective of RPN Radio and Television Network.

Thank you so much for your reception report.

Wish to hear from you soon to monitor DWWW on 620 khz. another RPN Station from Manila.

Very sincerely yours,
Phil A. Cabrerros
PHIL A. CABRERROS
Engineering Manager

/eps

KANLAON BROADCASTING SYSTEM, Inc.

BROADCAST PLAZA, QUEZON CITY, PHILIPPINES TEL. 877-661 TELEX 7227404 CABLE: KBS BROADCAST

musings of the members

editor Ernest R. Cooper
5 Anthony Street
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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

BILL COLEMAN Jr. - 114 Circle Drive - Rocky Mount, NC - 27801

V/q & v/l from WJLS, Beckley, WV, letter, dated 9/2, says "Till now, we had been signing off Sunday night for testing, and staying on the air 24 hours per day the rest of the week. However, starting on 9/5 we will operate 24 hours, seven days, now that we have an AXR. We were using our daytime 5kw power output during the experimental period when you heard us." NOT MUCH IN THE WAY OF TESTS HEARD HERE THIS past MM 9/27. WCMS-1050, was duplicating the FM of WCMS-FM, & was on for a short test (15 minutes) from 12:50 to 1:05 am. I noted that WHAS-840 has finally taken Herb Jepko off (in the past two weeks), & now are doing a live show, & phone calls. What's happened to Mr. Jepko's show, anyone know? (ALL NRCers know, since our last issue, hi -ERC) I have written off to several of the 50,000 watters & have been real good about sending me program guides, photos of announcers, rate cards, etc. Response from so far have been WSM, WOR, WBZ & WBT. On the locals, WCEC-810 will soon order a new transistorized XR, & WRMT-1490 will soon be moving their XR to the studio on Hwy. 301. Right now, WRMT's signal at night is weak & distorted. WCPS, Tarboro, has mov 1 into new studios at XR site on Hwy. 64. My DX Chat Line is always still open to anyone, anywhere (radio nuts only!), hours midnight to 3am daily. Call pre-paid (no collects): 919-443-7282. I also have WDX4DNO SWL QSLs for swap, & still exchange cassettes of air checks; AMs & FMers. Correspondence is always most welcome! 73s & Peace!

CRAIG HEALY - Box 182 - Cumberland, RI - 02864

I noticed WGAR either off or on low power on 9/20, so WRIB was put on from 2:15-2:52 for a TEST. No music, just code & voice IDs at short intervals. We got one report from Tennessee that I verified already. He didn't mention being in a DX club, but it was a good "professional" report so it's probable. I recently added another RX here, a Navy surplus model RBB type CRV-46147. It was built by RGA in 1941 and restored in San Diego in 1961. It covers 500k to 4 mhz in four bands. What I need desperately is a manual to either buy, or borrow to copy. Any information deeply appreciated! I also picked up another surplus RX that covers 15k to 600 k, but that's a subject for another Muse. Since I have three PoPs to run this year, they will all be listed in the CPC column. One of them, WGNG, has applied for 5,000/1,000. The day pattern is three towers in line & a main lobe at 165° aimed right towards Bermuda. Some power will go right down the EC so SSS should be possible. The night pattern is four towers in a parallelogram shape with a main lobe at 130°. It'll be better coverage all around because the original pattern is too tight. We could get more power nights, but Cuba has a Class 1-C Clear Channel priority according to the NARBA treaty. One final thought. Can I write my own veries to the places I work? And, if so, do I have to write myself a report? And the politicians in Washington think they have conflicts-of-interest problems, hi! 73s to all. (Hi, Craig - can a dentist fill his own teeth?? -ERC)

