



DX News

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Even with our editorial sheathorn we still couldn't fit all of the material on hand into this edition of DX NEWS; feature and other articles with relatively low time value have been held over until next issue. Next issue, dated June 7th, is in two weeks; then we go monthly for the summer. Time your mailings accordingly.

THIS WEEK

WWV's Hourly Broadcasts of Geomagnetic/Auroral Conditions

Latest NRC Log Updater (through 5/1) By Russ Edmunds

For Auroral Nights - The Latest Colombian Station List From Cesar Objio

ANARC Report and DX'er Census Form from Phil Sullivan

Plus all of the regular features that make the NRC the #1 MW DX CLUB...

LAST MINUTE SPECIALS:

5/26 KOBY 1550 Reno, Nevada 0200-0230 NRC Test; info from Roger Winner arrived too late for last issue. While only those members fortunate enough to have Saturday or Sunday delivery of DX NEWS will get this info in time, hopefully there'll be enough people sitting on this channel for 4QD to provide a good turnout. Address in Holiday Lodge, Box 6206, Reno, 89503. The CE, Tom Magowan, will accept calls at 702-747-2500.

6/2 WPKY 1550 Greenville, N.C. 0230-0300 1 kw Test for RLA
6/20 WSNY 1210 Schenectady, N.Y. 2300-0000 Test for RLA; usually 250 watts but will be a full 1 kw for this broadcast; time for this one originally given in EDST for 6/31 by RLA; be careful of date...

THANKS

to Glenn Hauner of Colorado for his fine plugs for the NRC in his Denver Post column on DX'ing (under the name "William Glenn"); Stew MacKenzie of ASWLC for his fine words of praise for the NRC in the April SWL; and DDXD Editor Randy Kane for once again volunteering his time and effort to prepare the new NA station list for the Summer Edition of World Radio Handbook! GPN

R.B. NICKAND
CELLS
sent by July

May 24, 1969

CONGRATULATIONS!

To Mr. & Mrs. David E. Roys, who were married very recently in Indianapolis, and who will live in Middletown, New Jersey. We all will have the chance to meet the Mrs. at Dave's (and her) get-together Saturday, June 21st. We hope they both have a very long and happy wedded life!

KDEM-1490, Dillon, Montana, will be on from 2:00 to 2:30 a.m., E.S.T., for a frequency check, dedicated to WRC, on Monday, June 2. Reports go to Mr. Burt Oliphant, KDEM, Box 950, Dillon, Mont. 59725. (D. Erickson)

Too late department; KPOT-1050, Big Bear Lake, Cal. was to test on May 26th, beginning at 3:00 a.m., EST, with 250 watts, finishing time not specified. (Br. Al)

NEW MEMBERS!

MARK ROBINET	257 McKay Avenue	Windsor 11, Ontario
GASPAR VELOSO	293 Vine Street	Bridgeport, Connecticut - 06604
CHARLES W. GOOD II	652 Shyrook Avenue	Indiana, Pennsylvania - 15701
T. J. GREENHILL	100, Hertingfordbury Road	Hertford, Hertfordshire, England

PROSPECTIVE NEW MEMBERS??

If you know of anyone interested in WVDX, and who is not a member of the NRC, won't you be so kind as to forward his name and address to Ray S. Moore, 116 Walnut Street, Walpole, Massachusetts, 01981. We'd like to try to interest these folks in YOUR favorite Club, the National Radio Club!

Dr. JOHN W. RICHARDSON of Cleveland Heights, Ohio has sent a note telling us he is sending, under separate cover, info on boxes for killing journals. He says #4D is ideal for filing DX NEWS & Radio-TV Departmenter. 6-B is good for 8x11" (IRCA). However, the descriptive literature had not come at this writing, 5/19/69.

ROBERT A. SCHNEIDER II of Waterford, Wisconsin comments that Ye Ed must have his electric typewriter going now, as the last issue looked terrific! He's right, and it has had a couple of spelling lessons, too, and while it passed, it didn't get a perfect score - but that would cut down on the laughs! During the hot summertime, we'll probably be using "Old Friends" for Musings, so as to type out in the yard in the nice warm Summer Polution.

CONVENTION NEWS is either in this issue of DX NEWS, or the next, which will be out in a fortnight, under date of June 7. Deadline in Brooklyn is Monday, June 2.

ERNEST R. COOPER - 438 EAST 21 Street - Brooklyn, New York - 11226

A three-year-old-incoming verie arrived, v/f, from WBIX-1010 for 1966 reception! So, patience and fortitude, all! DX not so hotky around here. 4/27- WAMB-1580, Waynesboro, Pa. 1/1/69 12:44-12:51 atop, and PP/c sent, w/no results in over three weeks. WAMB-1580 caught @ s/off in the clear, as other 1550 stations (like WXVA) went off an hour too soon, forgetting they had an extra hour what with DST having come upon them! A PP/c to them, and a PPT to me so far here too. WDSL-1520, umm, heard @ s/off, 4pm. MM 5/5- UnID SS s/off-770 @ 12:56am. Later, spur from WABC-770 noted on QRP, and to find one on a split channel. 5/7- F/c-PT ended @ 1:17am on 1270, I think he said WDLA. Anyway, 'twas lkw. 5/18- XERH-1500 atop @ 11:55pm & into MM, can't be here, all! WTOP was off. Who was the L&C SS-790 who said Radiodifusora Venezuela, but who kept mentioning "Musica de Norte America" & mostly rr, some US in RR. Who dumped all US domestic ANs here @ 1:06 & on. The 1460 SS was religious mount, 1/1/69, too @ 1:37-2:07, but not lded here. Keep DXing, boys, & keep Musings, & we'll C U N 14. Let-s Go MEES!

THANKS TO WHCU

It's not too often that a radio station in the U.S. is seized, but April 19th WVBR-FM was the victim of the occupation of Cornell's student union, Willard Straight Hall by some 90 members of the Afro-American Society, not called the Black Liberation Front. As the only active DXing staff member of WVBR I'd like to extend public thanks to the people at WHCU for lending us studio and office space - which permitted us to carry on almost normal operations throughout the crisis.

After being informed that the seizure of a radio station was a federal offense, the BLF members gladly allowed us to turn off the transmitter, and in fact there was no damage to the facilities other than that caused by a group of students who broke into the building through our studio windows to try to "liberate" the place and found a fight waiting for them. We actually lost only 77 minutes of air time, first transmitting from studios in a private apartment, and later from the less vulnerable studios of WHCU.

I must also publicize the tremendous work of the phone company, who moved our entire operation including broadcast lines to the transmitter, out network line, and the studio news and phone lines. And, especially, hats off to WHCU for all of their assistance!

Douglas B. Meyer, WVBR

[Doug adds that he'll be glad to fill in anyone with the real story of what happened at Cornell; his address is 34 Lewis Place, New Rochelle, N.Y. 10804]

WHAT IS RLA?

Basically, R.L.A. is a fairly new radio and TV dx club, with over 200 members coast-to-coast and in Canada, many being disc-jockeys and engineers. R.L.A. publishes the twice-monthly "GrabBag", the club magazine, which includes member reports, top DXers listings, new F.C.C. actions, spotlighted countries, states, and provinces, histories of stations, and other handy bits of information to aid the DXer, including a question-answer column.

R.L.A. gives equal help and attention to the beginning and advanced DXer. Our aim is to further the hobby and make it as enjoyable as possible.

The President is Ken Hopkins, a disk-jockey at WBGM-FM, Tallahassee. He and Vice President Don Barone, a veteran DXer, share National Headquarters at P.O. Box 2162, Tallahassee, Fla., 32304. Besides Ken and Don, there are regional Vice-Presidents, each specializing in a club function such as Publicity, Annual for 1969, Membership, etc. HQ for New England is at 41 Palm Plain Road, Sharon, Mass. 02067.

R.L.A. New England headquarters is also the QSL agency for WKOX AM/FM (1190 and 105.7) Framingham, Mass., and for WRIM (FM 93.3) Taunton, Mass. New England's Boston member is a disc-jockey formerly of WUNR, and the Fall River member (Warwick, R.I. HQ) is the GE of WALE.

We invite members of the NRC to join R.L.A. so that we may further the joint effort to improve both clubs and make the DX'ing hobby as satisfying as possible. For all members interested, R.L.A. arranges tours of large radio and TV stations, along with small local ones.

R.L.A. appreciates the NRC Publication Committee for printing this letter, and we wish the NRC continued luck and growth in the future. Sincerely,

Sheldon Swartz, 6th vice president and publicity director, R.L.A. New England

May 24, 1969

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

Moderate CX & frustration in the mail is the best way to sum things up. DX details (in E.S.T.): 4/27- WCOP-1150 Mass. w/c/w & NBC NX @ 10:57-11:06pm. MM 4/28- Finally, a logging on 1270; it was in the form of WXYZ Mich. w/ Mason-Williams songs. Two unID SS stations heard; one on 660 w/Camptown Races in SS some time after WNBC s/off. The other was on either 1020 or 1030 after KDKA/WBZ s/off. 4/28- Still another Cuban! This time on 550 @ 10:45pm. No sign of CFNB WGR or WHIM-550. 4/29- CHOW-1470 Ont. w/Midnight headlines & s/off @ 11-11:05pm. 5/1- WDEL-1150 Del. @ 9:55-10:01pm, & again 10:24-10:30 w/ads, NX, MoR, & racing results. Del. #2. 5/2- WCHE-1520 Pa. @ 7:15pm s/off, no KBW until later. At 9:32pm, WGET-1320 Pa. in for about five seconds w/ID & BB (I think). Impossible to recover them, due to both WJAS & CKEC. 5/4- WMBD-1470 Ill. w/Midnight Edition of WMBD Total NX @ midnight. (EST & CDT). WOKO-1460 NY @ 12:35am w/c/w. WHEC-1460 NY w/RS @ 1:09am. Helpful local WBNX off again for a short time 5/4, so WEOK-1390 NY logged w/Yankee BB s/off, local ads, & mx. WERI-1230 R.I. w/WFAS, momentarily w/ID @ 9:30pm. MM 5/5- WBAX-1240 Pa. w/Hi @ 12:15am. Also DOD-1300 Mich. w/NBC's "World in Washington", & s/off @ 12:30-12:50am. MM 5/10- CJRS-1510 Que. w/MX & NX-FF @ 11:30pm-12:05am. WNOR-1230 Va. @ 12:07am w/rr. CHAM-1280 Ont. w/Texaco ad @ 12:30am. Graveyarder WARK-1490 Md. caught @ 1am w/ID & NX. Two full weeks now, in which my only new stations have been heard on MM. I'm thinking of replacing my \$33 table model w/a Hammarlund. My ten states, and provinces, the most stations logged, in order NY, Pa, Ont, NJ, O, Va. Conn, Mass, Que. & Ill. Verie situation: Much wanted veries from CBT & WLOB not in yet. Others, however, have come in: v/q- CBM (after third try) CKEC WSLR XEG CHOW WGSM & AFRTS (card indicated SW from Bethany, O. XR, but frequency on which I heard it - 1580 - written in). v/1- WORK WRNL WENS WHEC WDEL (very nice letter about NRC). v/f- CKMI CHIN WMBR WMBD CHAM. Altogether, 53 reports have been out long enough for me to consider the stations as holdouts. F/ups will soon be flooding the mails. 36 x 2.

PFC JOHN T. ARTHUR - 595th Sig Co. (Inf), APO - San Francisco, California 96221

Much has happened since my last Muse- like I moved half-way 'round the World, from Germany to Viet-Nam, for instance. Presently I work 12 hours per day, seven days per week at the Radio Relay Site, so no nocturnal DX. Besides, my only RX is a Panasonic R-441, eight transistor, four-band job, & it isn't the most sensitive thing going. I'm stationed in Phouc Vinh, where we support the "Mighty" (??) 1st Cav. Fairly safe here - we've only been rocketed twice in the six weeks I've been here. I think they're having everything for Ho's Birthday (5/19). If anyone wants to write, I'd appreciate the mail - and I will answer all letters. If anyone knows the call-sign prefix for Viet-Nam I'll even swap cards! I'm trying to find an audio compressor of the type Lafayette used to sell for CB sets. If anyone has one (w/manual) that they'd like to unload, please contact me at my present address as soon as possible stating price & condition. Sorry I didn't get a chance to eye-ball Jim Neff or Bob Bark while in DL4 Country - maybe I'll have better luck here? Best from Run- and all the Way w/TA in '84! 73. (The very best to you, John, and do write often -ERC)

MIKE HARDESTER - 401 Birchwood Court - Modesto, California - 95350

Not much DX to report on my main RX has a burned-out tube. Only DX to report is as follows: 4/26, KIDD-1180 @ 5:50-6:20pm w/good signal & some QRM from KOH w/Giants' game. 4/28- KFAB-1110 @ 4:39-5:03amw/continuous instrumental mx, moderate QRM, KRIL-1080 @ 6:39-6am, slight QRM until 6 when XERB-1090 signed on & dominated 1080-1100. CBZ in Boston is an impossibility since an unID SS appeared on 1030 or very close to 1030. Recent verifications all cards are WLV CBK & KFAB. Buenos suerte y good DX. Sorry I didn't sign my 4/22/69 report.

DAN MYERS - Box 311 - Toledo, Ohio - 43601

Greetings, NRCers! Would you believe three issues in a row? H'mm, very strange. Seems like I forgot to sign my name to my last report. It wasn't that I was ashamed of it, hi, I just forgot. v/1 from WSME for TEST 4/26. Not much DX:

WKYE-1550 Tenn. 5:06am post-s/on. 5/2- WSHN-1550 Mich. @ 1:20am. New WRTH came from Gilfer, a welcome sight. It looks good but I haven't gone through the fine details yet. All the pages fell out of the old one & I was happy to throw it out. 5/5- A touch of the unique. Such marathon broadcasters as WWDC & WTOP were off at times & both making f/c. WWDC probably hasn't made a f/c-TT in at least two years. DX: WTOP-1500 off 5/4 11pm but f/c later off & on. 1530 unID SS @ 11:50pm, played "Spanish Flea" in EE & s/off-SSB @ midnight w/power of 50kw day, 1 or 10 night. Is this KGBT Tex.? They SS? WKBW splash terrific. WAME-1260 Fla. s/off 12:20 u/WWDC OC. WICE-1230 R.I. 12:22am. WWDC-1260 f/c @ 12:20am, sounded like WCTR or WCCR (not WBBR) w/CDT TCs @ 12:50am playing c/w, this on 1580. WISM-1480 Wis. weak @ 1. WNDR-1260 N.Y. 2:30am w/NX & WX. WWDC was off.

