

CORRECTIONS TO MEMBERS ADDRESSES



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- *Thoughts on Construction of FET Loop - R. Edmunds.
- *Corrections to Membership List - R. Kane.
- *Supremacy Ratings - N. Maguire



NEW MEMBERS

- Paul J. Abbot, 428 Popurah Rd., Fairfield, Conn. 06430
- John W. Basehore, 603 Shephardstown Rd., Mechanicsburg, Pa. 17055
- Frank Peters, 820 W. 34th St., Chicago, Ill. 60608
- Charles Wehking, 10531 Kennerly Rd., St. Louis, Mo. 63128

Welcome to the NRC, gentlemen, we hope to see your contributions often here in the pages of DX NEWS.

Contest Note *

From Dave "Fish" Fischer, manager of the Friendly DX Contest (rules appeared in the last issue of DX NEWS), comes the following correction to the rules: "Change November 1st, 1969 (all occurrences) in FDXC to read December 1, 1969."

fet loop kits

Don Kenney has written to inform us that he will be able to supply the wooden parts for the NRC Altazimuth loop antenna for those members who don't want to bother obtaining them locally. We expect to have full information on Don's offer next issue. We are still assembling the basic loop kits; we hope to have exact information as to availability and price in the next issue.

THANKS!

I'd like to take this opportunity to express our appreciation to Arley Sundstrom, Don Jensen, and the editors of Radio Sweden's "Sweden Calling DXers" program for their recent help in publicizing the NRC!

GPN

sleep, but at least it keeps me satisfied in our hobby. 10/13, I heard an unk "good mx station" seemingly an ANer playing unannounced recordings @ 2:31-2:45am on 630k, in the background of a Cuban - who might that have been? I hope more CPCs "show" this season that lasz year, when many failed to.

KEN LYON - 9415 Goodrich Road - Clarence Center, New York - 14032

No luck on the TESTs this week. I had hoped to log Idaho but no luck. I hope to do better with WERT & WVAB. DX this week: 10/1- WHHO-1320 @ 5:30pm s/off-SSB leaving CKKW; WLK-1270 @ 8:38pm w/r/r o/WXYZ. 10/6- CHFT-680 w/ET/TT /mx & WPTF under, w/Hi while looking for KOMW. WSRF-1580 @ 3:36am w/ET/TT/mx I&C and all alone; WADO-1280 @ 4am s/on-SSB, WIRE-1430 @ 4:08am w/c/w quite strong. 10/8- WSCR-1320 @ 5:59am w/NBC NX u/WJAS. 10/10- CKEC-1320 @ 6pm w/c/w I&C. No new veries this week.

JOHN W. HOOGERHEIDE - 3 Marquette Drive - Marquette, Michigan - 49855

WHBG-1360 r/c-TT 11-11:15pm EST for new Va. station. This was followed @ 11:15 by another Tfer assumed to ve WBEZ-1360 in N.J. I thought I caught ID through WBAY, to 11:30 s/off, IDs every three minutes. Anyone who heard this f/c drop a line. 10/10- KNIM-1580 Maryville Mo. all alone @ 6:20am & quite loud - #26 on 1580 & my best frequency. 10/12- I had new log in WIOU-1350 @ 6:05pm w/CBS Sports. KLEX-1570 s/off 6:45, no anthem. 10/13- Long-sought CJOB-680 Winnipeg finally on AN sked @ 1:45; KOYN-910 Billings f/c-TT w/ CW IDs only 1:45-2, this CW really gets through the QRM & might be an easy Montana try. CHEC-1090 Lethbridge w/NX @ 2; CKDA-1220 s/off-GSQ @ 2:02; CJOC-1220 noted in background; WVAB-1550 TT very loud, atop w/TEST. March mx noted on 120 2-2:25 but very much behind CJOC; I assume this was WERT's TEST, but boy, what a poor signal - I'll bet they never get out very far. HJFF-1210 La Viz Amigo good on AN 2:50, ZFB-1235 fairly good on AN @ 3am. I sure hope anyone who needs Ore. noted KEX-1190 @ 3 - what a signal! CJCB-1320 Sydney N.S. s/on @ 3:57 I&C, then WLBZ-1270 atop. Totals, 1,042.

BART CRONIN - 2537 28th Street West - Seattle, Washington - 98199

Log totals from Seattle now at 136 stations heard in 18 states & four countries. A long way from the 1,071 stations in 42 states & 14 countries from last time I lived in the N.W. New additions of significance: 10/3- KUPLI-980 Idaho Falls w/ET @ 2:19 EST while listening to CKNW. 10/6- KOM -630 Reno s/off @ 2:01 for first Nevada of new list. CHQM-1320 Vancouver, w/ID @ 2:30, poor level, but confirmed w/stereo signal from CHQM-FM @ 130 miles. CBR-1010 Calgary w/s/off @ 3 w/S-6 signal which I now get alongside KOMO-1000 which has an S-9 plus 20, & no loop yet. KSUB-590 Cedar City, Utah, testing @ 3:30. SM R 10/12 & MM 10/13 devoted to cleaning up the usual 50s: WNAS WCCO WOAI WFAA WJR KOB WHO. KODL-1440 The Dalles, Ore. noted on RS @ 12:21am 10/13 for little-heard one when I used to live here. Radio Equis-750, Managua, Nicaragua w/ID & fanfare @ 12:57 w/S-1 signal for my first CA on the new long, & one I heard commonly in Boston. Surprise w/CJUN-1420 Shaunavan, Sask. s/off @ 2:13 // -CKSW-1400 (not heard) w/S-6 signal almost in clear with the exception of station playing soul mx w/good volume, but highly distorted announcer saying 1490 not able to get calls- who? KONE-1450 Reno w/S-7 in the clear @ 2:27 for what will again be a pest as several years ago, along with KRPL-1400 after KINT s/off. No Alaskans yet, but I am watching 660 & 750 for the usual, & 650 for the new KYAK. IRCA bulletin sent me gratis says KLEH-950 Seward, Alaska has thrown in the towel,

FISH - Lincoln, Nebraska - 68508

I'm getting close to being in the BCB groove for another season. Here's a few items of pssible interest: 9/25- KTLW-920 Tex. in w/WX @ 6:23am. 9/28- KESM-1580 W1 Dorado Springs, Mo. most-sought station w/7am s/on-SSB, also three in a row: All 730k, KSUD Ark. s/on 6:45 followed by religious program; KWRE Mo. s/on 6:48am-SSB, then QRM from KITY La. s/on, no SSB, @ 6:49. A bit later, KWQA -730 Miam. s/on no SSB @ 6:58, then mx, WX, etc. 10/5- WDSU-1280 La. in I&C w/

12:08am s/off. ,, 10/6- KPHO-910 Ariz. 4am plus, w/WX o/u OC. WIMA-1250 S.C. @ 4:51am w/TX & ID, WREN-1250 Kans. SSB s/on 4:58am, is AN, off only MM. WJJS-1390 Tenn. in w/morning show 5:10-plus on. Beta DX! Say - I have lotsa BCB material and gear to go - write for list, I'll send when it's complete.

MARV GERBER - 2539 Kessler Boulevard - Lincoln, Nebraska - 68502

It was nice being in ST. LOUIS and meeting many NRCers whose Musings I read every issue. I think we all owe Bruce Reynolds, Walt Breville, and Dave Carlson a big THANK-YOU for a job well done. I was out in Cal. all Summer & met four or five DXers there (IRCA-ers). I did some DXing there w/a transisitor portable, but it was tough getting anything good w/all the Bay Area stations as locals. Some veries in, though: v/q- KWMT KRLD WOAI WMC CFSL. v/1- KSOK KINT WMT. v/c- CFRN. v/f- ZNG. That brings my totals to 315 veries from 40 states, six provinces, & 13 countries. Canadians are 55/48 for slightly o/ 87% return. C U N 14. 73.

RICK EVANS - Box 1988 - Gary, Indiana - 46409

Hello gang. Not much DX here this week. I had hoped to get into the 10/11 DX NEWS but guess I didn't. 10/10- WBAY-1360 Green Bay Wis. noted @ 1:20 while I was tightening my loop; WTLO-1480 Somerset, Ky. 2:30-2:45am r/c; KATZ-1600 St. Louis 4am; WPTR-1540 Albany in AN, rare here w/KXEL but un. 10/11- WBEL-1380 S. Beloit, Ill. 4:40-4:47pm w/slop from local WILH-1370. MM 10/13 - KIZ-560 Denver 12:25-12:46am after local WIND s/off; WGR-550 Buffalo ID @ 1:17 while listening to WKRC in Cincy; WJBK-1500 Detroit EF 1:50-2; WVAB-1550 Virginia Beach, Special 2-2:15. I have my thoughts on this TEST but it wouldn't pass Ernie's typewriter, so I won't say them; WMEX-1510 Boston 2:48-3:15am. 10/14- KMPC-1500 Bakersfield, Cal. 2am s/off. 10/15- WATO-1290 Oak Ridge Tenn. 3:04-3:20 ET (this is when I heard them); WVOL-1470 Nashville 3:20-3:30 RS; WAAY-1550 Huntsville Ala. weak but clear 3:35-4; WFBC-1330 Greenville S.C. 4:05-4:20am; WSYD-1300 Mt. Airy, N.C. poor 4:35-4:45; KRYS-1360 Corpus Christi poor u/WKMI 4:50am rr; WBNY-1350 Rome N.Y. s/on-SSB 4:55, not too good. NRC Log says PSA of 190w! MWVA-1350 Norton, Va. s/on 5:03; WVGW-1290 Logan, W.Va. s/on 5:30 but I couldn't hold them; KNOE-540 Monroe, La. 5:40-6am; WREC-600 Memphis 6-6:20am; WJOM-600 New Orleans, 6:15 poor u/WREC; WCIT-680 Corbin, Ky. 6:20-6:35am. Twelve new stations that mornjg. Totals here now 661/327; 38 new stations this month alone. Veries: WKIS WMIL WMIX WINH CHSC WSUN WVON KGBS WIOU KINT. WINH said I was "probably the only one listening to the first broadcast from the newly re-located XR." They also added "thanks for letting us know it worked on the first day." 73.

DAN MYERS - Box 311, or, 5315 Homeland - Toledo, Ohio - 43601 or 43611 (resp.)