HARRY HELMS - 1781A Cedar Post Lane - Rock Hill, SC - 29730

Here's a late DX tip for you. WSOC-930 in Charlotte has gotten to the NBC NX & Information Service network (NIS). I hope you'll honor us with more "Mothball Memories" this DX season, dealing with your personal DX experiences & memories. How was the verie situation? What about foreign DX? What were the receivers & loops like back then? I particularly enjoyed the chapter last season about how you got started in the hobby, "inheriting" it from your father & your thrill at hearing KFI for the first time. Could you also run some NRC History? (Will try!-ERC)

JERRY STARR - WHOT Radio - Youngstown, OH - 44505

It's DX time again! I arrived home from the Convention all fired up & ready, ran into the house & turned on the RX before even unloading the luggage. The RX was set at 1490 & I immediately bagged a new one in WMRN w/ID into UPI NX @ 8pm, is this a sign of a good season? The new KCJJ-1560 may be on (Iowa City) as they had an ad for air people in the last Broadcasting, address is 402 McLean St. The new KRGO-1550 night operation is now a nightly visitor, surprising signal for 500w, fighting KKHI to their s/off, then usually dominant o/a looped WAAY. I wonder if they'll verie now? They never did for their formerly frequent ETs. They'll probably be swamped with reports & verie chances will be worse than before. Usually loud WSUM-1000 is still silent, allowing a chance to clean up some 1000 stuff, new WRNJ was noted loud w/lengthy s/off @ 7:16 on 9/8 & several times thereafter, WIOO dominant at times & re-reported now that they verify. WIQT also quite strong some days @ SSS, much as in pre-WSUM days. No WRNJ verie yet. WEBR-970 is about to go all-NX in mid-October 6am-7pm, then MoR to midnight s/off weekends, jazz & PSA & sports weekdays, hoping to go AN soon. Has anyone a verie from 5/24 WKOX-TEST? Otherness: Attendees at the day-before-the-convention mini-YAD included Ray & Arlene Arruda, Alan Merriman, Frank Dailey, Russ Edmunds, Bob Stonier, George Greene, Wes Boyd, John Silliman & assorted spirits. If you want to know what went on - ask them! LOUISVILLE was excellent, thanks to all the LADS for one fine time. We have already made plans for LINCOLN '77. 9/25- WSKW-1150-TEST didn't make it here, darnit. Thanks to the NERDS for transporting some new additions to my beer can collection to LOUISVILLE. Our stockcar racing season has ended. We did very well w/a number of wins & an over-all second place point finish for the year on our circuit; now it's time for some serious DXing. Two v/ls back so far, WIOO & WMRN. Let's everyone get those RXes on & DX - JOIN THE C.P.C.! 73 & good DX.