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

Slowly & steadily I just keep rolling along. Four new catches since my last Muse. And speaking of Muse, our plant manager at the Atlantic Richfield Co. is A. A. Muse. And also speaking of ARCO I wish to welcome aboard the ARCO to Isaac Eaves of Houston, who became an ARCO employee w/the merger of ARCO w/ Sinclair. Veries in from WAFI WNCT WCVR WBBH & WDJM. Now on the DX: 4/20 saw WUNR-1600 Mass. ex-WBOS on RS @ 12:20am. Then on 4/21 a dual Tenn. logging w/WSLV-1520 down in Ardmore w/their "Dixie" ET @ 1:34am, & WDJM-1130 Selmer f/c @ 2:10am. Then w/a week's vacation I was early to bed each night as I was painting my home & DX took a back seat. But on 5/11 WGMF-1500 w/apparent OC test as IDs were all that were heard @ 11:04-11:12pm. I hope you will excuse, this is before midnight, EST. Richard Wood, on my v/q from PJDP Robert Mayer did put a personal message to me. While not a letter it was a divergence from a standard v/q. And it looks like I jumped the gun on WEEZ- they are back on AN-6 again, drat. Russ Edmunds, do you have any data on the Clermont, Fla. on 1340 that was WGLD, call letters now assigned to the Donaldsonville, La. outlet. I never saw a delete or call switch on this?? To those interested I am still trying to get the baseball nets for the Phillies, Yankees, Boston & Pirates who are all sponsored by ARCO. I'll have to give my supplier a shout on the landwire to see if he has forgotten me. I also think ARCO has some D.C. & Cleveland net stations. Keep the pinkies crossed & I'll do my best on these. And don't let the Summer static scare you off. At least give a look once in a while as some nights are still static-free. Good DX to all. 73.

JOHN W. HOOGHEIJDE - Box 941 - Marquette, Michigan

4/18, I finished an excellent Auroral evening @ 11:30pm w/HRU-860 R. Centro de Tepic Jalpa. Only a very weak CJBC present. No Auroral CX noted the rest of the week though little DXing was done. 5/5 @ 1:30am I black on 600k, since the usual ID was not noted. I was rewarded w/WCAO "R. Baltimore" atop CFQC in one loop direction & also new CFCF in EE atop an unID EE. Two new logs by just turning loop. WMBD-1470 off again, only XESM, R. Fienta, still above. Let's hope WMBD becomes regular MM ID. (Ha, they're off AN altogether now -ERC) KMOX-1120 off by 2am & weak SS behind, reminded me of my most common SS while in Chile, R. Minutera. I loved that almost every 2-3 minutes "R. Minutera de la hora oficial de Panama." In Chile I'd not my watch from that station. A move from 1114, a new log & new country completing all of CA. Totals now 976 w/49 stations (most Alaska) & 26 countries, since October, 1968. 5/11 WJBC-1230 midnight s/off, also WXO-1330 Inter-mixed at 12 s/off. That left a poor WHBY w/Mutual NX 1111 12:05. Weak SS again noted on 100 after WBB' 12 s/off, third MM in a row. It seems to have had s/off. KARK-990 noted late this AM- At 12:25 w/sports. Great Halifax in other 11p direction & quite strong. No sign of usual dominant "R. Tepic Jalpa." KIC-940 12:30-12:36 w/religious "Master Control" show. Should be a cinch in Midwest. WPAF-970 again w/ LP album, way o/WKY @ 1. CJRX-940 very good 1 w/NX. CHNS-940 again good 1:05 w/NX & sports for second N.S. of AM, easy now that CKWS in off AN. Interesting TT well q/ WING 1-1:15 s/off but no ID, looped E/W. Also TT on 1340 1:15-1:20, I missed the two IDs, sounded like WJTN, looping SE. TT-1570 s/off 1:33 but again I missed ID. Low rr-1580 asking for long distance calls, 1:20-1:40, and TTTP. Sounded like WBBF or WFRL. Gave EDT TC. Soft mx on 1570 was probably WPCW tent but no ID between selections & to bed since WPCW is unid & tomorrow is a busy day.

May 24, 1969

RALPH M. JOHANNIS - 501 Ellicott Street - Apt. 2 - Buffalo, New York - 14203

Locally WKSX-1340 Jamestown NY remains on air, but WNYT-TV Ch.26 quit till end of year due to \$\$ difficulties. A suburban radio (WNIA-1230?) can be bought for \$\$\$\$. KFBK-1530 Cal. has the K/Giants Bc sked 4/7 to 10/2. DX NEWS #29 is dated 5/3 and ERC gives his "deadline" 5/20 (Tuesday) but better use the 19th (Mon.) W. Heinen is going to Alaska next week although he had a Hawaii choice, rest of spots were filled by USCG. Jerry Starr sent a card for the 5/12 WTOW f/c, they were WAQE till 2/67, then changed. I heard 'em 11/67 w/WTOW, but heard test & lots of CKIM-AN QRM. CHNO-900 not d AN 5/7 while CHML is still off four hours, & then XEW RS comes in; WBOL's r/c on EDT. 5/8 WKXV & WOTR r/cs on EDT. 5/9- WYWN AN (the old WERC)-1290 (1260, no?- ERC) WIOE & WCBG testing. v/q- WMAL-630 WDBJ-960 WKAP-1320, also v/1; v/1- CFSL-1190, WMTC-730 for 1965 (his conscience bothered him, as it's a religious station) v/1 WXHR--740 (3.15/67 TEST) by same signer of my WCAG-740 TEST (no comment) ERC: goof 4-U; that UR getting UR monthlies back, strain is showing now, also I'm not SOUTH/L-E-Cott (no such). (I know I'm expected to be 100% perfect all the time, Ralphie, but make it 99% last issue, eh? -ERC)

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

DX still keeps bouncing into this obscure corner of NJ. 5/2- WSWV-1570 logged on annual PoP 11:15-11:30pm & on. 5/4- WBMJ-1190 heard again, this time on RS u/WOWO @ 12:38 w/20-20 NX & EE-rr, very rough copy. Then @ 1:10, WRSJ-1560 w/NX & good signal, so thought to be the Cuban, but then WRSJ put on P.R.'s NA, s/ off in SS, & then SSB. PM, CKLD-1230 ending FF CBC mx show, then s/off @ 10 59, way atop. MM 5/5- CHGB-1310 noted strongly atop till FF s/off @ 12:01. WABC cut it off @ midnight LT for a pleasant surprise, finally logged KOB @ 12:25 w/a religious program, completely gone after 12:30. An !!! there, too. That makes State #44, sixth new state heard since October. WNUB-1440 briefly topping WFBL @ 1:44, then way under. WONE-980 logged for a report @ 1:40 w/c/w & WTRY nulled. Then @ 4:45, I was what you might call surprised when I heard KCTA-1030 topping WBZ briefly w/an all-SS mx program. At 5:12 they were still occasionally audible u/WBZ. Apparently KCTA is allowed to s/on at Boston SR, which in 4:30 in May. Backtracking, I missed hearing on 5/3 WCST-1010 ET/mx @ 1:32 u/CPHD (WING does not exist). 4/6- WWIN-1550 on top @ 4pm already. 5/7- Anybody needing Vermont's capitol should look for WSKI-1240 whenever the Yanks play a night game on the WC, as they were well atop after WGBB's 12 s/ off. Someone else was echoing the name on 1240, whom? 5/8- Two on 1490 carrying Yanks BB s/off @ 12:30, one w/WBZ & the other w/America. 5/11- WLWL-1330 made it through WHOT @ 2:32 w/tel-talk, rough copy. PM, CHRS-1090 FF way atop WBAL @ 6:56 w/NX. MM 5/12- WBMJ-1190 heard for third time this time w/ET/mx @ 1:22, three SS-accented IDs. No DXes made it. WIXY-1440 @ 2:10 w/TT. WTRY-980 was off, but just WONE & WJRZ there, no KSVG. WFTR-1440 v/c-TP @ 11:50pm by nulling WCCT. A few stations decided to send veries, namely: w/q- KOAM-860 WKOY-1240-DX, said most distant report so far came from Nebraska, & that he'll retest for us in the Winter. WCTR-1530 WONE-980 WSWV-1570. v/1- WNNB-1440 for State #42, plus ham QSL, WCST-1010 CJBQ-800 WNUB-1390 KIOA-940 after a couple of f/ups, plus CM, WACB-1380 from Jan., v/f- WORK-1350 from 8/68.

DAVE CARLSON - 516 Hickory Hollow - St. Louis, Missouri - 63122

Just two new veries: KIOA 1440 v/1 & KALF-1510 v/f for TEST. This will be my last Musings from St. Louis as our moving date is around the first part of June. New address as of 6/1 will be 901 Benn Drive, Chatham, Ill. 62629. Chatham is about ten miles S of Springfield. From Hickory Hollow I heard about 950, & verified 312 stations, most of which came after I joined the NRC in 10/66. The other totals were 45/41 states, 6/5 provinces, & 11/11 countries. Best verified are probably KDAY-1580 Trinidad-730 4VEC-080, WYNN-1190, & WHDH-850. Again, I ask those of you who are definitely coming, or are even thinking about coming to the CONVENTION to drop me a line as soon as possible. I'll send you complete information and the works. Things are progressing pretty good now for the CONVENTION, & no one better miss it. A few surprises, too, are planned for the big banquet on Saturday night. That's about it, so 73s.

May 24, 1969

ROBERT A. SCHNEIDER II - 301 Franklin Street - Waterford, Wisconsin - 53185

Greetings, long time since last Muse. Some DX, from about three long sessions. 3/28- WVOJ-1320 @ 10:26pm poor u/WIIS w/c/w. 3/30- KFVR-550 @ 1:12am w/rr & HB tournament; WDAF-610 @ 2:09 w/MoR u/mess; another Canadian CKCK-620 @ 2:22 w/rr; WTIK-690 @ 2:47 w/rr & good signal; Canadian CJGX-940 @ 4:24 RS, but never logged; surprise of my life w/WBRC-960 @ 4:35 w/MoR & good signal; WNOX-990 @ 4:53am w/rr which ended a long morning session. 3/30 PM- WHFB-1060 @ 1:55pm w/MoR & NX, WNNI-1080 @ 3:02 w/NX a surprise u/mess; WYFE-1150 @ 6:50, another regular finallu logged. 4/4- WAVE-970 @ 12:56am w/MoR & NX. 4/14- WCAL-770 @ 1:20 v/TEST, good signal, but interference from WABC switching OC & TT; CGLC-1150 @ 2am, possibly CJLC, in FF w/tel-talk & MoR, not listed anywhere, who & where? KFBC-1220 @ 3:32 w/TEST. 4/21- WKYX-570 @ 8:30pm after pest WMAM s/off; KALF-1510 @ 3:10 w/TEST; KBOX-1480 @ 4:59 w/c/w & car promo, another surprise @ .5kw; WLTH-1370 @ 5:22 pm regular during Summer; KDTH-1370 @ 7:59pm u/ LTH w/NX. 5/1- WSBT-960 @ 5:53pm w/NX. The Hrathkit Q-Mult. is together now, helps a lot. I had a half wave folded dipole cut for 1050k up for a while, till the insulator at one end snapped. I guess the 103' run is too much for it; I'll have to figure a way of reinforcing the ends. Recent veries are mighty few for approximately 30 reports (15 taped) out. KALF-1510 v/f for TEST (returned tape & veried in one week), WKYC-1100 sent duplicate v/qs for two reports veried in Feb., WKY-930 v/q, WVOJ-1320 v/r & WMAM-570 v/q for 100w. night reception. No notation of 100w. power, returned, asking the addition be made. v/q was returned in two weeks. As the IRCA members know, I'm the CPC chairman for the region including Texas & Okla. but plan to have TESTs co-sponsored by the IRCA and NRC. Anyone w/info that will help to get good tests from this area, please write. J. Starr: Mom cleaned my room & tossed out the CPC info you sent. Please send me duplicates & the NRC region map. Near the limit, so I'll s/off now, 73 & good DX. (Please use AM & PM times, Robert - Thanks! -ERC)

R. J. EDMUNDS - Box 291 - Hawthorne, New Jersey - 07507

Greetings & solutions. DX light since last Muse due to work, bad CX UnID on 1370, 7pm w/Mutual NX, religious program "Finding Fault", who? 5/3- WECB-1490 @ 4:17; WCSS-1490 w/4:30. 5/8- WKOL-1570 u/unm WTOW/WPLR @ 7pm; WGR-1550 7:23-7:30. 5/10- WOHV-860 u/TEL 3:40pm. 5/13- WDEW-1570 @ 6:55-7; WPTW-1570 7:25-7:30. Reports out to WDEW, WPTW. Veries from CKIS WCAL v/q; WATE v/c. Un-veries from CKKW-1320 CJOE-1290. So what domestic had Bruins-Canadiens hockey on 1290 4/22? 1320 is (was) really CKKC in N.S., as is EE. I should not only be getting my new car soon, but also moving into an apartment finally. I expect to be a bit West of here though. About 15 miles from work, 20 from here in Troy Hill, so I'll have close to 50 between me & NYC, as well as two extreme locals. WIAN-1410 in about 5 miles away, & WPKT-1310 right in town, but also probably about five miles, whenever they come on. I will try for TESTs from both next Fall, & from WPTW when ready to go on air. CU all in NY. LAUREL, & Middletown 6/21. DXers of all types, unite to help stamp out IXT. All stations adhere to local time instead of EST, which means a real mess. Also means that EST TESTs are so late I can't get 'em & get to work in the AM. Grrr. Only benefit in for Central Time Zone, where CDT = EST mathematically. No real advantage there. I'd be happy to convert from 24h Standard to EST, so long as stations observed one fixed time year-round. 73.

SHELDON MILLER - visiting in New York, N.Y.

