



DX News



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"Congratulations on the great work on the DX NEWS
and keep up the good work. At a glance everyone can
see how well DX NEWS outdistances the competition."
(Scott Brockway, N. Y.)

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MORE NEW MEMBERS THIS WEEK!

*Dave Dunning, 2-29 Hartley Place, Fair Lawn, N.J. 07410
*Steve Toenjes, 1724 2nd Ave. NW, Waverly, Iowa 50677
*Harold Miersma, 7735 S. Natoma, Oak Lawn, Ill. 60459
*John A. Cotton, P.O. Box 85, Sta. H, Buffalo, N.Y. 14214
*Larry Van Horn, 502 Adrian, San Antonio, Texas 78213 (Rejoins!)

Welcome to the NRC, gentlemen, it's good to have you aboard. Your new member kits will go into the mail this week and you will be receiving them shortly, Christmas mail willing... Those new members who have joined from Communications Handbook directly without having received our sample bulletin material, you'll find a full set of abbreviations in your new member kit...

RENEWALS...

Brown... Fregeau... Brockway... Schwarz... White... Swiger.
Young...

WRYT VERIFICATIONS WILL EXIST!

Just a reminder that anyone who's not received a QSL for the 1969 WRYT Special - just send a follow-up to NRC HQ (NOT to WRYT; all personnel connected with the Test have since moved on...) and Big George Kelley will promptly verify...

MECHANICAL FILTERS!!!

Kokusai was supposed to have shipped our order via Air freight several weeks ago and we expect the shipment to arrive any day now. Those who have ordered filters will receive them immediately once the shipment arrives; if any are left over we'll let you know here in DX NEWS. Also a reminder that we have available just about all of the information on the theory and practice of mechanical filters that has been printed; in addition to the 18 page NRC article we can also supply copies of MF articles from CQ, PopTronics, RTVE, etc. If you've had even the slightest experience with electronics and can follow instructions there's no reason why you can't obtain the full benefits of mechanical filter selectivity. During the past few years we've sold more than a thousand dollars worth of MF's through NRC HQ as a nonprofit Club project and many of our top DX'ers couldn't be parted from their MF's at any cost...

THE RETURN OF STANWOOD!

Once again the BPC welcomes Stan Morss back to our weekly publication meetings; ever since the publication burden moved to Boston Stan's come down from the Mass. - N.H. line to help with publication, often at considerable cost in time and effort on snowy New England roads... And, as always, Stan's the perfect house-guest; anyone by chance know where we can trade in a pair of human thigh bones for a carton of Doctor Pepper...? BPC thanks also go to Michele Mercer for helping us with last week's issue of DX NEWS...

GIVE THE REPRINT CHAIRMAN A BREAK...

When we began our effort to make available copies of interesting articles from DX NEWS last spring we expected to sell a few pages of reprints; instead we've mailed out over 6,800 pages of reprints in the last 7 months. Mark Katz took on the job without fully realizing just how heavy the traffic would become; nevertheless he's done a great job of sending out all of the requested reprints as quickly as possible... But lately a number of rather brusque letters have come into HQ demanding to know why they have not received their reprints immediately... For your information, it takes several days for your requests to arrive at NRC HQ, and then several days often elapse before Box 99 mail gets to Mark... Give him a couple of days to reply, and an indeterminant number of days for the P.O. to deliver and the delay can easily mount up to two or three weeks... If your NRC reprints haven't arrived within a week of the time you originally sent the order, have a little patience and don't start bombarding HQ with irate letters...

DX SPECIALS

| | | kc/s | | watts | A.M. EST. | INFO: |
|--------------|---------|------|---------------------------|-------|--------------|-------|
| Sat. Dec. 19 | W N A K | 730 | Nanticoke, Pennsylvania | 1,000 | 12:01 - 2:00 | NRC |
| Sun. Dec. 20 | W G O E | 1590 | Richmond, Virginia | 5,000 | 12:01 - 4:00 | IRCA |
| Mon. Dec. 21 | W I N R | 680 | Binghamton, New York | 500 | 12:01 - 4:00 | NRC |
| | W A Z Y | 1410 | Lafayette, Indiana | 1,000 | 4:00 - 5:00 | IRCA |
| | W I Z S | 1450 | Henderson, North Carolina | 250 | 2:30 - 3:00 | NNRC |
| Sun. Dec. 27 | K O A M | 860 | Pittsburg, Kansas | 5,000 | 1:05 - 1:30 | IRCA |
| Mon. Dec. 28 | W E E B | 990 | Southern Pines, N. C. | 5,000 | 1:00 - 2:00 | NRC |
| Fri. Jan. 1 | K O R N | 1490 | Fremont, Nebraska | 1,000 | 2:25 - 2:40 | IRCA |
| Mon. Jan. 4 | W J R L | 1530 | Calhoun City, Miss. | 250 | 2:00 - 2:30 | NRC |
| Sat. Jan. 23 | W M N C | 1430 | Morganton, North Caro. | 1,000 | 2:00 - | NNRC |
| Mon. Jan. 15 | W S T P | 1490 | Salisbury, North Carolina | 250 | 2:30 - 3:00 | NNRC |
| Sat. Feb. 20 | W K K E | 1380 | Asheville, North Caro. | 5,000 | 1:10 - | NNRC |
| Mon. Apr. 26 | W G B G | 1400 | Greensboro, North Caro. | 250 | 2:00 - | NNRC |

- WNAK-730. Cliff Reno called this info in and he says WNAK will be on about two hours on 12/19 starting at a minute after midnight with a TEST, consisting of musical recordings, and many IDs. They're non-directional, so should get out quite well. Reports go to Mr. Robert Neilson, Chief Engineer, WNAK, 40 East Main Street, Nanticoke, Pa. 18634. This will be a Proof of Performance Test by WNAK, an annual affair.
- WINR-680. This program, put on by the Boy Scouts, is also an annual affair. See previous issue for details and address.
- WIZS-1450. Reports to Mr. Walter M. Luce, Director of Engineering, WIZS, Box 1299, Henderson, N.C. 27536. IDs, music, & tones of varying pitch.
- KOAM-860. This is a weekly test, and approximate times. No further details yet.
- WEEB-990. NRC'er Joe Kureth, of WEEB, will have his station on the air for an annual Proof too, from approximately 1:00 to 2:00 or later, using a variety of music styles, and varied tones and many IDs. They prefer taped reports, & will test, as well as their regular 5kw. XR, their auxiliary of 250w. Joe asks us to request all who have WEEB logged and verified, to send in a card-report anyway, as they want to see how well they get out. They got 40 reports on last year's TEST. WIBG, WNOX, & CBW will all be off. Send reports to Joseph Kureth, Box 572, Southern Pines, N.C. 28387 - NOT to the station! Try for this one!

CONGRATULATIONS!

to MR. & MRS. BILL ALISAUSKAS Jr. who were married on Saturday, November 21st at 11:00 a.m. Those who attended the NRC Convention met both Bill and Jo Ellen. Our very best to the happy pair!

BEG PARDON

I want to correct a statement concerning my report in Issue #7, 11/21/70. Some time last Spring, I made a trip including a visit around the Holdrege & Lexington Neb. area. I was told by two unknown area people about KRWN moving to 880k etc. Although I was in error by waiting so long to pass this along to the Club, I now learn that my hear-say information is INCORRECT. I do not know the true status of any commitment, if any; the change of frequency, the 50kw. transmitter or money. (signed) Ernest J. Wesolowski, 1416 Pasadena Avnnue - Omaha, Neb. 68107.

Correction- we DO have data on KOAM's Sunday TESTS. John H. Davis of KOAM writes: "You may wish to inform your readers that our newly-instituted maintenance program includes on-the-air tests each Sun. morning at "0105 EST or 0130 EST" depending on the amount of work to be done. The usual time is 0105. Frequently we use only our directional antenna so listeners to the N & E may sometimes be unable to hear us. Otherwise I believe our signal is one of the DX'er's best opportunities to log Kansas." They have v/qs; send to KOAM, Box F, Pittsburg, Kansas 66762. J.LOMBARDO

MUSINGS of the Members

Ernest R. Cooper
438 East 2nd Street, NY 11226

STAN MOSES - Route 3 - Bradford, Massachusetts - 01830

11/13- WTAI-1560 Eau Claire @ 5pm about equal to WQXR. At same time, IBS covered 1540 w/no sign of WPTR. 11/14- WZLX-1530 on HS, verie, a nice blue & white v/q already in - I thought they had been bad-mouthed as a non-verifier? (Evidently they were still having their v/q's printed - it was, therefore, a bad rap -ERC) 11/15- WAMB-1190 Donelson Tenn. ETS @ 3am. Who on 1230 w/FF songs & no IDs, 3:30 & on? 11/18- WFDX-750 rather hard on the ears u/local WREB - tape & report sent, to 5pm s/off. 11/19- R. Tiempo-1300 Caracas w/tremendous signals & 13 commercials, all IDed, so a report again. 11/22- WSCV-1050 Peterborough, N.H. to 4:30 s/off o/WEM for a change for a report (Three to go in N.H. - WERI/WIEN/WFNE). Veries also from WODI-DX & WKBQ Pop. Keep out of Mini-Cinema & keep tuned to WCPN. (?? -ERC) TOO MUCH DE PEPPER? - BFA

THOMAS R. SUNDSTROM - Box 205 - Millington, New Jersey - 08046

Scheduling in preparation for early registration at the college plus a host of untangling problems for the computer has all but eliminated DXing time here recently. I have been trying to get some DX Specials, to no avail. Since I cannot stay up to those weird hours, I use a timer to operate the no-drift transistorized Knightkit H-195 RX (which splits 10x easily) & an auto-level record cassette tape recorder to tape the frequency. I set the loop up the night before. WODI-1230 on 11/9 was not heard on the tape; it was so jumbled I couldn't pick out any IDs whatsoever. WCRV-1580 on 11/23 was not heard either; the only understandable ID was one @ 1am from WERP in Fort Lauderdale. (WCRV was asked for 11/27 -ERC) WCRV was in my backyard when I was living in Stockton, CA prior to going to college. Question on the DX NEWS - did the addressograph break down? The address is always hand-written, and even though via first class, it doesn't consistently arrive on Sat. or Mon. as does IRCA's bulletin. 73.