Greetings, NRCers. Too long since I've made myself heard. Latest DX: 10/6- 3:22 KWCB-1300 on f/c. 10/7- 5:58pm, WJSO-1590 s/off; 6:11 WILY-1210 s/off. 10/8- KFAL-900 s/off. 10/10- Much-wanted WCSM-1350 @ 5:15pm. 10/11- WWVI-1090 6:06pm I&C surprise! 10/13- 2:05am, WVAB-1550 TEST reported, & WERT-1220 TEST (I'd better hear it, hi) @ 2:12. 10/14- 6:15pm, WCCR-1580 I&C, another surprise. 10/15- 5:27pm, WBGH-1440, 5:28 WGRD-1410, 5:29 WMPQ-1390, three in a row, I almost fell off my chair! 6:05pm, WESY-1580, & 6:28 KBOA-830 s/off. Veries: v/q- KFJZ WRIT CFCC WLEK CKLW (wow, hi) WELD (also wow) WHBQ WERH WIMJ. v/1- WSRF WWVI WCOG WJJS. v/r- WLIJ. Talk about fast service on WWVI- heard Sat. eve, report mailed Sun. noon, verie received Wed.! Anybody got v/s for WVOJ WSBP KWCB WMMN? I got my antenna, a 200' longwire, running due E/W up, finally. Now I want to build the new NRC Loop, and then I'll be all set, hi. Totals now 482/45. I enjoyed both IRCA & NRC Conventions, and meeting DXers on my trip in between. If I can, I'm going to try to make both Conventions next year too, even though New York and Vancouver are a little distance apart, hi. Knowing me, though, I probably won't. Well, since DX has picked up a lot, I'm busy most of the time, so 73s for now.

REMEMBER, WE'RE WEEKLY - LET'S BE SURE THAT DOESN'T BECOME "WEAKLY" - REPORT!

DX FROM OAHU by Richard E. Wood

A practical experiment in medium wave reception at two different points on the island of Oahu, Hawaii, was conducted on two successive nights, June 28 and 29, 1969, during local mid-summer.

On June 28, reception was effected in Kailua; on June 29, at Sunset Beach, some 25 miles away. In both cases, a Hammarlund HQ-180 receiver with a spiral loop were used.

Kailua is situated somewhat to the north-west of the extreme south-easterly extremity of Oahu, 11 miles north-west of Honolulu, and separated from that city by a mountain range averaging between 2,500 and 3,000 feet. This range extends to the south-easterly point of the island, and thence in a north-westerly direction towards Sunset Beach, at average heights of 2,500 feet. Assuming that the mountains act as an obstacle to radio reception, best reception from Kailua might be expected to be from the southeast, east, northeast, north, and northwest; with attenuated signals from the south, southwest, and west (see map).

Sunset
Beach



Kailua

Sunset Beach is located some 7 miles south-west of the northern tip of Oahu. The Koolau Range runs directly south-east and to the far end of the Island; not beginning, however, until some six miles inland and not constituting a barrier directly to the east. From the topography, attenuation of signals from the south east might be expected. Another mountain range, with its peak at 4,000 feet, lies some 12 miles south-southwest; some attenuation might be expected from that direction.

Receptions effected on the dates mentioned, when overall conditions were basically similar, were found to be strikingly different in the two locations.

In Kailua, best reception was from the south-east, with numerous loggings from Latin America (Chile, Argentina, Peru, Ecuador, Colombia, Venezuela, plus many Caribbean stations). Among U.S. stations, while California ranked first and Texas second, significant loggings from Florida, six in number, were effected. It may be surmised that south-easterly signals are funneled along the north side of the Koolau mountains into Kailua. Stations from Canada and the Pacific Northwest were quite well audible; but, on many regional channels, Mexican stations dominated, e.g., 1150, 1470 kHz. Empirical observations would lead the listener to believe that he was located off the west coast of Mexico, which is

indeed the location of Hawaii. Only a few Pacific area stations were noted, the best signal being from Tahiti, slightly east of south. Although mid-summer is not the best season for Asian reception, Japan began to come in shortly after local midnite.

From Sunset Beach, empirical observation might lead one to conclude that one is actually located some 2,000 miles farther north, off the coast of Washington or British Columbia. The loudest signals are not, as in Kailua, KDAY, XERF, XERB, PJB, KFBK, and others from California, Mexico, and farther south, but rather CKDA, CJVI, CFCN, KPNW, KEX, KGA, and others from Canada and the Pacific North-West. The Mexican border stations were noted, but XEW alone was noted from Mexico City; XERF was no better than CHUB, and XERB was drowned by KING. From Kailua, at least 8 stations are heard from Mexico City alone, plus various other Mexicans also. The only other Latin American signals were PJB and traces of CMQ. Not a single station from the South American mainland was noted, and there were no split frequencies or even heterodynes indicating their presence even weakly.

Kailua's own station, KLEI with 10 kw on 1130, suffered severely from CKWX QRM in Sunset Beach, and by late evening the 3,000 mile distant station dominated the one 25 miles away.

The dominant stations on certain frequencies, at appropriate times, were:

	SUNSET BEACH	KAILUA
740	KCBS Calif.	KTRH Texas
970	Empty channel	WFLA Fla., KCHV Calif.
980	CKNW B.C.	KFWB, Calif.
1050	CFCP Alta.	XEG
1060	CFCN Alta.	CB106
1070	KNX, Calif., CFAX B.C.	KNX
1090	KING Wash.	XERF
1130	KAYO Wash.	XEJP
1180	Empty channel	CB118
1280	KIT Wash.	KFOX Calif.
1300	KOL Wash.	KYNO Calif.
1320	CHQM B.C.	KUDE Calif.
1360	KMO Wash.	KGB Calif.
1400	None dominant	KPAT Calif.
1450	WEED Ore.	KVEN Calif., KTIP Calif.
1490	KBZY Ore.	KDB Calif.
1520	KYXI Ore.	KOMA Okla.

WCAU, Philadelphia, was the only northern E.C. station observed equally well at both locations; however, at Sunset Beach, it was heard right through KZ00, Honolulu, on the same frequency; such reception is impossible in Kailua. However, from Kailua, several Florida stations were well noted (as well as about 10 Cubans); at Sunset Beach, only a trace of CMQ.

From the Pacific, Kwajalein was significantly better at Sunset Beach, and Ponape, so far only heard once in Kailua, was quite well heard, suggesting that it is a regular logging there; Majuro was about equal at both locations. Reception from the Southwest, therefore, seems to be better than in Kailua; whereas reception from Tahiti, which is slightly east of south, was definitely better in Kailua; Fiji, Tonga and New Zealand, which are somewhat west of south were not noted in either location. Australia, a southwesterly bearing was slightly better from Sunset Beach; reception conditions for the South Pacific did not appear to be particularly good at the time of the experiments, so that these results should not be considered definitive; Alaska, which is due north

IDXD Monitor Reports

Members' Loggings:
 Bob Foxworth, GPO Box 2111
 New York, N.Y. 10001

Telephone Tip No: 212-582-0844. All Times in DX News are E.S.T. 10-25-69.
 Reporters: Please use 8½ x 11 paper, one side only. Please type if possible.

- 540 Mexico. XEWA in fairly strong most evenings after 0000, good ID tape at 0055 10/14. (Rogers, Nqshua, N.H.)
- 587.5 Saudi Arabia. Noted here in Sweden booming in evenings around 1600 EST. (Ericson, Växjö, Sweden) (The 1200 kW xmtr at Riyadh here x-600)
- 620 Nicaragua. YNM has been announcing "620" for years while merrily transmitting on 615. Continued announcing of 620 does not necessarily imply a change in freq. (Wood, Hawaii) (Quite a few LA stns apparently so)
- 640 Cuba. CMQ with US R&B (Rhythm and Blues) mx 2315 10/13, sounded like the music had been taped off-the-air from Stateside stns. (Rogers, N.H.)
- 647 Turkey. Cukurova Radoysu, Mersin hrd 1815-2100 due to Turkish election 10/5; quite good signal but they do not use 300 kW. (Ericson, Sweden)
- 650 unID. Can anyone ID the EE stn u/WSM 2210-2215 10/11? (Rogers, NH)
- 655 El Salvador. YSS, San Salvador hrd 2325-2328 10/13. (Rogers)
- 660 Mexico. XERPm in very well after WNBC s/off at 2400; hrd 0008 10/6 (RjE)
- 660 Cuba. Radio Progreso ID 2350-0000 s/off w/Cuban NA, presume CMGH at Santa Clara, 10/12. (Bill Feidt, Md.)
- 660 New Zealand. 2YC almost like a local at 0600 s/off 10/4 and gave ID only as "These are the Y C stations of the New Zealand Bdstg Co." (Millar, Wa.)
- 670 Guatemala. TGRT, Radio Fabulosa hrd 2358-0007 evening 10/3-4; taped, Cuban QRM underneath and WRKO splash. (Rogers, N.H.)
- 675 Nicaragua. YND Managua s-9 plus 10 db most of the evening. Only QRM was from someone (probably WAPA) on 680, 10/7. (Russ Edmunds, N.J.) Union Radio hrd thru WRKO QRM 0044-0046 10/14. (Rogers)
- 700 Jamaica. J.B.C. w/EE nx u/WLW 0010 10/4. (Rogers)
- 701 Turkey. TAW Istanbul hrd 1815-2100 10/5 ER w/QRM from German. (Ericson)
- 720 China. Peking hrd 1000 10/11 w/Russian svce, repeat at 1100, both times 620, 1120 and some other freqs. (Wood, Hawaii)
- 725 Surinam/Nicaragua. SRS w/EE mx, Dutch talk 2253-2259 10/15; YNS w/mx and talk 2331-2337 10/13. (Rogers, N.H.)
- 740 Venezuela. Radio Maracaibo YVNC L&C 10/2 w/clear ID 2046. (Winsor, Ind.) (Welcome to IDXD, Roger-Ed.)
- ** 746 unID TA. The one in IDXD 10/11 issue must be Holland which has been on the air late, part of an international radio exhibition in Amsterdam. They even had interviews on the air in EE. Operated late 9/22 to 9/27. (Bengt Ericson, Sweden)
- 750 Nicaragua. YNX burying WSB with 20 over s-9 signals appx 2330 10/7 (RjE)
- 750 Venezuela. YVKS Radio Caracas in at 2301-2305 10/8, one ID. (Rogers)
- 765 YVKS Radio Caracas in briefly 0115 10/6 w/ID, male vocals. (Edmunds, NJ)
- ** 770 El Salvador. Hrd w/CST TC "en K-L" 0006 10/15. (Glenn Hauser, Col.)
- Venezuela, Onda Metropolitana de la Radio Nacional de Venezuela, YVKK hrd here every night, very strong w/this anct since 10/1. They are in Valencia and with 50 kW. (César Objío, Dominican Rep.)
- 780 Br. Virgin Is. ZBVI, Tortola hrd w/rock mx pgm in EE, ID as Zed-B-V-I with 10 kW on 10/4, 1910-1930 then fade out. Reported, Ctry. 29 here. (Joe Kureth, Md.) (Welcome to IDXD, Joe-Ed.)
- 800 Neth. Ant. PJB at first time hrd with Dutch 2025 10/8 and into SS request pgm 2030, first time hrd up here at new QTH. (Rogers, N.Hamp.)
- 810 Colombia. HJCY Bogotá strong w/nx 10/4; no WGY. (Kureth, Md.)
- 816 No. Korea. This freq and the 820 outlet still in use simultaneously and carrying the two different Home Service pgms from different locations. (Wood, Hawaii)

NRC's IDXD...Unduplicated Foreign DX Coverage!

from both locations, and where signals enter straight from the ocean, appeared to be equal at both locations. Only a few receptions from Asia were observed at either location, it being midsummer, but northerly Asian, notably Siberians and Japanese were very good at Sunset Beach, but a shade poorer in Kailua.