The following DX is from N.Y. where I'm spending some time. I heard quite a few stations never heard in Miami on MM 5/12. CX seemed no poor here as in Fla. WAPA-630 San Juan, PR, noted strong @ 3am, apparently NRT. WJMI-850 Mass. good signal, 4:15. WBEI-1240 WP, where? This around 3:15. WNNI-1010 & WGBB-1240 noted AN. FF-1410 Quebec strong @ 3:35am. CHUM-1050 noted w/rr @ 4:00, good around 3. WGH-1310 noted poorly about 3:45. I wasn't able to pick up any Fla. stations, except for a possible WSON-620. 73.

REMEMBER TO USE ONLY E.S.T. IN MUSINGS REPORTS. KINDLY DO NOT USE THE 24-HOUR TIME METHOD, BUT RATHER, THE CONVERSATIONAL A.M. & P.M. ONE REPORT PER DX NEWS!

May 24, 1969

BOB HOSTETTLER - 417 Irving Street - Lake City, Minnesota - 55041

Greetings. Since my last Mize there's been no DX here. I did try for some of the TESTS on 5/11 but to no avail. I heard a TP on 1340 w/WFIT when KIJV was supposed to be on but I didn't hear an ID. KXRA-1490 was on, but is unrn here. I fell asleep before the KSVG-980 r/c so I didn't hear them either. I'll have no opportunity to try for WSME or KROE on 5/17, but may be able to try for WFLN-900 on 5/26. I would like to have a little DX during May, hi. But of course the Summer static won't help either. One verie rolled in the other day, a v/1 from WTUP-1490 w/SC for reception on 3/24. Continuing from last time on the local scene; KQRS-,440 now p-ays progressive rock (underground) starting @ 10pm mightly. KUXL-1570 has the head stuff from 6:15 to 8:30 May s/off Sunday night only. WRDN-1430 plays rr 7-8pm nightly; but maybe not Sunday. I believe they s/off early on Sunday night. KCUE-1250 noted off the air before 8pm on 5/10, so maybe early s/off for them some evenings. By the way, many of their programs are pre-recorded. According to Dan Myers, WECL-1050 is now WOKL, as of 5/1. I'd completely forgotten they were changing calls. I haven't heard them under their new call yet. See you in DX NEWS. 73

GLENN HAUSER - Box C 8638 - Lowry AFB, Colorado - 80230

KFSC TEST reporters, attention. Should any of you be dissatisfied w/ a non-specific "verie" (as mine was) & would be happier w/a "rpoxy" one from me, w/ full details, send me an SASE & I'll gladly reply. Sr. Neidig turned all the reports over to me, so no need for a f/up. There were 23 of them, all told, w/tapes from Kesteven & Merriman. (I've seen eight more names in DX NEWS who didn't bother to report). All were FB, but there were three reports for the aborted 3/17 TEST. Two were clearly tentative, but one "definite". John Javetski, Richmond Hill, NY, captures the honours for most distant reporter, about 1,620 miles. Some of the other far ones in various directions were: Lance Muller, San Diego (825 miles, farthest SW also Lipis nearby), Randy Miltier, Campbell (920 miles, farthest West); Jon E. Pearkins, Burnaby, B.C. (farthest NW; Wayne Plunkett, Weston, Ont. (1,330 miles, farthest NE); tied for second most distant are Jeff Kadet, Bethesda, Md., & Alan Merriman, Fairfax, Va. (1,470 miles). No reports at all from S or SE. Nine reports were on NRC stationery or forms, seven IRCA; and one RLA. Some comments: "Thank you very much for having the test, it was truly an enjoyable program." (Russ Brown); "I'll bet KFSC was heard from coast-to-coast." (Marv Garber); "Great to hear KFSC as I really had my doubts as to whether you would be heard on the test." (John Javetski) "KROY splattered so badly that I couldn't make out much.. It was a pleasure to hear your station for the first time, even under such horrendous conditions". (Don Kaskey). "I was really sprurised to hear your station. For 1000 watts your station was coming in very well." (Tom McCormack); "I was driving in my car at the time... I was quite surprised at the signal strength of your station. KFSC was pronounced letter by letter.. very good for DXers!" (Bill Lipis); "I am very pleased to report your fine signal that you put into California and wish to congratulate you." (Clarence Freeman); "Your IDs were excellent... because you spoke slowly and extremely distinctly." (Roger Winsor); "Although I don't care that much for Spanish music, it was a very pleasant test." (Richard C. Evans). Sr. Neidig seems pleased with the response and would like to test again next winter. Until the next, 73.

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

Another Muse from the Bluegrass, this time things are pretty sparse as far as new decent DX goes. MM 5/5 only new yield was WFLO-870 Va. s/on @ 5am w/ Lord's Prayer w/WFL. 5/10- WCLB Gm. w/off @ 7:30pm, KMIS-1050 s/off @ 7:58 & KWAM-990 Tenn. s/off @ 8pm. On 5/11 several never-heards within 100-150 miles slipped in: WLSO-1220 Va. w/rr & SID @ 6:35pm o/dominant. WSLM Ind.; WNPT-1250 Tenn. w/ID & NX @ 6:55pm & lastly WCPM-1280 Ky. w/s/off @ 7:40pm w/Old Ky. Home, cops, also WTKY-1370 Ky. s/off @ 7:44pm. MM 5/12- KFRU-1400 Mo. @ 1:55am w/Joe Pine Show, ID & NX @ 2am, thanks to last minute tip from Jerry Starr, I caught WTOW-1570 Md. w/apparent PoP @ 2:15am till past 2:35 timeout o/CERN w/many IDs & explanations of various alignment procedures as they were being used. 5/14- WILQ-1570 Ind., WBEE-1570 Ill., & WTAY-1570 Ill. all three s/off within 40 minutes @ 8pm, then @ 8:07 WIFF-1570 Ind. s/off

May 24, 1969

o/KOLS Okla. for four new catches in seven minutes. Contrary to RJE's report in last issue's DDXD, WCLW-1140 Ohio is now operational on 1140 and has been since approximately 11/1/68 from when I was still in Ohio. With the season about over and w/three months devoted to new log here in Ky. total loggings stand at 648 w/36 states logged. I am working w/CE of new WCKG-810 Ky. on SPECIAL for next Fall. He is eager to receive reports & will verify all decent reports. That's it for now, back in 14. (Dick, WGY-810 is silent most FRIDAY AMs -ERC)

JAMES E. CRITCHETT - 1504 Glenwood Drive - San Diego, California - 92103

Static has been increasing, but stations not heard since the receipt of the new log 10/18/68 can still be heard, if I listen for them. My last report was on 1/21, so just some highlights. The MM 2/24 DX by KCKY-1150 was heard, about even w/KRKD. The CE at the old KCKY said that KRKD could be heard at the outskirts of Coolidge; no protection from them. This is another case of where the arranger of DX Specials should be responsible for verification of correct reports; none here yet from KCKY. KODL-1440 was well received, & verified, for the 2/24 DX. Thanks, JAC, for the NRC Log Updater. This NRC Club Member would greatly appreciate it if ALL xt HQ would concentrate on putting out, and keeping up, a really useful Log, including stations in Mexico, C.A., the Carribean, & northern S.A. stations that can be easily heard in the U.S., especially during Auroral ex. The cost of the log would probably increase, but would be worth it. Back to DX notes. KERN-1410 was AN for a while, but has quit already. CBK-540 had flood reports Sat. 4/19; reported, verified, & sent a map of Saskatchewan at my request, and two copies of CBC Times, so far, free. Sun 5/4, KATI-1400 all alone, so long reception report to then, 5:49-6:16. XEXX-1420 on @ 6 now (5/9 heard s/on); KQXI-1550 on 7am MM 5/12, still daytime only. Verifications received listed above; many well-known. Best of DX to all Club members, with verifications for all good reports.

RICHARD E. WOOD - 2528 The Mall - Webster 301 - Honolulu, Hawaii - 96822

Veries: (KOM-1050 Sask; CBE-1550 Ont; KCHG-1600 which wrote, "I understand that KCRC has been received as far away as Australia, but your DX report is the best in quite some time. Most of our confirmation cards go to the Chicago area." More activity on the logging/reporting front, w/NA CX continuing excellent. If there is anything to the concept of reciprocity, you mainlanders should have been hearing lots of Hawaiians. Best logging lately is WMEX-1510 Mann., my second NE & proving WBE is not the only NE catch possible here: this gives me renewed hope of hearing all 50 states on the other holdouts should not be too difficult. The fastest growing states in my log are Tex. Fla. & La., & extrapolating current trends, I can foresee Fla. going ahead of Ore. & Wash. to take third place behind Cal. & Tex. The signals from Fla. stations in the h.f. range such as WKWF-1600 WFTZ-1550 & WTAI-1560 have to be heard to be believed; WKWF w/500w at 4,700 miles must be greatly aided by its seawater ground to produce its fine signal here; it is my only W at less than 1 kw. so far. Besides those already mentioned reports are out to KINW-1440 Tex. which had me confused for a moment when I failed to find it in the main body of the NRC Log; KKJO-1550 Mo.; KCAN-1550 Tex. KWOW-1600 Cal. KWCO-1560 Okla. EXXI-1450 Mont. for r/c KLOU-1580 La., KEDD-1550 Kans. & KXYZ-1320 Tex. I have decided to continue operating the rotor for my loop by hand, rather than w/a foot pedal as I had planned, as the dial indicating the direction of beam would be hard to use if it were down at my feet. If you are having trouble IDing, say, Greenlandic Makimo when you hear it, you might care to check my article "Languages in International Radio" in the latest How to Listen to the World, obtainable through Gilfer Associates, Box 119, Park Ridge NJ, 07656, I also have an article on "Broadcasting in Peru" in the same book. KEON-1240 as "mazed at my ability to pick the station up way out there in Hawaii" from which I infer a Hawaiian first; WIGU-1280 comments on current "Frank" CX, resulting in my report & one from Holland. I'd call them just good Summer CX. KWOW-1600 Cal. first from Hawaii; WCAL-770 Minn. most distant reception for their TEST & most distant in recent years, KSAY-1010 Cal. KVKM-1340 Tex. KCH-1000 KWB-450 KINW-1440. . .

NEXT ISSUE IN TWO WEEKS. BROOKLYN DEADLINE IS MONDAY, JUNE 2. PLEASE DOUBLE SPACE!

COLOMBIA MEDIUM WAVE STATIONS

COLOMBIA MEDIUM WAVE STATIONS					kcs	kW	call	Station - Location	Network	
	kcs.	kW	call	Station - Location	Network					
						1040	10	HJFV	R. Tropical, Barranquilla	AN Caracol
						1050	1	HJDR	La Voz del Triunfo, Medellin	
						1055	10	HJBB	R. Valledupar, Valledupar	
						1060	10	HJFJ	Transmisora Caldas, Manizales	RCN
						1070	10	HJAH	Emisora Atlantico, Barranquilla	
							10	HJCG	R. Santa Fe, Bogota	AN
						1080	10	HJAW	La Voz de Monteria, Monteria	
							10	HJJB	R. Musical, Cali	
						1082	10	HJDZ	R. Reloj, Medellin	AN
						1090	10	HJBC	La Voz de Cucuta, Cucuta	AN Caracol
							10	HJFM	La Voz de Armenia, Armenia	Todelar
							1	HJII	La Voz del Oriente, Sogamoso	
						1100	1	HJAT	R. Reloj, Barranquilla	AN
							10	HJCN	R. Reloj, Bogota	AN
						1110	9	HJDI	R. Bolivariana, Medellin	
							5	HJFZ	La Voz del Centro, Espinal	
							1	HJEW	R. Reloj, Cali	AN
						1120	10	HJKQ	R. Tunja, Tunja	Coral
							5	HJGH	R. del Comercio, Bucaramanga	Caracol
						1130	1	HJJC	R. Cartago, Cartago	AN Todelar
							5	HJCO	R. Suramerica, Bogota	RST
						1135	10	HJAC	Emisora Rio-Mar, Barranquilla	AN Todelar
						1140	1	HJDL	R. Cristal, Medellin	Todelar
							1	HJEV	La Voz del Valle, Cali	
							5	HJNS	R. Guatapuri, Valledupar	
							2	HJTR	R. Girardot, Girardot	
						1150	1	HJBT	R. Catatumbo, Ocana	
							1	HJFI	Preones del Quindio, Armenia	
							1	HJGJ	R. Sutatenza, Belencito	
							1	HJNH	Ondas del Rio, Magangue	
						1155	5	HJAZ	Emisora Sinu, Monteria	Todelar
						1160	2	HJBL	Ondas de Cienaga Grande, Cienaga	CRI
							10	HJCK	El Mundo en Bogota, Bogota	
							5	HJZB	R. Las Lajas, Ipiales	
						1170	1	HJDT	R. Nutibara, Medellin	
							1	HJJE	Emisora Villa de Cespedes, Tulun	
						1180	1	HJFX	La Voz del Ruiz, Manizales	AN Caracol
							10	HJGK	R. Santander, Bucaramanga	RCN
						1190	5	HJCT	La Voz de la Costa, Barranquilla	
							10	HJCV	R. Cordillera, Bogota	Todelar
							1	HJDF	R. Tumaco, Tumaco	
							1	HJEO	Ondas del Valle, Cartago	
						1200	1	HJCD	R. Nueva Epoca, Fusagasuga	Todelar
							1	HJII	R. Colibri, Medellin	CR
							1	HJNF	R. Mil Doscientos, Sultana del Valle, Cali	
							2	HJBX	La Voz del Llano, Villavicencio	
						1210	10	HJFF	La Voz Amiga, Pereira	AN Todelar
						1212	10	HJBE	R. Internacional, Cucuta	Todelar
						1220	10	HJFV	La Voz del Litoral, Barranquilla	Caracol
							10	HJAV	R. Cordobesa, Monteria	RCN
							10	HJKR	R. Juventud, Bogota	AN Coral
							2	HJNM	Emisora Cultural Bolivar, Ipiales	
						1230	10	HJFP	R. Neiva, Neiva	
							5	HJIL	La Voz de las Americas, Medellin	
							1	HJLK	R. Calidad, Cali	
								HJJQ	R. Unica, Tunja	