JOHN F. PINCKNEY - 2903 School Street - Alexandria, Virginia - 22303

Hi again gang! How's the leftover turkey, hi? EN 10/18 logged in order (** means report, ** means verified). WJVA-1250* WJAN-560**. No station WTRQ-1560** on ET s/w w/long speech between records. I rebuilt the log again (???) & 11/16 was a busy night indeed. Loggings were: WJW-940 WQJ-1320 WFOC-1290 WJWL-1600 WAKR-1590 KBYN-1000 & last but not least WFBL-1390. All had been reported except WJW KBYN & WJWL. SSB DX (\$ means logged at Tom Buckley's shack) WAFB-690*, WMAZ-940*, WJAN-740* WAFB-690 (this time at my place). MM 11/23- WBYK-1290 s/on @ 4. Other assorted stuff, WJRE-970 s/on @ 5 mixed w/WGVA & someone u/his. Only probabilities, WAVE & WSTX. They were heard last season but not enough for report w/WIVI call. More DX, WFIL. New arrivals for Christmas, Lafayette EA-600 & a Radio Shack Aircraft RX. Would an International Crystal BAF-1 amp improve my loop? I'll close now so 73 & phone 703-768-2404 after 5, & no COLLECT calls. I am working at my school's CCTV unit at Rayfield High. The call is WRAY.

DR. RICHARD E. WOOD - LOUISIANA STATE UNIVERSITY - Baton Rouge, Louisiana - 70803

V/1 for reception in Hawaii: KMSO-1090 Cal. Please cancel my statement on the spelling of BEVERIDGE antenna in my last Musing; I have now been informed by Jerry Conrad on good authority that the inventor was Beverage, not Beveridge. My confusion results from my years of membership in the N.E. DX Club which to the best of my recollection has always spelled it "Beveridge." In Britain, & doubtless in N.E., Beveridge is quite a common name but beverage, only a drink. Not so on Long Island, it seems. (Nor in Haines City, Fla. -ERC)

NEXT ISSUE IN ONE WEEK WITH BROOKLYN DEADLINE WEDNESDAY - TH N WE'LL SKIP A WEB AND BE BACK WITH Y'ALL AGAIN ON A WEEKLY BASIS IN THE BRIGHT NEW YEAR OF 1971. WE HOPE YOU WILL CONTINUE TO SUPPORT THIS COLUMN. LIST DATES/TIMES OF RECEPTION

ROGER W. WINSOR - 718 North Fremont Road - Valparaiso, Indiana - 46383

Not quite as much DX heard lately due to not too hot CX. MM 11/16 saw very Auroral, & was fun to not hear normal regional stations, but then there was nothing to take their places, hi. Unk R. Emperador-910, not R. Aero-puerto, as they're on 915a now. XEAO "R. A O" in all W, only 250v listed. 1:17 KVET-3100 in/out, mentions of "here in Austin" but their call letters sounded like KFMB on my tape. H'mm. WFIL-1490 N.C. NSF rr in ror log 1:50-2:12 w/John Jey Show. WJJJ-1260 ET/mx u/WCLC r/c, ID @ 2:16 & 2:20. WAMB-1190 ET/mx w/great signal o/KLIF 2:28-3:06 & on. KRLD WIBC & WIRE off MM. I heard HOMER-655 Carrousel IAC. Then I finally logged CFWW-1470 Man. w/rr Jingles & Chuck Morgan Show, 3:49-4:15. 11/18- WENR-1090 noted & logged 5:25-5:30pm s/off. WFBP-970 finally heard ending Mutual WX, quickly u/WERH. WRAC-590 @ 5:46 s/off, KRBO-1530, TX heard during 6:15 s/off-SSB, none reported though. 11/19- WQX-1570 heard w/rr @ 5:32pm, but then u/the mess. 11/20- My 30th birthday. WTAI-1250 Fr. noted in w/good signal @ 4:16, which is a little early for them, & then the DJ mentioned it was his birthday also, so I logged then 4: 6-4:30. WPHB-1260 heard w/organ mx @ 4:42, then I logged WGSB-1310 Pa. 4:43-4:46pm s/off. I taped two spots & s/off in this short time. I ended the PM w/another try at verifying WFLP-810 Wisconsin 5:10-5:30. They peaked just before s/off, & I got a beautiful word-for-word taping. CPCL-620 Ont. in w/FF @ 5:40, rarely heard here, whilst trying for KMNS Ia. MM 11/23, a washout as far as loggings. I did note some r/cs, however. WQMS on past listed time w/good signal. WCBG-1590 12-12:15 TT, KSYL-970 Lv. w/booming signal 1:05-1:20 TT, KPHW-1340 1:15-1:30 TT, KPUR-1440 TT 1:15-1:20, KIMS-1480 N.B. 1:20-1:35 TT, WPHB-1260 1:15-1:23 s/off TT u/WPBM OC & XEL. WML-1240 my only logging w/r/c-TT 1:42-1:45 s/off. Also somebody on 1490, WS--? w/f/c ID @ 1:50, but I missed it. Anybody catch it? Veries: Hah, only three, WJEF KBCI & KIMS, all v/1, all for SSS. 73a.

JOHN W. BOGERSHIDE - 3 Marquette Drive - Marquette, Michigan

11/18- New log in WGSB-1310 Ephrata nicely atop w/NX, sports 4:30-4:45pm, then WPHB-1260 Phillipsburg atop @ 4:50 w/local ads, WJJC-1360 Matewan w/sports @ 4:55 for new log. My third new Pa. log of the PM was WJJB-620 Greensburg w/WX & pop mx, (Is this rr or MoB? -ERC) @ 9:58pm. No sign of usually dominant WJMJ in N/E loop direction. WPRO-630 atop @ 10pm - funny, last night when WJAB-920 was in so loud, WPRO was not in at all. Milwaukee Bucks EKB oted on WJMJ-620 as well as 1230 1240 1280 1400 1440 1450 & 1590. Can anyone supply a Bucks EKB net list? These at midnight as they were playing on the WC. WJJB-620 again @ 12 s/off-SSB. Then wonder of wonders, long-sought WJWJ-620 Newark w/ A-1 NX 12-12:05 for N.J. log #8. Then @ 12:40 another long-desired log in CHFT-680 Toronto w/good music. Another good log on WAKY-790 Louisville w/easy-listening mx after NX @ 1:05; WAPX-1600 Montgomery w/MBS NX & "Cracker" talk at 5:05pm. 11/20- CYBR-900 Sudbury in FF for new log @ 6pm. 11/22- WEEB Southern Pines s/on-SSB 6:45am. WCLX-850 atop 6:50 on AN show; WFNC-940 Fayetteville good signal @ 6:50, new log; WSPA-950 s/on @ 6:45. WPHB/WFTR-960 atop @ 7; WPHB-940 s/on @ 7, no enthen. Seconds before was an SSB & a 5,00w s/on w/what seemed to be WYWG, but couldn't get call exact. 11/23- r/c-TT from WCBG-1590 Pa. 12-12:15, WAKR really tough as usual. Only ID noted @ s/off time. WCLD-1230 um @ 12:30 s/off-SSB. I believe it was they who had Milwaukee EKB, earlier but I am not sure. Great opening into Ia., Minn. & Neb. after 4:30pm. KMIL-1400 Marshall for new log in/out w/semi-loc-1 WCOV @ 5pm; KXII-1430 atop @ 5:05; WPMN-1410 s/off 5:30; KLM-1410 Le Mars w/sports @ 5:35. Following are asked changes for ERC Log re per phone calls to stations: (This should be sent to RUSSELL EDWARDS -ERC) WJMS-590 Ironwood 5:30 (0700)-12: 7; WATW-1400 Ashland 0630 (1890)-11pm; WEEB-560 Duluth no longer AN, 0700-0100; KDAL-610 Duluth 24 hours, SPS SM 4-8:30 & MM 1--7; WDEM-710 Superior no longer AN- 0630 (0800)-2am (1am).

BLAKE LAWRENCE - Box 803 - Canon City, Colorado - 81212

Hi! Several new catches this week - KNIV-1060 KLFM-1390 KXII-1280 KIZZ-1150 (all on r/cs) KXIX-1590 KXIX-600 WMBH-1450 WTOP-1490 KXIX-630 KBBE-940 TMO-1000 (I tried for this one on RS for two years & I finally get it on an ET! How ironic! KILAC-1300 KXIX-1310 KFXD-580 KXIX-920 KXIX-730 & KXIX-1380.

Best of the week - KULE-730 Ephrata, W sh. Details in DDXD. Some unIDs - 11/14 - An SS on 910 @ 8:40-8:55pm w/EE/SS rr & announcements after every "Es la nueva ah oh" (or "hah oh"). XEHO? That would be AH-chay oh, wouldn't it? (This ~~was~~ to be XEAO, Radio A O -ERC) (Tijuana) 11/14 - An SS on 1180 w/ID @ 8:30, "Es la Voz de los Estados Unidos de America". Thus is VOA, isn't it? My Knight-Kit Star Roamer is fixed again & it sounds better than ever. I never got my 11/21 DX NEWS. Was it published? (Of course -ERC) Veries in since last report are v/qs from KCPX-1320 WNOE-1060 KFAB-1110 & KNX-1070. The one from KNX was left blank at the spots for insertion of time & date of reception, & it was unsigned. I'm lucky it got addressed to me, hi! SCers, I'm all out of KIMN SCs, but KDZA SCs are still in "stock" here. Please write. Is KGBS-1920 on nights now? The L. A. Times says they have an 8pm to midnight show but the NRC Log says they're off at SSS. Who's right? I hope to join IRCA for Christmas. I hope everyone had a nice Thanksgiving. Totals now, 474/8. 73s, 146s, 219s, etc.

ANDY KERR - Box 322 - Creswell, Oregon - 97426

No folks, I didn't die and go up to that big receiver in the sky to twiddle the dials - I am alive and well. Right now I am attempting to construct the famed Fischer Loop. Everything went along fine until I tried to obtain 150' of wire. I couldn't get it longer than 100'. When complete I hope to hook a pre-amp into it. I got a letter today from this guy who has a new type of loop antenna he wants to sell. He says he wants to build a few more before the construction details appear in DX Monitor. It is called the "Space Magnet". It is guaranteed to out-perform your air loop or money refunded. He claims that a 12" ferrite rod attracts signals 400 times better than air. Loop & circuitry are completely shielded from electrostatic noise, 50db nulling, transistor pre-amp & can be connected to antenna-ground terminals wrap a turn around the cabinet. If interested you can contact J. A. Worcester, Worcester Electronics Laboratory, E.D. 1, Frankfort, N.Y. 13340. Price is \$29.50 for the one he has to sell. Only one recent verie, KOLO Reno, my first Nevada. I kid you not. 73.

