

DX News



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**OFFICIAL PUBLICATION OF THE
NATIONAL RADIO CLUB
P. O. BOX 99
CAMBRIDGE, MASS. 02139**

VOLUME 37

December 6, 1969

NUMBER 11

IN THIS ISSUE



- NRC Condition of Frequency List - L. Kruse
- Article on Cuban Radio - G. Hauser
- CPC Report - J. Starr
- WWV Predicts TA Conditions - R. Edmunds
- Construction Permits Granted - L. Kruse
- Friendly DX Contest Scores - Fish

...and much more!

NEW MEMBERS

- *Jan Burger, Van Blommesteinstraat 4A, Delft 2203-3, Holland
- *Mike Hawkins, 224 Pine Ave., San Francisco, Ca. 94080
- *Andrew R. Jacob, 212 Gay St., Phoenixville, Pa. 19460
- *Frank B. Kennedy, 20340 Argonaut Dr., Saratoga, Ca. 95070 (rejoin)
- *Daniel Turney Shoaf, WAUG, Box 1692, Augusta, Ga. 30902 (rejoin)
- *Elroy B. Suneson, 10 Blossom Hill Rd., Winchester, Mass. 01890

Welcome to the NRC, gentlemen, we hope to see your contributions often here in the pages of DX NEWS. If you happen to live near one of our new members, give him a call and welcome him to the NRC personally!

trouble

We've been having a bit of trouble with "breakup" on some pages in some recent issues, especially in the Musings section. Last week Randy Kane and Geoff Fox retyped the entire Musings section on an IBM typewriter with a carbon ribbon in an attempt to pin down the problem. Foxy's section came out a bit light last week - *especiall* on page 11 - and we apologize to him and the membership... We did figure out what happened to Foxy's section last week though; it turned out to be a subtle problem involving the color of the makeup sheets and the difficulty has been resolved. Hopefully we will also eliminate the printing problem in the Musings section as well.

LOOP KITS COMING, TOO!

The mechanical filter order has been shipped via airfreight from Japan and should be on its way here now; we will repack and send them off to those who have ordered them as soon as they arrive here. Stationery and printed supplies are being made up now and pending orders will be filled shortly.

SPECIALS

		kc/s		watts	A.M.,E.S.T.	Info:
Mon. Dec. 15	W C V R	1320	Randolph, Vermont	1,000	1:00 - 2:00	N R C
15	W H H O	1320	Hornell, New York	5,000	4:00 - 4:50	IRCA
15	K B R C	1430	Mount Vernon, Wash.	5kw-1kw	4:00 - 4:50	IRCA
15	W N L C	1510	New London, Conn.	5,000	4:30 - 5:30	NNRC
Thu. Dec. 18	C J O N	930	St. Johns, Nfld.	10,000	1:00 - 2:00	NNRC
18	C J C N	680	Grand Falls, Nfld.	10,000	2:30 - 8:00	NNRC
18	C J O X	710	Grand Banks, Nfld.	1,000	2:30 - 8:00	NNRC
Sun. Dec. 21	V O C M	590	St. Johns, Nfld.	10,000	1:00 -	NNRC
21	C F N B	550	Frederickton, N. B.	50,000	1:00 -	NNRC
Mon. Dec. 22	W J W L	900	Georgetown, Delaware	1,000	12:01 - 1:00	NNRC
22	W J D A	1300	Quincy, Massachusetts	1,000	1:00 - 3:00	RLA
22	K X R B	1000	Sioux Falls, S. Dak.	10,000	1:30 -	NNRC
22	K L I X	1310	Twin Falls, Idaho	1,000	2:40 - 4:30	NNRC/IRCA
22	K W J J	1080	Portland, Oregon	10,000	3:01 - 4:00	NNRC
22	W S A L	1230	Logansport, Indiana	1,000	3:30 - 4:00	RLA
22	K C L R	1530	Halls, Texas	1,000	4:00 - 4:30	RLA
22	ANGUILLA	1505	Anguilla, B. W. I.	500	4:00 - 5:30	NNRC
22	K W V Y	1470	Waverly, Iowa	1,000	4:30 - 5:00	RLA
22	K I R V	1510	Fresno, California	500	4:30 - 5:30	ASWLQ/IRCA
22	K E Z U	920	Rapid City, S. Dakota	1,000	5:00 - 5:30	RLA
Thu. Dec. 25	C J R C	1150	Ottawa, Ontario	10,000	1:00 - 3:00	NNRC
Mon. Dec. 29	W R Y T	950	Boston, Massachusetts	5,000	12:01 - 4:30	N R C
29	W K N D	1480	Windsor, Connecticut	500	2:00 - 2:30	N R C
29	W E E I	590	Boston, Massachusetts	5,000	3:00 - 4:00	RLA
29	H I M S	570	Santo Domingo, D. R.	1,000	4:00 - 4:30	N R C
29	W O N S	1410	Tallahassee, Florida	5,000	4:00 - 4:30	RLA
29	W M E N	1330	Tallahassee, Florida	5,000	4:30 - 5:00	RLA
29	K J N P	1170	North Pole, Alaska	5,000	5:00 - 6:00	N R C
Wed. Dec. 24	W N B F	1290	Binghamton, New York	5,000	ALL NIGHT	NNRC
Mon. Jan. 5	W K B R	1270	Manchester, New Hamp.	5,000	1:15 - 2:30	NNRC
Sun. Jan. 11	C B T	540	Grand Falls, Nfld.	10,000	11:30pm-	NNRC
Mon. Jan. 12	W J A G	780	Norfolk, Nebraska	1,000	1:10 - 3:30	NRC/IRCA
12	W N X T	1260	Portsmouth, Ohio	5,000	2:00 - 2:15	NNRC/IRCA

SPECIAL PROGRAM NOTES FOR TESTS OF MONDAY MORNING, 12/15/69

WCVR-1320. Info, RLA & NRC. "differnt" music, many IDs, also some CW IDs to be given. David H. Chestnut, Chief Engineer, WCVR, Box 1320, Randolph, Vermont, 05060. They're very anxious for reports! Info: E.R.COOPER

WHHO-1320. Note time correction. They'll use 5 kw. from 4:00 to 4:25, and 500w. from 4:25 to 4:50 s/off. Music with titles announced, and Public Service plugs will be used. Reports go to Mr. Norman E. Jorgenson, Chief Engineer, Radio Station WHHO, 85 Canisteo St., Hornell N.Y. 14843. KBRC-1430 is tentative - was on on 12/8 or 12/1 we believe also. Should use 5 kw. till 4:30, then 1 kw. using music, tones, and IDs. Reports to Mr. James Richards, KBRC Radio, Box 050 - Mt. Vernon, Wash. 98273.R.MILITIER

WNLC-1510. Reports to Mr. James Scott, Program Director, WNLC, Box 1031, NewLondon, Connecticut, 06321. JOHN TWEEDIE.

All three Newfoundlanders on Thursday 12/18 (CJON CJCN CJOX) are to be sent to CJON: CJON Radio, David Munder, Program Director, Prince of Wales Street - St. Johns, Newfoundland, Canada. Time on latter two seems incorrect - probably should be 12:30-6 or so. JOHN TWEEDIE's info.

"AN" SITUATION - ALL OFFS (Believe it or not!)

970 W J R Z (s/off 2am) 1250 W E M P (s/off 1:05) 1380 K W K (s/off 2)

HEARD SINCE LAST ISSUE - NRC 1560 W K O G Ex-WCIK/WKGO
(Kruse's next issue). 1570 C H L O Ex-680 kc/s., now on RS.

MUSINGS of the Members

Ernest R. Cooper
438 East 21st. Brooklyn, N.Y. 11226

RICHARD CLARK - 4110 Bayview Drive - Fort Lauderdale, Florida - 33308

DXing here is great! I don't have all the Northern stations to put up with. Here is my report this week, 11/14-20. WDAK-540 Columbus Ga. @ 1, WFTL-560 @ 2:30am, WIP-610 Pa. @ 2:45, WSAV-630 Savannah Ga. @ 2pm, KFI-640 Los Angeles @ 3am weak w/CMQ on top, WMPG-680 Memphis @ 8pm, WBA-680 St. Petersburg @ noon, KRMC-740 Tulsa @ 2am, WJR-760 weak w/QRM CMCI, WTAR-790 Norfolk clear @ 4:30; CKLW-800 weak u/XELO, WKKO-860 @ 12:30pm, KOAM-860 Kans. w/KONO-860 San Antonio, WRNL-910 Richmond Va. clear @ 9pm; WGST-920 Atlanta @ 6pm, WPEN-950 w/WSPA-950 @ 5am, WBRC-960 clear @ 8pm, WAVE-970 w/WJRZ-970 until WFLA s/on, WFAB-990 clear @ noon, WJTS-1000 weak, Jupiter, Fla. w/c/w @ 12:15, WINQ-1010 Tampa weak @ 12:17, WHN-1050 weak @ 4am, WNOE-1060 w/KYW on top, KAAY-1090 is just about the only one at night, WALT-1110 weak @ 12:45pm, WRVA-1140 weak @ 3:15am, WDEL-1150 vs. WJBO-1150 @ 5:30, WCOV-1170 come in some time at night from u/WVVA, VOA-1180 is on & off in the daytime & HIBE-1180 is one at night, WCAR-1220 weak @ 11pm, WORJ vs. WYNT-1270 at night, WADO-1280 in SS @ 1am, WMAK-1300 Nashville @ 1:15, WVOJ-1320 in back of local WGMA, WFBC-1330 weak, WCVU-1350 vs/ WSLR @ 2, WSAI-1360 Cincinnati u/WKAT @ 2:30, WCOA-1370 @ 1:30am, WDEF-1370 @ 5:15, WAOK-1380 vs/ WLCY-1380 at night WING-1410 vs. WUNI-1410 Mobile, WIII-1430 weak @ 7pm lot of QRM from WFTL, WQOK-1440, WABR-1440 at night, WOCN-1450 weak w/QRM from WRBD, WPNX-1460 vs. WBNS Ohio @ 3:30am, WBIG-1470 weak & u/HIAG; WRDW/WLEE on 1480, WMEM-1490 weak @ noon, WMEX-1510 Mass. u/WKAC @ 1am, HJLQ-1520 I&C & u/it is WKBW weak, WAAY-1550 evening, WQXR clear evening, XERF-1570 weak w/QRM from WSRF, WALG-1590 weak also QRM w/WSRF, WKWF-1600 Key West not very clear, evening That's it, I now have logged 203 stations! Best of everything, 73s.

ALEX BOWAB - OI Division - USS Forrestal - FPO New York - 09501

Vrrrie, WQMS-1050 for TEST. DX on MM 11/10 was while I was on the road from Norfolk to Mobile. Leaving Tidewater after midnight, I noted WHH-1400 off; they stay on many MMs w/soul/jazz show. WCVU-1350 WTAR-790 AN as usual w/chicken-rock & HI, respectively. WGH WNOR WRAP WVEC off as usual, all AN-6. (WCVU was noted silent SM 11/9 & WSLR in almost as well). No Specials heard on my mighty VW car radio. I was only 90 miles from Lynchburg during the WBRG-1350 TEST & heard only a TT w/CHUM & XEG, I didn't stay to ID. "Was interesting to note Ohioans dominating six out of ten consecutive channels (1330 1350 1360 1370 1410 1420) while driving through the Carolinas. Around Spartanburg, I was catching Ron Riley on WCFL @ 6:13, at which time WVOV-1000 came in atop them w/an ET/Mx consisting of ancient rr (vintage 1956 - remember "At the Hop, Silhouettes on the Shade, Black Slacks, & Raunchy? I was 12 at the time). This until 7 when Hemingway, S.C. station took over on RS. Eight months in the Mediterranean for me beings 12/2. (The best, Alex! -ERC)

BRUCE REYNOLDS - Route 2 - Warrensburg, Missouri - 64093

A last minute Musing before heading back to Texas & the USAF. DX has been good when I've found the time to listen. Two varies in: v/q from KLUB-570 for a Feb. report & v/l from KTAE-1260. I think KLUB has a new card, so they are probably cleaning up some back reports. DX: 11/19- KFMB-760 u/WJR w/s/on-SSB @ 7:58am, then CBS Apollo coverage. Not enough for a report, though. 11/21- WFTO-1330 @ 5:27pm & WKCU-1350 @ 5:38. 11/22- WLAV-1340 noted w/AN show @ 1:20am & KBRS-1340 w/f/c 1:30-1:45am. KBRS has the coolest IDs I've run across on a f/c thus far, as they are done by a sexy-sounding female over mood mx. Hi. Otherwise, TT, though. KVET-1300 is a prominent new pest here this season w/AN-7 c/w. 73 & good DX! (And Happy Flying! -ERC)

AS THEY SAY IN MOUNT VERNON, OHIO, "WMVO." "WRITE MUSINGS VERY OFTEN!"