kcs.	kW	call	Station - Location	Network
1240	5	HJFG	La Voz del Comercio, Armenia	
	5	HJGN	R. Barrancabermeja, Barrancabermeja	
	1	HJJA	R. Bucaramanga, Bucaramanga	
1250	1	HJAO	Emisora ABC, Barranquilla	AN Todelar
	1	HJCA	R. Moderna, Bogota	CRI
	1	HJEM	La Voz de Corozal, Corozal	
	1	HJHZ	Emisora Mariana, Pasto	
	2	HJHS	R. Rejoj, Cucuta	
1260	1	HJDA	Emisora Siglo Veinte, Medellin	AN
	1	HJDV	R. Cacique, Ibague	
	2	HJET	R. Quince, Cali	
	1	HJHU	R. Morgan, Isla de San Andres	
	1	HJNO	R. Duitama, Duitama	
		HJOH	La Voz del Cesar, Valledupar	
		HJKZ	Onda Libre, Pereira	
		HJTX	R. Quince, Bucaramanga (Giron)	
		HJAR	La Voz de Cartagena, Cartagena	
	1	HJEB	La Voz de Cienaga, Cienaga	
1280	1	HJLR	R. Pasto, Pasto	Caracol
	2	HJKN	R. Metropolitana, Bogota	AN RST
1285	1	HJNK	La Voz del Rio Suarez, Barbosa	
		HJCM	R. Sur, Pitalito	
		HJIA	R. Villavicencio, Villavicencio	
		HJKY	Ondas del Puerto, Girardot	CRI
		HJTH	R. Ritmos, Medellin	AN
		HJHI	La Voz de Garagoa, Garagoa	
		HJEC	R. Liberindor, Cali	
		HJOI	Ondas de Maicao, Maicao	
		HJLD	Emisora Rio San Eugenio, Santa Rosa de Cabal	
		HJNB	R. Rejoj, Bucaramanga	AN Caracol
		HJDG	Transmisora Rio, Monteria	
	4	HJOG	La Voz de las Antillas, Cargagena	CRI
	1	HJIR	La Voz de Uraba, Turbo	
1310	2	HJAK	La Voz de la Patria, Barranquilla	
	1	HJJZ	R. Quince, Bogota	
		HJTA	La Voz de la Independencia, Medellin	
		HJFR	Ondas del Huila, Neiva	
		HJHT	R. Furatema, Chiquinquira	
		HJNK	R. Luna, Palmira	
		HJVT	La Voz del Tocarema, Girardot	
1322	1	HJHY	Transmisora Sucre, Sincelejo	
1328	1	HJAD	R. Vigia, Cartagena	AN Todelar
1330	1	HJFE	La Voz de Pereira, Pereira	RCN
1340	1	HJFA	R. Regalos, Barranquilla (R. Caribe)	
		HJFB	R. Calidad, Bogota	
		HJNA	R. Narino, Pasto	
		HJBF	La Voz del Norte, Cucuta	Coral
		HJMQ	La Voz de Chicamocha, Piedecuesta	
			R. Olimpia	
		HJDS	La Voz de la Candelaria, Medellin	RST
		HJEN	R. Sideral, Cali	
		HJFY	La Voz de Chaparral, Chaparral	
		HJIG	Ondas del Meta, Villavicencio	
		HJHL	R. Industrial, Ibague	
		HJHW	Ecos del Rio, Puerto Boyaca	
		HJBO	R. Piloto, Barranquilla	AN
		HJFH	La Voz de Anserma, Anserma	
		HJNI	R. Sabana, Sincelejo	

kcs	kW	call	Station - Location	Network
1362	1	HJJA	R. Buenaventura, Buenaventura	
1365	1	HJGI	Emisora Jose Antonio Galan, Socorro	
1370	1	HJBD	R. Guaimaral, Cucuta	CRI
	1	HJEA	La Voz del Cauca, Popayan	
	1	HJKX	R. Mundial, Bogota (Zipaquira)	AN CRI
1380	1	HJEJ	Armonias del Palmar, Palmira	
	1	HJLG	La Voz de la Dorada, La Dorada	
	1	HJKD	Armonias del Sur, Neiva	CRI
	1	HJNU	R. Santa Barbara, Santa Barbara	
	1	HJFO	R. Luz, Manizales	CRI
	1	HJNY	R. Pipaton, Barrancabermeja	
1395	1	HJTJ	La Voz de Cerete, Cerete	
1400	1	HJAS	R. Variedades, Barranquilla	
	1	HJBK	La Voz de la Gran Colombia, Cucuta	
	1	HJJJ	R. Ipiiales, Ipiiales	
	0.1/4	HJKM	Emisora Mariana, Bogota	
1410	1	HJBY	Ondas del Orteguaza, Florencia	
	1	HJEI	Emisora Guadalajara, Buga	
	0.5	HJDU	Emisora Cultural, Medellin	
	1	HJFS	Ondas del Guali, Honda	
	1	HJHM	La Voz de Calarca, Calarca	
1420	1	HJAP	R. Bahia, Cartagena	AN Caracol
	1	HJHK	R. Rejoj, Manizales	
1430	1	HJBI	R. Magdalena, Santa Marta	AN Caracol
	1	HJBP	R. Pamplona, Pamplona	
	1	HJEG	La Voz de Belacazar, Popayan	
	1	HJKU	La Voz de Maria, Bogota	
1440	1	HJFL	Ondas de Ibague, Ibague	
	1	HJEK	R. Tulua, Tulua	
	1	HJGM	R. Sogamoso, Sogamoso	RCN
	1	HJIB	La Voz de Caquita, Florencia	
	1	HJNZ	Armonias del Ingruma, Riosucio	CRI
	1	HJZH	La Voz Katia, Medellin	AN
1445	1	HJBZ	Ondas del Riohacha, Riohacha	
1450	1	HJNL	R. Sintonia, Villa Maria	CRI
	1	HJTY	La Voz del Carare, Velez	
1460	1	HJAI	R. Sincelejo, Sincelejo	
		HJBA	La Voz de Pamplona, Pamplona	
	4	HJBQ	R. Fundacion, Fundacion	
	1	HJJW	R. Continente, Bogota	AN
	1	HJZU	La Voz de la Amistad, Pasto	
1470	1	HJIM	R. Ya, Medellin	Todelar
	1	HJBI	La Voz de Honda, Honda	
	1	HJNT	La Voz del Paraiso, Cerrito	
1480	1	HJDI	R. Quibdo, Quibdo	
	1	HJFC	R. Continente, Pereira	
	1	HJTZ	R. Palonegro, Bucaramanga (Ibague)	
	1	HJEH	R. Sutatenza, Pasto (Ibague)	
	1	HJCL	R. Garzon, Garzon	
1490	1	HJBS	Ondas Femeninas, Bogota	
	1	HJAY	R. Cumbia, Barranquilla	CRI
		HJTQ	R. Tasajero, Cucuta	
1500	1	HJGA	R. Boyaca, Tunja	CRI
	1	HJLJ	R. Calima, Darien	
	1	HJTW	R. Sumapaz, Fusagasuga	CRI
1510	1	HJHX	La Voz Panamericana, Bucaramanga (Floridablanca)	
	1	HJZA	R. Estrella, Armenia	
1520	2	HJLQ	R. Minuto, Barranquilla	AN CRI

kcs.	kW	call	Station - Location	Network
1520	5	HJLI	R. Latina, Bogota	Caracol
	1	HJLS	R. Popayan, Popayan	
1530	1	HJJB	R. Sevilla, Sevilla	
	1	HJLE	R. Armero, Armero	
	0.1/4	HJDN	Liceo Departamental, Sonson	Coral
	0.35	HJGD	Reina de Colombia, Chiquinquirá	
1535	1	HJHD	La Voz del Petroleo, Barranqabermeja	
1540	0.25	HJZF	Emisora Mariana, Manizales	
		HJMB	R. Sur Oeste, Concordia	
1545	1	HJBV	R. Canoa, Cartagena (Turbaco)	
1550	1	HJLT	Ecos del Quilichao, Santander, Cauca	
	1	HJZI	R. Fantasia, Bogota	
		HJAX	La Voz Portena, Barranquilla	
	1	HJGY	R. Magangue, Magangue	
1555	1	HJLP	R. Espacial, Tulua	
1560	1	HJCP	R. Parroquial, Nemocon	
	1	HJGP	R. Sutatenza, Sutatenza	
	1	HJKG	R. Cundinamarca, Tocaima	
1570	1	HJZT	R. Sensacion, Manizales	
	1	HJHE	Voces Rovirenses, San Jose de Miranda	
1573	1	HJLC	La Voz del Banco, El Banco	
1580	1	HJAY	La Voz de la Cordialidad, Barranquilla	
		HJKF	Armonias Zipaquirenas, Zipaquirá	
1590	1	HJIP	La Voz de la Musica, Medellin	
	1	HJJQ	R. Zarzal, Zarzal	
1595	1	HJJH	R. Ciudad Milagro, Armenia	

- Caracol = Primera Cadena Radial Colombiana
- Todelar = Circuito Todelar de Colombia
- R C N = Radio Cadena Nacional
- Coral = Corporacion Radial Colombiana
- R S T = Radio Sistema Tricolor
- C R I = Cadena Radial Independiente
- A N = All Night

This Updater goes under the same format as JAC's 3/1 edition. I presently intend to issue another one on or around 8/1. This issue includes all items appearing in any section of IX News and/or Broadcasting thru the issue date above.

540	630	780
	WMAL-DC-SP: MM, 0100-0530 KDWB-Mn- SP: MM, 0115-0600 CKAR-On- SCH: s/off 0008	*KCRL-Nv- new call
550	640	790
WKRC-On-SCH: s/off 0110 MM KTSa-TeX- SP: 0100-0630 MM; ADD: Eisenhower Rd.		WAEB-Pa- SP: MM 0000- ??
560	650	800
*WOKL-NY- Catskill, 12414		KINY-Ak- SCH: AN Sun., Mon., AM's +CJBQ-On- CP: 10000 U-4
570	660	810
WAAX-Ala. NET: Ac WFAA-Tx-SCH: 0100(0555 Mon)- 0730;1330-1900 WBAP-Tx-SCH: 0730-1330; 1900- 0100		
580	680	820
	KFEQ-Mo- SCH: s/off 0100	WFAA-Tx- SCH: 0730-1330; 1900-0100 WBAP-Tx- SCH: 0100(0555 Mon) -0730; 1330-1900
590	690	830
CKPR-On-SCH: 24 hrs.	WTIX-La- PWR: 10000/5000	ROA -Co- SCH: 24 hrs, off MM
600	710	840
KEWE-Co- ex-KZIX KOGO-Ca- SCH: 24 hrs., SP: MM, 0330-0830 WMT -Ia- SP: MM, 0100-0600	WHB -Mo- SCH: Off MM 0130 hrs.	
610	730	850
	CKDM-Mn- SCH: 24 hrs., SP: Sun., 0202-0600	CHHO-On- SCH: 24 hrs.
	WKIS-Fl- SCH: Su AM s/off 01 0200	900
	KRMG-Ok- SP: MM 0200-0400 KCMC-Tx- SCH: 24 hrs. NET CBX -Al- SCH: s/off 0100 CBNM-Nf- PWR: 10000 U-4	WOOD-Co- SCH: 24 hrs, NSP
620		910
KNGS-Ca- SCH: 24 hrs. SP: MM		920
		930
		940
		950
		960
		970
		980
		990

930	1060	1170
WBEN-NY- SCH: 24 hrs., SP: mm 0000-0559 *WBKO-PR- new call WHON-In-LOC:Centreville,PWR: 500D-3;PSA-500. Clarify	WNOE-La- SP: MM 0100-0530 WHFB-Mi- PWR: 5000 D-1; 1000CH Clarify info.	+KLOK-Ca- CP: 50000/5000 U-4 KUAD-Co- LIC. KOHQ-Ha- SCH: s/off 0435 * -Ma- Orleans, 1000 D-3 * -NY- Mechanicville, 250 D-1
940	1070	1180
* -Pa- Lebanon, 1000 D-1	KPDI-Ka- PWR: 10000/1000 WNCT-NC- LIC. CHOK-On- SCH: 0600-0103	WHAM-NY- SCH: Off Sun AM
950	1090	1190
KRSI-Mn- SP: MM, 0100-0700 KPRC-Tx- SCH: off Sun AM KSDX-Tx- SCH: 0630(0700)- 0105 CFAM-Mn- PWR: 10000 U-4	#KIXF-Ca- CP EQ-1280	+KNBA-Ca- CP for 1000 D-1, 250 CH CFSL-Sa- SCH: s/off 0203 KEZY-Ca- ANT: L2
960	1100	1200
WSBT-In- SCH: s/off: 0205 CKWS-On- SCH: off MM	KFAX-Ca- SCH: SP-SS Plus 0000-0430	WOAI-Tx- SCH: SP: MM 0130-0630
970	1130	1220
WMAY-IL- SCH: 0630(0730)- 0130(0100) WJRZ-NJ- SP: Sun AM 0100- ?	#WWCM-In- CP is 500 D-3 (Init) * -Oh- Eabab, 45520 PWR: 250 D-1; ADD: 505 N. Barron St. *WPUL-Fl- Is call for CP WISN-Wi-SP: Sun 0200-0800	WJBC-IL-SCH: s/off 0200 WJOB-In-SCH: 24 hrs. NSP WCUM-Md-SP: MM 0000-0600 +WMPC-Mi- CP: 1000/250 SH-1 WMOU-NH- NET: C WFAS-NY- NET: M WEEK-Pa- SCH: 24hrs, off MM KBMN-Mt- LOC: Bozeman
980	1140	1240
WITY-IL- SCH: s/off 0208	*WCLW-Oh* Not yet on	KROY-Ca- SCH: 24 hrs. Off MM KSON-Ca- SCH: 24 hrs. NSP KDGO-Co- NET: C KRNO-Ca- SCH: 0258 s/off WTWA-Ga- ANT: U-1 WGBB-NY- SCH: s/on 0500 WSNY-NY- SCH: 24 hrs. NSP
990	1150	1250
WHOO-Fl- SCH: not AN; s/on: 0600 WNOX-Tn- SP: MM	KRKD-Ca- SP: Sun 0500-0800 KSEN-Mt- SCH: s/off 0117 CKOC-On- SCH: 24 hrs CJTR-Qu- Delete AN	KALO-Ar- SCH: s/off 0202 KIGM-Co- SCH: off(temporary) New owner has 90 days to resume sked.
1010	ADDENDUM: rell30 item above: WPUL-Fl. ADD: Box 1433	KWSU-Wa- ex-KWSC
1050	1080-WMO-NC- PWR: 5000, 01:1000. Clarify.	
KTOT*Ca- Clarify call WHN -NY- SCH: s/off: 0105 *WSEN-NY- CP: 1000 D-3 *CJNB-Sa- SCH: s/on 0800 *WOKL-Wis- ex-WECL		