STEVE KAMP - 6149 Monteverde - San Jose, California - 95120

Veries: v/PP/c from local KSOL-1450 (I thought I'd get 'em before they might change calls); v/l's from KQMC-740 Texarkana Tex. & KBRZ-1460, Freeport Tex. v/qs from CJTB-940 Vernon, B.C. (for RS-DX-TFST) KSVU-980 Richfield, Utah & Okinawa-1178-VOA. DX here: KOAC-550 Ore. o/everything @ 8:40-9:02pm 11/21. 11/22- Weak signal from Tarawa-844 (VS21) w/native program @ 3:35 & 3:50am. 11:30 AM - I didn't stay up past 2am so little DX. I had KCFJ-1230 L.A. w/ET - 3:50 s/off @ 3:54. Fair signal from VS21 again @ 4:03 - native program. KYAK-650 Anchorage o/KORL 4:09-4:18 w/c/w, PSA, & ID. No TPs noted (not even NK-655), possibly Aurora that AM. Tarawa-844 has EE from 7-7:45GMT according to WRTH, have been trying after KOA s/off @ 2am EST, but no luck. Would Tarawa accept a 3 3/4 ips tape?

TIM DAVISSON - 2891 Morewood Road - Apt. 203 - Akron, Ohio - 44313

Hello again. Today is Wed. 11/25 & DX NEWS is 1 1/2 weeks late again. I hope this doesn't mark the return to the problem of last Spring. DX? Yes! 11/15- WMPJ-1450 Daytona Beach @ 5:31am atop the channel most AN. Reported. 11/16- KXLR-1550 Ark. & WJRD-1150 Ala. both in briefly between 12:17 & 12:19am after local WCUE (my employer) went off. 11/24- WMMB-1240 Melbourne, Fla. @ 1:53 am, reported - MoR. Strong Auroral DX noted here for the past ten days. I hope this changes, even though I added two new Fla. goodies. Totals: 1,228/474. Rich Richman: As far as I know, the people at WHHH will verify only if you send PP/c, maybe not even then. I traveled to their "studios" last Summer to get my v/l, & believe me it was truly a weird experience. Welcome to Dave Schmidt, and good luck to Big Al! Hi. Anybody in the NASWC? I haven't gotten the Nov. bulletin yet & I just rejoined last Sept. And, the question of the hour "Where have all the f/cs gone?" Long time passing! Anybody want to correspond regularly, e change SCs (WIXY CKLW WCUE WHLO), OMs, tapespond, or just yak, do write soon! Merry Christmas & Happy Holidays to all. 73.

GARY ATKINS - 2200 West Burnett Avenue - Louisville, Kentucky - 40210

I have been active since September after an almost complete absence of six years. Log total is now 780 from 47 states, seven provinces, & 13 countries. My veri total of 209 will attest to the fact that I'm a lazy reporter. I usually just log 'em & move on. RX is a Hallicrafters SX-122A w/a 100' long-wire antenna about 25' high running SW/NE. The new RX has brought in 60 new stations since I purchased it on 9/28. Best of the new ones are: CJOE-1570 relogged @ 2:10 for frequency change (Aren't they still on 1290? -ERC) HJCE-890 @ 2:45 w/WLS off; WTRQ-1560 w/ET on 10/25 @ 12:30am, still no reply from taped report, my first & last to BCB stations. PJB-800 on car radio near Paris, Ky. & out of WAKY-790 range; WIBV-1260 w/lam s/off despite an always strong WFHM; WKEY-1340 w/ET @ 2:07; WJCM-1130 @ 11:30am a new daytimer since I was last active; KICX-1360 f/c @ 1:50 on 11/1. 11/2- WPLB-1380 w/r/c @ 12, veri in one week; WEVA-860 @ 12:50 w/r/c; WTAQ-1300 @ 2:05; KETA-1490 w/f/c @ 2:50. 11/7- KYAL-1600 @ 6:25pm prior to 8:30 s/off, a booming signal on car radio. 11/9- KHUB-1340 w/f/c @ 1:36; WSWN-900 f/c @ 1:53. 11/10- KGRV-1290 w/s/off @ 1:10. 11/14- WRNG-680 w/s/off @ 5:30pm; WGMS-710 s/off @ 5:31; (Aren't they on 570, fulltime? -ERC) KOLS-1570 s/off @ 6:15; KCTA-1030 s/off @ 6:45; YSS-655 @ 7:20, the first split frequency I've logged. 11/16- My best morning as a BCB DXer; WEHC-1270 w/TEST @ 12:30; WDEC-1290 w/test @ 12:50; HJ??-1025 Colombia, @ 3am; KORL-650 w/good mx @ 3:35; HJJM-660 @ 4 w/ID as R. Uno; HCL62-655 Ecuador @ 4:10, ID R. Carrousel; KCMC-740 @ 4:45; YVRQ between 910 & 920 @ 4:50, R. Aeropuerto. 11/18- WRGH-580 @ 6:30am, WMIK-560 @ 6:40; WIS-560 @ 6:41; WAGA-1130 @ 7:05; WILY-1210 @ 7:20am. 11/24- WQXL @ 2; WIXI-1280 @ 1pm u/usual WGBF, #53 from Ky. 11/26- WZZ-1050 prior to s/off @ 5:45pm, KGYN-1210 @ 6:05, WCAU normally dominant by this time. 11/27-- WGVN-1260 @ 5:25pm, WAMY-1580 @ 5:40.

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

Hi. This week I have a new 8' BCB loop & it's much better than my old 4' job. It gives me twick the gain & three times more on LW side! My loop can be tilted in at any angle. I sure wish I had the room for a beverage. Ron & I are having a small convention in Miami on 12/27 and anyone is welcome. It should be really fun. Has anyone ever logged our local WFAB-990 in Miami? I have never seen anyone ever list it. This is an SS AN w/an ID of WFAB, "La Fabulosa por su fabulosa", and EE ID every hour. Also WQBA-1140 ID in EE on the hour. Who is WARR-1520? Well, WCBS-880 is now a daytime station for me & WHYZ-1070 too. ZFBI-960 w/VOA program @ 2am 11/20 good, WYNK-1380 testing, I forget the date. Super Radio-760 in Guatemala City @ 8pm 11/22, R. Eco-780 in Guatemala City @ 8:10, YNRPS-1285 @ 9pm, HJDK-750 @ 2:30am, & who is the Colombia station on 1250 @ 3am w/a Ceracol Network? 73s.

RICK "MAX" BRIGGS - 4138 Kirk Road - Youngstown, Ohio - 44511

Greetings from Youngstown, Ohio; DX Capital of the World. I guess an into is customary from first-time Musers, so I'll give mine. I am 17 & have been DXing for about four years w/a Ross RE-2020 & a Zenith 8H20. I have been rather inactive since April to about a week ago but I am going strong now. 11/28, Jim Chrislip & I took a trip to the WHOT night site & converged upon the scene w/Wes Boyd & Dave "Al Knight" Schmidt (hi). About 2:15 George Greene & Tim Davisson stopped by so I met several local DXers. It turned out to be a rather interesting session, complete with the Uncola, hi. Latest DX: WTRC-1400 w/a/s/off @ 5:45pm. 11/23 brought CFRC-1470 in Winnipeg @ 5 01 w/an ID between breaths of NXmen on WPAR & WHOT. (CFRC is 1490, Kingston, Ont., no? -ERC) Just before leaving to go to WHOT we noted WTOC-1290 @ 9:10. While at WHOT newsman Art Jorden phoned us to tell us WKTIX was testing on 1500. Several moments after the final ID of WKTIX the radio at WHOT fizzled out & Dave Schmidt showed us some of his engineering skills (?) & got it back into working condition. SSS 11/28 brought WTLK-1570 & KCFR-1530 in a Ford at a Dodge Dealership repair house. Later at home w/my 8H20 WHOW-1520 w/a s/off @ 5:45. That evening I was going back over my SSS tape dug out KXKW-1520 w/an ID @ 6:05. SM 11/29 introduced WHHT-1440 w/a/son @ 7. That's about it for now, 72s. Rumor has it the 1972 Convention will be held in the DX Capital! (WELCOME to the NRC May! Do More Often!)

8
HAL ROBIE - 273 South Street - Medfield, Massachusetts - 02052
While twisting the dials on 11/25 I came upon a weird one. I thought they announce as 1620, but I guess it's 1610k. From where I sit ~~call~~ sounded like WKOB Radio, Falling Star Network. (What an odd place for your ears! - ERC) Comment included such phrases as "A revolution station", "Your liberation station" & "I am the radio general of this station." Clear reception only @ ID, 10:44pm s/off when I ran out of tape! As I was frantically searching for a new reel power was announced as 200w, & I thought location mentioned was Yonkers. (I even thought I heard an address given where more info on the station could be obtained!) I'm checking w/ERC on this. (No info here, Hal -ERC) On 11/26 they were taped from 8:35 to 12:05. WKOB led the air soon after 9pm & WFSR "Falling Star Radio" took over, "in search of truth, justice, & the American way." Location given as N.Y., frequency as 1610k. I hoped for s/off @ 12, but only announcement at that time was "Don't touch that dial." I did, but came back at 12:15 to hear a hymn, then silence, so I missed the s/off announcement. I just don't live right, hi! Everybody around here must be hearing this one, so I'm sure all available details will be coming out. WFSR has few IDs & comments & much non-stop mx of all types. CX still are spasmodic; openings every now & then. For a time R. Demerara, Guyana, was apparently drifting a little & causing hets around 763k. They were especially good on 11/15 after 5:30 w/IDs around 5:45pm. DX NEWS #71 dated 11/21 arrived 11/25. My house lot runs back onl 600' so I am afraid it is not enough for that fantastic beverage antenna. Everybody Muse for DX NEWS! 73.
01002

FRANKLIN H. SMITH Jr. - 423 Chadbourne - University of Mass. - Amherst, Mass./
I managed to get home for the Thanksgiving holiday, but wound up not spending much time at the dials. Anyway for what it's worth, here's what's new. PJB-800 @ 4:13pm, not new, but it was the first time I got a good ID. WAVZ-1300 New Haven @ 3:15pm, WEZE-1260 Boston @ 3:30, WARE-1250 Ware Mass. @ 3:50pm, all these, 11/27. WOSH-970 Portland Me. @ 12:25am, WCKY-1530 Cincinnati @ 1:05am. I also got an advertisement in the mail for a ferrite rod loop by Worcester Electronics Lab. I've been thinking it might be easier to skip lunches for a while & buy one of these, than try to get the free time to build my own. Does anyone have one of these & can he give me an opinion on how well it works? I forgot to say the model number is SM-1. Now I've got to wait for Christmas.

KEN LYON - 9415 Goodrich Road - Clarence Center, New York - 14032
DX this week: 11/25- KRLD-1080 heard @ 5:51pm w/NX commentary way of all like a local, no sign of WTIC. 11/27- WCRV-1580 heard @ 12:07-12:20am & on DX TEST, very weak u/CBJ. I don't think they got out too well. March mx, TT, NRC & IRCA mentioned. CKEC-1320 heard @ 8:20pm w/NX very loud w/WJAS. WGVA-1240 heard @ 8:28pm w/ID, not often heard because of WNIA. One verie in this week, WTON-1240 a nice v/1 & program sked for a f/c; heard before & reported before, but no answer till now. C U later.