PAUL MOUNT - 471 Emerson Avenue - Teaneck, NJ - 07666

My last Musing didn't cover the MM in Wyoming, OH (a couple of miles N of the Cincinnati limits) so here goes: 7/5- XERF-1570 w/SS, 12:50. KKJO-1550 Mo., 12:57, fair. KCRG-1600 Ia. 1, w/religion, fair. CBL-740 1:07, signing off. WPTR-1540, a surprise 1:14 w/rr fair but w/a loud Tter. WAAY-1550 Ala. 1:15, fair w/rr; 2, WMBD-1470 Ill. ending te-le-talk w/ID. They seem to have a null this way, shows PB. (Pattern Book? -ERC) WOHO Toledo good when WMBD was nulled. WROZ-1400 Evansville 2:20 w/c/w, good; WSPD loud, more than WhisPered their calls @ 2:40 w/c/w. WSLR, the old Whistler next @ 2:40, also c/w, good. KFH-1330 "13-KFH" fair-good w/promo for Keith Foster Show 2-6pm, & into rr 2:42. WEIC-1270 good 2:49 w/Love is Alive. Semi-local WNDE-1260 @ 2:51, good. CKJD-1250 Sarnia good 2:53, WTAE off I guess. WKDA-1240 Nashville fair, 2:55. # WGAR-1220 o/SS, in their null here, 2:56. WCAU-1210 & next-door WOAI signing off, mentioned WBG-558 on 947 mHz, maximum power of 8w. KSL @ 3:10 on Jepko, closely folo by CKOC good, & my local WNEW in well too @ 3:13. WBT all alone 1110; then "10-90 Express" was heard in EE w/a good signal o/unID QRM. Semi-local WIBC & WTIC followed, then WNOE-1060 all alone, rocking w/a big null this way. Former NRCer & 99x star Cary Pall is reported to work here. WHO CFRB WNOX WWSW & WINS later, came WERC (hooray on the calls!) w/NX @ 3:59, good. Sometimes it seemed there was only one station in the half of the country on to be heard, I heard it, like 1,000w WFNC-940 w/c/w @ 4:15, Big Ben from Buffalo w/NX 4:15, then a gust of (t)RF brought WGST-920 easily. WSBA-910 surprised @ 4:35, then a bunch of clears plus CMAP-880, WAKY-790 & I forgot on 1000, two SSeS, one @4:01 said "R. Colombia Nacional" & then a sexy-voiced girl kept saying "que suave." SS-750 4:50, but no ID @ 5 due to WSB s/on. Somebody rocking on 600, wekk but almost alone. 590 first found WVLK 5:23 w/QRM from WOW (first time I'd heard that state) 5:27, then CMW surfaced as did WKZO. SS-570, WKRC-550. Then came more fun, machine-gun style. In NJ it's hard to do SRS since it's light out when further west stations s/on, or the local is already on, & there's not many available from New England for me. But here I tuned to the upper 1500s & heard XERF-1570 s/on-SS @ 5:50, WQTW-1570 Pa. o/XERF @ 5:58 s/on good, then WDXR-1560, local WCNW. zonking them & WKFI Ky.. WLBN-1590 ended the great morning. 73.

JEFF FALCONER - Box 63 - Clinton, Ontario - NOM 1LO

Hello fellow dial spinners. I haven't mused for about a year so here goes. Last season was one of the least productive of my DX-ing career, quantity-wise anyhow. Some good catches made it through. Three new states were heard: Maine - WGAN-560, Nevada - KLUC-1140-TEST, & Hawaii, KORL-650, bringing total to 48/48. I still need Delaware & of course, Alaska. Some of my better catches were: CJBC-10-1110 (LPRR), WAVS-1190, KOKK-1190, WCPN-1619.5, KNIC-1550, WHGO-1606, WPEP-1570, KSEK-1340, OAX4H-854, KREX-1100, WROD-1340, KSLM-1390, Turkey-1016. This season is starting to shape up with several TA's heard. I hope it doesn't let up for the entire season. Recent DX: 9/14- 11pm, Turkey-1016 on top w/walling AA-type chants. 9/16- Midnight, Albania-1457 in w/block-buste signal w/Peking IS, then into NX. Algeria-548 weak in 550 slop w/ chanting. I noticed yesterday, 9/24, CHAM-1280 is now CJJD. This season I'll probably have more time for DXing & will make it a habit to Muse regularly. 73. (That's a PROMISE, Jeff, right? -ERC)

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

Now that I'm an NRCer you may get sick of me (One hobby is writing). I hope this first Muse will be a-muse-ing to y'all. My driver's license denotes my age at 21 & my first QSL was WKBW 3/20/70. I have 190 veries; 29 states, five provinces, four countries, two beacons. Latest v/l from WOWW-1380 Naugatuck, CT. I hope to take an auto DX trip to clean this state up. Reports sent to latest catches: CKEC-1320 New Glasgow, N.S. @ lam & CFGM (or is it CFGM)-1310 Richmond Hill, Ont. @ 1:15, both 9/16. Also WMMW-1470 Meridan, CT (second time). I dial-tune every day. In spare time I'm an architectural engineer (AS degree). Reading RBS' muse, my earliest postal report is 3/10/71 - can anyone beat that? Only two ever bounced: WLIB & CFOR. I keep all NRC International catches on index cards by frequency. Anyone know of a published list? Going on seven years in AM I found DX has its piece of junk mail (e.g. report to R. Caracas-750 returns R. Rumbos for SW frequency; report to Cuba-690 returns from "El Instituto Cubano de Radiodifusion" for "Radio Enciclopedia"). Anyone know why v/q from WVNJ (NJ), sent to CT, is post-mzrked VT on back? I think I hold most ancient QSL, from WMAQ for 2/8 in the year 197 (can anyone beat that?) 88s. (Not even I go back that far, Konstantine - mine's from 1933, hi, and WELCOME to the NRC!- ERC)