CARTER SCHOLZ - 3 Somerset Road - Tenafly, New Jersey - 07670

This being my first Musings, intros are in order. I'm 16, a junior at Tenafly High, and was convinced to join by members Stan Garfield and Frank Waldron. Here in scenic Tenafly we have what I lovingly call "The Worst DX location in the World" amidst 458,000 New York local XRs. My high-quality Lafayette HA-700 thereby somehow yields images that haven't been invented yet, like WHN-1050 on 1350, WLIB-1190 WNEW-1130 on 1410 (1190 plus 1130 minus 910!) and other fun products. However, despite this, DX is at least minimal rather hantnon-existent. I plan to build a wave trap soon, which should help. Three-months' serious BCB listening has yielded 204 stations logged w/recent DX including CBT-540 @ 7pm 11/21, WHLO-640 @ ISS 11/18 for report, WING-1410, WERE-1300 wiping out regular WFBR, WSLR-1350, WHHH-1440 overpowering - note special Ohio "opening" on 11/18. WCHO-1470 also logged. Other new stations noted within the past week and added to the log (all about 8-9pm) are: CFOX-1470 CKRB-1460 WVOV-1420, WGH-1310, WRKT-1300 and KFLA-1310 @ ISS w/ID L&C, then out. I'm still after a 1300 unID heard in early October w/an 8pm s/off, but nothing definite. I suspect KBRL, but very, very tentative. Well, that's all this week; I hope to contribute to the DXDD regularly. Peace, water brothers. (Welcome to the NRC & Musings, Carter - please do report in often, & please double-space!ERC)

FRANK WALDRON - 65 Lakeridge Drive - Matawan, New Jersey - 07747

Some great things have bounced this way this week, e.g.: 11/15-KEJG-1550 noted u/OC w/rr, weakish, 1:17. WRMT-1490 N.C. bombing in at times w/rr 1:35-2, said 24 hours. 2:15, unnn WPAR-1450 dominant u/WPC w/rr. 2:25, unnn KGIC-910 well atop w/c/w. 11/15- WVMT-620 reported 4:1304:28pm w/MOR & FB scores, equal to WVNJ at times. WFLO-870 good to 5 s/off. WGTL-870 s/off 5:11, then hymns to 5:15, some QRM. 6:06pm, KCTA-1030 slicing through 1EZ w/The World Tomorrow, poor by 6:46 s/off. SM 11/16- XETRA-690 finally nailed for a report w/NX, mx, ads, PSAs, 1-1:45, CMBC nulled nacherly. I'm ardently checking 690 for any sign of CBU B.C. who are now 50kw. w/a beam Eastward. No sign so far. WYGO-1330 ET-c/w hacking up WEVD @ 2:54. Then I was floored by the great signal of CJOC-1220 coming in o/u CHSC, very strong at times. They were copied intermittently 3:10-4 for my fourth report to them. CJGX probably the one on 940 w/rr & WX @ 3:30, no ID gotten. MM11/17- Flash! ECers please note that WITH & WNEB have both been off two MMs in a row, leaving 1230 uncluttered in the NE. I nearly collapsed by getting WJBC-1230 111. atop w/NX, WX & s/off 1-1:05. I thought things like this weren't supposee to happen on graveyards out here any more. Also unID SSBs-1230 @ 1 & 1:03; someone w/MBS-style NX @ 2. Dominant were WJNO Fla., WCOL O. & WJOB Ind., VOA-1196 @ 1:15 for first time. Then KOMO-1000 good @ 2:18 w/light mx, deeply faded though. 2:48, KNBR-680 o/u WPTF/WAPA et al, only third time ever heard. What was probably KGBS-1020 way u/XDKA OC w/rr @ 2:35, faded, rats. Unnn VBR-1010 battering CFRB to 3:03 s/off. On 630, who was playing "McArthur Park" & then right into "Hey Jude" & then apparently off, 3:10-3:20? I thought it might be CKRC or someone w/an ET. 11/20- FF-1270 probably CJGT 7:02pm, not logged though. 11/21- WJNS-1560 PoP TT/OC 2:30-3, at first u/WQXR Tting. When WQXR's OC was on, I was getting WKBW-1520 weakly on 1560. Huh? WQVA-1240 @ 2:44, WGBB looped. CBD-1110 atop WBT @ 6:08 w/CBC Sports. Station #1,000 heard. The rest, and more, next time.

2113 Fort. Davis Street S.E. - Washington, D. C. - 20020

PAUL KIROY - While DX has been slow for a variety of reasons, the verifications are starting to come in. v/q from TWR Monte Carlo-1466 added country #29 verified to the list. PJA5-1435 sent v/q also. Emisora Nacional-665 returned my tape w/no explanation. Possibly a v/q is being sent as they seem to be reliable DX: 11/19 many stations in LA & Carribean were on late w/Apollo 12. R. Victoria-925 in EE w/Apollo @ 12:15am, heard again on RS @ 4:50-5:05am w/mx & NX. On 1035K, a new Cuban heard 1:58-2:00a.m. Spollo broadcasts AN in SS on YND-675, & TIOS-825.

LET'S GET MORE OF YOU MUSING! DEADLINE HERE IS EVERY MONDAY. PLEASE SKIP A LINE BETWEEN LINES, AND REMEMBER THAT 30 LINES OF SPACE IS YOUR ABSOLUTE LIMIT!

ERNEST J. WESOLOWSKI - 1416 Pasadena Avenue - Omaha, Nebraska - 68107

I'm finally getting around to letting you fellow DXers know I'm still alive. (?) I don't know where the time goes but DXing is still a part of my life as Chicago & St. Louis prove, hi. Some new catches this year are WSJC-810 Magee, Miss. on for Camille on 8/18 @ 2:10-2:44 but refuses to verify even w/my \$1 donation in the f/up. WVOV-1000 Huntsville, Ala. on 10/20 s/on @ 6:45. KOMW-TEST in twice during TEST for #16 heard from Wash. KALN-1370 Iola Kans. on 11/21 s/off @ 6:15. KIGA-1600 Algona, Ia. s/off @ 6:02 o/KCRG. Finally 11/25 the KWPC TEST was in very strong o/u XEBO & an unk TT after 2:15. I am taking a trip to Oklahoma City o/Thanksgiving and I hope to visit KOMA & try talking them into verifying. Thanks to Dave Fischer in Lincoln for the KRWN-880 verie. I hope you all hear WJAG-780 TEST next 1/12. Send WBEM a thank-you for not testing. 73s.

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

A lot of DX this week w/snow on the ground, and cold WX. 11/15- WPTT-730 heard @ 3:57pm w/"Grecian Melodies", CFCH-600 in very well @ 4 18pm, CKOT-1510 C 4:58pm w/soff info, ID for AM & FM u/WMEX, WKEE-800 @ 5:14pm s/off info, ID for AM & FM u/CKLW. 11/17- WEZE-1260 @ 12:25am w/ET/TT ID @ 1:02am, WMVO-1300 was not heard at all. 11/18- WABH-1150 heard @ 12:15-12:30am w/r/c-TT. WNPV-1440 @ 12:33am w/ET/TT, WMC-1360, I don't know if heard or not, but a very weak TT was heard u/WSAI/WIXZ @ 1:17am, no ID heard at all. 11/19- WAUK-1510 heard @ 4:51pm quite well until 5:10 when it disappeared u/WMEX, WAPE-690 @ 5:22 pm weak u/CBF. 11/20- KLIJ-1380 @ 6:16pm w/almost solid copy until 6:40pm when it vanished, probable pattern change. One verie this week, CKRB-1460 a v/1 in FF & EE sent airmail. C U later.

STEWART DUNKE - 2108 South Simpson Street - Philadelphia, Pennsylvania - 19142

Reception picked up a bit lately w/four new catches since my last Musing. As I had to work MM 11/17, I jumped the gun & got WCIR-1070 on 11 @ 4:32pm, 11/16. They were in just long enough for me to get material to base a verie request on. 11/20 saw WMMT-1520 f/cing u/WKBW @ 12:30am. This morning 11/24 I got the AN CHLC-580 Que. @ 1:34am w/FF songs. Then I went up to \$10k to look for WZKG who never showed through until 2:19am w/ID stressing the call letters. Finally I took copy on CJRP-1060 who never did reply to my 7/14 report. I noted several TAs during the morning, but nothing new. Veries in from WRMG-1430, PJA6-925, KGIC-910 to make totals here 2,491/2,350. I guess this season should see me reach the 2,500 mark in loggings. I now also have 992 counties verified. No answer to date from ZBVI-780. Best of DX to all & 73. Yes, Ernie there is a WERA, I heard them back in 1963, hi. (You're kidding, Stew-ERC)

STAN MORSE - Route 3 - Bradford, Massachusetts - 01830

TT on 810 @ 2, WEKG? No sign of IDs, just too much WGY. I received a copy of "When Pirates Ruled the Waves" by Paul Harris - seems to be pretty accurate & is certainly interesting - in addition to British pirate stations, also has some coverage of other Pirate stations, including pictures of Veronica. Many pictures of Radio City - none of 390, but most others pictured & history of each covered including the Radio City Murder Case.

JAY MURLEY - 1733 Candlestick - Newport Beach, California

Well, the Admiral said a November anomaly was to be expected, and regardless of the fancy word you attach to rotten CX, they've been in since 11/20, on my rig anyway. It was shades of last year MM 11/24 - I couldn't get beyond Vancouver on TP paths, I could barely get Honolulu, and nothing decent NE of WJR in the other direction, so what was good? The Cubans, needed for Fish's contest, I suppose, but otherwise a total waste of time. Only three new '69-'70 foreign loggings for three nights of dial-spinning, and in one case, the propaganda was so insufferable I didn't stick around for an ID. Methinks the last two months has spoiled me.

LEN KRUSE - 1675 Glen Oak Street - Dubuque, Iowa - 52001
 The latest DX loggings at this DX Den included these: Station WIVS-850 Crystal Lake, Ill. ex-WCLR, on RS 11/9 from 9-11am. Then on 11/17 Station WNKY-1480 Neon, Ky. was logged on r/c-IT 1:05-1:25am topping the frequency; followed that same morning from 1:30-2 w/the final 1/2 hour of RS of Station KODE-1230 Joplin, Mo. well on top of the 1230 spot. The TEST on 11/24 from WKEG-810 Jackson, Ky. was a happy logging from this seven-month-old radio station. There was some QRM to contend with. Later on 11/24 I logged Station KTHS-1480 Barryville, Ark. w/a f/c-TT from 5:30-5:40am. I was really disappointed on 11/10 when the two DXes I arranged failed to be heard at this location; it was probably the moistest morning of this DX season. I'm glad at least a few DXers logged WUPR, but I have my doubts that WYSE-DX ever came on as promised; and nothing heard from the statkon followed, and nothing heard from them following the planned DX. I had written to WCKY-1530 Cincinnati, informing them of the WUPR DX, & asked that they refrain from testing during the period on 11/10. Mr. James F. Ranney, CE, promptly replied "Barring some unseen emergency, we will keep out carrier off the air between 3:30-4 EST on 11/10/69. Good luck in hearing WUPR!" So we should take our hats off to the good folks at WCKY! The latest veries received came from KFDL-1470 Farmerville, La. & WIVS-850 Crystal Lake, Ill. Across the WIVS letterhead "Wives buy what WIVS sells." One of Iowa's oldest radio stations, KFNF-920 Shenendoah, which has been broadcasting since 1924, has ceased operations several months ago, and just recently has sold all their equipment & tower. They had applied to the FCC to move to Council Bluffs, but the change was denied by the FCC. A few issues ago I told of some 24 stations that applied to the FCC for a change in call letters, and already nine have been approved to change calls, and are now using their new calls. One of these is WIVS, listed above.

RICK EVANS - Box 1988 - Gary, Indiana - 46409
 Happy Turkey Day, which it is. Roger gave me a call 11/21 as I was getting back from the store & I nailed a most wanted one, CHOK-1070 4 10-4:30pm w/good mx. 11/22 sent me looking for my heart pills as I nailed State #44 in WHEB-750 Portsmouth, N.H. 4:55-5pm. Then unnn WIDG-940 St. Ignace, Mich. s/off 5:15 right through WJOR South Haven, who remained on the air. 11/24 saw nine new stations logged; WKEG-810 Jackson Tenn. Special 2:15-2:30am w/fair signal; WJLB-1400 Detroit w/soul mx 3:32am in for just a few minutes; WPEW-950 Philadelphia 4am w/NX. At 4:40 an announcement that the Apollo splashdown would "be carried live over ABC & KORL" nailed State #45 in Hawaii KORL-650; WACK-1380 Ga. 5:25-5:35am. 11/26- WJAK-1460 Jackson, Tenn. r/c 2 45-3am. Totals now 796/388 State 45/41, (N.H. Wash. M nt. & Hawaii not verified). Not heard yet, Vt., Del. Nev. Ida. Alaska. Well, off to Dad's for turkey, so see you next week. v/1- WLIBB WABG WDXN CKX. v/q- CHIR. 73.