KEN ROMSTADT - 2719 104th Street - Toledo, Ohio - 43611
Although I have been a member of the NRC for a while, this is my first Musing & I guess an intro is in order. I am 15 & go to St. Francis de Sales High School. I have been DXing for 1½ years & use a Highwave AM/FM 12 transistor RX which kills the locals very well. Now to DX. KQWB-1550 N.D. in w/rr, WDAY N. D. w/NX @ 5:30, WFRL-1570 Freeport, I L. s/off for my 600th logged. WKYB S.C. w/rr & then s/off, WCOV-1290 Wis. w/TT @ 1:15, WLBB Ga. w/talk show @ 5:20, WPRD-1350 Wis. s/off & WCRV-1580 N.J. w/TT & mx @ 12:24am. Thanks for the TEST, Dan! Anyone who wants to tapespond please send a CASSETTE tape to discuss DX & the like. I would also like to receive letters. 73s & PEACE. (Welcome to you, too, Ken, and we also hope you'll appear here in Musings regularly! -ERC)

BILL ALISAUSKAS Jr. - 305 Haledon Avenue - Haledon, New Jersey - 07508
Greetings, everyone! After a long absence, I'm back w/a little news - I was married 11/21 @ 11am. Lucky (?) girl is Jo-Ellen, many of you will recall her from the Convention. New address for all correspondence is above, but the DX NEWS will continue to go to my parents' house for a while.

Location-wise, we're 9/10ths of a mile from my parents', but the changes are unbelievable. I'm now below line of sight w/New York. At SSS, WANN-controls 1190, KYW is clear on 1060, WHLL has 1600 alone before their s/off, & there's many other things like a beautiful WSRF-1580 before power/pattern change @ 5:30. While I think of it, at that short a distance, I think I'll continue w/my old list of Heard stations, it's so close - any comments? Now to DX. 11/11- Good Auroral opening netted WGIG-1440 @ 5:28-m, then WOBS-1360 @ 5:30 s/off, & then R. Barbados-900 alone from 5:50-6:01pm w/a beautiful signal. Then at our new home, 11/28 WKIX-1350 @ 7:30pm for log on new call, also alone @ about 1:15 w/good signal as was WRNL-910. Well, I guess that's about all these is from her - log's now up to 1,006 heard. I'm trying for 2,000 at this new site, hi! Till next time, take care; any & all wishing to correspond please feel free to do so. Oh! I have a big load of SCs that are from various places & are all extras for me; anyone wishing all or some (specify hat stations) please contact me before I have to throw them out. Till next, take care, good DX, 73.

JOSEPH FELA Jr. - 150 Robert Place - South Plainfield, New Jersey - 07080
Recent veries are v/1s from WKYB-1000, WKOR-980 & WTOC-1290. Recent DX: 11/22- 4:31pm, WEEP-1080 for a report, much WKLO QRM but not much WTIC; 4:53 much-wanted WBRJ-910 nicely atop at times; 5pm, WMTN-1300; 5:11 WCAR-1130 o/ an easily-nulled WNEW; 5:13 WIMA-1150; 5:14 WAWK-1140 briefly; 5:23 WSWV-1570; 5:30 s/off WHEL-1570 in the clear. 11/25- 9:20pm, WMEG-920 generally atop, so reported. They I'ded as R. Melbourne - I hope that it isn't heard in Orygun (if it is, IRCA will get a report of a DU on 920, hi). 11/26- 1:33am, WMMT-1520 ET/TT; 1:35 WKIX-1350 for a call change; 1:36 WNEF-1290 AN w/a special holiday safety program; 4:30pm, WEWO-1080 tearing up WTIC; 4:55 WOND-1400 on top; 5:09 ZDK-1100 Antigua ET/rr & Soul; 5:30 WLBB-1100; 5:46 WBRC-960; WKOR-980 & WJRD-1150, all topping their respective channels. 11/27- 1:07am, WAPE-690 ncted u/CMBC; 1:10 KFI-640 S 3-5 but clear w/CMQ apparently off; 1:19 CFRB-1010 o/WINS for the first time in a while; 1:30 WKEN-570 doing all right (to S-7) w/a nulled WMCA; 2:10 WSAO-1550 r/c-DT. 11/29- 6:30am s/on WOME-900, 6:31 a W-call on 730, probably Maine but too much 730 QRM & WOR-710 doesn't help; 4:10pm, CHRS-1090 nice, WJAL nulled somewhat, but no 1090 spur here; 4:11 WKDR-1070 w/somewone w/a spot for Greenville on the channel; 5pm s/off's, WXGI-950 (atop "local" WPEN) & WANT-990. It's too bad CX are returning to normal now. I much prefer SSS DX w/Aurora, hi.

JIM JANKOWSKI - 11 Meadowbrook Terrace - Corfu, New York - 14036
Greetings! My last report was quite a while back, so I thought I'd enlighten the pages of DXM once again. (This is DX NEWS, Jim, please! -ERC) Dx has been mostly good, barring some Auroral disturbances. The WCRV TEST was heard at an excellent level, but there was some QRM from pest CBJ. It was a well-run TEST, & it really should have made it out. November DX: 11/5- WMMN-920 fair w/spot for WWVU-TV 5:18pm. 11/6- WMIP-1380 fair w/c/w 6:11am. 11/7- WSHN-1550 exceptional on r/c 1:16am; KGLC-910 very good on NS c/w 2:10am. They must beam it all up here. WVLK-590 good w/c/w @ 2:45; WMMN-920 fair w/c/w 3:08. 11/10 - WFRM-600 fair w/Back to the Bible 7:27am. 11/11- WTOB-1560 exceptional w/ET/TT 1:15am; WBRC-960 fair w/MoR 2:36am; WPPA-1360 very good w/NX @ 8:03am. 11/14- WMMB-1240 good w/MoR 5:18pm. 11/16- KRLD-1080 very good w/religion 12:54am, good considering 2.7kw ERP in this direction; WVOV-1000 good @ s/off 5:45pm. 11/17- WKAZ-950 good w/rr till fade-out 11:35pm. 11/19- WBSM-1420 good w/Night Owl Quiz mostly u/WHK 11:19pm. 11/22- WTOB-1380 very poor w/racetrack ad 8:10pm. 11/23- WCHB-1440 good @ s/off 3:27am; WLEE-1480 good w/interviews 4am; WJDY-1470 exceptional on r/c 5:01am. 11/25- WCGR-1550 good w/MoR 12:50pm. 11/26- WMMN-1360, a new local here w/good strength @ 9:44am; WXVA-1550 poor w/s/off 4:59pm. 11/27- WCRV-1580 TEST, see above. KEGO-1580 tentatively heard w/c/w & mail order promo 1:34am; WSAO-1550 good on r/c, 2:08. As you can see, I've put in a great deal of time this month. I hope to continue this throughout this month. I finally got a replacement NRC Log - it's great! I recently purchased a Realistic TRF, but I'm rather disappointed in it, in that it's performance is only slightly better than the GE P977B. WMMJ-1300 has changed to WKRL, RL standing for Ramblin' Lou, its owner. 73.

CARTER SCHOLZ - At Hyannis Get-Together

Dear friends, now you know why they say "Eat a fig, a grape, a crumpler too"! In the land of Dr. Pepper, egad! We were in fine on Thanksgiving weekend in Hyannis, the land of canewegs & rootebaga, mere hundreds of miles NE of the Federal Institute for the Criminally Insane in W. Freneau. Now to the nitty-gritty, lads, the real DX: WMID-1340 WFFY-1620 (w/pirates WFSR-1620 and WKOV-1610 operating in a network from Yonkers w/200w). Sic 'em! We stopped by Worcester Electronics on the (Glutz, C. D. Pall & myself) and spoke to Joe Worcester about his Phenomenal Space Magnet. (Put two together & have a Double-Space Magnet, hi). By the way, that was a fabulous article on the Space Magnet in this issue of DX NEWS. Say hello to new member Thumper Penis and give him a call at 201-566-0334. At the get-together we received a call from the ole ego-tripper himself, Ron "Florida" Schatz, nice hearing from him. We also made a call to the IRCA gathering at Grant Manning's pad. Heigh-de-ho, & ta ta lads. Pox nobiscum to all. * CALL COLLECT

TONY LAGATTUTA - Box 6291 - Portsmouth, Virginia - 23703

Greetings from one of America's greatest DX locations. Virginia's East Coast is the radio enthusiast's paradise - the DXer's Promised Land. As this is my first report to DX NEWS, a very brief intro would be good. I'm 29 years old & employed by General Electric's TV plant near Portsmouth. G.E. is the greatest company to work for. I was a member of NRC during the 50s but dropped out about ten years ago. I just started again w/one verie, hi! WZKY-1580, out of about seven good reports, only WZKY responded. N.Y.C. was my location during the 50s but I've been living in Virginia about ten years. I learned this summer that all the radio stores around Courtlandt Street, N.Y.C., were destroyed to make room for the new World Trade Center twin-110-story buildings. What a shame! My deepest appreciation goes to Relfe Luton & his family in Elizabeth City, N.C. Relfe is a great person & top DXer. I spent Thanksgiving Day w/ them. It was really great. My RX is a small eight tube home-made battery set in a wooden and cardboard box. Selectivity is great (ten tuned circuits at 262k in the IF section). but noise is high & RF amp. & mixer need improvement. Last word - very important. Do you know any DXer - any age - around Norfolk, Va.? Anyone - even if not at present an NRC member. Someone working at a BCB station may know, from reports sent in. Please let me know right away! Send me a letter - I'll pay the postage, hi! Best wishes till next report. (Welcome back into the NRC fold, Anthony! Please Muse often! -ERC)

T. D. BUCKLEY Jr. - 2831 Fairhaven Avenue - Apt. 101 - Alexandria, Virginia 22301

A startling event has taken place here. After more than two weeks without a verie, two finally showed up from WBAP-820 Fort Worth and WJJD-1160 Chicago (Two of my rarest catches, hi!) DX has been good here w/all of the following catches on SSS. 11/18- WCPC-940 Miss. @ 5:21pm EST, WFLI-1070 Tenn. @ 5:34pm. 11/19- WAPE-690 Fla. booming in w/rr @ 5:14pm. WMAZ-940 Ga. @ 5:21. 11/20- The Cowboy & Indian station of Vinton, Va. WKBA-1550 @ 5:01pm w/c/w mx. 11/27- Faint reception of WCRV-1580 TEST @ 12:25am. 11/280 WHK-1420 O. booming in w/rr & WX @ 11:40pm. 11/29- WKAZ-950 W. Va. @ 12:03 w/taill end of a WX forecast. WTAD-930 Ill. @ 12:11 s/off. MM 11/30- WOKY-920 Wis. coming in like a ton of bricks testing w/Mor & frequent IDs saying they're running 5kw. WWRL-1600 N.Y. in @ 4:23 w/rr. At 4:27 I had the volume turned all the way up looking for WFBL-1390 N.Y. when I'm blown out of the room by local WEAM's infamous 4:30 AXR test. The last catch of the night was WLOW-1300 Aiken, S.C. @ 4:48. That's about it for another DX report from the Fun capital of the world, Alexandria, Va. 73s & DX.