CURTIS D. ENGBERG - 80 Concord Road - Wayland, Massachusetts - 01778

I hope those of you who attended the Convention got in on some of the excellent DX CX that prevailed on the ECNA during Labor Day weekend. It was one of the best & longest openings that I have witnessed. Familiar TA's were noted on almost all channels across the dials. 9/4- 7:38pm, RAI-899 one of the best on the dial was a newie here. It was exceeded in quality only by Morocco-818 & an 872 in SS, unID. 9/5- 11:35pm, Andorra-818 predominant, Daventry-647 excellent, into rr @ 11:45. VOA-1196 Munich very good at midnight, then FF-1205 excellent; Carolina-1187 good w/mx; 1088 playing "Stranger in Paradise". 8/3, 854, 845 in very well. 9/7- Ramadan stations strong on 548, 575, 611, 818, & 935 between 7:50 & 8:30pm. Before 8, excellent signals from Dakar-764, Spain-773, 737 unID, Spain-584, & 755 s/off @ 8:02pm. Earlier woman speaking in GG on top of 611 AA speaker, unID. 9/8, just as good. w/782 the strongest on the dial most of the time from 7:30-8:30pm. 9/10- Czech-1286 the best @ 8:40pm. Who carries the mx on 1223 after 9pm? 9/11- I heard 7:15pm s/off of WVLV-940 right in the middle of their broadcast of the Notre Dame game. "Tune in tomorrow morning for the result!" We are now required to leave the air." Surprising number of AN TA's heard still on after 10pm on 584, 728, 737, 818, 827, 881, 899, 1016, 1142, 1322, 1268, but not sure who. MM 9/13 excellent CX remained w/854 probably the strongest signal. Mx on 1304 good @ 12:14, but unID. At 8:30pm, CX were very good. Two audible signals on 575 (talk o/mx) & on 665. Italy-845 readable through super-local WHDH splash even! Morocco-863 w/Ramadan. 9/15- Low & mid frequencies excellent around 7pm. 73.

SEND YOUR FREQUENCY CHECK INFO N-O-W TO JOE FELA, at 150 Robert Street, South Plainfield, NJ 07080. THE NEW LIST WILL BE OUT SOON IN DX NEWS!

BARRY W. JONES - 9612 Atwood Road - Vienna, Virginia - 22180

I was very sorry to have missed LOUISVILLE which was due to serious illness in my family. I am looking forward to Fall's DX Season w/CX improving here. R. Jumbo on 545, SRS Surinam, 725, XEX-730, R. Sutatenza-810, R. Titania-825 San Jose, C.R. & R. Belize-834 regularly put in good signals during the last month. On 9/19 @ 10:55pm Algeria-529 "Ain Beida" came up out of the noise w/AA religious chanting & faded out abruptly @ 11:10pm. The Arab country stations stay on the air longer due to Ramadan and this was my first North African logged here. I have put up a new 400' LW in addition to the 135' interted L antenna & will try using it as a beverage for highband TA reception & European DX on the 160 meter band. I would like to arrange skeds w/NRC ham members on 75 meter SSB. I'm K4PIC. 73.