1260	1350	1410 cont
WIXY-Oh- SCH: 24 hrs., SP: MM -0527 1/2	WGAD-Al- NET: C WIOU-In- SCH: 24 hrs., off MM WCVU-Va- SP: Sun 0200- * --Mn- New Prague, ADD:Bx193	KWBB-Ka- SCH: s/off 0300 CHLP-Qu- SCH* 0103-0455 Mon SP
1270	1360	1420
KTFI-Id- SCH: s/off 0115 WUOK-WV- NET: C *KBUB-Nv- CP: 5000 D-3 * -Mi- Charlevoix,49720, 5000 D? ; 111 Bridge St.	KICX-Nb- Clarify call WKOP-NY - NET: C WSAI-Oh- SP: Sun 0302-0600 WIXZ-Pa- ex WMCK; SCH: 24 hrs, off MM KRY5-Tx- SP: MM 0100-0600 WBAY-Wk- SCH: 24 hrs NSP	KTOE-Mn- SCH: 24 hrs. SP Sun. 0130-0723
1280		1430
		WVAM-Pa- CP is on
1290	1370	1440
WFBG-PA- SCH: 0530-0104	KPCO-Ca- Clarify call WDEA-Me- on w/ 5000 U-2 WPGA-NH- SP: MM 0001-0500 KAST-Or- ADD: Box 445	KQRS-Mn- SCH: 24 hrs. off MM KILO-ND- SCH: 24 hrs.
1300		1450
WTAQ-IL- SP: off MM WPNH-NH- ANT.: D-1 WAAT-NJ- NET: Ac WKCY-Va- PWR: 5000 D-1; LIC. WMTN-Tn- Add: Box 70		+KENA-Az- CP: 1000/250 SH-1 KAVA-Ca- PWR: 250 ANT: SH-1 +KZIN-Ca- CP: 250 U-1 WCVS-IL- SP: MM 0115-0600 WXLW-In- NET: C WFLB-NC- SCH: 24 hrs. NSP
1310	1380	1460
KOKX-Ia- SCH: 0600-0200 KRBI-Mn- NET: Ac *WPR-MJ- Parsippany-Troy Hills, 07054.	WDAT-Fl- ex-WXIQ WBLI-IL- clarify loc. KLI2-Mn- SCH: 0700-0205(0105) WTNN-Tn- ex-WGMM KTUM-Tx- SCH: 0630-0100 CKIC-On- SCH: 0507- -Miss- CP: Prentiss, 1000W	
1320	1390	1470
KXYZ-Tx- SCH: SP MM 0200-0500 WAXX-Ws- Delete CKKW-On- SP MM	#KRMI-La- delete CKKC-BC- MMs/off 0405 (SCH)	WMHU-Fl- SCH: 0600-0030 WPHA-Pr- SCH: Mon s/on 0407 WAGO-Tx- SCH: 0630-0300
1330	1400	1480
KPH -Ka- SP: Sun 0215-0700 WL0L-Mn- SP: MM 0100-	KDTA-Co- Clarify call; PWR: 1000/250; ANT: SH-1 WJHO-Al- SCH: 24 hrs. SP Mon -0507 WSTC-Ct- SCH: 0600-0035 KPAT-Ca- delete AN WMIN-Mn- SP: MM 0100-0600 KBM1-Nv- SP: is Sun, not Mon +WICK-Pa- CP: 1000/250 U-1	WMHD-TL- SCH: s/off 0100. KARF-Kn- NET: N
1340		1490
KBET-Nv- NET: C WIRY-NY- SCH: s/off MM 0100 WHAP-Va- SCH: s/off 0058 *WRC-Ont- SCH: MM s/off 0405 KQIL-Co- ex-KWSL		WISM-WI- SCH: 24 hrs. SP: MM, 0300-0600
	1410-	
	WPXO-Al- on w/ 5000/1000 U-4	

<p>1490</p> <p>KDB -Ca- SCH: 24 hrs. NSP KRIB-Ia- SCH: 0630-0215 WNDU-In- SCH: 24 hrs. WEMJ-MH- SCH: s/off 0008; extc. summer, when 24 hrs. KBIX-Ok- CP is on. LIC. WBCB-Pa- ADD: 200 Magnolia St. WVEC-Va- SCH: 24 hrs. SP: Mon. 0100- WKVT-Vt- SCH: 0500-0100 CBAM-NB- Pwr: 100 U-1</p>	<p>1550</p> <p>WCVL-Ind- SCH: 24 hrs. SP Mon. WKQV-In- PSA: 250 KEDD-Ka- ADD: Box 1206 WOKJ-Mis- SCH: 0600(0700)-0200 *KOBY-Nv- ZIP: 89503;ADD: Bx 6206 CBE -On- SCH: 0500-0200 Mon-Fri; 0600-0200 Sat; 0600-0110 Sun.</p>
<p>1500</p> <p>WTOP-DC- SCH: 24 hrs. NSP WSTP-Mn- SCH: 24 hrs. SP Mon. 0400-0600 -NC- CP: Rockingham, 500 D-1, CH: 250</p>	<p>1560</p> <p>KABI-Ka- PSA: 142 KBEW-Mn- NET: Ae -SC- CP: Clemson, 1000 D-1 KRBB-Ok- CP: 1510. PSA:230 WAFT-Ky- LIC. WRKC-On- LIC. NET: M</p>
<p>1510</p> <p>#Ho, - CP: Marshfield, 250 D-1 WRAN-NJ- CP LIC. but is 18000/500 U-4 WYRU-NC- CP: Red Springs. Is call. KRBB-Ok- CP here. PSA:230, PO: 1560 KOA -Wa- SP is Tu. AM</p>	<p>1570</p> <p>CFOR-On- s/off 0345</p> <p>1580</p> <p>WPAC-NY- CP: 250 D-1 WOCR-IL- ex-WKID</p>
<p>1520-</p> <p>KACY-Ca- NET: Ac WKMG-SC- NET: Ae</p>	<p>1590</p> <p>KUDI-Ca- CP: 5000 U-4 WTHY-Ct- SCH: 24 hrs. SP: Sun. 0400-0600 WVNA-Al- SCH: 0529-0000(2305) WNET-NC- delete -Ca- McFarland, 500 D-1 WEEZ-Pa- delete AN</p>
<p>1530</p> <p>KFBK-Ca- SCH: 0800-0400. WTTI-Ga- ANT: D-3</p>	<p>1600</p> <p>WXVI-P1- NET: Ai WUNH-Ma- ex-WBOS WAAM-Mi- SCH: s/on 0600. Delete AN WBAZ-Vt- ADD: Santarce CJRN-On- Off Sun, not Mon.</p>
<p>1540</p> <p>-Tn- CP: Hohenwald, 250D-1 KFKF-Wa- SCH: s/off 0501 CHIN-On- ADD: 637 College St.</p>	<p>APPENDA: 1310 - KKGF-Mt- ex KFBB</p>

INTERNATIONAL DX Digest

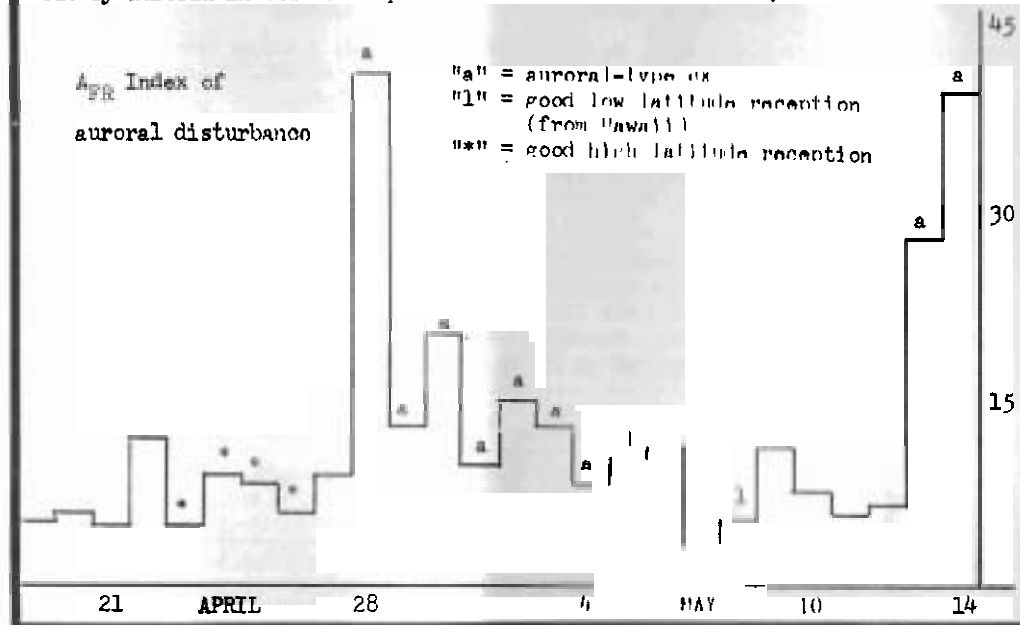


Propagation & Features: 19
 Gordon Nelson, 19 Irma Ave.
 Watertown, Mass. 02172

DX conditions here in the Northeast have been miserable during the past couple of weeks - especially during and following the auroral/geomagnetic disturbances 5/13 and 5/14; one evening we spent an hour and a half on 780 trying to raise some audio from anybody - but no WBEM, Cuba, Barbados, ZBVI - just static. No TA's or South Africans have been audible, naturally. In Texas, Paul Hart says, "Cx down here for the last few months (from 3/24 to be exact) have been exactly terrible... it has been a rare night when WBEM is in at a listenable level..." From his fine Hawaiian location Richard Wood comments:

- 5/2 N. America as far as WHAM; CELL8 noted, Tahiti, Fiji, ZCO above average but not an outstanding night.
- 5/3 Average night; Tahiti good.
- 5/4 Good for S. Pacific; many Aussies, Fiji; otherwise average.
- 5/5 An outstanding, highly directional North American night. New loggings included WMEX-1510, WWRL, WKWF from Key West - what a signal for 500 watts at 4700 miles! Many commoner U.S. stations noted; otherwise only PJB, 4YA, and a few Asians.
- 5/8 Another outstanding North American night similar to 5/5. WRIZ S9+40 db; new loggings included WYSE-1560, lkW from Inverness, Fla., drowned out by WTAI but the whole continent good; KENI-550 noted, though weakly, WEZ very good, WHAM and WQXR outstanding, etc. Other areas in well included St. Maartin, Guatemala, Nicaragua, Chile, Tahiti, Majuro (outstanding), Fiji, and N.Z. If these are summer conditions, make it summer all year around! [@@\$ - Ed]

Geomagnetic/auroral activity barely began to recover from the disturbances of late April when we were once again hit with violent auroral storms on 5/13 & 5/14. High latitude paths for long distance MW receptions have been blanked out by auroral-induced absorption since the third week in April.



GEO BROADCAST PREDICTS AURORAL CX

Readers of IDXD for the past few months have observed the very close correlation between the Fredericksburg A index of geomagnetic activity and certain types of MW reception conditions: long distance high latitude receptions (TA's on the West Coast and Far Easterns on the East Coast, for example) occur only after several days of auroral quiet; "auroral conditions", with high latitude paths closed, absorption of stations in the North, West, and East, and enhanced reception from the South, take place during and following geomagnetic/auroral disturbances.

U.S. government stations WWV and WWVH transmit relevant geomagnetic observations of interest to MW DX'ers every hour in very slow morse code. The MW DX'er can make use of these broadcasts to confirm his own observations on conditions or to predict "auroral conditions". Thus a DX'er in, say Florida, can know on Sunday evening whether or not to waste his time trying for some rare Special from a sta far to the North: if WWV says there's a geomagnetic storm in progress, the Special will be wiped out by the aurora in all likelihood, etc. If, on the other hand, no geomagnetic storms have been observed or are predicted, chances for a reception from the far North are considerably improved.

This broadcast is updated every day and is first broadcast at 0418 GMT over WWV on 2.5, 5, 10, 15, 20, and 25 mc/s and is repeated every hour at 18 minutes past; over WWVH in Hawaii the first broadcast of a new day is at 0448 GMT over 2.5, 5, 10, and 15 mc/s and is repeated every hour at 48 minutes past. Dates and times for these broadcasts are in GMT AND TO AVOID CONFUSION WE WILL KEEP THEM IN GMT IN THIS ARTICLE; subtract 5 hours to get EST.

The broadcast begins with the letters "GEO" in very slow morse (-- . ---) and is followed by three letters, each repeated three times for clarity; for example a typical broadcast would be "GEO EEE TTT UUU". The meanings are as follows.

The first set ("EEE" in our example above) contains predictions of geomagnetic storms and related solar-induced effects as follows:

- EEE (.) No disturbance expected; A value less than about 20.
- III (..) or DDD (-..) Solar FLARES expected; possibility of storm in up to 72 hours.
- SSS (...) or BBB (-...) Solar PROTON FLARE expected; disturbance in as soon as 20 minutes a possibility.
- TTT (-) or MMM (--) MAGNETIC STORM expected with A value greater than 20.
- UUU (..-) Solar FLARE & MAGNETIC STORM expected.
- VVV (....) Solar PROTON FLARE & MAGNETIC STORM expected.

The second set of letters ("TTT" in our example above) and the third set of letters ("UUU" in our example) both refer to disturbances which have actually begun. The coding of the letters gives information about both solar PROTON FLARES and terrestrial MAGNETIC STORMS (A values greater than about 20) and tells when they happened or if they are still under way. The coding is:

Day before that of issue
(time in hours GMT)

PROTON FLARE	(--)	(-)	(....)	(...)	(..)	(--.)	(. . .)
3rd letter set:	UUU	AAA	BBB	DDD	NNN	PPP	EEE
GEOMAGNETIC STORM	(..-)	(.-)	(-...)	(-..)	(-.)	(.-.)	(.)