Further experiments will, in the future, be conducted in other parts of the Island; it is believed that there are areas where little or no North American reception is possible, and where South Pacific stations dominate. The natural area for such reception would be the south shore a little west of Honolulu; but the many local stations and their splatter and mixing products obscure the situation there. The search for a location comparatively free from Honolulu and North American stations will continue.



Address Changes

- Bob Cooper, Jr., 6221 Norman Road, Oklahoma City, Okla 73122
- Neil Dilbeck, 1523 18th Ave., San Francisco, Cal 94122
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- John Hoogerheide, 3 Marquette Drive, Marquette, Mich 49855
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- Page Taylor, 10 Bartholdi Ave., Butler, NJ 07405
- Frank Waldron, 65 Lakeridge Dr., Matawan, NJ 07747

* = Inadvertantly omitted from Membership List.

- 818 Andorra. Sud Radio quite good together w/Poland and Egypt, thanks to new 400 kW xmtr. (Ericson, Sweden)
- 820 Colombia. La Voz del Rio Cauca hrd 0028 10/4 w/net ID, all stns, QRM from WBAP Texas. (Rogers, N.H.)
- 824 unID. Signal here and on 826 quite a het but no audio 0030 10/15. (Hauser, Col.) (That famous guy, D.X. Crush says it's TIOS xmtg double sideband with their 825 carrier suppressed, hi...just a 1 kc TT...)
- 825 Costa Rica TIOS Radio Titania 2310 10/5, good reception. (Russ Edmunds)
- 825 Nicaragua. YNOL Managua in for 2 mins 2247-2249 10/13, unID het also hrd here. (Rogers, N.H.)
- 827 unID. TA hrd 2305-2315 f/out, cl organ mx, no lang or ID. (Feidt)(Sofia?)
- 840 Colombia. Ondas del Caribe HJBI hrd 0119-0123 10/14 w/mx. (Rogers)
- 855 N.W.I. Curaçao PJC2 playing EE rock mx 2155, this something new. Their signal has been very good of late. (Winsor, Ind.)
- 860 Panama. Radio Reforma, Chitré, Provincia de Herrera, Panamá. S/on at 0529 on 10/7, gave the exact time and announced they wanted to receive reports. (César Objfo, D.Rep.)
- 880 N.Z. 1YC logged at the same time as 2YC-660, not as good a signal, but then was using a smaller rcvr and different antenna. (Millar, Everett, Wa)
- 885 Montserrat. Cf. 10/11 IDXD, I very much doubt that Plymouth broadcasts in Spanish. (Wood) (I agree-must have been YNKW hrd here-Ed.)
- 890 Japan. JOHK, Sendai 1000 10/11 with time signal, ID JOHK Sendai dai hōsō" followed by network IS. (Wood, Hawaii)
- ** 895 Iran. Teheran w/new superpower xmtr in Farsi. Good from 1130 until 1530 closedown. (Ericson, Sweden) (A bit early for ECNA reception, should have a chance if it's on late w/special pgms. Never been hrd in USA to best of my knowledge-Ed.)
- 900 Colombia. L.V. de Cali, Cali hrd w/mx 0034-0041 10/4. (Rogers, NH)
- 910 Venezuela. Radio Aeropuerto, Maiquetía, hrd 2154-2157 10/8. (Rogers)
- 920 Alaska. KSRM, Soldatna. Hrd at 0950 s/on 10/11, excellent, fine signal for over an hour, semi-local at times. Place-name pronunciation was consistently Soldatna (rhyme with "hat") and not as "dot" (Wood, Hawaii) (Agrees with Nat'l Geo map, atlas plate of Alaska; this settles it, hi-Ed)
- ** 925 Aruba. Per a tip from Bill Grant, Radio Victoria hrd here 10/15 till 1830 s/off w/religious pgms in EE, anncd freq as 920. Strong signal Maybe a freq change, or a defective xtal in their xmtr. (Blumenthal, Mass)
- 926 Turkey. Izmir hrd 10/5 1815-2100 w/Turkish ER, best of 4 freqs noted here, a s-9 signal, QSA 5. (Ericson, Sweden) (This is probably the best bet for ECNA from this country, along with 647 although Mersin is quite far to the East, along the south coast; Izmir is to the West. Depends on their sked, too. Needless to say, Turkey reception is uncommon here!)
- 940 Venezuela. YVNN Punto Fijo exc at s/on 0458 10/13. (Wood, Hawaii) Punto Fijo s/off at 2302 10/4 w/Venez. NA. (Objfo, D.R.)
- 960 unID. SS hrd AN MM 9/15, good signal w/out Aurora, who? (ERC) (HJHN?-Ed)
- 960 Venezuela. Radio Monagas, YVRB IDing at 2257 10/4 and s/off with NA at 2301; Radio Sutatenza looped out. (Objfo, D.Rep.)
- ** 990 Venezuela. Radio Tricolor. New stn hrd anncg " 990 kilohertz en el centro de su radio" hrd for first time 10/6 at 2109 ID, every night thereafter. It is in Barquisimeto, Estado Lara. (Objfo, D.R.)
- 1010 Colombia. Emisora Mil Veinte, HJBN Bogotá s/off 2246 10/12. (Objfo, D.R.)
- 1020 Venezuela. Radio Margarita, La Asunción, Isla Margarita, Estado Nuevo Esparta hrd IDing at 2255 and s/off w/NA and anncd s/on at 0555 local time next morning (0455 EST); hrd 10/12. (Objfo, D.R.)
- 1035 Haiti. 4VEF w/reliq pgms in EE 1917 10/5. (Kureth, Md.)
- 1050 El Salvador. YSU San Salvador hrd 10/6 w/unbelievable signal for a domestic channel 2035-2045 f/out. Had male/female ancrs w/nx and numerous YSU jingles which were 3 whistled notes, chime, vocal "yay essay ooh"... nobody could have missed that one, hi. (Winsor, Indiana)
- 1061 Turkey. Diyarbakir poorest of all 1815-2100 w/ER, disturbed by Portugal until 2000. Had no sign of the many small 2 kW's in Turkey. (BAE)
- 1079 unID. SS hrd MM 10/6 to appx 0100 s/off, rugged sloopover de WTIC here, anybody ID? (E.R.Cooper, N.Y.) (The Cuban reported 1078 lately?-Ed.)
- 1080 Venezuela. YVQJ Barcelona at 1900 10/7 w/ID as Radio Barcelona and into nx in SS. (Feidt, Md.)
- 1125 Costa Rica. Radio Capital hrd 2330 10/4, Sistema Radiofonico H-B given as ID, mx. (Hauser, Col.)
- 1130 unID. Hrd a HJ-- here with 4 cmcls in a row, perhaps HJAC back on 1129 or could have been HJCO Bogotá as several mentions of Bogotá were hrd; this on 10/6. (Winsor, Ind.)
- 1130 India. Regarding my comment in 10/11 IDXD about info here, latest I can find is from ARC 2/24/69 and states, among other info, "1000 Calcutta B ex-1130, 1130 Calcutta C ex-1540. Calcutta A still on 670. A new 1000 kw xmtr of AIR Calcutta will be on the air in April (1969-Ed.) mainly intended for nightbroadcasts to S.E. Asia." The 1130 outlet carries General Svce in EE until 1600 s/off, incidentally. (Editor)
- 1170 Alaska. KJNP, North Pole. 10/11 0955 SSB, sign-on and hymns. A beautiful signal and enough for a report before local KOHO s/on 1000. This was Alaska #10 on a particularly good Alaska night, with KENI, KJAR, KFQD, KFRB and KBYR also noted at fine strength. (Wood, Hawaii)
- 1178 Ryukyu Is. VoA Okinawa like a local at 1100 10/1 during great Middle-East cx which lasted 10/1 to 10/4. Hörby, 100 miles south of Växjö was only like a 1 kW stn...they are 150 kW! (Ericson, Sweden) (Incidentally did any of you see the map in the N.Y. Times, during the nerve-gas leak scare of a couple months ago, of the island of Okinawa...pinpointing, among other things, the location of this 1178 kHz xmtr and the FBIS monitor station on Okinawa? Mildly interesting...Ed.) FINES 7-19-69
- ** 1180 Venezuela. YVMV, Radio Zulia, Maracaibo 0520 10/13 w/numerous IDs as "Radio Zulia", none as "La Voz del Zulia" so an evident name change. Contrast Objfo's 1080 report, IDXD 10/11 (p.25) of a new R. Zulia. (Wood)
- 1187 Guatemala. TGT, Radio sonora back here, 2315 10/14 to 2330 s/off. (Hauser)
- 1200 unID. SS pgm w/mx, anncg "Radio Tempo" 2000 10/5. (Kureth, Md.) (I think this must be YVÖZ, Radio Tiempo, Joe-Ed.)
- 1202a unID. Separable from TIQ and from 1200 at 1820 10/15 and hrd the rest of the eve. Female anncr at 1840 folo by man mentioning Santo Domingo; fairly quiet SS mx and much talk. Any ideas from M.S. or C.O.?(Conrad)
- 1204 Costa Rica. TIQ, Puerto Limon at 0000 10/13 w/mixed LA and US pop songs and strong het against ORTF Bordeaux. Anncr was in EE but with such a strong (Caribbean) accent and such a mixture of SS words that it was almost unintelligible. At 0030, I hrd this ID, copied word for word from my tape: "The time is correct in our studios, outside we have exactly past 11 o'clock is thirty minutes". They are EE until 1900, then SS until 2330 and then back to EE until 0100 s/off. (Conrad, Fla.)
- 1285 Nicaragua. YNRPS Radio Granada assumed the weak SS, rough freq to separate here as local rockers on 1280 and 1290; 2100 10/6. (Winsor, Ind.) R. Granada hrd 10/13 as usual but a check on the scope showed another carrier that abruptly disappeared at 2100:30. No audio except Granada's hrd. By the way, they play many NA standards and many Radio Granada ID's between records. (Jerry Conrad, Haines City, Fla.)
- 1308 Cuba. Conrad's CM-- also noted here, 0535 10/6 usual Reloj Nacional pgm and good level. (Wood, Hawaii)
- 1310 China P.R. Peking, 10/15 at 0600 Russian svce, semi-local and second loudest Asian after Peking-620. (Wood, Hawaii)
- 1329a unID. Revival Time here, in EE hrd 2200 10/16 and mx folo at 2230. Probably PJA10 drifted to here but too much 1330 to get any ID. Very strong carrier but rather shallow modulation. If it is PJA10, would like to log them. (Conrad, Fla.)