MIKE BUGAJ - 197 Boston Road - Middletown, Connecticut - 96457
 Hi. Notttoo much real DXing going around here lately. First of all I am trying to retype my entire BCB Log. Two sections are already done, one for TAs & the other for LAs, but the major one for US & Canadian is a pain & is taking quite a while mainly because of bulk. I have also looked at the FET Loop plans & found its construction is slightly different from the loop I built following NRC plans about 5-6 years ago. So I rebuilt my loop using a modified version of GPN'd plans minus the FET, allowing it now to tilt from vertical to horizontal. What a difference the tilting factor makes! Many stations just will not null with the loop in a 90° position, but give the loop a 30° tilt for example, & local ATIC-1080 almost vanishes down to S-5 & a slight fade up & down. Same for WRYM-840, WELI-960 & more. Noted was WWLE-1170 N.Y. on RS for first day on Sat. 11/22. Jerry Marshall, whom I once listened to on old WJGM-1050-rr is on WWLE. Station puts in a 10db signal here & frequently IDs as the Voice of the Mid-Hudson Valley. I have tapes of just about every European heard while in Iceland & Morocco, as well as every US & Canadian heard from both locations. If anyone's interested in a tape of any particular station maybe I can supply it.73

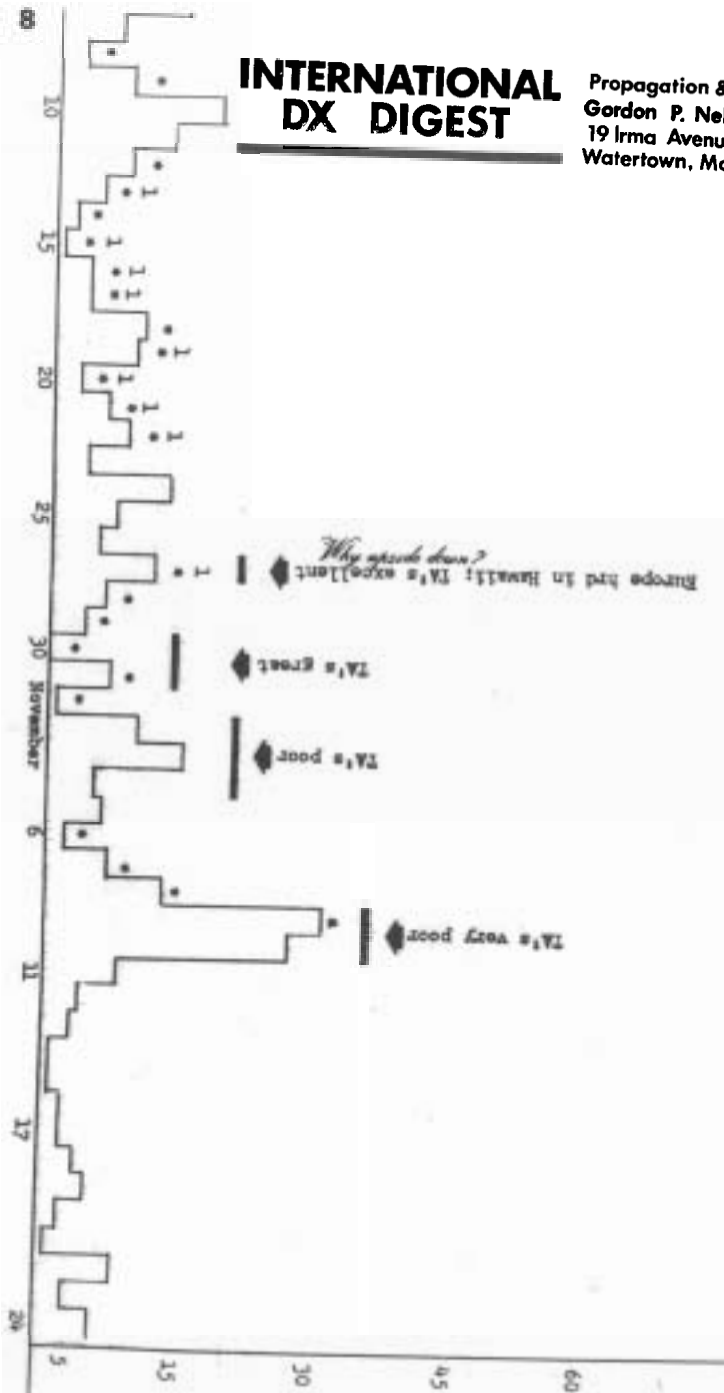
JOHN W. HOOGERHEIDE - 3 Marquette Drive - Marquette, Michigan - 49855
 11/17- The ultimate thrill in the DX Hobby is to hit a milestone & @ 4:05 this AM, this was finally reached when State #50, Alaska, was logged in the form of KYAK-650 in Anchorage. From 3am, a loud "Coral" (KORL) was noted w/weak trace of mx behind at a 90° angle on the loop to KORL. I stayed with it & during fades on KORL, c/w mx was definitely noted. At 4am, KORL completely faded out, & there was KYAK w/NX & WX for Anchorage area as well as ID as "The Country Giant". This is a real possibility boys, so let's see some other Easterners pick it up on a clear channel except for KORL. This culminates DXing on MW since 1948 off & on & never a log on Alaska before. At 2:30pm, new WEVR-1550 River Falls noted w/CBE & WMAD for Wis. #82 & log # 1,132. WHLD-1270 Niagara Falls atop .3:40am, WVAM-1430 Altoona new @ 3:55pm w/NX. This PM really good towards Central Pa. & N.Y. WSAW-1470 Allentown w/NBC NX @ 4:20pm, WOIT-1410 Watertown NY 4:35pm. 11/19- Finally KILLO-1440 Grand Forks @ 9:45pm. 11/20- WRCO-1450 Richland Center, Wis. w/WMIQ @ 2pm & another new Wis. log; KRAD-1590 finally @ 1am s/off w/1,000w. & said 7am EST s/on, used SSB @ s/off. KWVL-1330 s/off 1:03 w/SSB; CHSM-1250 mentioning studios in Altona @ 1:05 after WMP s/ofu CJRL-1220 s/off 1:10 w/Oh Canada. WWCA-1270 s/off 1:32 w/SSB; KWK-1380 s/off 2 w/SSB, said 6:15 s/on. Another SSB logging E/W behind was probably much-wanted KOTA. Was the WKEG Special on? Only WGY noted - and how about WCCO being off, boys? WDSM-710 still noted on RS @ 2:25 - is this now a new NSPer or just late extended sked? 11/25- I had new KBOM-1270 Mandan briefly atop WHBF @ 9am.

RICHARD RICHMAN - 14 East Cheshire Place - Staten Island, New York - 10301
 DX NEWS on a daily basis? Not a dream, but reality here. The 11/22 issue on 11/24; 11/8 issue on 11/25; 11/15 issue on 11/26, thus the "joys" of third class delivery. Believe it or not, I finally heard a SP for WPAT, after years of listening. I heard unnn WBen, where the DJ was describing the way NYC people talk. Also an unID Eting @ 1:17am 11/25. The state sounded like Va. or W.Va. Anybody know who? I just realized I'm a member of the world's most select club! The only credential needed is a verie from WKGO-AM. I wonder how many of us there are? Membership is closed, hi. DX: 10/27- WCMS-TEST w/CHUM QRM. 12:05-12:25. S/off of WNIA-1230 @ 12:27am. Mystery on 1030 IDed as XEQR: 1:50-2am w/SS mx & R. Centro" IDs. CKEY-590 logged 2:01-2:09 w/NX & ads. Current DX: WARE-1250 11/18 @ 4:50-5pm. Aoso Wis. #3, WBAY-1360 w/ID @ 5:30pm. 11/19 found WSAI-1360 w/ad @ 5:25pm. WSVA-550 logged briefly several SSS lately. Great signal from CHSJ-1150 N.B. 11/21 @ 4:41-4:49pm w/plenty of ads. First logging in years of KCMO came @ 5:59pm 11/19. CBT on late w/ER 11/19. MM 11/24 brought s/off of CJOY-1460 @ 1:05. Also unID FFC-1450 minutes before, who? I IDed my 1500 mystery; XERH. WJET-1400 @ 1:25am. MA (Mon. afternoon, hi) was better than MM, w/N.H. #3, WHEP-750 4:58-5:05pm. Also CJAD-800 in, much CKIW, w/mx, ads, etc. 5:17-5:30pm. New state in Ark. in KAAY-1090 u/WBAL w/mx ads & Ac NX 5:43-6pm when they vanished. 11/25- WKLO u/WTIC w/NX & rr during several spurts 4:55-5:30pm when they must've gone on night pattern. WBAM-740 Ala. u/CBL 5:35-5:45pm w/rr & Dixie s/off. Still no info on XEG's Deming Ranchette - seems like it'd be a great spot location-wise to start a new log from, hi. v/q- Radio Belize, CFRA CBK (not the usual CBC card) WKBN WCBR WVKO WDMV WGET (postcard of Abraham Lincoln) XERPM WJDY WILA WHWB WARE. v/CM- WKOK. v/r- WRIS WEAW. v/l- CFOX WSNJ WDSL WTVR WWHY WWDG WINA WJIC WNAK WVSC WRGM WPIK WVOB WEBO WMTN WPNO WTAB. v/f- CJRP WIL. I hope I kept u/usual 60-70 lines, ERC, hi. 73s.

ON THE STATION'S STATIONERY
 WOR-710 New York, New York - 10018 November 25, 1969
 Dear Mr. Duffy: (Bernie Duffy, of NRC & Staten Island, N.Y. -ERC)
 "In reference to your letter of November 19, requesting that WOR sign off the air on December 18 so that you may listen to CJOX DX-Cast, I am very sorry to inform you that our schedule does not permit us to comply at this time."
 -Sincerely (signed) Francis C. Garufy, Eng. Manager, XR
 Nice try anyway, Bernie! I (ERC) wrote in like manner to WMCA-570 Div.
 hoping for a standby for HIMS on 12/29, but no reply at all.

INTERNATIONAL DX DIGEST

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



*Andorra. Radio Andorra has begun an English language program every week on 701 each Saturday from 1900-0000; send reports to Radio 428 Meters, 11-15 Wigmore Street, London W.1., England. (SCDX)

*Guyana. The Guyana Broadcasting Service will be using a 2 kw transmitter on 705 kHz. (MWN)

*USSR. The station on 1313 being heard in Europe is carrying the Foreign Service of Radio Yerevan and is probably located in Armenia; it is definitely not Simferopol. The station on 1430 relaying Mayak program is located in Hungary. And the Chinese language station on 1385 is located somewhere in the vicinity of Alma Ata according to DF from Europe. (Arctic reporters in Czechoslovakia and Germany)

*China. The Peking Home Service schedule for the winter-spring period went into operation on November 17th as follows:

- Program 1 - 1500-0100, 0350-1235 on Tuesday; 1500-1235 other days.
- Program 2 - 1600-2245, 2250-0100, 0450-1400 Wed and Fri
1600-2245, 2250-1000 Mon, Tue, Thur, Sat
1600-1400 Sun

*Greece. Radio station Fokis, Amfissa, is heard in Europe on 1611 at 0215-0700 and 1000-1700 carrying strictly local programming with only very rare relays from Athens. (Ed)

*Egypt. The latest schedule for broadcasts from this country is:

General Program - 2300-1855 on 1178, 872, 818 (main outlets)
and 1277, 1142, 1079, 980 (relays)

Second Program - 1430-1800 on 872 (Cultural program)

Western Music Program - 0000-0500, 1000-1900 on 1061

Arabic Music Program - 0900-1545 on 932

European Program - 0000-0900, 1130-1700 on 557

Alexandria Regional: 0500-1700 on 1196

"People's Program" - 0900-1810 on 732 (announces 710)

"Middle East Radio" - 2300-0115, 0700-1328, 1430-1800 (commercial pgm)

"Holy Koran Station" - 2300-0500, 0700-1543 on 1155

"Voice of the Arabs" - 2200-1635 on 620

"Arab Maghrib Service" - 1600-1700 on 710

"Sudan Corner" - 2300-0055 on 710, 0700-1125 on 872

(Ed)

*Clandestine. The "Voice of Iraqi Kurdistan" is currently operating on 1563 and 1227 in Arabic, Kurdish, Assyrian, and Turkmen. Location unknown. Ed

*Quasiclandestine. Omdurman Radio is no longer carrying the "Voice of Fatah" operation. (Ed)

*San Marino. The new commercial station is supposedly to operate on 1484. SCDX

*Thailand. According to the Communist "Voice of the People of Thailand", the regular Thai Government is currently building three 50 kw stations in Surin, Phitsanulok, Chanthaburi provinces. The Thai government is ^{NOT}saying anything about these stations... (Ed).

IDXD Monitor Reports

Members' Loggings:

10

Bob Foxworth, GPO Box 2111

New York, N.Y. 10001

Telephone Tip No.: 212-582-0844. All times in DX News are Eastern Standard. All Reporters: Please use 8 1/2 x 11 paper, one side only, or postcards. Items do not have to be in frequency sequence; we sort them here. Please be sure that all information is correctly and legibly written. Double spacing is at reporter's option. Otherwise it would help greatly if you would imitate our format. Thanks.