ANDREW F. RUGG - 45 Dunfield Avenue - Apt. 1008 - Toronto 295, Ontario

All I have to report is a verie from CHYR-710. I borrowed some good equipment in order to see if BCB DX were possible in this teeeel-frame high-rise location. It was a Collins R-308 & an Admiral Nelson Loop, both of which be long to Jim Warner. Unfortunately they could not overcome the HNL on the BCB at this den. The noise diminished on the higher frequencies & SWBC DX was fantastic But for the moment BCB DX here is no-go. 73. (Move, Andy, for heaven's sake!-ER

HQ TESTS THE "SPACE MAGNET" LOOP ANTENNA

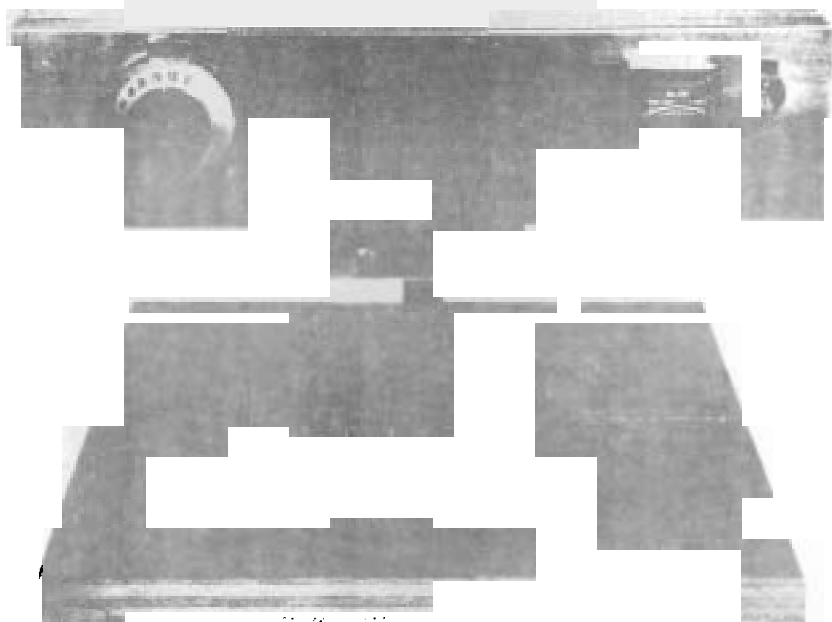
Many members of NRC and IRCA have recently received copies of the advertisement shown on the opposite page along with a note to the effect that "The attached is being sent to a few nearby DX'ers. I have made a couple of these for \$29.50 (plus postage) and while it has turned out to be a hard way to 'make a buck', I would like to build a few more in order to obtain some exposure for the device before constructional details appear in DX Monitor". To date there has been no mention in DXM of the upcoming availability of the plans and flyers have gone out to many (if not essentially all) of the membership for this commercial item (the name "Space Magnet" has been trade-marked by the manufacturer). We were able to obtain one of the fairly early versions and have been testing it extensively under actual DX'ing conditions in side-by-side comparison with the big NRC Altazimuth Loop (plans in Volume 37, Number 1 of DX NEWS); we've also determined some of the characteristics of the "Space Magnet" using laboratory test equipment.

Electrically the SM-1 consists of large ferrite rod, 12" long and 5/8" in diameter, wound with a multi-turn tank coil of rather heavy Litz wire and resonated with a miniature Japanese tuning capacitor. The output of the one-turn link coil is fed directly into the base of the first stage of a two transistor RF amplifier in ordinary common-emitter configuration (bipolar transistors and not FET's are used). The output of the amplifier is to be connected to the receiver with the short piece of miniature coaxial cable supplied. The aluminum box surrounding the ferrite and amplifier forms the "electrostatic shield" and, while not visible in the photograph, is open on the ends. Tuning is performed with a Micronta vernier dial (uncalibrated) and there is no provision for altazimuth operation, i.e., the entire box rotates but cannot be tilted. The amplifier is powered by a small 9 volt battery mounted outside and there is no provision for varying the gain or sensitivity of the amplifier.

After checking that the battery was good, we hooked it up and arranged so that we could rapidly switch from the big loop to the SM-1 for relative comparison. It being early evening, we set the receiver on 764 kHz and tuned in Dakar with the big loop; conditions were pretty good and we found an S8 carrier with fair audio and lots of WABC splash. Switching to the "Space Magnet" we were impressed to find almost an identical signal from Dakar - until we remembered that the big loop was still tuned to Dakar and the SM-1 was obviously just picking up the near field of the big loop! Upon detuning the big loop to eliminate the interaction, the signal dropped to about S3. On our equipment this corresponds to a drop in signal strength of about 25 db (exact figures appear later in this article) and this later proved to be typical of the relative pickup of the two loops. The tuning of the SM-1 appeared to be quite sharp but as we rotated the SM-1 to check on the null depth we discovered the first serious design flaw: the aluminum case is RF "hot" and touching the case to rotate the antenna, or even coming near with your hand, drops the signal pickup substantially. This is one symptom arising from the fact that the SM-1 is electrically imbalanced - a point we

SPACE MAGNET

MODEL SM-1



- GUARANTEED TO OUTPERFORM YOUR AIR LOOP OR MONEY REFUNDED
- 12 INCH FERRITE ROD ATTRACTS SIGNALS 400 TIMES BETTER THAN AIR
- CIRCUITRY COMPLETELY SHIELDED FROM ELECTROSTATIC NOISE
- TWO TRANSISTOR PRE-AMP
- 60 DB NULLING
- LOW IMPEDANCE OUTPUT CABLE CONNECTS TO ANT-GND TERMINALS OR WRAP ONE TURN AROUND YOUR LOOP OR CABINET

WORCESTER ELECTRONICS LABORATORY

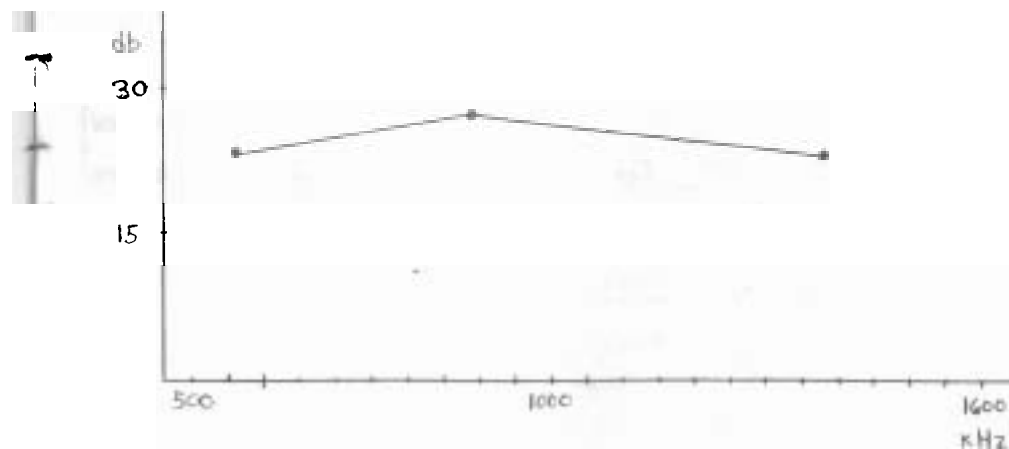
R. D. 1 — FRANKFORT, NEW YORK 13340

to which we shall return shortly in connection with null depth. Since the chassis is "hot", the antenna must be rotated by holding onto the insulated tuning knob; because of the sharp tuning of the vernier, this frequently necessitates retuning. This problem could be easily eliminated by attaching an insulated knob to the aluminum shield.

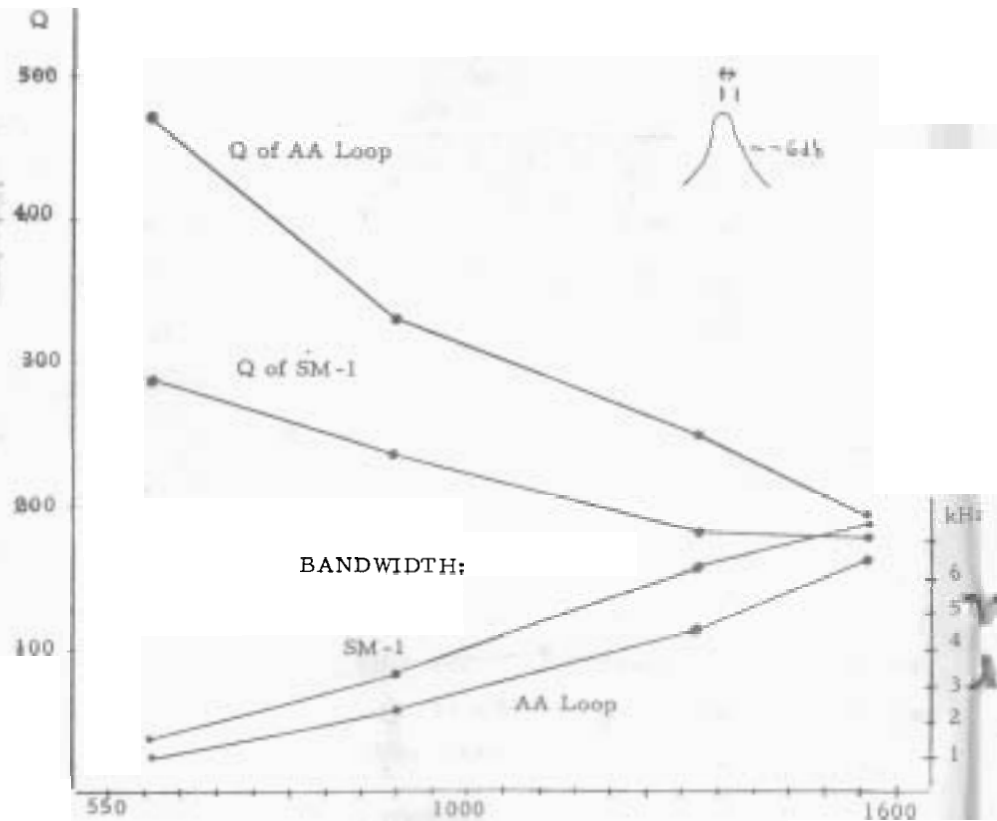
The 25 db drop in signal pickup with the SM-1 means that the big loop is delivering something over 100 times as much signal as the SM-1; not bad at all, we thought, since the physical diameter of the SM-1 tank coil was only 5/8". But as we swung the SM-1 around to null out Dakar we discovered a second design problem; Dakar's signal, only S3 to begin with was indeed totally nulled out - but instead of then hearing just background band noise, a very distinct "hiss" generated by the SM-1 amplifier was audible. Switching back to the big loop and nulling out Dakar yielded just background band noise with no trace of the noise generated by the twin loop FET's.