RICK BRIGGS - 31 Lowell Street - Asheville, NC - 28803

It's about time for another Muse for the start of a new season. I hope everyone had a good time in LOUISVILLE. As for me, a parental visit prevented my trip. As for DX, here goes. 9/23- WEMS, Black Mountain, NC, a local I forgot to log last year, 1845. WEMB-1420 Tenn., 7:03pm. 9/25- WIEV, Ill. u/WNDE 12:07am. WHIO-1290 12:30 w/Cinci BB. CMGN-720 Cuba, all over WGN. PJB-800 o/CKLW 1:05am, going from EE to SS. WTOG-1290 Ga. in faint u/WISE slop. WWTC-1280 Minn. 1:31w/a bank commercial. Finally WABD Ky. 1370 w/f/c. By the way, my old log reports WABD un Fort Campbell, Ky. My Rand-McNally says there's no such place. Is WABD indeed in Fort Campbell? (It's in Christian Co. S of Oak Grove, on the Tennessee border, by my Hammond's Ambassador World Atlas - ERC) I also received on 900 12:45-12:55am a TT w/various tones. Any ideas? 9/20- KDKA Pa. not logged last year for a "freebee". 1150 @ 12:10am was a rebroadcast of a Buffalo Bills FB game, any ideas? WIMA-1150 OH s/off 12:12. WJBO-1150 LA w/rr @ 12:44. WGQE-1590 w/f/c. This was a very unusual test with the Habitual Dental Hilarity Hour, and program music. Very strange. No sign of the 9/26 Maine TEST here. 73s to all, from Dixie. (Thank you, Dixie! -ERC)

FOREST E. OSBORN - 202 North Jackson - Hooker, OK - 73945

Very little DXing has been done lately but I hope to get things fired up during October. Belize is in very good nightly but too much QRN for the rest of the LAs. It is almost sickening to see the TAs and TPs listed by the coast guys while I listen to the Mexicans get louder every night. I would like to remind everyone to renew his memberships early in order to keep from missing the DX NEWS right in the middle of the DX season. If time permits, I intend to get Joe Fela some of the frequency checks of my local stations. This is also something everyone can help on & in turn will help your own logs grow. I guess I just can't help getting a little enthusiastic after a rather drab Summer. KGYN's owner says that due to his small staff, he will not verify any reports. I guess that is better than not getting a reply to my letter at all. For now, 73 and good DX to all.

NORMAN L. MAGUIRE - 2877 Kalakaua Avenue - Apt. 703 - Honolulu, HI - 96815

Correspondence and S.R. columns have been at a standstill since I had some surgery in early August, folo with problems with my left eye which have not been corrected as yet. I attended the SAROC Convention (Amateur Radio) at Kuilima Hotel at Kahuku Point, N.E. corner of Oahu on 8/29-29-30. I took all gear, including Sanserino Loop. DX was fabulous, but no Guam stations. Many Mainland U.S., Canada, Mexico, etc. were rolling in. Reports went out to KCRL-780, KYXI-1520, & KKHI-1550. Varies in from KCRL & KYXI. I'm hearing more Mainland DX from here in Honolulu these days, vack to Chicago and Cincinnati. I have not heard the EC as yet. Most DXing time is spent looking for foreign stations. I enjoy DX NEWS as much as ever & I just don't know how you manage to put out Musings, issue after issue. I'm also getting involved with NZEDXL's gang in New Zealand and Australia. Hasta temprano. (We wish you well in recovering your sight in that eye, Norm -ERC) HAVE YOU HEARD ANY FREQUENCY CHECKS NOT IN OUR LIST? LET JOE FELA KNOW IMMEDIATELY FOR THE NEW N.R.C. FREQUENCY CHECK LIST!