- 1335a unID. LA hrd here, incredibly high modulation, badly distorted but it really cuts through. Hrd with earbuds on 2340 11/12, talk between each selection. Weak signal, s-3 or less. No ID here, but there was a ID here in the past. (MUSE-Ed.) As distorted as this is, it could be a spur from somewhere else, frequency-wise. (Jerry Conrad, Fla.)
- ** 1337 Iraq. Sa'ududh becin' here, poor reception, best around 1200. (Ericson, W)
- ** 1340 Kazakhstan? Now Russian sta here, hrd weakly around 2000, must be an Asian one. (Ericson, Sweden) Probably the same as WOOD's unID here, 11/11 ID'd. WRTV's by Summer Supp, p. 74, lists 1070 (see last week) and 1340 both as new stns in Asia-Asia. Find no listing of 900 (which was previously listed as Asia-Asia) in this source.-Ed.)
- 1345 Kuwait. Hrd hoin' in, usually approx 1300. (Ericson, Swe.)
- 1369 unID. LA here w/instant anncr, playing LA standards all eve 10/12, was strong and easily separated from 1370 but hard to understand due to UCOA splain, looped south. (Conrad, Fla.)
- 1373 unID. LA here, solid copy 2245-2330 on 10/12 except at ID times, 2300 and 2330. Latin versions of standards, doesn't seem to be Taylor's Columbian of 9/27. What? Not Costa Rica? S/off 0000. (Conrad, Fla.)
- 1403 Costa Rica. TR- at 2030 10/10 giving complete Radio Monumental ID. All talk and very strong but no location mentioned. This could be the one on the wave from 075. Anyone know for sure? (Conrad, Fla.)
- 1465 Haiti. La Voix du Nord, 6VEA, Cap Haitien, hrd s/off 2210 on 10/11 and very weak. (Objio, D.Rep.)
- ** 1537 Colombia. La Voz del Petrolero, WJRD, Barrancabermeja, (HIN) at 2130 and now hrd here. (Objio, D.R.)
- 1543 Colombia. Radio Guaya, WJRV, Turbaco, Cartagena, now hrd here, ID'd at 2057 10/11. (Objio, D.R.)
- 1546 Malta. Ye MEDITERRAN: Malta saved here ex-1147 on Sept. 7, acc BBC on 1-neer via ABC. (Ed.)
- 1554 France. ORTF Nice. Hrd a few words of FF appx 0030-0040 10/17 (listing the 1550 stop. Gary Garber, Lincoln, Neb.) (Welcome to ID'd, Marc-Ed.)
- 1562 unID. LA carrier here 0045-0015 10/17, too weak for audio. (Garber)
- 1575 unID. SS off abruptly at 2101:30, SE direction. Didn't think I heard a HA but then I don't know then anyway. (Linear, Ind.)
- 1580 Thailand. Station P.A.K.S. is definitely a major operation, acc our Asian correspondent, and verisign, Seayen Stanaburi. They have something new in broadcasting...a portable wtr site, ni. (JUNIOR MUSE) (any connection with a real report is definitely unbelievable-Ed.)
- 1585 Colombia. Ondas de Rionegro, WJSE, Rionegro hrd 9/7 at 0015 w/pop Colombian songs. (Objio, D.R.)
- 1566 V. Germany. WDR Langenberg (note correct spelling-Ed.) Hrd 0045-0100 10/17, soft ex, SS annts, good at times, very fady. (Garber, Neb.)
- 1593a unID. SS here nightly, no idea who. Signal about right for a Costa Rica one listed 1590 but also a HJH listed for 1595; very lively SS ex and such talk. (Conrad, Fla.)
- Ye OldeVerification Section -----
- 1410 MUSCAT and OMAN. BBC Eastern Relay Station, Masirah Island. Very specific v/1, all details, from I. E. Davey, for C.E., External Broadcasting, London. Note the name, "Eastern Relay Station." (Wood, Hawaii) Of interest, I hope, this station is operated by the Diplomatic Wireless Service. A diesel power station generating 6 megawatts powers the two 750-kW capability wtrs (701 and 1410) and also functions as a water desalination plant. An interesting feature of this station is that the SW pickup receivers are housed in the wtr building; the receiving rhombs are located a few hundred feet away from the MW transmitting antenna. The island is extremely hot, and with high humidity, mostly barren rock. --from Arctic R.G.

Thanks for the continued good support. See you next week. 73, Ed.

Considering that more than 7,000 medium-wave stations are currently broadcasting throughout the world, it's interesting to discover that almost no serious scientific study has ever been made of very long distance MW propagation. While literally thousands of propagation experiments and studies have been undertaken to provide greater insight into shortwave, longwave, and even VLF reception, the MW broadcast band long remained neglected because of a number of historical and technical problems.

The last extensive study of long-distance MW reception patterns of interest to the MW DX'er was conducted by the American FOC in conjunction with C.C.I.R. back in the 1930's. Following an extensive series of measurements of MW signal strengths on paths from North America to Europe and South America, the workers concluded that long distance MW reception was much better on North-South paths than on East-West paths - all factors such as power, antennas, and distance being equal. The difference in average signal strengths between N-S and S-W signal paths was very considerable; on the average, signals from South America ranged from 25 to 50 times stronger than equivalent European signals. At the time this discovery was termed "a remarkable transmission anomaly"; the only explanation then offered suggested that the signals from Europe were somehow being weakened by their passage through the "auroral zone" over the North Atlantic.

With the advent of international programs of cooperative scientific research such as the International Geophysical Year (IGY), and the extensive use of artificial earth satellites to gather geophysical data, it became possible to gather considerable information about the state of the "auroral zone" on a daily basis. During the past few years, a number of members of the National Radio Club and Medium Wave Circle have attempted to compare MW DX receptions with the scientific data associated with auroral events in an attempt to uncover the exact connection between patterns in Transatlantic MW DX reception and events occurring within the auroral region over the North Atlantic. Our primary concern (and a topic of great interest to DX'ers) is the relationship between the auroral region and atypical reception patterns - that is, periods of either very good or very poor MW receptions.

Very briefly, the auroral region affects MW reception as follows. After certain types of solar disturbances, electrically charged particles (mostly protons and electrons) fall or precipitate into the upper regions of the Earth's atmosphere. Some of these particles are dumped out of the Van Allen radiation belts which surround the Earth, and some are actually ejected from the Sun at the time of the original solar disturbance some days earlier. Because these charged particles fall into the atmosphere along the lines of the Earth's magnetic field, most precipitate into the upper atmosphere in a ring-shaped region centered roughly on the Magnetic Pole. The region of greatest precipitation is called the auroral zone; its exact location depends on the level of solar disturbance as we will see in a moment. While very high frequency radio signals can actually be reflected from the auroral region, medium-wave signals are absorbed instead. The main precipitation event produces a layer of extremely high MW signal absorption at a height of about 85 kilometers (about 50 miles) above the Earth. MW signals which encounter this region are very strongly absorbed after travelling only a short distance in the auroral region; the energy contained in the radio signal is converted directly into heat in the upper atmosphere.

Since MW signals travel only on great circle paths, if we know exactly where the auroral zone is on a particular night we should be able to predict just which signal paths will be open and which will be knocked out by auroral absorption. Figure 1 shows the condition of the auroral zone after many days of low solar activity (which are particularly common in years with low sunspot numbers). What slight residual absorption that remains is weak and is located far to the North (the dotted zone on the map). Even MW signal paths which pass far to the North

14 such as the path from Boston to Scandinavia (the solid black line on the map) are "in the clear" and MW reception is unaffected by the auroral zone. Nights such as represented by Figure 1 are quite rare and seldom occur more than a few times a year (September 21, 1969 was such a night). Figure 2 shows what might be thought of as "typical" auroral conditions. Note that the region of auroral absorption extends further to the South; the intensity of the absorption is also much greater than before. Note that some of the TA signal paths will now be blocked by the auroral zone; the signal path shown is the great circle from Boston to Germany - it's just about the most Northerly path that's still open. On such a night the Scandinavian stations are inaudible, whereas signals from stations in Southern Europe are not absorbed at all. Figure 3 represents a period of high auroral activity; note that the auroral zone now extends much more to the South than before. The amount of absorption is extremely intense during such an auroral storm and all MW signals Europe and North America are totally blocked since all such signal paths must pass a considerable distance through the auroral region. The two worst such storms so far this year occurred on March 24th and September 30th; on those nights even signals from semilocal stations were affected by the presence of the absorbing layer which was then directly overhead.

Therefore the exact location of the auroral zone is very important in determining just which set of Transatlantic stations will be audible on a particular night. Or, working backwards, by comparing the TA receptions of MW DX'ers in many different areas on one particular night, we may be able to produce a detailed map of the exact location of the auroral zone on that particular night. This is the basic idea behind this particular listening experiment. The general location of the auroral zone (as suggested by certain scientific measurements such as geomagnetic index and Riometer values) agrees with overall TA reception patterns as indicated by Figures 1-3 extremely well. The purpose of this experiment is to gather enough observations on TA receptions for one night to enable us to locate the position of the auroral zone with great accuracy on one particular night. The position of the auroral zone thus measured will be compared with the scientific data gathered by research installations and earth satellites on that day; from this we hope to gain more understanding of the relationship between MW reception patterns, the position of the auroral zone, and various geophysical measurements. Another result of this experiment will be an indication of just how well the auroral zone follows the Earth's magnetic field - that is, whether the Southern edge of the auroral zone is smooth as shown on our drawings or is somewhat "ragged".

▷ what to do

This particular listening test will be very simple; depending upon how the results turn out we may either repeat the experiment some time in the future or modify the procedure somewhat.

Beginning around or slightly prior to the time of sunset in North America on November 7th (about 1650 EST or 2150 GMT that date), simply keep a careful record of which Transatlantic medium-wave stations are audible, together with an indication of how well they are heard on that night. If you are an experienced Transatlantic listener, we'd also like your personal judgement on these TA receptions - that is, whether a logging is uncommonly "good" or "poor", or about "average". From this subjective data we hope to get some idea as to whether or not the test night was typical or not. The test period will continue for 8 hours until 0050 EST or 0550 GMT on November 8th; by that time dawn will be occurring in Europe. All Transatlantic receptions that are made on the test night will be important data for this experiment; in the event that you log a station and are unable to identify it, supply us with program details and times and we'll see if someone else identified it - we'll let you know promptly by return mail in such a case.



Fig. 1.
Auroral quiet.



Fig. 2.
Moderate activity.



Fig. 3.
High activity.

Transatlantic stations to try for during test:

(All but one of the following stations have already been heard with good signals in North America this year. We have divided these best bets into three groups representing high, medium, and low latitude signal paths; naturally the signals from the high-latitude stations may be inaudible if the auroral zone extends relatively far to the South on the night of the test.)

- * indicates that the station remains on the air nonstop all night; otherwise most of these stations sign off around 1900-2000 EST.
- \$ indicates a high power station which should be easy to hear if conditions are even moderately good that night.