- 570 Venezuela. Radio Rumbos, Caracas, hrd s/off at 2303 11/16. (Objfo, Dom.R.)
- 575 Costa Rica. Cadena Musical, TIJC, San Jose, hrd for first time on 11/16 IDing as only "Musical" at 2323, ID sung by female chorus; ads and instrumental mx. (Objfo, D.R.)
- 610 Trinidad. Radio Guardian hrd at 0400 in EE, clear signal. (Richard Clark, Ft. Lauderdale, Fla.) (Welcome to IDXD, Richard-Ed.)
- 620 unID. Nov. 11 had good aurora present and a LA noted at s/off 2330 with a lively anthem, loud and brassy. Is this Dominican Rep or new Nicaraguan? (which would be YNM ex-615. Ed.) Any Ideas? (Hoogerheide, Mich.)
- 640 Colombia. HJBJ Santa Marta atop with "Musica Colombiana" 0005 11/12, many mentions of Cartagena and "La Reina Nacional" - a beauty queen pageant. Either the Cuban had xmtr problems or aurora took it out since it was 20 over 9 one minute and absent the next. (Hoogerheide)
- 650 Hawaii/Alaska. The logging of the century for me. Behind a very strong "Coral Radio" KORL with soft pop mx, noted C&W mx by turning loop 90°. Too weak to get any detail between 0300-0400; at 0400 KORL faded completely out and a newscast appeared giving weather for Anchorage and ID as "Country Giant" at 0405. Was actually loud for a minute or two. Is an excellent Alaskan possibility east of the Mississippi on a clear channel (except for KORL) and this noted MM 11/17. (Hoogerheide, Mich.) (looks like everyone hrd them except the Mass. BAD guys...and the NYC gang, hi -Ed.)
- 660 Cuba. CMHG, clear signal, sometimes silent daytime. (Clark, Fla.)
- 670 Cuba. CMKP noted with open carrier daytime. (Clark) (EVERY day?? -Ed.)
- 680 Cuba. CMHN sometimes off in daytime. (Clark) (Please try to determine if they are silent on a regular, scheduled basis..or whether it's due to equipment malfunction. Would appreciate knowing if they have a s/on at a certain time in the PM or evening; and any other details you have-Ed.)
- 700 Cuba. CMJT sometimes off daytime. (Clark) (Off at same times as others?)
- 890 Cuba. CMHD noted in daytime, fair-good, w/long-hair mx. (Clark, Ft.Laud)
- 990 Colombia. HJDB Medellin top of channel with RCN pgmg, all alone 0255 on 11/17. Clear freq and was HJ #24 from Marquette. (Hoogerheide,Mich)
- 1025 Spain? The unID of 10/27 noted by me after 0200 w/mostly nx and talk at a very good level. 0205 sports, Spanish football (soccer) scores and IDs seemed to be "Radio Ondas" ? Details sent to EAJ8 and a v/c came back, only said "tnx-QSL" and station stamp on back of a pix postcard. New slogan? (Sam Simmons, Montreal) (Hi Sam, can't help much with your slogan. Ed.)
- 1040 Colombia. Believe that the calls here are HJAI, as the pennant rcvd here with v/1 3/69 showed HJAI, Radio Tropical, 1040. I think HJFV calls are obsolete. (Simmons)
- 1124 Libya. Hrd 11/24 at 1709 with strong signals but much fading. Something strange here in that they broke into their Arabic chanting to give a SS ID at 1730. Faded out soon thereafter, but soon back with same Arabic chanting and can't understand why they'd interrupt an Arabic religious pgm to ID in Spanish, unless just possibly I had EAJ in there, too. Apparently was gone by 1800. (Blumenthal, Mass.) (SS ID apparently is from Libya, alright-Ed)
- 1145.2 My unID here 11/24 with talk mentioning La Voz de Centroamerica at 2250. Ad for beer at 2255, using "Rudolph, the Red-Nosed Reindeer" as tune for jingle. Cerveza Nacional was the brand-name. At 2300 a perfect ID for La Voz del Atlantico, HRQN Puerto Cortes, Honduras. (For a change, it only faded a little.) Listed as 500 watts on 1150; had s/off at 2307:50, very abrupt and no anthem. Got a beautiful tape, calls and slogan. (Conrad,Fla.)
- 1171.8 unID. At 2130 11/24 stn IDed as Monumental en Centroamerica, folo by



11

- quiet seemed to be a religious talk, complete with organ background. Quiet mx on at 2135 with poetry readings in SS, easy to identify the rhyme and meter. Sounded like WLW's "Moon River" pgm that's so famous. Was not TICA or YSCB as both were on 1125, hetting each other. Looped due south, perhaps Panama? Can Silveira or Objio help? This has been hrd here for several weeks but splatter from WCOV-1170 good mx has kept audio almost unintelligible. (Conrad, Haines City, Fla.)
- 1180 Dominican Republic. HIBE, Radio Mil, Santo Domingo. At 0530 11/25 mixed music and news. Quite good until VoA's s/on along with broad-band jammers at 0558 on 1178. The Dom. Rep. is now on EST plus 1/2-hour, thus noted in frequent TC's. Country #70 here. (Richard Wood, Hawaii)
- 1196 Germany. VoA, Munich unnn, but noted fair-good, 11/24 at 0200 and no sign of ant Arabic. (Simmons, Que.) (Probably hadn't s/on yet, Sam.-Ed.)
- 1200 Canada. N.W.T. Regarding logging by Glenn Hauser, I believe that CFFB, Frobisher Bay does relay programs from CBX, justifying a 0205 s/off. (Simmons)
- 1210 Hawaii. Regarding Jay Murley's report here, the last hour of daily pgmg from KZOO, Honolulu, 0500-0600 SM and generally 0400-0500 other days is often in English altho Japanese records are always presented; EE is usually spoken with Japanese accent, however. This may help distinguish from JOOR. ID usually as "Kay-Zoo, the Cherry Blossom station, K-Z-O-O." (Wood)
- 1220 Dom. Rep. HIN, Santo Domingo. Also noted 11/25 0530 during the opening to this area. ID and light orchestral mx. (Wood, Kailua, Hawaii)
- 1239.4 Cuba. Local pgmg on a Cuban here, lively mx with a very native flare to it. (How revolutionary! Bet you meant "flair". What a Freudian slip-Ed.) Female ancr giving time checks infrequently, one at 2220 and next at 2238. Fantastic signal, often stronger than the mess on 1240 and about 70% readable. This is probably the one listed for Matanzas - 1240. It has been here for a long time, used to hear this het in Kentucky. (Conrad,Fla.)
- 1286 Czechoslovakia. Regular s/off is 1830. For the second time now, on 11/24 a much stronger carrier came on immediately after their s/off with occasional TT. Unable to tell if this is done regularly or not. Carrier still there at 1930 on 11/24. Also something underneath. Only bits of audio from U.S. rock mx; perhaps Portugal. (Blumenthal, Mass)
- 1300.8 unID. There is a station here also, no audio possible as is far too weak and definitely south of this location, could be another Cuban and bears watching. (Conrad, Fla.)
- 1306.6 Cuba. Reloj Nacional here now, hrd 2205 11/24 with non-stop news, TCs and frequent Reloj Nacional IDs. A very little stronger than the 1300 one but looped to Pinar del Río - far western edge of Cuba so a good bit closer to my location. Still drifting and are reversed to what they were a few weeks ago. These closer freq. readouts due to "new" Collins R390A/URR here. (Conrad, Fla.) (Well, well...celebrating Christmas early, eh, Jerry-hi.Ed.)
- 1309.5 Cuba. Radio Reloj here at 2150 11/24 playing LA pops and Beatle records in EE. TCs between records plus Radio Reloj ID. Very strong at times, fairly easy to separate from WOOD-1310 C&W mx. A series of ads started at 2155 (or were at least promos of some type, if not ads) and mx again 2158 after ID as Radio Reloj en territorio libre de America. Looped in Ote., far eastern tip of Cuba. (Conrad, Fla)
- 1313 Norway. Stavanger here 11/24 at 0130 with fair signals, much fading. Male ancr with talk, some semi-cl mx noted at 0150, what sounded like news pgm at 0200 and carrier still there 0230. (Blumenthal) (Due to late LSR there-Ed.)
- 1330 unID. Loud het here at LSS nitely, Cuba or RAI-1331? (Simmons)
- 1375 St. Pierre. My item 11/22 IDXD section was at 1705 11/7. (RjE) (Tnx,OM-Ed.)
- 1385 Spain. ECS11 presumably the one here almost nightly with strong signals Seems to play mostly U.S. rock, male and female ancrs who usually have very little to say. Have yet to hear an ID, even on the hour. S/off at 1900 but apparently leaves carrier on at times. (Blum'l) (Note,Hauser;ID)

746 EAST GERMANY. DDR sent a v/q for my tentative of 9/26 as rptd in 10/11 IDXD. This one was IDed as Holland in 10/25 IDXD. Altho wording is sort of strange. "We acknowledge with thanks receipt of your QSL..." it does specify date, station and freq and is definitely meant to be a verie. A tentative was also sent to Holland for this one, and if they don't answer, I will have to assume it was DDR I heard. Unless, of course, DDR is an "automatic verifier". Incidentally DDR had previously sent a whole pile of stuff regarding their 20th anniversary. (Martin Blumenthal, Mass)

764 SENEGAL. Address given on the air frequently in French and vernaculars is for the National Lottery, station address is C.P. 1765 and lottery is C.P. 53, both in Dakar. (Simmons, Que.)

773 SPAIN. RNE San Sebastian sent regular RNE QSL, illegible signature for report of 10/28/69 and rcvd 11/25/69 via surface mail reply, airmail report. Address: C/ Andia no. 13 - 5º San Sebastian. (Simmons)

782 PORTUGAL. Nice v/q from CSB-9, very specific, for reception of 10/18/69.

818 ANDORRA. Pix postcard, very vague message, fortunately "SUD Radio" is typed in, but no details. One would think that by now some of these high-powered broadcasters would know what a proper QSL should be like. (Blumenthal)

1010 MEXICO. XEHL, Radio Internacional, Guadalajara, Jal. v/l from Fco. Javier Díaz. (Wood, Hawaii)

1013 PANAMA. HOU, La Voz del Barú, David. Letter, vaguely worded, from Rubén D. Samudio, Gerente. Enclosed photocopy of an earlier v/l, which, with pennants and other goodies sent, never reached me. This time, though a pennant and many postcards were enclosed, all arrived in good condition. It just goes to show that, IF A REPLY IS NOT RECEIVED FROM A L.A. STATION, ESPECIALLY IN THE PROVINCES, IT'S NOT ALWAYS THE STATION'S FAULT. Country #45 verified from Hawaii. (Wood) (I underscored importance of what you said by making it in caps, it is, unfortunately, quite true that disappearance of mail does happen in many L.A. countries. -Ed.)

1088 ENGLAND. BBC Midlands v/l rcvd 11/20 for 10/27 reception; very detailed reply from W.A. Chandler - for Head of Engineering, Midlands. (Simmons, Q.)

1090 MEXICO. XERB QSL received 5/2 mentions that address for non-USA DXers is Apto. 1090, Tijuana, B.C.N. and that Edif. California, Desp. 2 is an old address. (Simmons)

1097 SPAIN. EFE14 sent nice v/q with complete details. V/q even has a place for SINPO rating. No signature, but this is one station that knows what DXing is all about. Card mentions "73's y DX" and also sent Radio Minuto literature and cancelled stamps. (Blumenthal) (As a matter of interest, the Swedish report forms, inter-club, that I have, are all in English and Spanish; they all have large charts for the SINPO readings on them. Apparently this is a big thing in Europe. Here, it is not widely used, esp. on BCB-Ed.)

1433 NETH. WEST INDIES. PJA-5 sent v/q, photo of station plus assorted tourist info. V/s Carlos Kelkboom. Took appx 50 days in transit. (Kilroy, D.C.)

1450 MEXICO. Radio Fiesta, Ensenada, B.C. Specific v/l from Germán Reyes Jiménez, Gerente. Enclosed series of views of the Tijuana-Ensenada highway. Mexicans are verifying very well indeed at present, far better than U.S. stations. (Wood, Hawaii)

1466 Monaco. TWR sent v/q of towers, sked, via air mail, one month. Has date, time and freq but no signer. (Kilroy) Trans World Radio sent specific v/q for 1466 reception of 9/25. (Blumenthal, Mass) --that will have to wrap it up for this week. Apparently the Cx are starting to fall off. Either that, or the threatened postal holiday "slowdown" is ahead of schedule. Imagine! The P.O. ahead of schedule! Sure wish we would have a few "slowdowns" here at work...