The reason for the apparent sensitivity of the SM-1 then became obvious; the gain of the two transistor amplifier is very high. But, since the noise generated by the transistors is also being amplified by the same amount as the loop signal, much of the apparent gain is "empty gain", that is, it's accompanied by a proportional increase in the amount of noise generated by the amplifier itself. In practice this means that weak signals just at the threshold of atmospheric noise are obscured by the noise generated by the SM-1 amplifier. This background amplifier hiss frequently impaired the audio quality of weak signals; signals buried in the noise generated by the SM-1 were frequently readable on the big loop. Whether this poor signal to noise ratio is common to all "Space Magnets" or is due to a noisy transistor in our particular unit is unknown.

Figure 1 shows the relative drop in signal strength upon switching from the big loop to the SM-1; measurements were made oscillographically using a precision Telonic RF attenuator checked against MIT calibration standards. Note that this is just the apparent difference in pickup, neglecting the critical noise factor.



The next quantity we measured was the tuning sharpness or Q of the antenna. Up to a point, the higher the Q the better; the high antenna selectivity helps greatly to reduce overload and spurious responses from powerful local signals. Too high a loop Q, however, is frequently undesirable because the "sharpness" of the tuning can actually cut sidebands on the desired signal and produce "muddy" audio. This is particularly damaging if you have gone to the time and trouble to get a flat IF passband with the use of mechanical filters. In the Altazimuth loop design the Q control permits the operator to "open up" the tuning characteristic to obtain better audio when he so desires; this is most important at the bottom of the band. In addition to the relative Q values, we have also plotted the 6 db bandwidth for that frequency and Q; as shown in the diagram this is how wide the loop passband is from center to a point 6 db down.



From the passband figure it is obvious that both antennas have high enough Q on the bottom of the band to cut sidebands by a significant amount; the lack of a Q control on the SM-1 is thus a real disadvantage.

The next measurements were for null depth. The unbalanced circuitry of the SM-1 results in pronounced null-blunting and skewing; see last week's issue of DX NEWS for more information on the cause and effects of null skewing. The measurements were made on our local Boston area stations at high noon; none of these stations is more distant than 14 miles; some, such as WCAS and WCOP are within a mile or two. For the Space Magnet we have given the depths of both nulls and the deviation of null azimuth from the ideal figure of 180°. The latter figures were made with the aid of 10" circular setting circle which we mounted on the base of the SM-1. The Altazimuth antenna was both rotated and tilted to obtain null; asymmetry figures for the Altazimuth loop are not given because the nulls are uniformly within 0.05° of true and within 1/2 db in depth. In the event that the signal was nulled down so far that only backscattered skywave was audible, we've given an indication of the minimum value of the null depth; with no carrier remaining this is a difficult measurement to make at best.

| STATION | SM-1 NULL DEPTHS | | NULL SKEW (degrees) | ALTAZIMUTH NULL DEPTH |
|---------|------------------|-------|---------------------|-----------------------|
| WEEI | 14 db | 7 db | 4 | greater than 80 db |
| WRKO | 15 db | 6 db | 5 | greater than 80 db |
| WCAS | 14 db | 29 db | 4 | greater than 70 db |
| WHDH | 8 db | 6 db | 3 | 26 db |
| WBZ | 24 db | 22 db | 2.5 | greater than 80 db |
| WILD | 26 db | 30 db | 5 | greater than 65 db |
| WCOP | 22 db | 18 db | 2 | greater than 80 db |
| WCRB | 23 db | 20 db | 1.5 | greater than 70 db |
| WHIL | 22 db | 17 db | 5 | 44 db |
| WMEX | 8 db | 13 db | 5 | greater than 80 db |
| WNTN | 11 db | 15 db | 5 | greater than 70 db |
| WUNR | 10 db | 14 db | 5 | greater than 65 db |

(concluded next week)

DX NEWTER

MUMBLINGS OF THE MEMBERS

Send all MOM's to Hefty Bloopers, Box 1122, Bedford Styvusent, N.Y.

Hans Mouthon, Mattachine, Arizona

This Organization is full of Communist Dupes. Look at what the listen to: Peking, Urumchi, Pyongyang, Vladivostock, Berkley and the like. No right minded AMERICAN would listen to (much less admit to listening to) such trash. I can't give you the full story in 15 lines, but if you want the full story of the RED infiltration into our hobby -- including key editorial positions -- send me a SASE. If you wish copies of other scandal reports (The true story of the lost convention, the true story of the lost constitution, and . . .) just ask for them.

[Good to hear from you Hans, but please double space in the future. Hefty.]

W. Rood, Univ. de Habana, Habana, Rep. de Cuba

As you can see, I am now with a new University, teachin/Spanish to Russian, Uzbek, Kirghiz, and Touvan advisors, and teaching Latvian, Lithuanian, Estonian, Armenian, and Ukranian to our glorious hosts. I am still hoping that a certain capitalistic, imperialist airline will refund the costs of my New Orleans to Miami airfare. I note that all the other passengers have also joyfully volunteered for service to the People's Republic. No veries have been received but I have now logged 471 Cubans including 209 previously unreported including the 2-watt "Voice of the Glorious Leningrad Submarine Brigade at . . . [Only the last word got censored this time from the people down there. Congratulations! Best wishes on logging the remaining Cubans. Hefty.]

Dan D Receiver, West Hyannisport, Mass.

New experiments in Lincoln and here have developed a method of utilizing a roach clip as a FET amplifier. I would like to say a few more words on the subject of . . .

[Censored again. You know better than that Dan. Hefty.]

Better watch out: When Hefty finds out what a Roach Clip is, he'll censor that also.

DOMESTIC DX DELIBERATIONS

CALIF 737.103 Interesting spur of XEGN Tijuana mixed with KWKW Los Angeles. Ranchero, spot for "Discos Calderon", spot for Safeway Stores" spot for "Reagan for Governor" promo of Los Angeles Sports Coverage. Quite dominant. (Lyn Gauser, South Cambridge, Mass.) (This was 0201-0213 9/31, ed.)

PENN 1210 WCAU Heard w/CBS and WCAU nx from 2000-2015 on my HQ-180 9/20. Imagine, an out of state station here in Manhattan. I even heard carriers on 1030 and 1070. Fantastic Cndx. (Wolfy, P.O.Box 1000000001 N.Y.C.)

XDIWBC

737 Spain. Sp mx and nx. Obviously Barcelona 0201 9/31. Matt Partin, Chief Justiceville, Ore. (I don't know Matt, Lyn Gauser DDXD report is in conflict.)

735 or 740 Mexico or Somewhere. Something strange in Spanish. unid 9/31. (I don't know Alice, conflicting reports here, keep listening.) (Where are you living now, Alice? Publ.)

737 Unid???? At first I thought that this was another routine LPRT Cuban, but mx was Mexican and ann. had definite South Central Tijuana accent. W. Rood, U. Habana, Cuba. 0200 9/31.

AWARDS PROGRAM

17

We are happy to announce the inauguration of a set of awards. These awards are intended to upgrade the meager DXing skills of our membership by giving them DXing goals. They are also intended to recognize outstanding feats of DXing (or p̄evarication) by issuance of Certificates of Supremacy in recognition of these feats.

Initially, two awards are available: Verified Several Continents, and Verified a Number of States. Initial awards will be granted for three continents (VSC) and for 20 states (VNS). Endorsements are available for each additional three continents or 500 states. One need not be a club member to win an award, but a \$2.00 non-member fee will be charged for each certificate or endorsement granted to a non-member.

In order to avoid the controversies which sometimes afflict other clubs over definitions of continents etc. the following rules apply:

1. Only stations verified since April 23rd 1902 may be counted.
2. A "state" consists of a political entity. e.g. Texas, Illinois, Labrador, Gambia, Los Angeles Metropolitan Water District.
3. A single political entity may be counted as separate states if a geographical separation (either by land or water) exists. e.g. East and West Pakistan, East and West Caroline Islands. There is no minimum separation required, but a water separation must be at least 12 inches deep at the time of the logging.
4. Historical political or geographic boundaries may also be used in determining the boundaries of a state. Thus England, Scotland and Wales are separate states.
5. A station need not be within the state for which it is being counted thereby allowing Washford-881 to be counted as Wales, etc.
6. A continent is a piece of land which is surrounded by water. Examples are Eurasia, North America, Australia, Catalina, and Manhattan.
7. A \$1.00 fee will be charged for each application processed. The fee must be submitted in cash.
8. Each application must be submitted on an Award's Application Form with 13 carbon copies. In order to protect against fraud, AAPs which contain erasures, strikeovers or which are not perfectly legible will be disqualified.
9. Award Application Forms are available from the awards committee for a nominal 25¢ per sheet.
10. Awards committee funds are not accountable. All dealings will be in cash. Application fees and non-member fees are not refundable.

CONVENTION REPORT - LAST MINUTE FLASH

Various problems continue to plague us from the last convention. As Hefty Bloopers points out in the editorial (censored), swimming pools are to be filled with beer and not lamps. According to local wire services, a well-known bookie driving a Volkswagen was decapitated by a water bomb thrown from the 80th floor of the Motel. Numerous non-gambling DXers attended the funeral services. Rabbi Jack set a new record of chug-a-lugging four cans of beer during his benediction (an increase of two from last year). Dan D. Receiver finally found a bootlegger thanks to W.Rood's linguistic services in Chinatown. The four tongs are dropping all charges of espionage against Mr. Rood caused by his ordering "East Is Red" beer as advertised on 1040. Francis X Bushman visited the convention searching for Mr. Rood, whose new Southern accent proved to be a perfect disguise. Good to see him back from a spectacular DX season in Havana.

SPECIAL -- 14,000 extra copies of the Shawn Rats deadly accurate Guatemalan station list are available from headquarters. Better hurry, these are all that remain from our initial printing of 14003.