HIGH LATITUDE PATHS:

- 1525 China. Radio Peking Russian language service; this is the highest latitude path heard in North America.
- \$1313 Norway. All Norwegian language; usually strong when auroral activity is low.
- 1223 Sweden. All Swedish language; may be strong but suffers strong interference from Spain on same frequency.
- 962 Finland. Finnish language; usually bad interference from strong station in Tunisia (in Arabic) on same channel though.

MEDIUM PATHS:

- \$1586* Germany. German language; this is the most powerful station in the medium-wave band.
- \$1554* France. All-night music program in French.
- \$1466 Monaco. Monte Carlo in French.
- \$1214 England. BBC in English; may have bad interference from Albania on same frequency.
- \$782 Portugal. Usually very good level in Portuguese; lots of recent popular records. May be some interference from Germany on same channel.
- \$737* Spain. Barcelona is usually very strong if you can escape the interference from CBL on 740 with a good receiver.
- 683* Spain. Not quite as strong as Barcelona; all in Spanish.
- 647 England. BBC, sometimes good before WSM on 650 gets too strong.

LOW PATHS:

- \$935 Morocco. Usually extremely strong every night in Arabic until signoff at 1900 EST. Also a German station on same channel.
- \$764 Senegal. Dakar is usually very strong in Arabic and French before signoff at 1900 EST.
- \$548 Algeria. Usually strong in Arabic early evenings.
- \$529 Morocco. Quite strong in Arabic if you can tune this low.

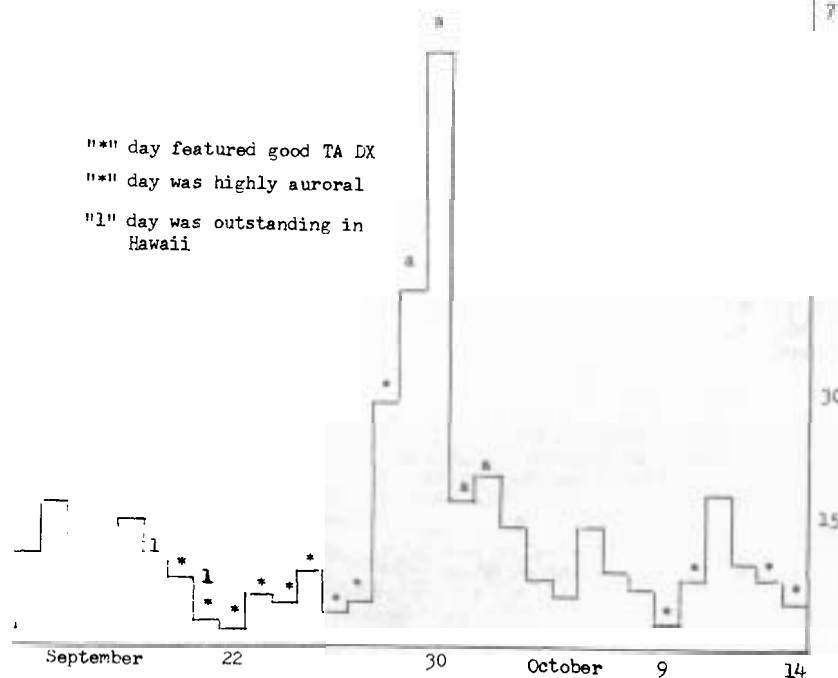
Please send all loggings for the test period to: NRC TALT, Box 99, Cambridge, Mass. 02138.

INTERNATIONAL DX DIGEST



Propagation & features
Gordon P. Nelson
19 Irma Avenue
Watertown, Mass. 02172

DX conditions during the past few weeks have continued to improve on TA paths following the major auroral storm of September 29-30. We appear to have experienced a period of extremely good TA reception on October 19th and thereabouts; we will hold off with the detailed description of conditions until next week when we'll be able to better follow the recovery from the big storm. The following graph shows the value of geomagnetic/auroral disturbance as measured by the Fredericksburg Afr index; data supplied by ESSA. High values of Afr correspond to the initial phases of a major precipitation event (see short article on this phenomenon on page 13).



18 DOMESTIC DX DIGEST

Randall Kane
130 Beacon St.
Boston, Mass.

02116



AFTER HOURS DX

- 790 KGHL-Mont "Good" mx pgm w/ID at 0054 10/13. (Gray Scrimgeour)
- * 910 KPHO-Ariz 10/6 0400+ w/wx o/u OC. (Dave Fischer, Lincoln, Neb)
- 930 WKY-Ckla u/BC stns 10/13 at 0110 & o/a PPT stn mentioning Los Angeles (KHJ, probably). (Gray) Letter format identical to WRKO/CKLW etc? (LW)
- 940 KPRE-Cal Weak at 0202 s/off ID 10/13, w/2 other western stns (1 C&W, possibly KHOS). (Scrimgeour, Ont)
- KIOA-Iowa Had OC ET w/ID at 0200, 10/13. (Scrimgeour)
- WYLD-La S/on 0300 MM 10/13. (KGS) Huh? (LW)
- 1070 KMK-Cal w/IDs & nx well atop 0151-0158 s/off 10/20. (WRYT)
- 1100 unID Possibly KFAX w/religious pgm 0308 10/13, weak. (KGS)
- 1220 CJOC-Alta On top by 0235-0245 10/13, note later than CKDA by 1 1/2 hours. (Scrimgeour)
- CKDA-BC Easy thru CHSC's OC & CJRL's 0110 s/off 10/13. (KGS)
- *1240 KAVE-NM 10/11 0130 ID & TT during unlisted f/c; previously hrd on 2nd harmonic. (Glenn Hauser, hrd in Colo but presently in Oklahoma and headed for Thailand. Good luck!)
- +1280 WDSU-La S/off 0008 10/5 w/SSB. (Fish)
- +1300 WFBR-Md S/off now 0100. (Frank Waldron, Matawan, NJ)
- 1360 WNNJ-NJ TT ending 2335 10/10, at WRYT. (Marc DeLorenzo)
- 1370 KXLF-Mont 0106 10/11 talking o/SSB at s/off!! I find this rather offensive. (Hauser) They were probably standing up.. .. were you? (LW)
- +1380 CFDA-Que S/off 0100 SM 10/12, gave s/on as 0700. Note: may be a late SM s/off, like many FFCs. (Waldron, NJ)
- 1450 WMAJ-Pa ID at 0100 10/20. (WRYT)
- WHSC-SC R/c-TT ID hrd 0044 u/unID RR 10/20. (WRYT people)
- CHUC-Ont Sports, ID, wx 2314 10/19. (WRYT)
- *1510 WMEX-Mass Was not on RS MMs 9/29 or 10/6; rk, what did you listen to? (Waldron) WECB, of course. Per Geoff Fox, was doing 50kw XR maintenance & should splash more now. (LW)
- 1550 WBER-Md ET/mx ID hrd 0104 10/19 after WKBA ET s/off; RR. (MD)
- WVAB-Va IRCA DX barely hrd u/OC 0223 10/13 w/continuous IDs, asking for reports. (Hauser) Cf. Katz in 10/18 DDX; not hrd here shortly after 0200. (LW) (Waldron)
- WREG-Ga Ex-WCIK was using this call by 9/28 ET/mx at 0112. (LW)
- 730 KSUD-Ark S/on 0645 f/by relig pgm 9/28. (Fish)
- KTRY-La S/on 0649 no SSB f/by mx 9/28. (Fish)
- WARB-La S/on 0648 w/SSB f/by KTRY QRM 9/28. (Fish)
- KWOA-Minn S/on 0658 no SSB f/by mx/wx 9/28. (Fish)
- KWRE-Mo S/on 0645 SSB f/by mx 9/28. (Fish)
- 920 KTLW-Tex 9/25 0623 mx (Fischer, Nebraska)
- 1250 WREN-Kans 10/6 s/on 0458 SSB. (Fish)
- WTMA-SC 10/6 0451 in w/TC & ID. (Fischer)
- 1390 WTJS-Tenn 10/6 0514+ in w/mx-wx etc. (Fish)
- 560 WQAM-Fla Hrd o/almost nonexistent semilocal WFIL 10/7 2302-8, excellent. (Russ Edmunds, Wayne, NJ)
- 610 WIOD-Fla Even w/semilocal WIP all eve 10/5-6. (Edmunds)

THIRD CLASS MAIL

- * 830 WNYC-NY Was on til 0005 10/8 w/results of Brooklyn primary elections. (Edmunds)
- * 930 WHAN-Fla S/off never later than 1800, 1700 Sun. (Jerry Conrad)
- 1110 WSPW-NY 1708 10/20 hrd w/nx. (Fox, Mass)
- 1120 WWOL-NY End of Public Affairs pgm into C&W 1723 10/20 o/WUST.
- *1130 WPUL-Fla S/off Sun 1730 (early). (Conrad Haines, City, Fla)

SCHEDULES

- + 870 WEAR-Mich CP is on. (Edmunds, NJ)
- + 920 KPNP-Iowa Via Broadcasting, has lost license & has complete stn for sale (all of part); guess we can safely cross this one out. (Jerry Starr, Youngstown, Ohio)
- + 980 WONE-Ohio CP for U2. (RJE)
- +1130 WMGA-Ga CP is on here, Dir South at night w/250w. (Conrad)
- *1360 WINT-Fla Has been off days w/ETs evenings, OC/mx & no IDs. (JKC)
- +1370 WFEA-NH Now 0400-0000(2300), yay. (Waldron, NJ)
- +1390 WAVP-Fla Is probably permanently off, no plans to return. (JKC)
- +1450 CHUG-Ont 0500(0625)-2315, per 10/12 s/off. (Waldron)
- +1480 WAPG-Fla Is not on. (Conrad, Fla)

The tips credited as "WRYT" are the fruit of a G.J. Fox/Marc DeLorenzo DX session on MM 10/20. You see, boys and girls, all-around nice guy and benevolent though now inflated Geoffrey lives there...in order, of course, to host publishing sessions. That's all...

Reading Time: Two hours.

SAUGUS, MASS. (LWS) IN AN UNPRECEDENTED ACTION, THE OFFICIAL NRC EXPEDITIONARY FORCE LAST NIGHT CLAIMED PREVIOUSLY UNEXPLORED SECTIONS OF LYNN MARSH. LED BY PETER GOWAN OF STUART STREET FAME AND BY ADMIRAL G.P.NELSON, THE GROUP INSPECTED ANCIENT RUINS AND COMPARED THE STRANGE FOLIAGE TO THEIR OWN. GOWAN WAS QUOTED AS SAYING, "WOW", AND NELSON'S COMMENT WAS, "LET THEM TRY THIS IN JRCA!" RK140OEDT10/18-0-



NRC NEWSROOM

**Paul Gough, P.O. Box 263
Wallingford, Connecticut 06492**

The old saying "no news is good news" does not hold true for the NRC Newsroom. The more the better. Next deadline is Sunday Nov. 2 for the Nov. 8 issue.