12-6-69

CONDITION OF FREQUENCIES (ALL TIMES EST) By Len Kruse

540		600	WREC NSP
550	KAFY NSP		WCAO NSP
	KOY NSP		WICC NSP
	WGR NSP		CJOR NSP
	CFNB NSP		CFCF NSP
	CMAN NSP		CFQC NSP
	HON-31 NSP		CMKU NSP
	KARI Off MM only		HJHJ NSP
	KTSA Off MM only		KROD Off MM only
	KBOW Off MM only		WMT Off MM only
	KFYR Off MM only		KOGO Off MM only
	WSAU Off MM only	610	KILT NSP
	WKRC Off MM only		KGGM NSP
	KENI Off MM only at 5.		KFRC NSP
	KMVI S/off daily at 4 AM		WIP NSP
560	KPQ NSP		WSGN NSP
	KMON NSP		CJAT NSP
	WFIL NSP		KDAL Off MM only; off Sun 4.
	WBYN NSP		WSLS Off MM only
	KVI Off MM only		WTVN Off MM only
	KLVI Off MM only		WIOD Off MM only
	WBBQ Off MM only		WDAF Off Sun AM only
	WQAM Off MM only		CKTB Off Sun AM only
	WIND Off MM only		CKYL NSP
	KSFO Off Sun AM only 5-9 AM	620	WSUN NSP
	WGAN Off Sun AM only		CKCK NSP
570	KLUB NSP		KTAR Off MM only
	WMCA NSP		KNGS Off MM only
	CMHI NSP		HJEW NSP
	KLAC Off 2nd MM only		KGW ON daily till 3 occ. later!
	WBAP/WFAA Off MM only	630	KHOW NSP
	KVI Off Sun AM only		CJET NSP
	WKBN Off Tues AM only		CFCY NSP
575	TIWA NSP		CHED NSP
580	KIKX NSP		CMHQ NSP
	WKAQ NSP		KOH Off MM only
	WDBO NSP		KXOK Off MM only
	CFRA NSP		KDWB Off MM only
	CKY NSP		WPRO Off MM only
	CKPR NSP		WMAL Off MM only
	KMJ Off MM only at 4.	640	CFCO Off MM only
	WTAG Off MM only		KFI NSP
	WIBW Off MM only		CMQ NSP
	CKWW Off MM only		HOK NSP
	CKUA S/off daily at 3:05 AM	650	KOEL S/off daily at 6 AM.
590	KGMB NSP		WSM Off MM; SMs (TT) 4-7 AM.
	KFXM NSP	660	WNBC Off MM only
	KHAR NSP		KFAR Off MM only at 5 AM
	WPLO NSP	670	HJNX NSP
	WRTH NSP		WMAQ Off MM only
	CKEY NSP		CMJP NSP
	CMII NSP	675	TIJC NSP
	VOCM NSP	680	WPTF NSP
	KTBC Off MM only		WCBM NSP
	WVLK Off MM only		CJOB NSP
	WEET Off MM only		CJOX NSP
	WARM Off MM only		CHFI NSP
	WOW Off SM & MM		WAPA (SS) NSP
	XEPH ON daily till 4 AM		KBAT Off MM only
			KNBR Off MM 4-7 AM
			WCAW Off MM only

680 WMPS Off MM only
 WRKO Off MM only
 690 WAPE NSP
 WTIK NSP
 CMBC NSP
 XETRA NSP
 KKUA NSP
 KHEY Off MM only
 CBU Off daily at 4:10 AM
 700 WLW NSP
 710 KIRO NSP
 KBTR NSP
 WOR NSP
 WHB NSP
 CJCN NSP
 KGNC Off MM only
 WTHS Off MM only 12:30-3 AM
 KMPC Off alternate MM 4-7 AM
 KEEL
 720 CMGN Off MM only
 WGN Off Tues AM only
 730 CKAC NSP
 CX-10 NSP
 CKLG Off MM only
 CKDM Off Sun AM only
 CHIR
 740 KCMC NSP
 CMJL NSP
 KRMG Off MM only
 KCBS Off MM only (OC on)
 KSSS
 750 WSB NSP
 KPQD Off MM at 5 AM
 760 KGU NSP
 CMCD NSP
 YSKL NSP
 WJR Off MMs irregularly
 KFMB
 770 KOB Off MM only
 WABC Off MM only
 780 CMON NSP
 WBEM Off MM only
 790 WMC NSP
 WTAR NSP
 WQXI NSP
 WAKY NSP
 KABC Off MM only
 KGHI Off MM only
 KGMI Off MM only
 KJRB Off MM only
 KTHT Off MM only
 WFUN Off MM only
 WAEB Off MM only
 CHIC Off MM only
 CKSO Off MM only
 CFCW Off MM only at 3:05.
 XERC ON daily till 3:30 AM
 KWIL Off Sun AM only
 WLBE

800 JKLW NSP
 CJAD NSP
 CMKL NSP
 CJLX Off MM only
 CHRC Off MM only
 KINY Off MM only
 CKOK ON daily till 4:05 ex MM
 RJB S/on daily at 4:30 AM
 810 KCMO Off MM only
 KGO Off Sun & MM only
 CHQR Off Tues AM only
 WGY Off Fri AM only
 820 HJED NSP
 WBAP/WFAA Off MM only
 830 KIKI NSP
 WCCO NSP
 840 PRH-9 NSP
 CMHW
 850 KTAC NSP
 WJW NSP
 WRAP NSP
 CMKC NSP
 KOA Off MM only
 CJJC Off MM only
 CKVL Off Holidays only
 WHDH Off Sun AM only at 4 AM
 WYDE Off Sun AM only
 KICY Off daily at 5 AM
 KHLO S/off daily at 6:30; MM
 S/off at 5:30 AM.
 860 XEMO Off daily at 4 AM
 KONO Off Tues AM only
 CFPR S/off daily at 4 AM
 XENL
 870 HCNV-2 NSP
 CMII NSP
 WWL Off Sun AM only
 KAIM ON daily till 5:10 AM.
 880 WCBS Off MM only
 890 WLS NSP
 HJCE NSP
 900 CHML NSP
 KFRB NSP
 CHNO Off MM only
 CJVI Off MM only (OC on)
 TICS S/on daily at 4 AM
 910 KNEW NSP
 KISN NSP
 KIXI NSP
 WRCH NSP
 WORD NSP
 YVRQ NSP
 KDEO Off MM only
 KALL Off MM only
 WFPB Off MM only
 WLCS Off MM only
 WSBA Off Sun AM only
 CJDV S/off daily at 4:07 AM
 WFDF
 KGLC

CONDITION OF FREQUENCIES

920 WMEG NSP
 CJCH NSP
 XELT NSP
 KORK Off MM only
 KSRM Off MM at 3:15 AM
 KQEO Off MM only
 KOLO Off MM only
 KXLY Off MM only
 WOKY Off MM only
 CKCY Off MM only
 KELP Off Sun AM at 4.
 KREX AN MM ONLY
 CJCJ
 WMNI
 925 TILS NSP
 930 WPAT NSP
 CJCA NSP
 CJON NSP
 WBEN Off MM only
 KEJ Off 3rd MM 5-8 AM
 WSOC Off Sun AM only
 WKY Off Sun 6-8 AM only
 KITE
 HJCS
 940 KHOS NSP
 WFNC NSP
 YVNN NSP
 KAHU Off MM only 4-9 AM
 KIXZ Off MM only
 WYLD Off MM only
 WINZ Off MM only
 CJGX Off MM only
 CJIB S/off 3:30 AM daily;
 earlier MM.
 950 KJR NSP
 WPEN NSP
 WLOF NSP
 KSEL Off MM only
 KIMN Off MM only at 4.
 KDSX Off MM only
 WKAZ Off MM only
 WWJ Off MM only
 WBBF Off MM only
 WGOV Off MM only
 KRST Off MM only
 CFAM Off MM only
 CHER Off MM only
 KPRC Off Sun AM only
 XEGM
 WPET S/on weekdays at 4 AM.
 960 KOOL NSP
 KABL NSP
 CFAC NSP
 CMGL NSP
 KALE Off MM only
 CHNS Off MM only irregularly
 WRFC
 WBRC
 KOVO
 ZFB-1
 970 KCHV NSP
 KQAA Off MM only
 KAKC Off MM 3-6 AM
 WAVE Off MM only
 CKCH Off MM only
 WJYZ Off Sun AM only
 WFLA Off Sun AM only
 WWSW Off Sun 3-4:30 AM only
 HJCI ON Sun AM ONLY
 975 TIRS NSP
 980 KFWB NSP
 KMBZ NSP
 WTRY NSP
 CKGM NSP
 CFPL NSP
 CKNW NSP
 CKRM NSP
 WRC Off MM only
 WONE Off MM only
 CHEX
 990 KTRG NSP
 KTKT NSP
 WIBG NSP
 KTRM NSP
 WNOX Off MM only
 WHOO Off MM only
 KKLS Off MM only
 WPAW Off MM only
 1000 KTOK NSP
 KOMO Off MM only
 WCFL Off MM only
 XEOY Off MM only
 1010 CFRB NSP
 HJCC NSP
 WINS Off MM irregularly
 KLRA Off MM only
 KDJW Off MM only
 1015 HOU-44 NSP
 1020 KDKA Off MM only
 KGES ON MM only until 5 AM
 1030 XEQR NSP
 WBZ Off MM only
 1040 PRG-2 NSP
 WHO Off Sun AM only
 KHVH Off Sat & Sun 5-10 AM
 1045 HOJ-2 ON Sun AM only
 1050 CHUM NSP
 CFGP NSP
 XEG NSP (Off days)
 WHN Off MM 1-4 AM only
 CJIC Off Sat AM only
 KUPD NSP
 CFCN NSP
 CMBQ NSP
 KYW Off MM only
 WNOE Off MM only
 CJRP ON till 4 AM-daily; off MM.

CONDITION OF FREQUENCIES

1070 WFLI NSP
CFAX NSP
HJCG NSP
KFDI Off MM only
KNX Off MM only
WIBC Off MM only
WMIA S/on weekdays at 4:25.
1080 KRLD NSP
WTIC NSP
WKLO NSP
WVCG NSP
KWJY Off MM only
CKSA Off MM only
1082 HJZD
1090 XERB NSP
CMDD NSP
CX-28 NSP
WBAL Off MM only
KAAV Off MM only
KING Off MM 4-8 AM only
CHEC
1100 HJAT NSP
WKYC Off MM only
KFAX ON daily till 4:30 AM
1102 HJCN
1110 KFAB NSP
HJEV NSP
WBT Off 2nd MM only
KRLA Off MM only
KIPA ON daily till 5 AM
KMOX NSP (Off 1st MM only)
KPNW Off MM only
1130 WCAR NSP
WNEW NSP
CKWX NSP
KLEI ON daily till 5 AM
WDGY Off MM only
WISN Off Sun AM only
KSDO ON daily till 3:30 AM;
except 3 AM SM & MM.
HJJC
1140 CKXL NSP
WRVA Off MM only
WQBA Off MM only (SS)
KGEM Off MM only
KRAK Off MM only at 2:30 AM
1150 KAYO NSP
CKOC NSP
CKX NSP
KXLR Off MM only
KWKY Off MM only
KDEF Off MM only
WCOP Off MM only
WJRD Off MM only
WCUE Off MM only
CHSJ Off MM only
XEJP Off MM only at 4 AM
CJRC Off Sat AM only (FF)
KRKD Off Sun 5-8 AM only
XEAD
1160 KSL NSP

1170 KVOO NSP
KCBQ Off MM only
KLK Off MM only
WVVA Off MM 0000-0200 only
KPUG Off daily at 4 AM
KOHO Off daily at 4:35 AM; MM5:30
KJNP Off daily at 4 AM; Sun 5 AM.
HJDP
1180 WHAM Off Sun AM only
1190 KLIF NSP
KRDS Off MM only
WOWO Off MM only
KEZY Off MM only
KEX Off Sun AM only at 5 AM
1200 CMKD NSP
PRB-6 NSP
WOAI Off MM only
1210 CMHK NSP
WCAU Off MM only
1220 CKDA NSP (OC MM)
CHSC Off MM only
CJOC Off MM only
HJKR
1230 KGFJ NSP
KNUZ NSP
KRSY NSP
KMOR NSP
KLAV NSP
KWYZ NSP
KGEE NSP
KWG NSP
WJOB NSP
WQUA NSP
WNOR NSP
WJNO NSP
WUBE NSP
WNEB NSP
WCOL NSP
WITH NSP
WNIK NSP
WNVY NSP
WBHP NSP
KOZA Off MM only
KVOO Off MM only
KRDR Off MM only irregularly
KQTY Off MM only
KCBN Off MM only
WONN Off MM only
WEEX Off MM only
WXCO Off MM only
WSTR Off MM only
WENY Off MM only
WCWA Off MM only till 4:30 AM
WBOK Off MM only
WFAI Off MM only
WFAS Off MM only
WCUM Off MM only
WFVA Off MM only
KSPO Off MM & Tues AMs only
WERI ON Sat & Sun AMs only
WTBC Off Thurs AM only

CONDITION OF FREQUENCIES

1230 WLFH ON Sat AM only
KIBS ON Sat AM only
KRIZ
WBOW
WBIA
WFOM
KDZA
KLVY
1235 ZEM-1 NSP
1240 KMBY NSP
WGBB NSP
WINN NSP
WRNC NSP
WSNY NSP
WKDA NSP
WMMB NSP
WBAX NSP
WROV NSP
WBML NSP
WJIM NSP
KSON Off MM only
KFLY Off MM only
KAKE Off MM only
KROY Off MM only
WIST Off MM only
WBBW Off MM only
WGCM Off MM only
WWCO Off MM only
CKLS Off MM only
CJWA Off Sat AM only (dup CJIC)
CJAV ON Sun AM only
WSEW Off Sun & MM only
WEDC ON All AM every AM
KCLV
KOCA
KBMY
WFOY
1249 HJAD
1250 WDVA NSP
KTW NSP
CHWO NSP
CKJD NSP
XEEDK NSP
CMKA NSP
KTMS Off MM only
WREN Off MM only
WEMP Off MM only
WDAE Off MM only
WTAE Off MM only
WTAE Off 3-6 AM Sun AM only
WTMA
1260 WEZE NSP
WNRD NSP
WWDC NSP
CMCI NSP
WAME Off MM only
KYA Off erd MM (5-8AM)
KGILL Off MM only at 4 AM
WFEM Off SM & MMs
WBUD Off MM only
WILY Off MM only
HJDA