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

REPORTEDLY IN OPERATION...

ST. KITTS. A last-minute phone call from Alan Merriman advises that he has just logged ZIZ on 585 kHz; presumably a move from their regular of 570 kHz. He heard them from 0140 to s/off at 0301 with typical ZIZ programming: calypso mx, requests and dedications, and BBC news relays. The is exactly the programming we logged two years ago when we heard them on 570 up here in Boston; this one may be difficult to understand at times because of the thick local accent. This is a new country for almost - go get them before they move again!

SOUTH YEMEN. Noted in Sweden running NSP during Ramadan on 755. (ARC)

According to EBU, this one is now running 100 kw; this 1133 has run high power in the past at times but has been down to something like 10 kw during the last couple of years now. (Editor)

Petropavlovsk is reportedly operating on 1178 and has been heard in this channel in Finland. (Editor)

The 1250 outlet, supposedly operating with 1 megawatt, has recently been heard in Scandinavia with greatly improved signals during Ramadan which may indicate they were not initially operating with full power.

Peking has recently been logged on 795 kHz in Europe. (EBU)

KENYA. Kisumu, 5 kw, being heard in Southern Europe during the darkness hours; frequency is actually 952.928. (EBU)

PERU. OBX4E, Radio Inca, noted off-frequency in Scandinavia on 1471. (ARC)

PROJECTED OPERATIONS...

CONGO (KINSHASA). According to a recent broadcast from Kinshasa a new 600 kw MW station was to have been inaugurated by President Mobutu. Frequency unknown but it may be one other than the present low-powered channels of 836 and 1448. Watch for this one around sunset even during auroral conditions as this is a very low latitude path. (Editor)

ISRAEL. According to an item in the Daily Telegraph, the Israeli government is going to install two 650 kw MW transmitters in Jerusalem at the end of this year or the beginning of the next. (SCDX)

According to a broadcast from Dacca, work has begun on the new megawatt Dacca station. (Editor)



Monitor's Log
Bob Foxworth, GPO Box 2111
New York, N.Y. 10001

- 540 Colombia. R. Horizonte s/on daily before 0900. (Cooper, NY)
- ★ 560 Guyana. BBS at s/on 0843 MMs, has real "folksy" pgm, dedications "to Mary, from Mommy and Daddy" etc. and oodles of local commercials. Has anyone verified them? (Cooper, NY)
- ★ 570 Venezuela R. Rumbos, Caracas s/on MMs at 0855, kills WKBN. (Cooper, NY)
- ★ 570 Dom. Rep. R. Cristal, Santo Domingo s/on 0916 with very pretty nine-note IS, s/on w/Dominican NA at 0931, fades up and down with Rumbos from then on. (Cooper, NY)
- 580 Jamaica. RJR has RS s/on at 0944 but they put TT on around 0810. (Cooper)
- 580 Puerto Rico. WKAQ is AN MM, probably NSP; all-news after 0900
- 580 Venezuela. La Voz de la Fe, Maracaibo, s/on MMs @ 0937 with Venez. NA; is under WKAQ and TT from Jamaica. (Cooper, NY)
- 580 Cuba. Probably the one on low side here, 579.2 is CMKB Baracoa; gave WKAQ fits with het 0200 11/28. (Edmunds, NJ) (yes. -ed)
- 610 Colombia. Emisora Nueva Granada seems to be AN RCN here u/WIP. (Cooper)
- 640 Guatemala. TGV finally pulled out from under Cuban 0451 11/28. Much talk by man under Cuba's SS rock (Edmunds, NJ)
- 655 Ecuador. Radio Carrousel is AN MMs, logged s-4 MM 11/16
- 660 Mexico. Radio Juventud ID hrd clearly between Eng rock mx sel'ns 0645-0703 MM 11/23. Easily atop the freq for armchair copy. "Radio Juventud... para la juventud." (Hoffmann, Ind.)
- 664 Guatemala. Radio Fabulosa noted here evenings 11/15 and 16; good signals with MCR mx and SS IDs as "la Fabulosa". (Kenney, Cal.)
- @ La Fabulosa here 0305-0410 11/23 with some sporting event, seemed to be relaying a R. Rebelde pgm as hrd that slogan several times during the event. Return to Fabulosa pgmg 0410, with another ID giving freq as 670 and then mx. Hrd similar pgmg 11/24, too. (Hoffmann, Ind.)
- 730 unID SS. On by 0919 dominating channel, but very few anmts; all 'tropical' mx, as someone termed it. (Cooper) (That is the accepted definition, no?)
- 740 Venezuela. Radio Maracaibo s/on SMs around 0955, easily atop the Cuban. (Cooper, Brooklyn, NY)
- 750 Colombia. HJDK good signal with AN Caracol pgm 0638, WSB silent. (Hoffmann)
- 780 Venezuela. YVOD Ecos del Torbe, San Cristobal very good signal 0836 11/16 with clear ID. (Hoffmann, Ind.)
- 791 unID. Strong het and SS audio here, loops 180°, too weak for Cuba so presume it is an HJ--. Perhaps Shannon's unID. 0445 11/28 (Edmunds, NJ)
- 830 Haiti. 4VEC is on by 0900 MMs, atop WCCO easily here. (Cooper, NY)
- 850 Hawaii. KHL0, Hilo finally logged MM 10/28 with fairly quiet mx. Fair signal. Ment a 24-hour sked, but not clear if they are on MM after 1000 GMT or not. (Kenney, Santa Monica, Cal.)
- 850 Mexico (?). Univ. of Sonora XEUS seems the most likely source of Eng. lessons (0050) and German lessons (0100) on 11/15. Had KOA looped, lots of QRM from other SSers. (Kenney, Cal.)
- 860 Honduras. Radio Centro HRU Tegucigalpa, s/on at 1100 11/17 with slogan, AM and SW freqs (Millar, Wash. state)
- ★ 860 Dom. Rep. Radio Clarin, HILR was AN SM 11/22 and Thurs. AM, 11/26, and may be AN till Christmas now, and has a tremendous signal here. (Cooper)
- 890 Dominican Rep. Radio Continente, Sto. Dgo., HIPJ s/on MMs at 0958 under WLS. (Cooper, NY)
- 890 Fiji Islands. Noted s/off 11/21 at 1200 listing 5 ECB freqs with locations as well as SW freqs. Could not make out location of 890 station for sure. Incidentally, this brings to mind the question of the Pacific Area Log (PAL) the date of the one I have is Oct., 1966. This log has been available in the past. Any info? (Millar) (Not a word here, boy.)

913 Venezuela. Aerpuerto here, exclnt copy with frequent IDs by girl between mx selns. 0545-0600 11/13 (Hoffmann, Ind.)

970 Mexico. XEDF noted on top MM 11/16 to 0758 s/off. (Cooper, NY)(also: 970 Venezuela. Radio Central, Caracas s/on MMs @ 0855 topping WWSW 11/16. 990 Colombia. HJDB Medellin fair 11/16 with RCN ID. (Hoffmann, Ind.) 995 Ecuador. HCEWE2 Radio Suceso ID 0759 11/16, rather weak (Hoffmann)

★ 999a Cuba. This one is now on 1000 plus/minus 100 Hz. Noted both day and night, hetros WJTS Jupiter, Fla. daytime. Also noted by Conrad, Inc., Beverace City, Fla. (Fox, Palm Beach, Fla) (Hi -ed.)

★ 1034 unID. a TA carrier here appx 0300 11/3 Several other carriers noted that evening - nothing from Europe since. (Kenney, Cal.)

1080 Cuba. Radio Caribe here, but dunno if CMHS hrd on 1078 last season, or CMBN listed 1078 in RFS list. Not // to whatever Cuban is currently on 1078 as both were hrd 0340-0420 11/28 without definite ID from either; no net ID ever on the 1078 one. (Edmunds, NJ)

1180 Mexico. XEFR noted AN SMS when WHAM is silent, rptd. (Cooper, NY)

★ 1200 unID. There IS something here that sounds a lot like Holiday Inn. Noted from time to time MM 11/16 fading in and out with CMKD, soft mx, female ancr, nx in American accent 0900. Covered by YVOZ 0945. I believe this is WOAI, but surely not with 50 kw as CMKD frequently covers them. Will send inquiry to the stn, but suppose all I will get back is a QSL card. (Kenney, Cal.) (address letter to the PD -ed.)

★ 1215 unID. Carrier and some weak audio 0500 11/3, DF right for Peru, Colombia, ecuador, etc. (Kenney, Cal.)

1270 Hawaii. KNDI poor 0915 11/23 over CHWK-OC (CHAT off) with Rock of Ages and other relig mx, faded by 0925 u/SS rocker who may have said "Sonora" so maybe XENY? (Oldfield, Alta.)

1380 Mexico. XECO "Radio Eco" is in the clear here MMs and has verifeid with pix card. (Cooper, NY)

1420 Hawaii. KCCN 0855-0905 11/23 fair with "all Hawaiian music" and "at 1420, KCCN Community Service comes first." I noted with interest the 2AP and KCCN time difference in only one day and 2AP was the only Pacific station in on 11/22 besides KTOH. (Oldfield, Alta.)

1420 Western Samoa. 2AP 0640-0720 11/22 atop the freq much too early with Eng. rock and Polynesian songs. Man and woman ancr. The strong signal at such an hour has to be a miracle for me. That was 8.40pm in Hawaii and probably not even local sunset in Apia. They were heard on a Trio 9R59D at friend David L.'s place (ex-IRCA). From 0640 - that is 0140 EST - to 0658 they came in inverly loud spurts of 45 seconds, with deep fades, then absolutely took over 1420, knocking out KUJ and CJVR (who beam N and NE). Dave is using only a temporary longwire 20 feet high, and has no loop. Utterly inexplicable. Makes me think of former NRCer Leo Fox's fabulous Yukon cx. In winter he could get Greenland, USAers, USSR, Hawaii at many times when the sun was still above the horizon. (Oldfield, Alta.) (Incidentally, I for one, sure do miss Leo's colorful reports about "curling" in Inuvik, DX, etc. Does anyone know if he is still DXing, and if so, might rejoin NRC? -ed.)

1470 Mexico XESM, Radio Fiesta dominating the channel on the auroral MM of 11/16 with "Radio Fiesta" ID 0717 and ranhero mx. (Hoffmann)

1500 Mexico XERH, Radio Tricolor is AN MMs, but how do you verify this bird? (Cooper, NY)

1550 Australia/ USSR Far East. Noted weak 4QD with ABC news 0900 11/16 about even with a TT assumed to be Khabarovsk. (Kenney, Cal.)