Music 'Til Dawn reaching Sunset

American Airlines has announced that its award-winning program of good music is not being renewed by four CBS-owned stations when the current contract expires at the end of the year. The reason is the stations, WCBS, WBBM, KNX, and KCBS "plan to expand their present news programming format throughout the night," according to AA.

According to the company, discussions are currently underway concerning the future of the program which is also broadcast over WEEI, WJR, KRLD, WTOP-FM, WLW, and KOPM. Among the alternatives being considered, the company said are other AM stations as well as FM.

(American Airlines)

A couple of TV-radio guides from "down under" contain the following interesting bits of information about radio there:

- 3XY started Sept. 15 a dating game in which listeners fill in data which will be fed to a computer which will select 100 couples. The couples will meet at a discotheque where they will be hosted for an evening by XY announcers.
- Speaking of announcers, Keith Livingston of 3KZ has resigned after seven years to be of all things a taxi driver.
- 3KZ has just completed the second stage of a \$100,000 new studio project. The two new studios, among other things have a high-fidelity program monitoring system and a compact light annunciator panel built into the wall to alert announcers to news bulletins and time "pips."
- XY seems to be the station for swingers. Six lucky ladies were to be treated to a "fun lunch" in a Melbourne wine cellar. "It's a feature specially for the groovers and will become a regular, fortnightly rendezvous," said the paper. (Listener in-TV--via Chris Hambly)

Petition Campaign Started Against Bee's in California

A campaign to gather some 200,000 signatures to convince the Federal Communications Commission that the McClatchy Newspapers hold a monopoly of news was started in late September on the west coast.

The company owns the Sacramento Bee, The Fresno Bee and the Modesto Bee, as well as two television stations and seven radio outlets, scattered from Reno to Fresno. The AM stations are: KFBK, KBEE, ~~MM~~ KOH.

According to a comment in the Modesto Bee, the action by a local businessman resulted from "his inability to silence fair and needed editorial comment made by the Sacramento Bee. (Hardester)

RANDOM THOUGHTS ON THE CONSTRUCTION OF A FET ALTAZIMUTH LOOP ANTENNA

by Russell J. Edmunds

First, let me establish the premise that all NRC'ers should endeavor to obtain a FET altazimuth loop, since with the advent of the loop kit, there is no good reason whatever for denying oneself this necessity. There are, however, several variations which can help to alleviate some of the drawbacks to a loop, of which, perhaps the physical size of the loop is the most important. The mounting of the loop has a great deal to say regarding the amount of space it will take up. While it is presently impractical to attempt to make the FET altazimuth loop conveniently portable, it can be made semi-portable, or at least moveable. This can be done by two methods. First, is a method which was demonstrated at the 1969 Convention by Duane Giese. This is the concept of employing a tripod as a mount, which is done by purchasing a folding antenna base (Allied Radio part number 11B 2043W for example), and obtaining a one-foot length of 1" inside diameter steel pipe. The pipe is held into place at the inside of the antenna mount by means of the setscrews supplied with the mount, then the dowel of the loop is slipped into the pipe.

The other method is to purchase the same section of pipe, threaded both ends, and a pipe fitting known as a floor flange. This attachment should accept the thread on the section of pipe, and can then be bolted into a 2 foot square piece of 3/4" plywood. This gives a solid mount for a loop, which can be made moveable by the addition of plastic casters to the underside of the base. If these casters are positioned even moderately carefully, there should be no problem of stability.

Another problem which has plagued loop builders in the past is a convenient way to avert the friction problems generally encountered in the rotation of the loop itself, as well as in the tilt arm for the altazimuth loop. This problem is neatly solved by the procurement of a type of liquid plastic known as "Varathane". This product is produced by a company called "Flecto" and is advertised as a liquid plastic especially suited to coating wood. It appears to be almost totally frictionless, and in addition, it is impervious to almost everything from acid to abrasives. Furthermore, it can be used to coat the entire wooden superstructure of the loop to retard warping or other undesirable dimensional changes.

Still another problem, although less severe, is in the length of the transmission line used in balancing the loop. The specified length will probably be a bit short, and the reader is advised that this does not mean the end of the world, it simply means that you should try to purchase about twelve feet of auto antenna cable, either in one section, or in two. DO NOT try to couple two shorter lengths. This will allow a transmission line of up to six feet, which should be all that is necessary.

Finally, do not despair if you have built a loop without the FET amp, and your Q-spoiling potentiometer (component "N" in original plans) seems to be ineffective. This is because this item is designed primarily for use with the FET, and is inserted in the plans because it is actually a part of the basic sans-FET loop circuit. With these thoughts in mind, you may well find that you are even more pleased with your loop than you would have been without them.

RICHARD RICHMAN - 14 East Cheshire Place - Staten Island, New York - 10301

CX continue to be very good. AM of 10/5 found an SS topping 960, but no ID heard. U/SS was an EE announcement that Hurricane Inga would probably miss "us", according to the latest advisory; I'll chalk it up as Bermuda, tentatively. A good graveyard catch came @ 10:59pm 10/5. This was WCML-1340 in well above the mess, s/uff heard. Long-wanted WLOF-950 Fla. heard u/WPET w/rr @ 11:35-11:42pm. Minutes later, an SS heard on 1480. The ID @ 12 in both SS & [redacted] assured me I had logged a new country: Puerto Rico. This was WMDD. Same AM (10/8) found WKYE-1550 Tenn. testing w/c/w @ 12:28-12:32am. The s/off of WAZL-1490 rose out of the Pa. graveyard @ 12:15am 10/11. SSS on 10/11 found WJEJ-1240 Md. w/"This is Radio Hagerstown" ID @ 5:29pm o/local WGBB. SSS 10/12 brought three new catches: WINX-1600 Md. u/local WWRL, w/contest offer @ 5:18pm. WCOJ-1420 Pa. logged @ 5:15pm w/religious program in spite of WJNR slopover. A station heard w/NX shortly after 5pm u/WJNR, but not IDed. A N.J. station that had long eluded me was caught @ 5:29-5:30pm, WNVB-1440, w/instrumental mx & s/off. MM 10/13 was eagerly looked forward to w/two TESTs to shoot for, & no work all day 10/13. New logs taken on KGV & WLOB, both in nicely; neither verified earlier reports. WWDG-1260 D.C. heard @ 12:48am w/safe driving message. CFON all alone on 1470 @ 1-1:03am w/auto ad, and rr. A pleasant surprise was a listenable WABJ-1490 Mich. w/instrumental mx & ID @ 1:15am; mu first Mich. graveyard. CJRP-1060 Que. w/FF announcements, but EE song @ 1:42-1:45am. Much-wanted XELO heard u/CKLW w/"Record Roost" "coming to you from Mexico's fourth largest city" @ 1:53am. Before trying for the Specials, I made one last check of the dial for 2am IDs. What I found was one of the highlights of 1969; WMCA was having an SP. Thanks to the situation, I logged CFRA-580 Ont. w/NX/WX 2-2:02am, & on 570: itself, was WKEN w/NX followed by c/w, 2:03-2:08am. The WERT TEST heard w/marches @ 2 12am, several IDs heard, including the conclusion of the TEST, but XEB was giving them a rough time all the way. Our neighbor to the S was all over the dial that morning: 540 800 900 1220 1050 1570. The WVAB TEST was heard w/frequent IDs & TJB mx @ 2:21am to 2:25. The signal was excellent...

BERNARD DUFFY - 350 Richmond Terrace - Apt. 1P - Staten Island, New York - 10301

The new format of DX NEWS is a great improvement over the previous one. The "list of stations" is also a wonderful improvement and is surprisingly inexpensive. Stations that recently sent me attractive postcard verifies were: WCKY WFMJ WGY WTOP WKBN & CHNS. WVCU's is plain. Recent v/ls came from: CKCY WTDQ WPMO WCVR WEMJ WAFI & WETS.

HAL ROBLE - 273 South Street - Medfield, Massachusetts

The new bulletin size is welcomed here as an improvement - easier to handle and file and similar to the old Radex. It's hard to beat the BPC, hi! Sorry to have missed the ST. LOUIS Convention. Plans were made early in June when I wrote Dave Carlson, but I had to be changed at the last minute so I called The Parkway 8/28 to cancel reservations. CX improving of late w/many of the regular TAs and Caribbean stations on the dials, but no new countries here for me. I visited the Maritime Provinces in August and noted a few of the radio stations, but no time to tour them. I did photograph CFY, Charlottetown, PEI, however, as it was a real thrill when I heard and verified them on a \$15.00 RX back in 1940. I hope to be able to find a little time for DXing this season & an occasional contribution of value to IDXD pages. 73.

RON CHRISTEN sends us the BUFFALO BILLS' FOOTBALL NETWORK:

WNY-790 Watertown; WVCU-870 Ithaca; WBEW-930 Buffalo; WENY-1230 Elmira; WJTN-1240 Jamestown; WUSJ-1340 Lockport; WSAY-1370 Rochester; WFBL-1390 Syracuse; WDOE-1410 Dunkirk; WHDL-1450 Olean; WBTA-1490 Batavia, & WGO-1590 Salamanca, NY.

HEARD SINCE LAST ISSUE: WINH, new XR site (NRC) (frequency not given).

EVERYBODY- PLEASE BEGIN MUSING- BUT PLEASE REMEMBER WE HAVE A 30-LINE LIMIT!

GEORGE KELLEY - 118 White Street - Belmont, Massachusetts - 02179

CX seem to be improving. Most of the stronger TAs are back, but the LAs are still putting in tremendous signals. I've been trying to get an Argentinian during this period of Auroral CX, concentrating on 950 & 1070. No positive IDs yet. Other DX: 10/8- WKYE-1550 Tenn. heard w/ET & c/w mx @ 12:25am, concluded @ 12:30. 10/12- WSRF-1580 Fla. ID @ 11:25pm, very weak, sounded like rr format. 10/13- TIQ-1203 Costa Rica very strong @ midnight in EE w/pop mx. ORTF-1205 France also noted good @ 12:05, un. KVOO-1170 Okla. noted fair at 12:30 w/tele-talk show. Now for those Specials: WERT-1220 Ohio was heard @ 2 w/a fair signal, however, the Mexican was really clobbering him. When I looped XEB out, CJOC Alta. was on top, so WERT was not dominant on 1220. I needed CJOC anyway, fringe benefits of that TEST, hi. WVAB-1550 Va. was heard w/a very strong signal @ 2:05. I did not try for the Wyo. TEST @ 3, because 950 looked a mess. I wonder if...? (Nope, hi -ERC) Meantime, back at NRC publishing session, the crew was hard at work. When I left the latest session I had to put my trusty Volvo on automatic pilot. Pardon me while I roll another. Good DX.