1270 KFJZ NSP
KBYZ NSP
CMJG NSP
WVCA Off MM only
WCGC Off MM irregularly
WKYZ Off MM only
CHWK Off daily at 4:05 AM
WTID S/on weekdays at 4 AM
KNDI ON daily till 5 AM
KIOX
1280 KTLK NSP
KFOX NSP
KNAK NSP
WANS NSP
CJMS NSP
CKCV NSP
CMHM NSP
CMDP NSP
WADO Off MM only
WDSU Off MM only
CHAM Off Sun AM only; occ. MM.
HJKN
1290 KMEN NSP
KTRN NSP
KOIL NSP
WIRL NSP
CJOE NSP
XEDA NSP
KCUB Off MM only
WGLI Off MM only
WIRK Off MM only
WATO Off MM only
WICE Off Sun AM only
1300 WMAK NSP
WRKT NSP
WTIL NSP
KYNO Off 1st MM only
KOL Off MM only
KWKW Off MM only
WTAQ Off MM only
WAVZ Off MM only
WERE Off MM irregularly
CJME Off MM only
KVOR AN Sat & Sun AMs only
1310 WIFE NSP
WRR NSP
WLOB NSP
CKOY NSP
KMOX Off MM only
KBUZ Off MM only
KDIA Off MM only
WTTL Off MM only
WDOD Off MM only
WKNR Off MM only
WGH Off MM only
WORC Off MM only
CFGM Off MM only
WIBA
HJNB

CONDITION OF FREQUENCIES

1320 KCPX NSP
WVOJ NSP
WUNO NSP
WJAS NSP
CHQM NSP
KXYZ Off MM only
WCOG Off MM only
WGMA Off MM only
CKKW Off MM only
WLLS Off Sun AM only
KUDE ON daily till 4 AM
XEAI ON daily till 3:30 AM
~~CKBC~~
HJFR
1329 HJAO
1330 WHOT NSP
HJED NSP
CMAL NSP
WLOL Off MM only
WTEX Off MM only
KPH Off Sun AM only
KPOJ Off MM & Tues AMs
WPOW S/on weekdays at 3:53 AM.
1340 KMAK NSP
KRAM NSP
KHAP NSP
KDEN NSP
KLEK NSP
KENT NSP
KICK NSP
KIST NSP
WEKY NSP
WRIT NSP
WHAT NSP
WMID NSP
WGN NSP
WIGO NSP
WLOK NSP
WOOK NSP
CMGU NSP
KSET Off MM only
KIKO Off MM only
KCKN Off MM only
KRMD Off MM only
KTOW Off MM only
WBBQ Off MM only
WAIR Off MM only
WIRY Off MM only
WHAT Off MM only
WEXL Off MM only
WNHC Off MM only
WLAV Off MM only
WHAR Off MM only
WRAW Off MM only
WJFP Off MM only
WKSJ Off Sun AM only
WJOL Off Wed AM only
XEAA ON daily till 4, ex Sun 5.
KBTK ON daily till 4 AM
KYLK
WQXT
WCMJ

1340 WROD
WOKS
WJOI
1350 WSLR NSP
WEZY NSP
XEQK NSP
WIOU Off MM only
WXGL Off MM only
WSMB Off MM only
CKLB Off MM only
WCVU Off Sun AM only
KRLC ON Sat & Sun AMs till 3:35.
KTOH Off daily at 5; MM at 3 AM.
1360 KXOL NSP
WBAY NSP
WKAT NSP
WKMI NSP
KRUX Off MM only
KRYL Off MM only
KMO Off MM only
KGB Off MM only at 4 AM
WIXZ Off MM only
~~WCHL Off MM only~~
WSAI Off Sun 2:30-6 AM only
WOBS S/on weekdays at 4 AM
KFIV
KVRS
1370 KREL NSP
WCOA NSP
WSPD NSP
KEEN Off MM only
~~WFEA Off MM only~~
WIVV S/on 7 days at 4:30 AM
HJKX
1380 KPOI NSP
KRKO NSP
WTVR NSP
~~KWK NSP~~
WAOK Off MM only
WLCY Off MM only
WTOB Off MM only
KUDL Off MM only
WBNX Off Sun at 4 AM only
KGMS ON daily till 4:05; off MM.
WAMS
1390 WFBL NSP
KGER Off MM only
WLAN Off MM only
WEAM Off MM only
KCBC Off Sun 4-8 AM only
WNUS Off Sat 3:30-5 AM only

1400 WICK NSP
WRHC NSP
WSAM NSP
WDUZ NSP
WFTL NSP
WJET NSP
WJLB NSP
WWIN NSP
WNEX NSP
WJLD NSP
WCOS NSP
WMAN NSP
GJFP NSP
KQIQ Off MM only
KILE Off MM only
KATI Off MM only
WMIN Off MM only
WOND Off MM only
WKPT Off MM only
WKWK Off MM only
WBIZ Off MM only
WFEC Off MM only
WJHO Off MM only
KFRU Off Tues AM only
KXIV Off Sun AM only
KTUC Off Sun AM only
KBMI Off Sun AM only
WHCQ Off Sun AM only
KARR ON daily till 4 AM ex MM
WING ON AN Sat AMs only
KPRL ON Sat & Sun AM till 4.
KCLA
WHIH
WCYN
KODI
WSGA
WNUE
WVOZ
1410 KRIG NSP
KQV NSP
WING NSP
XEBS NSP
KERN Off MM only
WUNI Off MM only
WPOP Off MM only
CFMB Off MM only
CKVN Off MM only
~~CHLP Off MM only~~
WLAQ
1420 KSTN NSP
WHK Off 3rd MM only
CKPT Off MM only
KCCN S/off 5 AM daily
KTOE Off Sun AM only
WBSM Off Sun AM only
WEUC S/on weekdays at 4 AM
XEXX S/on at 4 AM--7 days a week

CONDITION OF FREQUENCIES

1430 KOSI NSP
KALI NSP
KELI NSP
WVAM NSP
CKFH NSP
WIRE NSP
WLAK Off MM only
KARM Off MM only
WIL Off MM only
WNJR Off Sun & MM
WWSG S/on weekdays at 4:30 AM
WNEL S/on weekdays at 3:25 AM
WNAV
1440 WCHB NSP
WABR NSP
WAAB NSP
CKPM NSP
KEWI Off MM only
WHHY Off MM only
KQRS Off MM only
KVON Off MM & Tues AMs
KPRO Off Sun AM only
XELZ ON daily till 4 AM
CFCP Off daily at 3:06; MM early.
KFUR
KILE
1450 KRZY NSP
KONE NSP
WOCN NSP
WMBB NSP
WENZ NSP
WLYV NSP
WMOC NSP
WMFJ NSP
WVON NSP
WQSN NSP
WBSR NSP
WXVW NSP
KEED Off MM only
KAYC Off MM only
KUDI Off MM only
KWBE Off MM only
KBKW Off MM only
KTIP Off MM only
KSOL Off MM only at 3:30.
WOL Off MM only
WMAJ Off MM only
WILM Off MM only
WFPG Off MM only
WWSC Off MM only
WCVS Off MM only
WROX Off MM only
WFBS Off MM only
WNAB Off Sun AM only
KPAL ON Fri, Sat, Sun AMs only
WTSA S/on weekdays at 4:30 AM;
AN Sat & Sun AMs
KAYE Off Sun AM only
KBKR S/off daily at 5; MM 3; Sun 4.
WHBB
WSPB
WLAY

CONDITION OF FREQUENCIES

1450 WKIP Off
 WMAS Off
 1460 WPNX NSP
 KENO Off MM only
 KDON Off MM only at 5 AM
 WOKO Off MM only
 WXOK Off MM only
 WACO Off MM only
 WHEC Off MM only
 CJOY Off MM only
 CMCG Off MM only
 WBNS Off MM & Sun AMs only
 WMBR Off MM & Sun AMs only
 1470 CFOX NSP
 XESM NSP
 WOHO Off MM only
 WKMF Off MM only
 KXOA Off MM only at 3 AM
 CFRW Off MM only
 WVOL
 KRBC
 1480 KBOX NSP
 WRDW NSP
 WDAS NSP
 WABB NSP
 WLEE NSP
 KLMS Off MM only
 KWIZ Off MM only
 KLEO Off MM only
 WWOK Off MM only
 WSAR Off MM only
 WISM Off MM only
 WGSB Off MM only
 WMDD (SS) Off MM only
 VOUS S/on weekdays at 4 AM
 1490 KNOV NSP
 KTOP NSP
 KBON NSP
 KAIR NSP
 KDWL NSP
 WSAM NSP
 WABJ NSP
 WBCB NSP
 WXIT NSP
 WTUP NSP
 WSSB NSP
 CHYM NSP
 CFWB NSP
 CMOX NSP
 WFLB NSP
 WMBM NSP
 KLOG Off MM only
 KWAC Off MM only
 KDOK Off MM only
 KRIB Off MM only
 WOPA Off MM only
 WOLF Off MM irregularly
 WROL Off MM only
 WJMO Off MM only
 WTCS Off MM only
 WKNY Off MM only

1490 WVEC Off MM only
 WEMJ AN Summer Months ONLY
 KBZY AN Sat & Sun AMs only
 WARK Off Sun AMs only
 KDB S/off daily at 4 AM
 KBRO S/off daily at 3:05 AM
 WAJF
 WTRL
 WMOG
 WRMT
 WHSL
 1500 KBBQ NSP
 KUMU NSP
 KXRK Off MM only
 WJBK Off MM only
 KSTP Off MM 4-6 AM only
 WTOP Off 11-PM Sun to 1-AM MM only
 CKAY Off Tues AM only
 HON
 1510 CJRS NSP
 WMEX NSP
 KSOM Off MM only
 KGA Off Tues AM only
 WLAC Off Mon AM only; Sun at 4.
 1520 KYXI NSP
 WTTO NSP
 HJLQ NSP
 KOMA Off MM only at 3
 KACY Off MM only
 WKBW Off MM irregularly
 WRAT S/on weekdays
 1530 WCKY Off MM only
 WUPR S/on daily at 4-AM
 1540 KXEL NSP
 KPOL Off MM only
 KBUY Off
 WPTR Off MM only
 ZNS
 1550 WAAV Off MM only
 WCVL Off MM only
 XEBG Off MM only
 WKFE
 1560 WRSJ S/on weekdays at 4:30 AM
 XEVIP AN Fri, Sat & Sun AMs
 1565 CMGB NSP
 1570 XERF NSP (off days)
 CHUB NSP
 CKLM NSP
 1580 WCLS NSP
 KDAY Off MM only
 WSRF Off MM only
 1590 ELIV NSP
 KSND NSP
 WAKR NSP
 XEMC NSP
 KYOK NSP
 KUDU Off MM only
 WISZ Off MM only
 WALG Off MM only
 WELF
 WETT

CONDITION OF FREQUENCIES

1600 KLAJ NSP
 KATZ Off MM only
 KOGT Off MM only
 KASH Off MM only
 KWOW Off MM only
 WWRL Off MM irregularly
 WUNR Off MM only
 WAEX Off MM only
 WINX Off MM only
 WTRU Off MM only
 CJRN Off Sun AM only

NOTE: If you have any changes, deletions, or additions to this "CONDITION OF FREQUENCIES" Listing, please have them placed in the weekly "AN Situation" Column in DX NEWS. The calls listing with no information following, the data is unknown; if you have knowledge of any of these stations, please do send it in.

The above list has been compiled by Len Kruse, Dubuque, Iowa.

NOTES:

12-1-69

CONSTRUCTION PERMITS ISSUED BY THE FCC By Len Kruse

Table with columns: Call Sign, Frequency, Class, Location, Owner. Lists various radio stations and their owners across different states.

VERIE SIGNERS

Table with columns: Call Sign, Frequency, Class, Name, Title. Lists individuals associated with various radio stations and their roles.

hand - keep them coming! Thank you!