STEPHEN H. PONDER - Box 22635 - Fort Worth, Texas - 76122

This is my first Muse since I have been a member (as of 10/1/75). I guess I'm late at this work, but better late than never. I guess some introductions are in order, now that I have committed myself to be put into print. I am 23 years old & am a graduate student at Southwestern Baptist Theological Seminary, studying to get my Religious Education degree. I have a degree from Louisiana Tech in Electrical Engineering, so I try to put all that technical business into my job on campus as an audio recording technician. I have been DXing on MW only since about 1973, but before that I was an SW addict. Now that I have a WEDGE antenna to go with my Heath GC-1A communications RX, I hope I can try to update my verified vs/ heard ratio. Not much I can do in the way of an outside antenna since I live in the dorm, but the WEDGE works like a charm on the inside. I hope I can get to Muse more often now that the initial shock is over of being printed in DX NEWS. Oh yes - anyone out there know how or where I can get a control unit for a Bendix MN-26 G Radio-Compass RX? If so, tell me. I hope the new DX season will be good and that we ALL can find the time to devote to our hobby. (Welcome to the Musings section, Stephen, & we all hope you'll keep right on Musing! $\frac{1}{2}$ ERC)

RON B. SCHILLER - 7657 La Bolsa Drive - Dallas, Texas - 75248

Recent veries: KGV-1400, KFYO-790, KVOB-1340, KTXO-1500 WAMR-1320, KOY-550, KITE-930, KQYX-1560, KNIN-990, KRBC-1470, KEES-1430 & KIKK-650, all v/l. Heard since last report: 8/4- KEES-1430 RS 8:24-8:37 w/c/w (verified ex-licensee KSIJ in '55!) 8/16- R. Jumbo-545 so loud @ 3 that I thought I had an image till I heard FF! KORL-650 unn, weak, same hour. WJBC-1230 through the middle but not enough copy, 3:15am. 8/21- Unn WRAY-1250 s/on @ 7. 9/3- KIXZ-940 6:53-7, midst WINZ & others. A 920 s/on @ 6:59 sounded like WGNU. I copied semi-local KGNC-710 7-7:11. KHOW-630 blasting forth over all @ 7:22-7:30 w/Top 40. 9/11- KRKE-610, Beatles et al 5:10-5:17, plenty of WDAF QRM. 9/16- Unn CHML-900 alone @ 5. 9/22- KTWO-1030 well o/WBZ/XEQR 9:13-9:19. 10/1- N'er before heard (either NJ or FL) KRVN-880 @ 10pm. KGWA-960 topping an XE, same time. UNID SS-1340 @ 10:30. 10/2- XEGM-950 Tijuana, R. 95, 8:03-8:17, excellent u/KDSX. KZEY-690 w/Black programming 8:41-8:48. KTBB-600 w/many local ads 8:52-8:57. 10/3- CX seemingly better. KGLV-1240, Clovis, NM surfaced @ 6, but quickly left WTAX-1240 in charge (unn), then KTAM-1240 w/Top 40. KANE-1240 s/on @ 7. KIKS-1370 briefly in (500w) 7:05. 10/4- WFDR-1370 s/on @ 6 w/NA. KIUN-1400 Pecos, Tex. r/c 6:17-6:26, good. 73.

TOM FAWCETT - 785-47th Avenue - Lachine, Quebec

BCB DX has really opened up here since 9/1. I bought a Realistic "TRF" AM RX, & so far the only problem with it is dirt in the volume control, which gives me a crackle every time I change volume. My total stations is 331, in 13 countries, including Senegal, Algeria, and Dominica (R. Jumbo-545). On 9/17-18-19 new stations: CMW-590, CMKV-600, CMAF-880 in a rare (?) WCBS SP; WNOX-990, WADO-1280 (a real pain when you're LA DXing); WTOO/WRNJ-1000, YVKE-550, CMGN-720, HJGX-700 u/WLW, CMJN-780, HJJB-830, HJED-820, YVLT-830 & YVMX-1020, a real surprise, in KDKA's null. All the above but YVMX were heard at our cottage between 10:30pm & 2am. Geographic coordinates of the cottage are: 45°25' N; 73°45' W for the home "20". I'm really glad I've finally started hearing those TAs & LAs. I was beginning to develop an inferiority complex, hi. Protestant teachers are on strike here these days, so I have time to get this Muse done. I'd better get it mailed quick before the posties go on strike again, hi. 3's, 8's, and GWAITH to all. Ask Brent Taylor about Gwaith. (I'll ask YOU, Tom - what's Gwaith?? -ERC)