RON CHRISTEN - 30 Lucille Drive - Cheektowaga, New York - 14225

MM 10/13 was excellent here, w/stations as follows: TIFC-1075, San Jose, C.R. heard w/s/off @ 11:34pm in EE. CKDA-1220 @ 12:20 made B.C. officially heard here. TT from KKRA-1490 Minn. in @ 12:40 w/frequent IDs. KOMO-1000 in C 1:01 for first Wash. heard, report out. WVAB Special logged @ 2:07am w/excellent strength and many IDs. While trying to log the KMER Special, KIMN-950 was heard for Col. #2. Also heard (tentative): KJR. CJOC-1220 Lethbridge, in 3:15-3:34am for report. Also 10/13, XEROM-660 QMDC-770 & YVOD-780 were logged. Totals new stand @ 638 heard. Tentative logging also on 10/13 of KOYN-910, Montana, @ 2:56am. Local NRCer F. Osterman told me to go to 910 via the land-line, but all I got was the TT (Fred got a code ID earlier). Much of my DX 10/13 must be attributed to F.O., and vice-versa. We check in every half hour over the phone, exchanging tips. We will check in more frequently as soon as I get a phone in my room. So far this system has worked with excellent results. To close, I'll say that I will gladly correspond with anyone. See ya in 7.

WILLIAM B. FEIDE - 9931 Glenn Dale Road #303 - Lanham, Maryland - 20801

Not too much to report this week DX-wise. I did manage to get a ticket to see those amazing' Mets up in Baltimore on Sunday in the second game of the World Series. Usual TAs are back in now & have even noted one or two unusual (for me). DX: 10/12- UnID TA-827 from 11:05-11:15pm w/cl organ mx, but no ID or talk and faded after 11:15. I thought this might be Sofia, but I heard nothing else this AM from that far East. CMGH-660 Santa Clara from 11:50-midnight w/ID as R. Progresso & s/off w/Cuban anthem. 10/13- XERPM-660 Mexico D.F. from 12:01am after CMGH s/off w/program "La Hora de Mexico" or "La Musica de Mexico" and EE mx selections. CSB2-1034 Lisbon from 1:15am w/man w/talk in PP, bothered by WHO splatter. UnID SS-1502 w/soft slow SS mx from 1:35am, any ideas on this? Seems too early for Canaries and might be an LA. WERT-1220 Van Wert, O. from 2-2:30am w/TEST & easily recognizable march music. I had QRM on this one from CJOC/CKDA (also new one for me) & XEB. WVAB-1550 Virginia Beach from 2:10-2:15 w/continuous recorded ID & TT - made tape of this one so I could concentrate on more difficult WERT. At 2:30 I tuned down to 950 and noted WPM @ S-9plus 20 & decided KMER would not make it, so I went to bed. TAs were noted on 845 881 782 935 944 1466 (exceptionally strong) 1205 & 1554. Unexplicably, missing here was 1586 this AM. WERT's march music was easy ID material, but there was not much variety for program details for report. I transcribed announcements word for word and used that, since I didn't know the names of the matches. 73 and C U N 7 or so.

WALT BRUWILLE - 9127 Coral Drive - St. Louis, Missouri - 63123

Hi all. We were indeed lucky that we had a relatively low static level during the MM DX session at the Convention, for ever; since the noise

level has been rather bad w/poor DX CX until last weekend (10/12) when a cold front passed through here & put an end to the static. I'm gradually getting back to fishing the medium waves again. Latest results are: 9/8- I logged the f/c of KKRA-1490 Mimm. 12:30-1am. IDs were frequent, prompt v/1 back, stated this is an r/c (unlisted), second MM of each month at this time. SM 9/14 I found an ET from WBIU-1483 Salem, Va. 1:05am. 10/13- WTPR-710 Paris, Tenn. w/o WHB @ 6:16pm s/off. 10/16- KSEB-750 Durant, Okla. quite good @ 6:55am, then @ 7:04 KMMJ Neb. was IDed w/KSEB. I was glad to hear that the proposed Postal Corporation plan lost a round in the House last week. For those of you who don't know, this Corporation would operate the Post Office completely independent from Congress and pay its own way without the large (over 1 billion) subsidy from the government that it gets now. This means that unless the brand-new Board of Directors in the Corporation find a way to make up this deficit, and experienced postal workers will tell you they see absolutely no way how without raising rates & cutting services, we'll be paying ~~greatly increased~~ postage in the future if this Corporation goes through! Perhaps we can help kill this threat to NRC & all radio clubs for good by writing our congressmen demanding the Plan (H.R. # 11750) be completely scrapped, and urge Postal reforms & improvements through the Dulski Bill (H.R. #4) which provides for Postal reform within the present framework of the P.O. Dep't. remaining under control of Congress. Well, I wish all of you a real good new DX season, & 73s.

DICK TRUAX - 3472 Dixiana Drive - Lexington, Kentucky - 40502

The great Aurora of 9/29 has so far yielded me 36 new loggings as of today 10/13. First sign of Aurora-like CX was evening of 9/29 when semi-locals WCKY-1530 & WLAC-1510 had very fast flutter beginning about 9pm. MM 10/6 was a washout w/much static & no luck w/KIDO KOMW & KBGN Specials. MM 10/13 was more fruitful w/seven new catches. KBUY-1540 Tex. noted w/Clenn Campbell Show c/w w/lone ID @ 1:16am o/KXEL. WEDC-1240 Ill. noted @ 1:45am w/SS ID & mx; WERT-1220 O. in fair to good w/march mx o/XEB @ 2:03am. WVAB-1550 Va. TEST in like a local @ 2:05 w/mucho IDs; WCVU-1350 Va. o/WSLR @ 2:34am w/KX & rr; KOGL-930 Ariz 63am w/ID & CBS NX. To Hoogerheide in Mich.: Your WKID is now WCCR as of at least 8/15. Count me in as a potential purchaser of any future PET Albatraz-muth Loop kit! With this last Aurora my total logged since 2/1/59 has been boosted to 859, within striking distance of my goal of 1000 by 2/15/70. The outlaw on 1610 from Cincy is now using call of WTPR - this should be easy for anyone in Midwest on Sat. & Sun. eves from 7-10pm at least. No sign of CP of WREM-1000 in Jenkiné, Ky. yet.

RICHARD E. WOOD - Honolulu, Hawaii - 96822

Verifications: KYJC-1230 Ore., which observed, "My God - what a distance!"; JTRB-860 & KOMY-1340, Cal.; KSO-1460 Ia.; KXRB-1000 S.D.; KUHL-1440 Cal., first from Hawaii, & I presume the most distant; KRKD-1150 Cal. first from Hawaii & probably the only one as due to change calls soon; WAZE-860 Fla., most distant report; I regard this as one of my best, being my first low-frequency verie at u/lkw.; CKVL-850 Que. for a new province, a very specific v/1 in beautiful FF for report in same language, KVON-1440 Cal., WVAB-1550 Va., most distant report, previous best was San Diego; Va. #2 and one of my best. NA DX excellent in first half of Oct., and reports out to KAOR-1340, KUZZ-800, KNCR-1090 Cal., KFKF-1540, KBKW-1450, KUJ-1420, KIMA-1460 Wash.; KGAY-1430 KFIL-1590 Ore.; KIKK-650, KBOR-1600 Tex.; KOKA-1550 La., KCB-1390 Ia., CHML-900 Ont., CJIC-1050 Ont., CKXL-1140, KARK-920 Ark., KEMV-1240 Mont., plus Alaskans, etc., for which see IDXD. It is interesting to compare Bowab's observations in Cuba, and my own in Haiti, Curacao, etc. as well as other reports from Guatemala, S. Mexico, etc. where few or no U.S. signals are listenable, w/Hawaii, where @ 2400 miles, from U.S. mainland, more U.S. signals are clearly listenable, nights, than any location I have tried inside the continental U.S.

LET'S HAVE THOSE MUSINGS, BOYS - BUT LET US REMIND YOU - THE LIMIT IS 30 LINES!

JOHN JAVETSKE - 104-21 122 Street - Richmond Hill, New York - 11419

It's a long time since my hallowed words have been mutilated by ERC's typewriter, so I guess a re-intro is appropriate for the benefit of all fledgling NRCers. I'm 19 and a student at Brooklyn Poly Tech majoring in Electrical Engineering, entering my fourth year in NRC. I've compiled totals as follows: 1,113/336, 10/7, 46/43, & 41/19. DXing will be curtailed this season due to a heavier workload at Poly, but I hope to twiddle the dials occasionally, especially on MMs. RX here is a 1966 Lafayette HA-700 w/a 43" box loop & by the way, Richmond Hill is in Queens County, a borough of N.Y.C. in which both WRKO & WERA are audible days so draw conclusions from that, hi. As far as recent DX goes: New WWLE-1170 N.Y. has been heard w/O days from 5am till 5SS, first noted 10/5. More on this later. 10/8- R. Sutatenza-960 was 20/o, sure sounded like 125kw. Last MM 10/13 produced a loud Cuban on 770 @ 1 as WABC off by 12, as well as WNBC. On 1220, the channel of the AM, a CBC net ID was heard @ 1:29; who could this be? No IPRTs on 1220 & no affiliates as far as the Log shows. C1 mx followed this & u/this a 98.5 FM spot @ 1:31 & a comedy program to 2, culminating in the s/off of CKDA-1220 B.C. @ 2:05 u/WERT TEST. This was my 10th province. CJOC followed w/a rr ID @ 2:06. Umm WVKO-1580 s/off @ 5:55. 10/14 AM: Cuban on 1308 noted @ 12:09, WBCT-740 TEST was quite weak but loggable 11:40-11:50pm on 10/16. V/1- CHYM WIOC WCIK (now WKG0) WNEB WCRO & v/rate card from WDAD. On 10/15 NRCer Doug Lamerson, home on leave, & I journeyed up to Cornwall to find WWLE. After finding no studios in Cornwall, we went back down to Beat Mt. & then N on the Thruway. Finally spotting their four towers W of the Thruway in a valley S of Cornwall, it took us a few hours to find them again, taking secondary roads ending up on an abandoned R.R. bed o/a ridge onto a path. Their target date is now 11/1 & will be MoR. Major lobe is N into Poughkeepsie w/a NULL towards Cornwall! Talk about monopoly: Their GM set up WTBQ-1110 N.Y. & is a big wheel at CPs WDJZ & WELA-1530, as well as the 1170 CP in Mechanicsville, N.Y. C.E. Bob Maines will answer all reports & says r/c will be first Sat. at 12 local time & WGNV-1220 r/c is third Thurs. @ 12, both w/Cambridge.