VERIE SIGNERS

540 C BqT J. F. Baird D
550 W KcR C D. Frantz, ESU C
560 K LcZ E. F. Jenkins C
K L V I (C. Baxter) B
(J. H. Hicks III) B
F. C. McIntyre, VP B
570 K L U B E. Rider, E DE
610 W IqO D u/u BU
620 W ScU N C. D. Dengate, CE C
610 W I P u/u B
630 C HqE D u/u B
W M A L J. W. Bowman, DoE B
650 K I K K u/u B
710 W HcB Mr. Noremaker C
740 C B L Evelyn M. Teasdale B
W KpI S Mr. Loving, CE C
770 W EpW C. C. Casey, CE C
810 W G Y G. F. Davis, CE B
850 C KnV L M. Rousseau, CE B
860 W A Z E G. A. Robinson, GM B
870 K IrE V H. Williams, E B
W K A R J. Blakeslee, CE B
980 K A R K T. L. Snider, VP, GM B
940 W McI X R. Millmaker, CE C
990 W GpR T C. W. Ulrich, CE C
960 W B R C J. Walton, E C
K B E E J. Stevenson, CE B
AqV E u/u B
W Cfs H H. W. Crosby, SM D
K X R B J. L. Breece, GM B
1000 K A W A J. F. Williford, CE B
1010 K GcB S D. R. Breger C
1020 K C T A u/u B
1030 C KnS B R. Coutoure, DirGen B
1050 C J R P N. Knight, PD DE
1060 K S C O C. V. Berlin, MngPtnr B
1080 K N C R H. Lang, PD B
1090 W F W R D. Pryard, CE C
K R K D G. N. Riggs, CE B
1150 W J B O E. Oliver, E B
K P L S G. Thomas, CE B
K J N P J. Hanvelt, S B
W WcV A u/u C
1220 W S M E D. H. Libbey, TD D
W F A X M. A. Miller, CE D
1230 K Y J C R. Lloyd, CE B
W Cfr O J. Kershosky, CE D
1240 W B A X M. J. Krupa, CE D
W S N J N. K. Chamberlin, CE D
1250 W E E R J. R. Thoroman, CE D
W DqV A W. C. Campbell, CE E
1260 W W D C M. L. Mostyn, CE DE
W Ix Y R. Quay, CE E
K C O K K. Munger, P B
K FcJ Z J. R. Green, E C
W H L D R. J. Wilson, CE E
W TqS N W. E. Quimby Jr., CE E
1269 W J J N W. C. Cannon, CE DE
1290 W McI L P. Sayl, CE C
W Icr L D. E. Reiffsteck, CE O

1310 K K G F R. E. Gilbert, CE
W CFA M A. Allen, CE
1320 W H H O N. E. Jorgenson, CE
K X R O D. P. Hebert, CE
1330 K FqH L. W. Campbell, CE
W FcB C u/u
W T R E G. Young, M
1300 K C N W T. Keenzie, CE
1340 K R A M D. W. Kushler, PD
K OqM Y K. J. Tell, PD
1350 W N V A W. G. Stallard, M
W IpO U H. E. Railey, CE
1360 W I X Z G. Brewer, PD
W BcA Y u/u
1370 K G N O C. Stark, CE
W IpT H D. Dawson
W S A Y G. P. Brown, GM
W SqP D G. Fulop, CE
1380 W BcE L L. Wilson, CE
W T V R J. W. Kyle, CE
1390 W E A M C. Davis, CE
W CqS C A. R. Hughes, CE
W C E R D. W. Huva, CE
K L P M W. Lewis, PD
K C R C J. Handley, CE
1400 K V O U M. Meineke, M
R. Haskey, CE
K V O P H. V. Smith, CE
K G V L J. Brashears, CE
1430 K G A Y A. Gordon, PD
1440 K U H L A. Weathers, CE
K VrO N A. C. Youngberg,
1450 W VcO N P. E. Cerone
1460 W H E C R. K. Blackburn, CE
W MfB R A. C. Martin, CE
W B N S L. H. Nafziger, CE
1470 C HqO W R. Leigh, CE
K X O A R. Shelton, CE
W V O L W. Robinson, CE
W I N H W. L. Crabbe, CE
1480 W I O S H. Holmes, CE
W H O M C. Freedberg, Supg E
W T L O B. Correll, CE
1500 K B B Q A. Brock, CE
W JcB K u/u
1520 K A C Y Sue Cooper
1530 K G B T J. Mattison, CE
K W L A T.M.W. Dumas, PD
1550 K V A B D. Beckstrom, CE
1560 K ArB I u/u, CE
1600 K UqB A C. W. Pendergraft, CE
C R E D I T S
A - J. Brauner C - (unsigned)
B - R. Wood D - R. Richman
E - C. Mohr
Still a few more (from C. Mohr) still on
hand - may we have yours? Please put
your name on the paper, though, hi!

WWV PREDICTS TA PROPAGATION

Many NRC'ers are already aware of the GEO-Alert broadcast over WWV and WWVH daily, but very few indeed are aware that WWV and WWVH also broadcast propagation forecasts for the North Atlantic TA paths. These announcements refer to the propagation paths in the North Atlantic Area such as Washington to London, and New York to Berlin. The actual forecasts are prepared by ESSA Telecommunication Services Center in Boulder, Colorado, and are, of necessity, only short-term.

These broadcasts are issued during the last half of every fifth minute of each hour on WWV and WWVH on 2.5, 5.0, 10.0, 15.0, and 20.0 MHz, and are revised daily as follows: 0500, 1100 (1200 between November 1 and April 30), 1700 and 2300 GMT.

The forecast is designed to give its users a brief and simplified idea of the condition of the ionosphere at the regular time of issue (each of the above times is actually a "time of issue"), and a forecast of conditions expected to prevail during the ensuing six hours. These forecasts are based on accumulated data from a worldwide network of geophysical and solar observatories.

Among the types of data integrated into the propagation forecast are such items as upper atmospheric radio soundings, reception data, solar activity and geophysical conditions. These data are then combined relative to the usual conditions, and compiled into a coded forecast, which is then broadcast in International Morse Code. The key to this coding system appears below:

DISTURBED GRADES

- "W" (-..)
1. useless (-....)
2. very poor (-....)
3. poor (-...-)
4. poor-to-fair (-...-)

NORMAL GRADES

- "N" (-.)
6. fair-to-good (-....)
7. good (-....)
8. very good (-....)
9. excellent (-....)

UNSETTLED GRADES

- "U" (-..)
5. fair (.....)

If, for example, conditions were normal at the time of the issue of the forecast, but were expected to deteriorate during the following six hours, the forecast might be "N 4". If it were disturbed at time of issue, but expected to improve, the forecast would be "W 6", perhaps.

It is noted here, that the National Bureau of Standards is currently conducting a survey to determine what changes should be made in its format for WWV and WWVH. A computerized questionnaire is available to anyone interested by mailing your name and address to "WWV - 1969", National Bureau of Standards, Boulder, Colorado, 80302. Many members of the NRC who have already completed and mailed this form have added letters requesting that broadcasts of the Fredericksburg "A" Index be made, both as an average figure for the 24 hours preceding the time of issue as well as the exact figure for a specific time prior to the forecast issue. These same persons have also requested that some form of correlation be broadcast to relate past GEO-Alert predictions to actual events, and, wherever possible, there effects.

It is strongly advised that any and all DX'ers interested in propagation obtain and complete this questionnaire. (RJE)

DX SHOWCASE

Wir danken für Ihren Empfangsbericht und bestätigen Ihnen gern die Richtigkeit Ihrer Beobachtung. Sie hörten unseren

Sender:

Langenberg 1.586 MHz 189 m ~~XXXXXXX~~ 800 kW
am 27.10.1969 05.15-06.00 MEZ

Thank you for your reception report which has been checked with our schedules and found to be correct. We are very glad to verify herewith your report.

~~XXXXXXX~~ 800 kW
17.00-05.55 MEZ
(const 400 kW)

Herrn
Prof. Richard E. Wood
1890 East-West-Road
Honolulu/Hawaii

Mit freundlichen Grüßen
With kind regards
WESTDEUTSCHER RUNDFUNK
Technische Direktion

Köln, den 12.11.1969

Above: the first verification of a European station logged in Hawaii in the history of the DX hobby! Below: QSL just received for the Cincinnati-area bootleg station which was very widely heard last summer; presumably this one is now off the air.

EMERGENCY QSL
Station of Cincinnati, Ohio, at night, from the Westbank
shore of the Ohio River.

Please accept this card as temporary verification of "Radio Jolly Roger" until we complete our official series. Your reception is confirmed on 9/8/69 @ 00:28 and 00:39 EST on a freq. of 1580.022kHz. At the time, our transmitter output was 125 watts into a 155' vertical, from Cincinnati, Ohio. Thanks for your most informative report.

73
Bill Kelly

Gordon Welson
19 Irma Ave.
Watertown, Mass.
02172

Radio Jolly Roger - 1580
Pirating from Ohio River
Contemporary rock music
Weekend nights

KYAK

650 kHz 25,000 Watts

P.O. Box 2480 Anchorage, Alaska 99501

Alaska's Most Powerful

Reception confirmed as reported for 1:20 AST on 10/29/69.

Thank you for your report of reception of KYAK. The information you have submitted is confirmed X, not confirmed . We appreciate any and all reports from outside the Anchorage area. For your information, KYAK's towers are oriented due North and South (true) and we radiate approximately 11,000 watts South and 50,000 watts North with a transmitter power of 25,000 watts. Pattern nulls are at 115° and 245° true from Anchorage. Should you ever be in Anchorage, please drop in and visit our facilities. We have had reports from Washington, Oregon, California, Montana, Pennsylvania and Isfjord via Norway, as well as Alaska's Yukon Territory.

Date 11/7/69

Signal

Franklin Butte CE

Th 'An excellent report.'
Canadian
Broadcasting
Corporation

is pleased to verify your reception
on November 9 19 69
of its transmissions from
Station CBOQ, Ucluelet, B.C.
Frequency 340 kHz
Power 40 watts
This station is on the
CBC Canadian Network
Per G. J. [Signature]
Date November 14, 1969

Mr. Richard E. Wood,
University of Hawaii,
1890 East-West Road,
Moore Hall 470,
Honolulu, Hawaii 96822

Both from Richard Wood in di...

This is to confirm your report of reception to KJNP on October 11 1969

Your report was found to be accurate. Thank you for writing.

KJNP, 1170, 10,000 watts days - 5,000 watts nights

Gates BC10H 5/10 kw
Antenna Utility, tubular steel
412' with 210' ground radials

KJNP, The Gospel Station At the Top of the Nation...Friendly Full Gospel Voice

By Donald L. Nelson
General Manager
Date October 14, 1969

Two more from
Richard Wood
in Hawaii...

FDXC Scores

(Standings as of 11/20/69)

CLUB SCORES:	NRC - 50.3	IRCA - 33.5
CONTEST SCORES:	NRC*D - 69.9	IRCA*D - 67.1
	NRC*F - 30.7	IRCA*F - 0
NUMBER OF ENTRANTS:	NRC*D - 22	IRCA*D - 15
	NRC*F - 14	IRCA*F - 7

There are presently 45 DX'ers entered in the FDXC in one or more divisions.

INDIVIDUAL SCORES: (those entrants who have not yet completed their first FDXC form have 0 scores and are not listed here)

NRC*D	IRCA*D	NRC*F	IRCA*F
Starr/Ohio 224	Fish/Nebr 234	Objio/DR 215	No Returns
Freeman/Cal 222	Myers/Ohio 206	Grant/Mass 215	
Waldron/NJ 212	Hartman/Wis 171		
Wheeler/Pa 211	Kaskey/Ca 161		
Kane/Mass 195	Singer/Va 135		
Stilwell/Md 184			
Rogers/NH 140			
Critchett/Cal 131			

NOTE: Scores submitted earlier were incorrectly computed and should thus be neglected. See my Musing in DX NEWS for more information on what everyone believes a great contest -- the FDXC!! (FISH)

BLANK-A

CONFIRMING RECEPTION OF
RADIO STATION WMAL

Place
Stamp
Here

TIME 5:31:54 E.D.T......

DATE Sept. 29, 1969.....

TX 5 KW COLLINS FB-5V
ZFE

4-Tower Directional on

630 KC 24-hr. Service

Name Richard E. Wood

Address 2523 The Wood Hills

City Honolulu State Hawaii

90122

A Journal of Comment,
Technical Articles,
and Foreign DX*

* DX = Dreamed Xploits

Free DX PUEBLO



Official Organ of the Combined Medium Wave Clubs of North America, incorporating the EAD Guys DX Titanic and the IRCAA DX Noose.

VOLUME 1 November 22, 1969

NUMBER 1

Technical Article of the Week - DXing Local Harmonics by Gin Dowser

QSL those locals that your loop eliminates! Domestic DXers have been complaining of poor reception of locals since building new loops from kits purchased from the Admiral Corporation. Tune your new NURCALTAZAFET loop to the frequency you want to hear, then dial your radio to double that frequency. You'll be amazed to get WABC at last - on 1440!! Try it today. Thanks to Happy Foot of Mt. Idy for this hot tip. Watch next month for my description of how to build the new and amazing Dowser Flexible Forked Loop, which when held in two hands bends exactly toward the station you want to hear.

Domestic Tips

Dicky Forest, Editor..

810 kc. KGO Frisco, Calif. Weak 10/27 under 809 European het. Sent a nice and personal v/l, which clearly stated mine was the first report that they had ever had from a station wagon in Hawaii. (Ye Ed'r; Waki Waki, Hawaii).

1230 kc. WWU Loveland, Florida heard with love-in on 2/14 at 0130. (Hefty Blooper; Watertown, N. Y.).

Idy Exdy

Wolfy, Editor..

800 kHz ?? UnID Bonaire, Neth. Antilles may soon operate here with a powerful transmitter. (KIDDY-X).

1214 BBC Usher, Scotland. My radio at work only gets these Scotch stations (Donk Askey; SubErban Sacto, Calif.).

1404 R. Libertad, location known to me. Heard at S10 level on Scotch meter (NB - not on radio; ed) but not logged as I consider it to be a station of interest only to the DXing establishment. (J-XXX Tush, SWANS).

DX Doodles

Arkane, Editor..

A space to draw in while listening for DX tests sked by the IRCC. Use overleaf or other 10 pages for any additional required space.