Note that this is a very compact way of coding the data; because it's somewhat confusing we'll give some examples of typical broadcasts and what they would mean for the DX'er (again, all times in GMT for obvious reasons):

"GEO EEE EEE EEE" This means no disturbances expected in the future, or have been observed within the past 24 hours. This means "all quiet" for the DX'er insofar as any auroral absorption is concerned; remember however that "auroral conditions" on the MW band can persist up to 5 days after the end of a big geomagnetic storm! A week's run of "EEE EEE EEE" indicates that high latitude paths may be open.

"GEO III EEE DDD" Solar FLARES are expected; this may or may not produce an auroral storm but chances are definitely increased. There has been no PROTON event in the past 24 hours. There was a geomagnetic/auroral storm observed between 1800 and 2400 hours GMT yesterday. To the DX'er, cx will be quite auroral because of yesterday's storm, and the expected flares may bring even more disturbances within 72 hours.

"GEO SSS GGG EEE" A PROTON FLARE is expected in the future; there was also a PROTON event under way when the broadcast was made up. Geomagnetic activity has been relatively low (less than 20) during the last 24 hours. For the MW DX'er, the PROTON FLARES in progress will probably mean poorer than usual reception in high latitudes; the exact relationship between MW reception and these PROTON FLARES is not well known at the present time.

These broadcasts will be of greatest use to the MW DX'er in predicting or confirming the presence of geomagnetic storms. We have included the codings for all of the classes of events, even for poorly understood events such as proton flares, in the hopes that some of our more scientifically-minded members may be able to detect correlations between MW DX conditions and these geophysical events.

(GPN)

*THAILAND. Lars Ryden, currently back in Tokyo after a trip around Southeast Asia, reports, "The most interesting discovery was that of the Armed Forces Thailand Network heard with very weak signals on 1450 although they announced they were operating 24 hours on 1220; latter was even weaker in Bangkok..." We've had full info on this net for some time now, Lars, but haven't had space to run it; sorry. The DOD lists the following stations in the AFN, all operated by the U.S. Air Force:

770	Mukadahan	100 watts	1350	561st Eng	50 watts
	Nakhon Phanom	100 watts	1450	Korut	100 watts
850	Camp Vayama	11 watts		Phitsanulok	100 watts
940	Ubon	100 watts		Camp Cloudy	50 watts
1220	Green Hill	50 watts	1520	Chiang Mai	50 watts
	Khon Kaen	100 watts		Rohn Rattien	50 watts
	U-Tapao	100-watts		Taklii	100 watts
1350	538th Eng	50 watts		Udon	100 watts

*MUSCAT AND OMAN. The BBC's new superpowered relay station is now testing on 700, 701, 1300, and 1380; 750 kw on 700, 1500 kw on 701; will begin regular operation on June 1st of this year. (ARC)

*BRUNEI. 895 is now Barakas ex Brunei Town; 1100 is Barakas with 10 kw ex Seria 660 watts; 970 is now Kuala Belait ex Brunei Town. (ARC) Note, PPP.

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- *WEST GERMANY. Munich on 1602 is now operating with 185 kw at night; 370 days.
- *POLAND. Krakow is currently being hrd on 1200 in Europe, off 1205. (Both ARC)
- *HONG KONG. Radio Hong Kong's 20 kw transmitter now on 545 from 860 is being well heard in Australia. (ARDXC)
- *NORFOLK ISLAND. VL2NI has ceased night-time transmissions on 1570. (NZDXRL)
- *SYRIA/UAR. Both countries went onto summer time on May 1st. (Ed)
- *IRAQ. Baghdad Radio recently announced that the Iraqi government would soon begin transmissions beamed from Basrah to "Arabistan, the Arab territory usurped by Iran". (Ed)
- *TRUCIAL AMIRATE OF SHARJA. As of March, Sharja Radio's transmission on 737 was being transmitted 2115-0000, with news at 2145. There have been no reports of verification from this station that I've seen and there is now some question as to whether or not it is actually located in Sharja. See IDXD 3/6/68 for more information on this station. (Ed)
- *AUSTRALIA. There are now 3 stations operating on 530: 6DL (10 kw), 2KM, and 3UL (both 2 kw). (Art Cushen via Clarence Freeman)
- *EAST GERMANY. GDR's "summerstation" on 1052 is again on the air and is well heard in Sweden; nothing on 1016 now. A new high power Karl Marx Stadt station is being heard on 602. (Ericson, Sweden)
- *HAITI. Papa Doc recently gave permission to Radio Lumiere to put up 3 more 1 kw BCB relay stations; construction has begun but freqs unknown. (WRB)
- *MALAWI. Blantyre will move from 764 to 755; Karonga from 872 to 692; Lilongwe to 593 from 602. (SADXC) Rats, that puts Blantyre smack in the TVI! (Ed)
- *SAUDI ARABIA. Riyadh reportedly hrd in South Africa on 590 from 600; can anyone confirm this? (SADXC)
- *LATEST INFORMATION FROM THE EBU monitoring posts (exclusive in NRC):

575 Tel Aviv not on now	759.96 Sao Tome now here
600.5 Oujda, Morocco here	1300 A Pathet Lao stn hrd here
629 "Voice of the Turkish Cypriots"	1538 Unid Russian hrd under German Fighting for Freedom"
- *ISRAEL. The Christian Broadcasting Network has entered into negotiations with the Israeli government to establish a high power gospel station there; they are hoping to set up a 1000 kw MW station as well as a SW operation. (AP via Kilroy and Gough)

Earth spurts out low-frequency signals

A radio astronomy satellite, sent into space to measure low-frequency radio signals that normally cannot penetrate the earth's ionosphere, has revealed that the earth itself radiates low-frequency radio signals—with the most intense radiations in the AM broadcast band.

The report of earth's radio signals was made by Dr. Robert G. Stone, project scientist for the National Aeronautics and Space Administration's first Radio Astronomy Explorer (RAE), which was launched July 4, 1968. Dr. Stone disclosed the news last week at the opening session of the spring meeting

of the U. S. National Committee of the International Union of Radio Science in Washington.

The satellite, orbiting 3,640 miles above earth with 1,500-foot antennas stretching taller than the Empire State Building, detected the earth emitting sporadic low-frequency radio signals in the 200 kc to 9,000 kc band, with the most intensive bursts coming in the lower regions of that band. The AM band runs from 550 kc to 1500 kc.

The earth's radio signals, like those from the planet Jupiter which were discovered 14 years ago, appear to be sharply beamed; quite intense increasing in intensity rapidly toward the lower frequencies, and occur in rapid but sporadic bursts. Scientists are unable to explain the mystery broadcasts from

either planet, although they point out that both possess magnetic fields, the only planets of the sun's galaxy that do. Dr. Stone also announced that the RAE also revealed that the sun is a much more active source of radio outbursts in the lower frequencies than had been expected.

BROADCASTING, April 28, 1969

(VIA PVT)

- 760 N.E. ZLIYA Auckland, tentative w/talk 0613 5/11; LBG hrd then the day before. If you delete the ZL, make it read "LYA". (Hauser, Col.)
- 760 Chile. "CB76" (leave the quotes!), La Voz de Chile w/AST TC's 0550 5/12, mx, vibraphone IS 0600 from Pomp & Circumstance, then mx. Nice.
- 840 Nicaragua. YNMG, R. Pinares thru EJBI & CM--, fuzzy, 2230 4/22 (Rogers)
- 895 Brunei. Richard Wood sent letter confirming my tape is of Brunei, the initial language is Malay, then EE. The ID (This is Radio Brunei, with stress on the ai) becomes quite clear, and an unlisted call of VPO is given. (Fejza, Calif.) (GPN and I have hrd tape, detected ID in it.—Ed) Berakas (ex Brunei Town) the location of 895kc xmitr now. (latest ARC)
- 980 Mexico. XEFQ, Cananea hrd s-1, little fade 0045-0104 4/21. ID (sung) as "H. San Pedro" as well as call letters. All-news pgm. (Rogers, Fla.)
- 1010 Cuba. R. Musical Nacional, Bolguin, CMEM (listed) w/tropical mx 0430 5/8, not cl as listed in WRTVE. Not hrd on 1012. Is ID correct? (Wood)
- 1010 Mexico. XEDX, R. Variedades, Ensenada, B.C. 0345 s/off 5/10 after being on late for Mothers' Day, (a big festival in Mexico with many Amers on) excellent here, and yet another "Variedades" slogan. (Wood, Hawaii)
- 1180 Dom. Rep. HIBE atop L.V. de Cuba 2200-2215 5/8, VoA silent. (Rogers, Fla)
- ** 1187 Guatemala. TGT, R. Sonora, Guatemala, listed 1140-1180, consistently on this freq since 5/8. Hrd 2200, pop mx (mostly US), telephone 26-5-43 several times, CST TC's 1 minute fast, 2225 "La estacion que da la hora en Guatemala" 2302 ID as "R. Sonora", 1180. (Glenn Hauser, Col.)
- 1200 Venezuela. YVOZ, R. Tiempo, Caracas, 0515 5/8 w/frequent IDs, tropical mx, bothering WQAI, Venez. #5, new here. (Wood, Kailua, Hawaii)
- 1292 Cuba. CMKF was here 2230 5/8; listed 1290. Guantánamo. (Rogers, Fla.)
- 1330 Mexico. XEBO, Irapuato, Gto. 0400 5/10 on reg AN sked, had KFAC partially looped, Mexico #31 hrd here. (Wood, Hawaii)
- 1340 Guantanamo Bay. AFPS all alone w/jazz 2320 5/6, good sig. (Rogers, Fla)
- 1460 N. Z. 3YW, Westport 0215 5/9 w/sports mx. First Zedder this evening, EDON looped. (Wood, Hawaii)
- 1515 Nicaragua. YNCE w/definite R. Progreso, León ID 2302, bothered by a strong splash from R. Minuto-1520 and static. 2240-2305 4/26. (Rogers)
- 1517 Dom. Rep. HINL hrd here w/mx; TC and ID between records 2310-2318 on 5/6. Was hrd on 1520 on 4/26 however. (Rogers, Hialeah, Fla.)
- 1560 Mexico. XEVIP Mexico, J.F. w/SS ID 0700 5/9, then into EE mx, plugs CBS affiliation (wow-zd.) and just like any U.S. network stn., EE ID generally as "VIP" or "VIP radio". Assuming on daytime power, fine signal for 1 kw. (Wood, Hawaii)

QSL's

- 790 ALASKA. KCAM, Glennallen. (note correct spelling.) V/1 from Wilfred H. Hansen, Engineer. KCAM is located about 187 miles E. of Anchorage on the Glenn Highway, at the junction with the Richardson Highway coming North from Valdez. My report first Hawaii; others have been from Cal., Okla., N.J. (1-Ed.), Vt., Australia and W. Germany. My #6. (Wood)
- 1320 FIJI. FEC, Suva, v/q from Manager, depicts palm trees and street. (Wood)
- 1439 MARSHALL IS. WSZO, Majuro. Somewhat equivocal letter but, faute de mieux, am counting as a verie. From Jean T. Lely, Broadcast Officer, Trust Territory of the Pacific Islands, Office of the High Commissioner, Saipan, Mariana Is. 96950. Wrote them after 3 non-replies direct to the stn at Majuro. Letter reads, "...I am sorry that WSZO has not responded, giving you an authenticated verification of the reception of WSZO. Ordinarily, our Broadcast stations in the Trust Territory do not do this...I'm glad that WSZO in Ponape did, however. This type of response is ordinarily left to shortwave stations...your comment upon the station drift in frequency is much appreciated...we are operating the Majuro station at the moment with only 1000 watts power, and on a small antenna between 2 telephone poles. Next year...WSZO will probably change call letters and the power will be increased to 10,000 watts, which ought to be audible in Honolulu, too." (Wood, Hawaii) (Nice.—Ed.)

back of the file:
had to hold a report...cramped a bit much already. Walt Rogers moving to Nashua, N.H. 5/19; hope to meet you soon. The Denver DXers are getting Gene Martin (who spotted TGT on 1187) and Chet Wharfield back to the dials, we hear. Father Jack's Brunei tape sounds pretty solid. See You 6/7. 73-Bob



Randall Kane
37 Myrtle Ave.
Winthrop, Mass 02152

Regular Checks heard in April: KCHR KQIK KSUB WBLT WCVA WEAS WFHG WFLX WGAP WKID WKXV WLOP WNKY WPRT(ends 0445) WREL.

New PSAs, 500w except where otherwise noted: 970 WTBF-Ala, KVMW-Ariz (modified, 61w)(from 63w- will somebody please explain that to me? -rk); 1000 KXRB-SD 46w; 1150 KOLJ-Tex; 1170 KUAD-Colo; 1560 WAFI-Ky. (RJE)

Montreal Baseball Network: Weekends and weekday nights-CKGM-980 (English Key Station); All games- French CKJL-900, CJSO-1320, CJLM-1350 CFLV-1370, CHEF-1450, CKLM-1570; English WEAV-960, WFTN-1240, WIGS-1230 WLTN-1400, WBRL-1400, CKPM-1440, WSN0-1450. (from Sam Simmons)

Volunteer Key-punchers: When you send your completed cards to Lon, please return your piece of Log to me. Tnx.