HOWEVER YOU RAISE IT, WHETHER YOU BORROW IT, BIG IT, OR EVEN STEAL IT - SEND IN \$6.50 TODAY FOR THE GREAT NEW NRC DOMESTIC LOG #4! THEY WANT LIKE HOTCAKES AT THE CONVENTION, AND EVERYONE SIMPLY RAVED OVER THEIR COPIES! IT LISTS EVERYTHING #3 DID, PLUS STATION FORMATS & TIME ZONES! YOU WILL BE VERY HAPPY WITH YOUR NEW NRC LOG, SO GET THAT \$6.50 IN RIGHT NOW, TO: N.R.C. PUBLICATIONS CENTER - BOX 401 - GALES FERRY, CONNECTICUT, 06335. DON'T PUT IT OFF! DO IT RIGHT AWAY * NO DXER SHOULD BE WITHOUT!

M O T H B A L L M E M O R I E S
CHAPTER XXVIII - A HISTORY OF THE CANADIAN BROADCASTING CORPORATION
(from the 1972 booklet "CBC: A Brief History and background.") - by GORDON FENDERSON, Jr.

Broadcasting began in Canada with experimental XWA Montreal (now CFCF-600), licensed in September 1919 by the Marine and Fisheries department. XWA broadcast a musical program to the Royal Society of Canada in Ottawa which was heard clearly. The second commercial station was CKAC-730, Montreal, the first French-language outlet. Even the Canadian National Railway, in its parlor cars, had in-train broadcasts. By 1929, over 75 stations were in business. The government started collecting \$1 yearly license fees, raising \$300,000 in tax revenue. The first network was started by CN from Ottawa, Moncton, and Vancouver, and a dozen private stations leased by them. It began in time for the 50th Dominion Day celebration on 7/1/27. There were a number of problems in establishing a native radio service, though: stations were located only in the cities, leaving sparsely-populated area unserved; "frequency-hopping" left only six channels exclusively Canadian; there was severe interference from Mexican and American powerhouses, and it was easier to use "chea p" American shows and recorded music. So, on 12/6/25, a Royal Commission looked thoroughly into the situation, and decided that Canada's people want a native broadcasting service. After arguments, recommendations, and proposals aplenty, a three-man commission was formed to regulate program and technical aspects, obtaining funds from license fees and limited advertising. This was finalized into the Canadian Radio Broadcasting Commission, on 5/26/32. More to come. In Chapter XXIX.

ERIC FADER - 23-35 Bell Boulevard - Bayside, NY - 11360

Hi people. Add these stations to your AT-40 lists: New 9/19- WZOO-710 NC, WATT-1240 MI, WBEX-1490 CH, WKSX-1340 NY, WKIX-850 NC. New 9/26- WEEQ-1130 PA, & add KFAB-1110 NE & delete KOIL-1290, same market. No DX done all month, schoolwork has been just too much & I did send for the new Domestic Log, however, and am looking forward to receiving it as my old one has been in several pieces for a very long time. Maybe when I get the Log I'll feel like doing some DX. Last DX catch of any kind was WHOM-949 strong! (?? -ERC) I like that new DX NEWS cover! Nice work, Cal Craig, whoever you are. Anyone have a comment on the NRC T-Shirts? Does Mount have his yet, hi? 73s. (Ask him -ERC)