In Our Next Issue: Dirty DX Novels - Pills Elephant, Lemon Stir, Mass. Book critic
How to Carry Out a Successful Merger - L. B. Johansen, Bison, N. Y.
How ANARC Operates - The Surgeon General, South Smooth Rock Falls, Ontario

In 3 Weeks: The DX Pueblo brings you an 8-page colour comic section with cut-out QSL's to fill in. Another CMWQNA First!!!

As they say in Grassland, Wyoming: KTPG - Keep the pot growing.....

(above arrived at NRC HQ from a Mr. Anon in plain brown wrapper - GPN)

revolutionary offensive in radio *Estas...*

by Glenn Hauser



(North American DX'ers tend to regard Cuban stations as pests to be ignored once identified. This may not be justified, considering the diversity of programming built up since the revolution - over 5 networks, 7 provincial nets and 33 local stations. At least the Cuban Government regards them as a force second only to television for educating and unifying the people. Following are extracts from the 1968 yearbook, "Sonido e Imagen" via Bob Cooper, translated by Glenn Hauser)

The majority of local and provincial radio stations in Havana were found to be in a deplorable, and in some cases, ruinous state. Lack of maintenance on these installations was an acute problem jeopardizing their continuing existence. It was decided to relocate them in order to bring about a leap in program quality, more efficient maintenance, and a savings in fuel.

The following were moved: Radio Popular, using facilities which had been abandoned for years. Radio Cadena Habana and Radio Internacional were installed in a studio which had been serving as a warehouse for pianos and musical instruments. This building was adapted for dual station operation, and an additional studio was built for dramatic programs.

Then the total rejuvenation of Radio Cordon de la Habana was undertaken; and for the final project in Havana, Radio Marianao will be moved to a building with adequate equipment.

But the offensive did not end in Havana: on the Isle of Youth a new building was constructed to house Radio Caribe; in Matanzas, Radio 26 relies on a new recording studio; and in Santiago de Cuba, Radio Siboney and CMKW-Radio Mambi will function with all the advantages of a modern plant. Radio Angulo, in Holuin, is already transmitting from its new location.

Even more plans are in action, including Cadena Agramonte in Camaguey, and stations in Bayamo and Guantanamo, now being installed in new sites. At Cadena Occidental, in Pinar del Rio, work is expanding every day.

The Cuban Radio Institute's technical department has worked on this project during the entire year... a project whose results are already being realized.

A three-year-old girl announcer, journalists who are gradeschool students, correspondents who are iPioneers; this is the staff of the children's Newscast at CMKC in Oriente. The freshness and spontaneity of children are embodied in this interesting experiment: a radio news program informing young students of school and Pioneer activities... done by children themselves. Children from different schools, with child-correspondents throughout the province; an ever-growing movement in search of new correspondents in rural areas. An interesting program broadcast every day by CMKC.

(Also child-engineers too, I think... GPN)

Distance alone is hardly the name of the game in this hobby: if it was, half of the Northeastern DX'ers would probably vacation on Midway or Wake each winter. But heavy reporting of long-distance reception is an indication of CX, and they haven't been that bad lately.

When 1XDX dominates DX News, with everyone seemingly logging 4000 mile plus station, CX ain't bad. By the time one sees dozens of 5000 mile plus reports (with Oahu's usual 5000 mile reports suddenly running 7000 plus), one even notes them from such difficult cities as New York and Boston. The last eight issues of DX News (thru 11/15) make interesting reading with an air mileage chart available.

Twelve reports (Wood and Millar) ran over eight thousand miles. A total of 29 (Wood, Millar, and Sadoian) ran over 7000 miles. The 6000 mile mark was reached by 49 reports, with Hauser, Pejza, and Murley joining the list. The list of 5000 mile reports that got in print is considerably longer: 110 including Merriman, Conrad, Cooper, Erickson, and Nelson on the list. Hope I didn't miss anyone's reports!

(Jay Murley)

Radio in the Northern Ireland Troubles -

In the World of Radio feature recently, we mentioned Pirate stations and the fact that they were being jammed. There was a Left-wing take over of the Civil Rights Movement with it seems the main factor being the left wing extremist group known as the People's Democracy. "Free Belfast" consists of 45,000 Roman Catholic residents in the Falls Road area of Belfast. The clandestine radio station Radio Free Belfast tried to beat official jamming and pump out propaganda with about 20 members of the organization being involved with the station and a small newspaper. It appears that the P.D. movement originated at Queens University Belfast, and there was evidence of association with the Revolutionary Socialist Students Federation. The aim of the movement seems to be the foundation of a "workers socialist republic".

The normal reason for hamming a radio transmission is to prevent views being heard that are contrary to those of the authority of the country concerned, and we feel that this is the normally accepted view that will be held on the subject. The P.D. movement was accused in the Cameron Report of "inciting civil disorder" and previously Radio Belfast had been accused of "inciting violence". This is the stated reason for the jamming. We leave the matter there and say no more.

(Medium Wave News)

ADDITION TO EUROPEAN ZONE BAND STATUS REPORT:

Add:	1402 . 7025	GUINEA, Conakry	100
	1403	GREECE, unid	
	1403 . 0000	UKRAINE, Tartu	20
	1403 . 0000	FRANCE, Brest +	20
	1403 . 0140	SPAIN, Unid	

SUPPORT CPC

12. GEO BROADCAST PREDICTS AURORAL CX : Station WWV broadcasts yield useful info on propagation on MW ECB. 2 pages 12¢.
13. REPORTS TO LATIN AMERICA : Helpful hints on how to make your LA reports more effective. By Cesar Objio. 3 pages. 18¢.
14. LOCAL SIDEBAND SPLASH - HOW MUCH IS TOO MUCH? : A discussion of this particular form of BCI. By G. P. Nelson. 1 page. 6¢
15. A FREQUENT BUT RARELY DISCUSSED CAUSE OF ECB INTERFERENCE : Technical defects or special conditions at the transmitter which can cause BCI. By Jerry Starr. 1 page. 6¢.
16. ASTRONOMICAL SUNRISE-SUNSET TABLES : These charts are used to compute fade-in, fade-out times for stations around the world. With text by G. P. Nelson. 9 pages. 54¢
17. QUASI-MONTHLY PATTERNS IN ATYPICAL MEDIUM WAVE DX RECEPTION: Lunar effects on ECB reception. By G. P. Nelson. 4 pages. 24¢
18. SUMMER RECEPTION ON THE BROADCAST BAND : Seasonal changes affecting ECB reception. By G. P. Nelson. 2 pages . 12¢.
19. A ZERO-SHARPENING DEVICE FOR A ECB LOOP : By. T. Holmes. 1 page. 6¢.
20. LATIN AMERICAN NAMES: helpful hints in addressing LA reports. By Cesar Objio. 1 page. 6¢.
21. THE TRACKING PROBLEM AND HOW TO CURE IT : Installation of a mixer trimmer control for better ECB reception. By T. Holmes & G. P. Nelson. 4 pages. 24¢
22. A VERSATILE LONGWIRE ANTENNA COUPLER : Another look at coupling long-wire antennas for retention of performance. By R. Foxworth. 3 pages. 18¢.
23. ELECTRONIC VERNIER TUNING : A sophisticated project for gaining ultimate tuning performance from homebrew receivers. By Ray Moore. 4 pages. 24¢.
24. SAFETY FOR DXERS AND PREVENTIVE MAINTENANCE : By Jerry Starr. 2 pages 12¢.
25. UNRESTRICTED RADIATION : Carrier Current stations and other low-power operations. By G. P. Nelson. 2 pages. 12¢.
26. MECHANICAL FILTERS FOR THE HQ#180 : Installing mechanical filters. By Jerry Starr. 4 pages. 24¢. (Temporarily unavailable)
27. RANDOM THOUGHTS ON THE CONSTRUCTION OF A FET ALTAZIMUTH LOOP ANTENNA : Helpful hints for better performance thereof. By R. J. Edmunds. 1 page. 6¢.
28. HOW TO LIVE WITH A BUDGET RECEIVER : Techniques and modifications to lower-priced receivers. By R. J. Edmunds. 7 pages. 42¢.

FURTHER ARTICLES will be reprinted within a reasonable time after they initially appear in DX NEWS . All article prices are based on a scale of 6¢ per page. Unanticipated postal rate increases may alter this scale. Any changes will be noted in DX NEWS.

- one addition to above list:
29. SELECTING A RECEIVER : Buypoints in receivers. By R. J. Edmunds. 2 pages. 12¢.



CPC salutes

len kruse !

Congratulations are in order for LEN KRUSE for receiving the CPCer-of-the-Year Award at the St. Louis Convention. Len's efforts on behalf of the NRC CPC have been a great asset to the club for a good many years. Keep up the good work, Len, the National Radio Club says many thanks for a job well done!

Who'll win the FICKLE-FINGER-OF-CPC AWARD for next year in New York City? Maybe you. What have you done about joining CPC?

Hard working DAN MYERS of Toledo informs he will be sending over 100 CPC requests this season and he's already contacted every hard-to-hear station in Ohio and will be working on Michigan next. If there's a Michigan station you really need, you might drop DAN a line.

It looks like a good year for the CPC business, there are FOUR clubs arranging programs and all seem to be doing a fine job. Subject to correction, here's the CPC BOXSCORE

<u>NRC</u>	<u>IRCA</u>	<u>NNRC</u>	<u>RLA</u>
<u>20</u>	<u>19</u>	<u>14</u>	<u>7</u>

I took a number of the CPC Information sheets to St. Louis and they were all given out. I hope some of the members who picked them up have given some thought to joining up in CPC. How about it? Likewise, any member who would like to do something good for the NRC should write to me for his CPC INFO KIT. That's it for now. SUPPORT THE CPC

JERRY STARR

BLANK-B

SUPREMACY RATINGS



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

##	DXer	Location	VERIFIED		HEARD		Verified	
			Ctys	T.V.	Ctys	T.H.	Asia	Best
59	A. Slater	England	130	534			32	KSBU, Okinawa
58	B. Dangerfield**	Pennsylvania	105VAC	403			6	Pyongyang 655
	R. Anderson	Virginia	98VAC	1434			4	Damascus 786 10k
34	H. Gustafson	Illinois	90VAC	818			12	Haifa, Israel 1025 500
39	H. Robie	Massachusetts	82	254			3	Aleppa, Syria 746
58	A. Merriman	Virginia	78VAC	1133			3	Yerevan 863
33	D. Reynolds	California	74VAC	1330			56	R. Brunei 895 10k
39	C. Freeman**	California	60VAC	1282			30	VOA Luzon, P.I. 1140
59	S. Drake	Pennsylvania	55VAC	2342			1	R. Baghdad 764
40	G. Allen	California	55VAC	2690	60	3408	67	R. Sakhalin 973 20k
	H. Wilkinson	California	55VAC	301			87	JOID, Japan 500w
36	N. Maguire	New Mexico	53VAC	2838	82		37	JOOC 880 500w
60	A. Rugg	Quebec	53	1363				
33	W. Routzhan	Pennsylvania	46	3095			26	FEN, Japan 1580 2k
63	G. Scrimgeour	Ontario	44VAC	486			24	Zahadan 777
	R. Wood	Hawaii	43	428	68	985		
54	J. Starr	Ohio	41	814	46	1112		
65	B. Raczko	Ohio	40	250	48	1085		
52	E. Johnson	Illinois	28	2759				
	J. Neff	New York	28VAC	280			1	VOA 1178 (Okinawa)
63	P. Kilroy	Washington, DC	28	165	37	744		
	D. Phillips	Alabama	25	549		1394		
64	B. Reynolds	Missouri	24	783	34	1515		
31	F. Wheeler	Pennsylvania	23	1594	26	2616		
67	C. Reno	Connecticut	22	106	23	300		
68	F. Waldron	New Jersey	20	600	25	947		
65	R. Hays**	Kentucky	20	353				
63	J. Conrad	Florida	16	167	24	451		
41	L. Kruse	Iowa	15	4003				
62	C. Mohr	New York	15	400	19	598		
67	J. Renfrew	Connecticut	14	194	18	588		
66	M. Northam	Oregon	13	253			4	Vladivostok 548
65	J. Kadet	Maryland	12	703	62	1871		
65	D. Carlson	Illinois	11	312	18	950		
68	J. Pejza	California	11	155				
62	R. Edmunds	New Jersey	10	226	20	917		
64	D. Whatmough	Ontario	8	652	26	1509		
64	M. Sorenson	Ontario	8	340	10	538		
67	R. Eddie	Missouri	8	335	13	735		
65	R. Richman	New York	8	278	11	443		
63	D. Eggert	Indiana	8	202	20	1274		
	D. Erickson	California	6	440				
68	R. Schneider	Wisconsin	3	29				

Welcome to Richard Eddie. A better showing this time for "heard" standings. They show that most old-timers do not keep "heard" logs like the newer DXers. ## = year started DXing VAC = Verified all continents T.H. = Total heard ** Last call for these members to bring their standings up to date. Don Reynolds suggests a listing of most distant veries (distance from station to DXer's location). Will run this entry in 2 or 3 months, so please send your 1st and 2nd choices in to me. Give the station call and location. If you wish, you can estimate the distance. Don or I will check the distances out. Next month, African totals and best African. Have a fine Holiday Season and Good DXing. 73 and Aloha, Norm