AFTER HOURS-TYPE DX

- 790 WRUM-Me ET/mx strong 5/11 at 2345. (Frank Waldron, Matawan, NJ)
- +900 CHML-Ont since:5/7 being/OFF:0005-0500, for TECH/Ajts(5/16:Later s/back)(*drn that KFRB won't come-in 4 a visit*) (Ralphie Johanns, Buffalo, NY) Off 5/12 leaving 900 clear for the first time in recent DX history. (Waldron) KFRB will be a trick because perpetual daylight is approaching up there- if it's possible, now's the time. (-rk) only time I hrd'em:AN was:5/7(not since, as CHML still not AN) (Johanns, NY)
- 940 KIOA-Iowa Weak o/static w/nx & wx 0150 4/4. (Fred Nordquist, NY)
- 1060 WOIO-Ohio 5/16 hrd with TT/c:0300-0330 (RMJ) (Nordquist)
- +1110 CBD-NB Marine wx, nx 2300-2315 u/WBT null; s/off 0000 4/23.
- 1180 Error Harmonic in 5/3 DDXD is not Hauser's, which means I don't know who heard it. (-rk)
- 1190 WBMJ-PR Hrd on RS u/WOWO 5/11 0100, maybe AN? Not on MMs 5/5-12, has ETs. (Waldron, NJ) (Sam Simmons, Montréal)
- 1230 WMOU-NH Noted 5/14 w/Red Sox BB o/QRM; s/off after game w/NA.
- *1240 WGBB-NY Attn Bubblegum Fans: was noted AN MM 5/12, not on SM 5/11. Perhaps 5/12 was first AN. (Waldron, NJ) 00000000
- *1260 WWDC-DC S/off 0030 5/5 to return 0500; more good nx for Kilroy.
- *+ WWYN-Pa hrd:ann'g:ALLnite(& did):5/9 (Johanns, NY)
- 1340 WTWN-Vt Weak w/Red Sox BB; one WBRK-Mass ID also noted //WTWN, 5/9. (Simmons, Que)
- *1400 WIDE-Me TT 5/1 was r/c, 1st day of month per v/l, 2305-2320 during DST. (Sam Simmons)
- 1430 WIL-Mo Good w/country record ads 0127 4/19. (Nordquist, NY)
- *1440 WJAB-Me R/c is 1st day of month w/TT 0000-0015.
- 1450 WOL-DC 5/5 hrd 0106(ID) & TT aftr,grm by a RS/stn s/off:0131 as W???/AM-FM: SSB (Ralphie)
- 1470 CHOW-DC S/off w/GSQ 0006 4/22. (Nordquist, NY)
- *1490 WOLF-NY Noted off 0045 4/22. (Nordquist)
- *1500 WTOP-DC Was off MMs 5/5-12 at 2300(-0430 5/5); so Non-stop Nx does stop. (Waldron, NJ)

- 1550 WKBA-Va ET w/RR mx, SIDs "KB Country mx" L&G 0148-0154 4/19. (Nordquist, Liverpool, NY) Stn has used about every kind of mx for ETs- perhaps they're programming tests more than equipment tests... (-rk)
- **1570 WTOW-Md Had NRC DX 0200-0230 5/12 following proofs. Info rcvd too late for most. (Jerry Starr, Youngstown, Ohio) spl/tst:5/12 noted:TT/mx, s/off:0230 for NRC-RLA & Jerry *- (Ralphie)
- 1580 KTUF-Ariz DX 4/28 0201 IDs, TTs, mx. (Glenn Hauser, Lowry AFB)
- 1590 WCBG-Pa TT/c, also:5/9:0045-0138 (RMJ)
- WG0E-Va Mx/c, hrd:5/9, Ph#:0044-0122 & 'lost'em'.- (Ralphie)

SUNRISE and DAYTIME

- 910 KNAF-Tex Wx & nx 0605 5/12. (Hauser, Colo)
- 1250 WIPS-NY Has changed to MoR due to WFAD-1490 pressure (both were RR); noted 1700-1745 5/15. Still no sign of CBOF here! (Simmons, Que) Funny, I hrd 'em a couple of years ago.
- 1400 WMSL-Ala S/on 0600 5/12 rather hashed up but quite good at times after w/local spots. (Mike Levintow, Berkeley, Cal)
- WHCC-NC Hrd at times 0500-0530 5/12 w/continuous nx, quite good at 0525. Confirmed per call to stn- my best domestic in 5 years of DX. (Levintow, Cal) (Levintow)
- WGAP-Tenn Faded up for a couple of nice IDs around 0540 5/12.
- unID Weird s/on 0530 5/12 w/SSB followed by 3 rooster crows, into C&W show, then nx. Any help appreciated; Ft. Payne was mentioned but we found out it's not WPPA. (Levintow)
- 1450 WHLS-Mich S/on 0401 5/12, anthem seemed to be "Battle Hymn". (Sam)
- 1550 WPXY-NC S/on at the obscure hour of 0400 EST 5/2 & 5/5 for C&W RS. Think this is legal? (No, not since PSAs & they don't have one. Should s/on 0500 in May. -rk) Let's just see what the FCC in Norfolk thinks about this. (Waldron, NJ) You can be sure the FCC doesn't know, think, or care about it. (-rk) 5/3 s/on(no:SSB), gave Ph/#, to:0437 tune/out. (Johanns, NY)
- * CBE-Ont Hat & SUN s/on is:0500, 0400*restofweek (RMJ)
- +1560 CFRS-Ont wk/s/on:0500(EST/NRC) (Ralphie) 0600 for the Log. (-rk)

Sunset & Evening

- 860 WOWW-Conn Hrd way u/WPEL 1548 5/10. (Russ Edmunds, Hawthorne, NJ)
- 930 WWNH-NH ID o/u WREN w/MoR 2040 4/17. (-Nordquist, NY)
- 1260 WEZE-Mass Hrd u/local WNDR w/tilted loop, wx & MoR 2032 4/21.
- 1320 CKEC-NS Must've been this one 4/22, 5/1 w/hockey as CCKW says not they. (Edmunds, NJ)
- 1340 unID-Que Relay here of CKLD-1230 must be Iago Megantic. Calls? (Simmons, Que) None reported- when hrd? (-rk)
- unID Mutual nx, then relig pgm 1900-1912 s/off 5/1. (RJE)
- 1390 WCSC-SC ID at 2130, CBS Sports, w/local WPHL nulled w/tilted loop 5/4. (Nordquist, NY)
- 1400 WDOT-Vt Predominate at times w/SIDs, RR, Mutual nx 1905-1930 4/26. (Nordquist, NY)
- 1420 WCOJ-Pa ET/TT w/IDs 0000-0005 4/22. (Nordquist)
- 1490 WCSS-NY Snuck (sneaked?) thru also new10 WBCB 1620 5/3. (RJE)
- 1550 WCGR-NY In u/CBE 1923-1930 s/off 5/8. (Edmunds, NJ)
- 1570 WDEW-Mass Hrd 1854-1900 s/off 5/13; tape nolay but enough hrd for a report. (Edmunds)
- WKOL-NY Un u/QRM 1900 5/8. (RJE)
- WQTW-Pa Atop w/good sigs 1925-1932 s/off 5/13. (Edmunds, NJ)

- 600 CFCF-Que Has been sold to the Ottawa TV stn pending CRC permis-
sion, formerly Marconi. \$20 million paid for CFCF, CFCF-
TV, CFQR-FM, and CFCX-SW. (Simmons, Que) (Waldron)
++ 900 WEAS-Ga SASE came back with "our new mailing address: Box 8346."
++ 970 WWSW-Pa SM SP is 0300-0430 for the Log, 0200-0330 during DST.
(Waldron, NJ)
++1000 WFMI-Ala Granted WQTY. (RJE) Note new frequency, Russ. (sk)
++1050 WECL-Wis Granted WOKL. (RJE)
1140 WCLW-Ohio Re 5/3 DDXD, stn has been on for many, many months.
(Bob Shaw, Delaware, Ohio)
++1170 KUAD-Colo Addr is 206 5th St., 80550. (Edmunds, NJ)
++1190 KEZY-Cal Ant is L2. (Edmunds) For KEX? (sk)
++ CP-Fla Pt. Lauderdale, 5000 D1. (RJE)
++1230 WNOR-Va Is NSP again, AN MMs. (Waldron, NJ) (Simmons)
1240 CP-Que Chibaugamau will relay CHVD-1230 & have one local studio.
++1250 KICM-Colo Back on circa 5/2 with new management. (Hauser, Colo)
++1300 CP-Wis Marinette granted WLOT. (RJE)
++1310 KPBB-Mont Granted KKGf. (Edmunds, NJ)
++1320 KXLW-Mo Granted CP for 5000D3. (Edmunds)
++ WKAP-Pa RS:0400(0600)-0000(2300)(EST during DST, add 1 hr for
Log. -sk), MTCE/period (Huh? -sk) is MM(aft S/off) to 0300
(RMJ)
++1360 WWBZ-NY Is Ac. (Waldron, NJ)
++1370 KPCO-Cal This is the call, addr is Box 1370. (Clarence Freeman)
++1380 CP-Miss Prentiss, 1000w, operation, ant, unspecified. (RJE)
CP-Ohio Re 5/3 DDXD, Lorain will be here; the old WWIZ which
lost its license. (Alan Merriman, Bob Shaw)
1400 WYSL-NY Wants to be in Moss-Chase/Bldg(425 Franklin St) by end/
of/July; McLendon bought Bldg. (Ralphie)
1430 WNJR-NJ FCC gave stn 30 days to either appeal in court rejection
of appeal of license non-renewal or get off the air. Ex-
pires 6/1. (Edmunds)
++1500 CKCW-NWT Is a LP Canadian Forces stn at Great Slave Lake, (Sam)
20 or 40w, I assume...but w/CKCW-NB's call? (sk)
+1510 KSOM-Ont New power is 10/1 U4. (Edmunds)
CP-Okla Sallisaw re 5/3 DDXD, not on yet & no call (has request-
ed KSAW.) KRBB is on 1560. (Merriman, Va) (Sam)
++1570 CKLM-Que Seems to be off Fri or Sat, not both, approx 0008-0400.
+1580 WKID-Ill Granted WCCR. (Edmunds)
+1590 WMIM-Pa Is on. (RJE)

Great to have met Mr. and Mrs. Carleton Lord May 17, and, too, to have
welcomed S.J. Bush along with Mike Northam. J&M's again and again!

I spent last week with my head buried in a copy of the new How to Lis-
ten to the World, which is assuredly one of the most incredible publi-
cations of any time for all DXers. Richard Wood's article on Languages
in DXing is superb; Gordon Nelson's MW Propagation and Improving MW
Reception articles are formidable and impressive; Glenn Hauser has fil-
led a long open gap with his comprehensive article on Harmonic DXing.
There are interesting items from many familiar DXers, with photographs,
charts, drawings, and an overwhelming amount of valuable information.
Cesar Objio's comments about the Boston NRC Convention are truly heart-
warming. And all of this can be ordered for the lowest price in the
World through NRC Headquarters!

73, ready

May 24, 1969

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BILL CHEATHAM - 6900 Westmoreland Road - Falls Church, Virginia - 22042

Telephone here is 532-1189 (unlisted), be sure to ask for William
or otherwise you'll get my father, any weekdays after 4. DX: 2/6- WOPA-1100 Pa.
5:30pm s/off. 2/24- WERI-1230 R.I. 3/10- CHSC-1220 Ont. 12:10am s/off, WMNC-1430
N.C. 12:23 s/off? (test?). 3/17- WTAD-930 Ill. 1:06am s/off. 3/19- WASP-1130 Pa.
6:30pm s/off u/WNEW. 4/14- WSNY-1240 NY 12:30am, KFAB-1110 Omaha w/mx, sounded
like a test. WCAL-770 Minn. 1:32 in/out of WABC TT, went right through very well
though. 4/17- WTLB-1310 NY @ 5:18am, slight WJAS QRM, WBNF-1290 NY 5:35am, good.
WJAR-920 R.I. 5:45am s/pn, fair, & WGNV-1220 Newburgh NY w/6am s/on, difficult.
Veries: v/1- WERI WANT. v/f- WMBD WGBB. v/q- WDON WOAT WFBC WATE KFAB CHSC.
Taped reports out to WBNX WYTI WQTW WCAL WFBC WTLB WBNF. Taped reports appear to
be working quite well, especially CE at WGBB was pleased. He also said my report
was one of the farther ones. I think I'll write a f/up to WCAS! About it; 73.

BOB KARCHEVSKI - Box 342 - Belmont, Massachusetts - 02178

Well, I've had a rotten DX season, nothing heard since nothing
tried. I'm graduating from school this June so studies have been more intense, &
I'm living under a very noisy power line transformer. It's so noisy I can't even
hear local WMEC w/their 50kw daytime! But it will soon be over; as soon as school
is over I'm moving to California. My parents live in San Francisco & I'm going
to look for a job in that area. Don Kaskey, I'd like to apply for membership in
ERBA. Because of the move I have DX NEWS Vol. 29-34 (1961-1967) & IRCA Vol. 2-4
(issues missing) available to whomever wants them, free of charge. However, I
will not package or mail them. Call 617-933-5887 to arrange personal transfer. I
can transport them to various areas in Boston. If you live out of the Boston area
arrange w/a buddy to pick them up & mail them. Tom Holmes, change of address com-
ing (with 25¢). Next Musing from West Coast! (Swell knowing you as an Easterner,
Bob, & much success to you out in the Wild West! -ERC)

WILLIAM B. FEIDT - 9931 Glenn Dale Road - Lanham, Maryland - 20801

Very little added here since last time. I was up early on 4/29
for a couple of s/ons: WLIX-540 NY from 5:28 w/Community Bulletin Board type show
& ID 5:30 u/OC which I presume was WDMV. WINE-940 Monn. was in w/a very fine sig-
nal from 5:40 w/NX & soft mx. I was surprised to hear this one dominant; they must
have major lobe in this direction. WNRG-940 Va. noted @ 6 s/on & turning the fre-
quency into an impenetrable jumble. I received v/q & various materials from WCAL
from their TRMT, but still nothing from KECK. That one was so long ago it will be
coming to my old address. I have a complete set of FBIS log on order from the Gov-
ernment Printing Office, & they estimated something like ten weeks for delivery, so
anyone ordering it, don't be dismayed if they take a while getting it to you. I
hope to get a little more listening time under my belt for the next Musing & hence
have more to report. DX to all & C U N 30 or so.