BILL ALLISIAUSKAS Jr. - 7 Avenue B - Haledon, New Jersey - 07508

Hi gang! I figured it's about time for a Musings again. Things are still slow here DX-wise due to many reasons, but one in particular: Brenda, hi! (A girl or a hurricane, Bill? ERC) Anyway, DX looks like this: 10/14- WFSR-1380 s/off @ 5:30pm like a local, w/no sign of WAMZ, also on 10/17, WWMT-620 @ 5:10am while in car about a mile from here; I figure it's close enough to count, no? And finally today 10/18 @ 4:58pm I heard WCDQ-220 for call change from ex-WDEE. No new veries since no new reports are out, hi! Oh, for all who missed WKEW's production of "War of the Worlds" last year due to CX and want to hear it, they will re-broadcast it again in original form on Halloween night, probably @ 11pm like last year. I sure hope CX are good this year! Also I won a pumpkin-full of candy on WALL's "Super-Ghou!" contest today, & was interviewed briefly on the air by D.J. Gene Pelh concerning my hearing them so clearly in Haledon. As discussed before we went on the air, he asked again what organization I belonged to, what type of RX I had, etc. Doubtless to say, the NRC got a good plug in Orange County, N.Y. today, hi! Well, that's about all there is from the disaster area of North Jersey, so till next time 73s & good DX

FRED GSTERMAN - 436 North Forest Road - Williamsville, New York - 14221

I wasn't in the mood for any DX in September, due to our loss of Ralphie, who got me into NRC. I really miss our bi-weekly gatherings down at his DX Den w/Ken & Chuck. Ralph did so much to promote the hobby, and better station-listener relations. Not too much foreign DX here, just YSCF YSS TIFC & of course TIQ! Some almost nightly. Fair MM on 10/13: KXRA on f/c 12:32 good, KOMO-1000 Seattle good w/MoR 1:05, KOYN Billings, Mont. Lkw.D believed to be one w/CW IDs as per r/c list, KJR also returning early this year. CKDA B.C. w/spots 1:03 also. QSLs slow: v/q- KOMO KKH WHK WHB. v/1- KNYO. States now 43/40. Looks like a good season ahead! Good DX to all.



Norm Maguire
1420 Columbia Drive NE
Albuquerque, N.M. 87106

Rank of DXer			DXer	Location	For.	North America	Best
Overall	T.V.	Ctys.					
1.	8	3	R. Anderson*	Virginia	419	221	AHD, Puerto Rico
2.	5	9+	G. Allen	California	488	304	6KW Cuba 900 500w
3.+	3	12+	N. Maguire	New Mexico	391	260	WXLQ Bermuda 50w
3.+	6	9+	S. Drake	Pennsylvania	305	237	RTF St.Pierre 1375
5.	2	14	W. Routzhan	Pennsylvania	369	300	KFAR Alaska
6.+	10	7	D. Reynolds*	California	448	254	R.Montserrat 885
6.+	13	4	H. Gustafson	Illinois	274	61	WXLS Greenland 850
8.	12	6	A. Merriman	Virginia	222	148	WIBS St.Lucia 1565
9.	11	8	C. Freeman	California	320	196	ARFS Thule 1425
10.+	9	12	A. Rugg	Quebec	1182	1088	WKEF Puerto Rico
10.+	20	1	A. Slater	England	524	280	KOMO U.S.A.
12.	4	19+	E. Johnson	Illinois	283	256	4VYM Haiti 1250
13.	23	2	B. Dangerfield*	Pennsylvania	328	101	R. Antigua 644
14+	1	29	L. Kruse	Iowa	77	61	WSTA Virgin Is.
14+	14	16	J. Starr	Ohio	148	103	KTKN Alaska 930
16.	7	24	F. Wheeler	Pennsylvania	180	170	KFAR Alaska 660
17.	30	5	H. Robie	Massachusetts	140	59	HOK Panama 250w
18.	21	15	G. Scrimgeour*	Ontario	407	327	KBYR Alaska 1270
19.	28	9	H. Wilkinson	California	286	89	WVWV Puerto Rico
20.	15	23	B. Reynolds	Missouri	95	90	HON Panama 1501
21.	19	22	D. Phillips	Alabama	40	21	KGPC
22.+	18	26	F. Waldron	New Jersey	110	101	KEUS 1290 1k
22.+	26	18	R. Wood	Hawaii	325	?	?
24.	16	31	J. Kadet	Maryland	41	39	KKAR 1220
25.	29	19	J. Neff	New York	84	68	R. Montserrat 885
26.	32	17	B. Raczeko	Ohio	66	36	R. Montserrat 885
27.	24	26	R. Hays*	Kentucky	37	31	WIBS Grenada 535
28.	17	36	D. Whatmough*	Ontario	545	?	?
29.	37	19	P. Kilroy	Washington,DC	43	25	WBNB Virgin Is.1000
30.	27	32	D. Carlson	Illinois	32	30	4VEC Haiti 890
31.+	22	39	D. Erickson	California	9	8	KICV Alaska 850
31.+	25	36	M. Sorensen	Ontario	260	259	4VEC Haiti 890
31.+	31	30	M. Northam**	Oregon	51	36	WAPA Puerto Rico
34.	36	28	J. Conrad	Florida	24	?	?
35.	40	25	C. Reno	Connecticut	58	36	KABC 790 5k
36.	37	34	R. Edmunds	New Jersey	56	53	WXRF 1570
37.	38	32	J. Pejza	California	39	19	PJD2 1295
38.	35	36	D. Eggert	Indiana	19	?	XEVIP Mexico 1560
39.	39	34	J. Renfrew	Connecticut	65	?	WMIA Puerto Rico
40.	34	40	R. Richman	New York	36	34	XEWA Mexico 540
41.	41	41	R. Schneider	Wisconsin	?	?	?

This month's change of format was the brainstorm of Gene Allen. He thought an overall ranking of the DXers, based on rankings in total veries and total countries, would be of interest. Was fun compiling, but also somewhat of a nightmare, for your editor, hi! (*) indicates a tie for that ranking. Members marked (*) need to bring their standings up to date. Next month, we will run "heard totals" as well as Asiatic totals. 73.

S.I.G.N.E.R.S.		S.I.G.N.E.R.S.			
A - R. Wood	F - E. Lynn	1280	CHAM D. Walker, A	D	
B - J. Renfrew	G - M. Sorensen		KTqL K. C. Losmack, CE	I	
C - C. Hutton	H - A. Merriman		KYRO Mrs. Ruth Gore	I	
D - W. Stone	I - L. Kruse	1290	WNBF L. T. Cox, CE	B	
E - B. Reynolds	J - E. Cooper	1310	KBOK B. Padgett, CE	E	
540	WETC W. Kriby	H	1320	WCVR D. H. Chestnut Jr.	H
550	WHLMA. Hogg, CE	F	1330	WBTM T. D. Luther, VP, Op M	H
560	WQTE I. Laing, Op M	B	1340	KSEK E. O'Donnell, GM	E
600	WMT M. Sheheen, SM	C		WJPF R. A. Ferrari	E
610	WDAF P. Brockman, ESecC		1370	WOTR W. Remington, CE	E
630	KXQK A.A.Jablonsky, CEG			KWRT D. Sheperd, CE	E
680	KMQB R. D. Hall	B	1380	WPLB F. J. Schantz, CE	E
	CHLO J.L.Moore, P,GM	B	1390	WTJS F. Proctor, VP	C
690	KGGF R. McBride, PD	B	1400	WRqJN S. D. Fisher, CE	B
	WCYB J. Paniola, CE	C		WJPE G. Ethier (© CBC)	G
705	W.I.B.S. u/u	J		WYSL G. E. Molnar, AE	G
710	KGGH C. H. White, E	B	1410	WLB J. White, E	C
770	WChAL D.L. Molvik, E	H	1420	CkP T. R. Alberts, CE	H
790	CkQs O. K. Houzer	G	1430	WENE J. Fischler, CE	G
840	WMOB E. King	HI		WRMG A. Walker, PD	I
920	WQK Y. E.R.Cooke, CE	B	1440	WCEM J. Martens, CE	E
	WPTL J. Hayne, PD	C		WJfJ L. W. V. Miller, TD	G
	WMEG J. Siegel, Cons, E	H		WCFD L. W. F. Rude, CE	C
930	WKKXY B.Kohlmeier, CE	E	1450	WFT R. J. Taylor, M	H
940	WCP C. J.B.Skelton, CE	C		KOKO S. Pearce, Op M	-
960	WRF C. L. Melear, CE	C		CHUC R. Hibbert, CE	G
970	KAKC R. Castle, CE	C	1460	KIRL M. Rice, FM	H
	WVOP M. Dorworth, CE	C	1490	WOLF V. Magiameli, CE	B
980	WKL Y. B. McLane, CE	C		KDMO R. K. Barnes, M	E
1000	WTR Y. F.S.Belaskos, CE	B		KDR O. H. W. Brandes, GM	E
1010	WKT N. Fanny Cothran, M	H	1500	WBF N. A. C. Elliott Jr., C, E	I
	KCHI H. G. Rion, M	E		WGM F. D. Cornett	D
	WMO X. S. Burkes, CE	E	1510	WAgT F. D. Hemler, CE	H
1050	WLI P. G. A. Dodge, CE	B	1520	WLU V. K. Shugars	B
1060	WHE B. (J.D.Scherer, GM	B		WTPt O. K. Jones, AN DJ	J
	(M. Robinson, TD	B		WXPQ L. Lane, CE	C
1070	WKO W. R. Wickhem, CE	B	1530	KTMN Kathy De Loach	I
1080	WOAP A. Kinsey, CE	G	1540	WXR R. E. Lindner, Eic	J
1090	WFW R. Marsha Ringenberg	B	1550	KUAT H. J. Paine, CE	H
1110	WSP W. (Mrs. C. Kowalski	B		WYN X. L. N. Polk, P	H
	WTB Q. (Julie Klein, S	J		WBM R. M. Kane, CE	H
	(T. Baker, Op M	J		WDL R. J. E. Bowles, CE	H
	KFq B. J. A. Bruna, CE	F		WVma B. D. Beckstrom, SM	J
	WBC A. E. StantOn, GM	E	1560	WCI K. F. Billings, SM	I
	CJnR C. Jacques Filteau	GM		WKO O. P. Billings, SM	I
1150	WCO V. P. B. Witt, CE	H	1570	WSS A. J. West, PD	I
1210	WAD E. J. Smith, CE	H		WOK Z. N. Bono, CE	C
1220	WLS D. W.R.Coomer, E	H		WFB F. R. D. Ralston, NxEd.	C
1230	WICG S. R.W.Krause, D, Top	G		WKO L. P. R. Carpenter, CE	D
1240	CJgW A. D. Sunin, CE	G		KLEX Kip Farmer	E
	WJE J. E. A. Brunn, E	G		KOLS L. L. Gaffaney, CE	H
1260	WNS L. E. Breland, E	I	1580	WCCR L. Hickok, CE	H
1270	WXY Z. P. Dudeck, CE	C	1590	WETH H. F. P. Saia, GM	G
*1250	WHNY C. Tucker, GM	E		WAUB J. E. Hibbard	B
	KFA Y. T. O'Brien,	E		WCS L. J. V. Fridle, GM	I
1280	WNP T. S. Minor, SM	C	1600	WKWF (C. Lowe, CE	A
	WCP M. J. Mills	H		(J. M. Spottswood, P, GM	A
				W. G. Alliss Jr.	A