ERNEST R. COOPER - 5 Anthony Street - Provincetown, MA - 02657

Well, my quatro-centennial verie has arrived, just before the theoretical start of the new DX Season! I spent a recent rainy day filing away all my last year's veries, and found my count of 3,994, reported last Muse, was incorrect - I had failed to carry over to the cover of three albums the updated correct number of veries there-in, and my count as of last Musing should have been stated as 3,999! So, #4,000 arrived, rather in-exotically as it were, in the form of a PP/c from WSHY-1560! Too bad #4,001 didn't get here a couple of days sooner for it was a goodie - a blue-on-white v/q from PRG9-1100, Sao Paulo, for Brazilian #13 verified, but the first in the last decade. #4,002 was a v/l f/up from WSGA-1400, which is where we stand right now. DX: 9/14- CIGO-1410 seems AN sporadically; they were AN-c/w today, and fighting hard with WPOP for top spot, unn. A strangity today - I heard a seldom-heard song "Tallahatchee Bridge" on CIGO @ 2:06, & one minute later, arriving on 1590, the same song from WAKR! 9/17- Unn WMNS-1360 on f/c-TT 12:55-1. 9/18- Report sent to BBC-647, Daventry, good signal. MM 9/20- Unid MoR on 1530 (not WCKY) 1:37-1:45, weak, on a noisy AM, somewhat AU too. Report on ZNS2-1240, topping there @ 2:34. 9/21- Tentative to WKZA-960 on f/c-TT @ 12:18-12:24 off. 9/25- WSKW-1150-TEST made it u/WCOP & o/CHSJ, but an hour late, noted first @ 1:03, mentioned NRC & used Morse code IDs; new here. MM 9/27- WICK-1400 atop here @ 1:30, unn. Dave Gleason's "Once-Q" in fair on 1140 (WQII) @ 1:18. My mystery weak SS on 1530 heard again today, unID. Report on HJKL-610, AN, w/WIP seemingly silent today! 9/28- New WNCR-1440 (ex-WAAB) is AN-EZ mx, logged today. 10/1- Another newie is WQIQ-1590, who's IDing weirdly as "1600-I-Q" was ANing w/MoR, but not heard since; thanks to Stan Moss for their calls!

SEASON'S FIRST GET-TOGETHER ON NOVEMBER 13!

This is to invite every one and all to 5 Anthony Street, in historic Provincetown, Mass., at the Tip of Cape Cod, for a DX rag-chew and get-together on Saturday, November 13th, from 11 a.m.-ish to 6 p.m. I would like to hear from you if you are planning on coming, so as to know for how many to plan. I'd appreciate it if you'd be willing to chip in a couple of bucks to help with the cost of refreshments. Let me know when you say you're coming, what you like to drink - soda, or beer. The date is a little earlier than I would have liked, but we are "expecting" - the dog, that is! And if there are puppies in the house, the mama dog isn't gonna be happy about strangers coming into "her" house! Anybody want a puppy for a Christmas present? Please make plans to come - the more the merrier! - Ernie Cooper

WHAT'S THE MATTER WITH OUR MEMBERS?

Having just celebrated my 30th anniversary as Musings Editor, the thought occurred to me that we used to have 8 to 12 pages of Musings in the late 40's, with 34 issues per year - with a membership of about 200! Now, with a roll of approximately 750, we are not doing as well! We had lots of new members send in a Musing last season, but not many followed it up with more Musings! So, this is an impassioned plea to you newer members to participate in "Musings of the Members" regularly. It wouldn't seem necessary to remind our longer-time members that we need their contributions, but just to refresh your memories, we certainly do - this section is nothing without contributions from you out there! And the kind of Musings that mean something are the ones in which the latest DX of yours is listed, day by day, with calls and frequency and time in ELT of your catches! These not only give you the chance to tell the rest of the Club what you've been logging, but also the opportunity of passing along those valuable tips to others. So, your Editor is willing and anxious to type out your Musings, so as to make this section the #1 portion of the bulletins as of yore. So, get with it, me hearties, and be sure to double-space, and remember, our limit is 30 lines, no matter how infrequently you Muse! Become a regular respected name in "Musings of the Members!" Please! - ERCooper

This graph shows the daily variation in App, 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 IA and IP 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 cx following prolonged quiet.