BRUCE REYNOLDS - Route 2 - Warrensburg, Missouri - 64093

The password here is BUSY! Not DXing, however. Thanks to a pile
of class work during my last quarter at Central Missouri State, baseball trips, &
other assorted activities, I haven't DXed or sent any reports for the past month.
A few veries (very few) have trickled in! v/q- KISA. v/c- KFSC-TEST. v/r- KSVP,
f/c. v/1- KBOL-DX KUOA KCLS. The verie return has been no disgusting this year I
find it hard to whip up enough enthusiasm to send out a report. I enjoyed a weekend
visit from Ernie Wesolowski & Walt Breville in April, & if any other NRCers plan to
be in this area in the coming months, please drop by. Our broadcasting club at C-M-S-C
has recently become a chapter of Alpha Epsilon Rho, the national broadcasting honor-
ary. Any other A.E. Rho members in NRC? Make those plans to be in ST. LOUIS this
Labor Day, a good time is guaranteed. See you there? 73n & go, K.C. Royals!

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

Very prompt v/f received from KALF-TEX. Ariz. now stands at 6/4. No
spectacular DX but a few newies added. 4/25- WMAB-840 Ala., apparently a new sta-
tion, 3:10am w/ET. Report out w/request for info. 4/29- WNSP-1560 W.Va. 5am s/on.

5/3- 7:58pm s/off WRIN-1560. 5/6- 5:13pm WFRN-1490 for ID u/semi-local NSPer WABJ, & that's it. Well, it seems like I can't make it to Dave Roys' get-together. It looks like BER might not make ours! He got promoted, and works that Sat. Well, there'll still be Merrill & me, if that's any consolation. Also, as Martin Blumen-thal asks, who, what, & why Cooper-Trent? How 'about an answer, somebody? That's all. 73. (I'll try to find room for an explanation in this issue -ERC)

DAVE FISCHER sends his new address, effective 5/21/69: Box 6256, Lincoln, neb. 68506

CLEVELAND INDIANS' BASEBALL NETWORK (no name on sheet as to who sent it in)

OHIO: 1300 W E R E Cleveland 1430 W F O B Fostoria
1590 W A K R Akron 1520 W K N T Kent
1340 W N C O Ashland 1400 W M A N Mansfield
970 W R E O Ashtabula 1490 W M O A Marietta
1480 W H B C Canton 1300 W M V O Mount Vernon
1560 W T N S Coshocton 1430 W C L T Newark
1280 W O N W Defiance 600 W S O M Salem
1450 W J E R Dover 1450 W L E C Sandusky
930 W E O L Elyria 1340 W S T V Steubenville
900 W F R O Fremont 1370 W S P D Toledo
1340 W B B W Youngstown 960 W W S T Wooster
1440 W J J L Niagara Falls NY 1260 W W Y N Erie, Pa.
1490 W T C S Fairmont, W.Va. 1490 W M G W Meadville, Pa.

THESE BELOW SENT IN BY FRANK MERRILL:

DETROIT TIGERS 550-1150 WKZO WIST WJR WSGW WKBZ WATC WMPL WIDG WHFB WGEN
1230-1380 WJEF WSOO WSTR WCBY WHGR WDMJ WMTB WAGN WMEN WWAM WPLB
1400-1480 WTCM WGOB WATZ WHFC WMIQ WKLA WNBV WBRN WIOS

MONTREAL EXPOS EE- 900-1400 WEAV WIGS WBRL WLIN. FF 900-1400 CKJL CJSO CJIM CFLV
1400-1570 CKPM WSNO CHEF CHR D CKIM

PHILADELPHIA PHILLIES

550-1210: WHIM WCHA WEEU WILK WKOK WDEL WCAU
1220-1470: WJUN WKBO WBPZ WLBR WGET WORK WEST WRAK WLSH WCOJ WFPQ WPAM WSAW
1480-1490: WISL WAZL WGAL WBCB WMRP

ST. LOUIS CARDINALS:

580-860: WELO KFBQ KCMC KBOE WMC WKZI KWPC KOAM
900-1010: KOAM KHOZ KLCN WAKO WADP KWOC KFVS WMAV KCAB KAYL KIRA
1070-1230: KILR WCRA KMOX KYOO KBEM WJBC WHCO WHOP WCMA KJWT WBBZ
1240-1250: KTLO KWAK WEBQ KBIZ KFMO KWOS KSMO KYSO WRAY WREN KETC
1260-1330: KGBX KNEY WGBF KSOK KLCO KLUE WCBL KOKX KFSE KWHN KFH
1340-1390: KBTA KROS WJPF WBIW KLCO KMBZ KWBZ KXIA KXBN WNBZ KYOB KXIB
KFFA KCLI KMUS KCBC
1390-1410: KCRS WJUS KELD WMSW WOLL KVPD KPRU KSMW KWGN KXOR WQMT
1420-1460: KPQC WOC KJMH WKBI WAOV WROX KIRX KJFF WBSG KMET WLOK
1470-1520: WMBD WNAU KDRS KOTN WGRD WDAW WBBQ WOLD KITT WOKL KSLB
1550-1580: WJIL KBRJ WPAY KPCA WAWW

NEW YORK YANKEES:

570-1050: WSYR WFRM WNYW WLAD WCY WVPO WKRT WEAV WHN
1150-1320: WRUN WENY WJTN WNEZ WSKI WBNR WHLD WDLA WNEF WHHO WSCR
1340-1410: WMSA WEOK WSLB WRAK WDOE
1440-1570: WCDL WCLI WHDL WESB WKNY WICY WDLG WNET WDEW

PITTSBURGH PIRATES:

590-1150: WMBS WPIC WJAC WCPA WMMN KDKA WHUM
1230-1400: WBVP WRTA WENE WLEM WKST WBF D WMAE WRLE WCVI WTRN
1400-1450: WKBI WBOY WKWK WCED WEIR WAJR WTBO WTRA WMAJ WJPA WPAR

HOUSTON ASTROS:

560-960: KLVI KALB KWFT KFYO KOSY KAMD KPRC KGKL
1010-1300: KBUY WNOE KRLL KWKH WJBO WOAI KSIX KWTX KIOX KRGV KVET

HOUSTON (con'd): 1340-1480: KZNG KBWD KTSM KAOK KBYG KRIG KNAL KPFL KIRE KMLB
1480-1500: KWEW WIKC KANI

CINCINNATI REDS:

590-1150: WVIK WOTT WLW WSAZ WJEH WMMW WCLW WIMA
1230-1330: WHIR WANO WIRO WFTM WPKE WHIZ WNYT WORK WHIO WVOW WKOV
1340-1410: WLBC WEKY WIZE WCSM WMOV WGOH WKJG WTCO WCMN WETH WAZY
1440-1570: WPGW WMOH WKBV WFKY WMOA WSVL WCLW WPTW

KANSAS CITY ROYALS:

580-1230: WTBW KGGF KLSI KGLC KMA KMBZ KIND KFPW
1240-1390: KINZ KIUL KAKE KODE KHEM KWHK KDKB KWNS KIMO KILN KSEK KENO KAMO
1400-1490: KYOE KAYS KTTS KLIN KJCK KULY KOKO KGHM KIMO KDRO KBCN
1550-1600: KKJO KNDY KLEX KESM KVGB KRFS

BOSTON RED SOX:

550-1080: WDEV WGIR WRUM WEAN WHDH WABI WAGM WTIC
1230-1290: WEME WQDY WMNB WMOU WTSV WJOY WCOU WHAI WQON WARE WKNE
1340-1420: WPAU WBRK WTWN WINY WBTW WBBX WILI WIDE WHMP WISL WWSR
1450-1490: WLKN WRKD WKTQ WMAS WKXL WBAR WTVL WKVT WIKE.

(Several footnotes to the above indicating all stations do no carry all games.)

CHANGES IN STATION DATA - F.C.C.

(Purchased from Cooper-Trent Division of Keuffel & Esser Co., Washington 20036)

NEW STATIONS

1110 Warwick, New York 250 D-1 1500 Rockingham, N. C. 500 D-1
1170 Mechanicville, New York 250 D-1 1510 Marshfield, Missouri 250 D-1
1240 Wilkesboro, North Caro. 100 U-1 1560 Clemson, S. C. 1,000 D-1
1430 Clarkston, Washington 500 D-1 1590 McFarland, California 500 D-3

NEW CALLS

560 W C K L Catskill, New York 1490 K C U Z Clifton Arizona
1130 W P U L Bartow, Florida

CALL CHANGES

600 K E W E Fort Collins, Col. fr. KZIX 1380 W T N N Millington, Tenn fr WGMW
920 K O R K Las Vegas, Nevada from KRAM 1600 W U N R Boston, Mass., from WBOS
1380 W D A T Ormond Beach Fla. from WQXQ

FACILITIES

630 W M A L Washington, D.C. to 5,000 U-4 from 5,000 U-3; no change nights.
920 K O R K Las Vegas, Nevada, to 5,000/500 U-4, from 1,000/500 U-2, move XR SSW
1050 W S E N Baldwinsville, N.Y. to 1,000 D-3 from 250 D-1; move XR SE.
1090 K I X F Fortuna, California, to 10,000 D-1, from 1280 kc/s', 1,000 D-1.
1110 K R L A Pasadena, California, 50,000/10,000 U-4 - minor DA changes.
1170 K L O K San Jose, California, to 50,000/5,000 U-4 from 10,000/5,000 U-4.
1270 K B U B Sparks, Nevada, to 5,000 D-3, from 1,000 D-1. Move XR SE.
1320 W G M A Hollywood, Florida, 5,000 U-4. Changes in day pattern.
1360 K M O Tacoma, Washington, 5,000 U-1. Move XR NNW.
1230 W M P C Lapeer, Michigan, to 1,000/250 SH-1 from 250 SH-1.
1400 W I C K Scranton, Pennsylvania, to 1,000/250 U-1 from 250 U-1.
1450 K Z I N Yuba City, California, to 250 U-1 from 100 U-1.
1590 K U D U Ventura, California, to 5,000 U-4, from 1,000 D-3.
1450 K E N A Mena, Arkansas, to 1,000/250 U-1 from 250 U-1.
1400 K R E O Indio, California, 250 U-1. Move XR WNW.
1500 W J B K Detroit, Michigan; 50,000/5,000 U-4. Changes in day pattern.

"AN" SITUATION

ONS: 740 K C M C SPU (on MMs - c/w) OFFS: 900 C H M L 4 hours (Ra:phie)
1240 W G B B NSP (started 5/12; rr) 960 C K W S
1260 W W Y N SPU 1410 K E R N
1440 K I L O SPU 1500 W T O P Sun 11pm-1am MM
K Q R S AN-6 1520 W K B W Many MMs.

To those who inquired: Cooper-Trent is a printing company which got the grant from the FCC to publish their actions, formerly published by the FCC itself. Cooper-Trent apparently underbid other firms seeking the franchise. They've been taken over by Reader-Esser Co. recently.

This is the first of what should become a regular column--a condensation of recent items appearing in the ANARC Newsletter. This first column will attempt to summarize the last several Newsletters.

An amendment was made to the ANARC Constitution to change the method of voting--under the new system clubs get one vote for every 100 members (or fraction thereof). NRC has between 301 and 400 members and so gets 4 votes. ANARC dues are \$1.50/year for each vote so NRC pays \$6.00. These votes are for all proposals brought up in ANARC but not for election of Executive Secretary--he is selected by an election in which each ANARC representative (NRC has 3) has one vote.

Toronto has been picked as the site of the 1969 ANARC convention to be held in July or August. Other contenders were Hartford, Conn. and West Sacramento, Cal.

The New York State DXers Association has applied for full membership in ANARC. They are now an associate member club (ANARC's first such under a recent provision) and have reached the required 51 members for full membership. NESWLC and CDXC have been dropped from ANARC under a new rule that requires that any club that misses publication of 3 successive bulletins be declared inactive and dropped from ANARC.

Glenn Hauser is chairman of the ANARC Man of the Year Committee--anyone wishing to make a nomination for this award should send their nomination to Glenn at Box C 8638, Lowry AFB, Colorado, 80230.

A new service to DXers may soon be coming from ESSA (Environmental Science Service Administration)--propagation forecasts to be broadcast in plain EE over WWV. These will include the useful frequency range (LUF to MUF) for several TA and TP paths and also possibly magnetic indices. K values (3 hour indices) have been asked for and these can be readily converted to A values.

With this issue of DX News is included an ANARC census questionnaire. The purpose of this is to enable ANARC to get some information on DXers in general--basically what their interests and abilities in the field of DXing are. This form was prepared by Gray Scrimgeour and myself with helpful suggestions from many others in ANARC clubs. The results of this census will be released only in statistical form and not on an individual member basis. Hopefully the results will enable the individual clubs and ANARC as a whole to better understand and serve the needs of their members, both within the clubs and on the outside in contacts with manufacturers, publishers, etc. When filling out this form please type or print plainly. If you are a member of more than one club, please send in only one form. Lets give NRC the best percentage of returns of all ANARC clubs.

Philip L. Sullivan 152 Third St. Leominster, Mass., 01453

Arrange a DX Test in reverse. If you have a local NSP, find out if they have any silent periods planned, perhaps for testing. This info is, many times, just as important as DX testing. Many NSPers have one silent morning per year.

Please complete and return
to: ANARC Census
Phil Sullivan
152 Third St.
Leominster, Mass.
01453 USA

- Name _____
Address _____
Year Born _____ Occupation _____
Education (if college student, give major) _____
- What type of DX'ing do you do? _____TV _____FM
____Long Wave _____Ham bands _____Short Wave Broadcast
____Medium Wave _____Utility _____Other (specify) _____
Year started DX'ing: _____
- Do you have amateur or CB license? _____yes _____no Call: _____
- Club membership:
Presently belong to: _____ASWLC _____CIDX _____IRCA _____NRC _____NNRC
____NYSDXA _____NASWA _____WTFDA Others: _____
Formerly belonged to: _____ASWLC _____CIDX _____IRCA _____NRC _____NNRC
____NYSDXA _____NASWA _____WTFDA Others: _____
- Make and model receivers used:

ANTENNAS used:

Do you use a tape recorder? _____yes _____no
Make & model: _____
Other equipment used for DX'ing: _____
- Do you build any of your own equipment? _____No
____Just from kits _____From scratch _____Design and Build
Do you repair and/or maintain your own equipment? _____No _____Yes, only simple repairs _____Yes, all work
- What publications in the radio/electronics/broadcasting field do you read regularly? (excluding club bulletins)

What type articles interest you most? _____Construction articles
____Features on stations _____Theory _____Propagation
Other: _____
- ____Check if you want information on other ANARC clubs