1560 Mexico. Radio V.I.P., XEVIP 11/18 0530 to s/off 0600, all Eng. Many promos for "stereo VIP" 104.9 and the American Club. Great signal. Are they still only 500 watts as per their s/off? (Leamy, Ohio) (I don't know, but have no reason to doubt it...if they mean what they say, hi. I wonder if they verify? -ed.)

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Had to hold some material over, as pressed for time. Not too much. See you next week.

Verification Section

535 Grenada. Oversize QSL de WIBS, Broadcasting House, St. Georges. Says that St. Lucia is on 1575 with 250 watts and not on 1565 as in WRTVH'70. Also lists Carriacou and Chateaubelair as 25, and not 100 watts. (DeLeure)

560 Jamaica. QSL from JBC for Kingston; Naggo Head. V/s is Jack Hollingworth.

629 Austria A very specific letter for Aldrans II from Oesterreichisher Rundfunk GmbH, Studio Tirol, 6010 Innsbruck, Neues Landhaus, Postfach 205. Signer is illegible (DeLeurere)

640 Guadeloupe. A very nice letter from R. Carrie for ORTF Guadeloupe. Addr. is Office de Radiodifusion-Télévision Française, B.P. 402, 971-Pointe-a-Pitre. (DeLeurere)

670 Venezuela Three different QSL cards for YVLL, Radio Rumbos, La Emisora de Venezuela, Caracas, D.F. (DeLeurere)

695 Dominica. A verie card received from WIBS; reported 2/19/67 so only took a bit less than 4 years. Standard card from Grenada HQ for report that was sent to Dominica. Unreadable signer, looks like "Ken H."??(Leamy, Ohio)

780 Br. V.Is. QSL card signed by Leopold N. Mills, Mgr. for ZBVI. (DeLeurere)

860 Dom. Rep. HILR, Radio Clarín, Sto. Dgo.; very nice letter from Dr. Rafael Cesar Hoepelman, Encargado Dpto. de Prensa. (Press Representative?-ed.) Sent a beautiful red, white and blue pennant, too. Address on letterhead is just Difusora Hemisferio, S.A. This for a report and tape of May 4, 1969 when stn was just newly on air. Verie obtained by personal visit by NRCer Cesar Objio. No. 6 from D.R and mil gracias, Cesar! (Starr, Oh)

885 Montserrat. Form letter signed by R. W. White, Stn. Mgr. (DeLeurere)

900 Barbados An aerogramme from M. Lang, Chief Engineer, for Radio Barbados P.O. Box 780, Bridgetown. Mr. Lang stated that Radio Barbados changed to 900 kc on April 19, 1970. (DeLeurere) (Ed. Note - while here, I want to mention that, a couple weeks ago, I ran a heard item from JKC on this station, and inadvertently slotted it under 780; GPN caught the error & changed it. The fault for misidentifying the freq was mine and not Jerry's)

975 Costa Rica. TIRS, "Atenea". A form verie with same wording, but fancier print and letterhead as I reported in the 7/4/70 IDX. Also, another mini-pennant was received. (Kamp, Cal.)

1020 Venezuela. A letter and decal from Ezequiel Bellroin, Director for YVRS, Radio Margarita, Calle Matasiete 19, Apto. de Correos 145, La Asuncion, Estado Nueva Esparta. (DeLeurere)

1025 Costa Rica. Radio Fides. As was promised earlier in a v/1, two nice, small red, blue and white pennants have now been received from Phro. Gonzalo Jiménez A., Director. (Wood, from Hawaii DXing)

1035 Haiti. QSL and literature from Oriental Missionary Society, Boite postale 1, Cap Haitien. Mrs. Kent Ragsdale, QSL Secretary, signer. (DeLeurere)

1070 Venezuela Very heartwarming letter from Em. Vargas, YVKW, Edif. Marquez y Anez, Av. Soubllette, La Guaira. Will begin using 10 kw in future. My 2000th verie. Federico Ruiz, signer. (DeLeurere)

1230 Argentina. LT2, Radio Splendid, Rosario. Attractive but vague v/q and an attractive blue, black, red and white pennant from Henry A. Melano, Secretario General. This again is a follow-up to a v/1 earlier received. (Wood, Hawaii DXing) (DeLeurere, 1310 item)

1310 Martinique. Letter in French from G. Gianti, B.P. 662, 972-Fort-de-France.

1560 Mexico. Letter and card from XEDD for IRCA-test. (Copeland, NY) (I read about your bankruptcy in the papers, Dave, hi -ed.)

1562 Switzerland. Letter and SW pgng info from Radio Basel, NovarastraBe 2, 4000 Basel. (DeLeurere, hereabouts - where do you DX from, Harley? -ed.)

* * * * *

"LA VOZ DE LAS FUERZAS ARMADAS"

By César Obfjo

With the purpose of providing a cultural and educational radio station to the Dominican people "La Voz de las Fuerzas Armadas" was created, to be operated and maintained within the Army budget, as a way of refunding the people part of the money appropriated for military purposes, returned in an easy and pleasant way to increase their general knowledges by listening. No connection or relation exists between this and the former 860 kcs. outlet formerly operated by Radio Televisión Dominicana as a Cultural Service, --despite similarity in name and programming-- which became Radio Clarín some time ago.

On October 3rd. 1969, the station started tests operation several hours a day till about 7 p.m., local time, with a 5 kW. Contel transmitter and a 240 feet tower antenna on 1600 kcs. Later on a SW 3 kW. Contel transmitter was added on 4825 kcs., 60 meter band, (this one with a 100 feet high tower antenna). This equipment was located in one room of the Armed Forces Secretary building at Calle César Nicolás Penson, a place which was a personal residence of former Dominican dictator, Rafael Trujillo, and in the back of the place where the National Library building is being erected. Director of the station was Miguel A. Cintrón Romero, Commodore, who dedicated all his work and enthusiasm to the station operation. On February 23rd test time was increased till 9 p. m. when it started been heard abroad and reported on the frequency of 1597 kcs., drifting from assigned 1600.

By order of Dr. Joaquín Balaguer, President of the Republic, the Armed Forces Secretary was moved in August to the National Palace in order to provide wider space for the Library, and the station had also to be moved to a new place, but not exactly to the National Palace, but to another one. Studios went to the Army General Intendencia at Calle Pedro Livio Cedeño corner Ramón Cáceres, on the northern side of the capital; transmitters and antennas were removed to the outskirts of the city, on the highway leading to Santiago. Studios and transmitters are linked through F. M. on 165.6 mcs. Antenna height is 290 feet. New operations started again on August 8 after only 24 hours off the air, as moving was all done in one single day.

Still on the testing stages the station is being prepared to be one of the best equipped in the country. On October 14 an F.M. relay on 102.7 (70 feet tower antenna) started operation at Alto Bandera, a place high up on the mountains, about more than 7.500 feet above sea level and some 50 miles (in a straight line) to the north-west of Santo Domingo. From here a directional antenna is beamed to Moca, some 40 miles north, where another relay in MW have been installed in order to cover the northern part of the country, this one is a 5 kW. transmitter operating on 1330 kcs. since October 15, antenna height is 290 feet. A 1 kW stereo transmitter is also being planned for high fidelity reception in the Santo Domingo area on 107.1 mcs. antenna tower is already erected 140 feet high. A mobile transmitter will be used on 173.2 mcs. for special events. Present schedule is now from 7 a.m. to midnight, local time, with pop, orchestral and

semi-classical music, to be fully organized when innauguration takes place, a date which has not yet been set.

New director since August 21st is Commodore Francisco Antonio Amiama Castillo, succeeding Cintrón Romero, who was appointed to a new office abroad. He states that the station, when completed, will only be dedicated to educational, artistic, cultural, entertaining and informative programmes. No advertising or political programmes will ever be broadcasted by the station.

Hundreds of reports have been received from Europe, mainly from Sweden, Finland, Denmark, etc. through the short waves outlet on 4825 kcs. Medium Waves reports have also been received from the United States. All correct reports are being verified by mail with a beautiful blue and yellow QSL card depicting the island of Santo Domingo and Haiti with places marked with the transmitters location and frequencies used. There is also a blue, white and red pennant (the colors of the national flag) with a circle on the left divided in four parts, each with a drawing of the Army, Air Force, Navy and a war tank, all meaning the unity of the Armed Forces. The name of the station in yellow runs from left to right, with a microphone in the middle. On the air listeners are mentioned in the programme "Gracias, amigos" (Thank you, friends) aired at 8 p.m., local time, specially dedicated to all reporters. This programme was stopped because of the reorganization due to the moving, but will again be presented soon. Captain Carlos José Martínez Sánchez, Armed Forces Secretary Assistant, is also giving all his help as a secretary of the station director, in order to have the station present the best on entertainment to everybody.

Reports must be addressed to "La Voz de las Fuerzas Armadas" HIFA, Secretaría de las Fuerzas Armadas, Santo Domingo, Dominican Republic. Apartado 1350 can also be used as an address as it is the Armed Forces post office box, but a new one will be obtained for the station. No IRCs or mint stamps are necessary for a reply.



Frequency and Callsign Allocations in South America

Ronald F. Schatz

Just as American stations have callsigns indicating their locations either east or west of the Mississippi River (W or E), so most South American nations assign calls to their respective stations according to their specific locations within their countries. Likewise, as North American stations are assigned to operate on either clear, regional or local channels, so are most stations in South America in various ways. With reference to the accompanying map we will see how international treaties and internal policies determine frequency and callsign assignments for the individual South American nations:

Argentina

Argentina has joined Bolivia, Brasil, Chile, Paraguay and Uruguay in a NARBA-like treaty. Bolivia later succeeded from the association. This "ABC" treaty is years older than NARBA.

"Clear" channels, protected by neighbouring countries, include 710, 750, 790, 830, 870, 910, 950, 990, 1070, 1150, 1190, 1230, and 1310 kHz.

Note the map: Stations of the government's "Radio Nacional de Argentina", regardless of location, hold the calls LRA. Except in the Capital, the LRA is suffixed by a numeral. Private stations suffix a numeral to the appropriate prefix on the map (LR and LS in the Capital). E.g., a call such as LU27 indicates that the station is located in one of the southern provinces.

Bolivia and Paraguay

The clear channel for Bolivia is 1020 kHz; for Paraguay - 920 kHz. Each station affixes a sequential numeral to the appropriate prefix on the map.

Brasil

Brasil's clear channels include 600, 700, 740, 800, 860, 880, 940, 980, 1000, 1040, 1100, 1180, 1220, and 1280 kHz. There are also "graveyard" frequencies: 1460 kHz and all the 1500's.

The older call assignments of the single-digit type (PRG2, ZYD8) have no special meaning, except that the ZY's tend to be newer stations. The latest assignments indicate the Brazilian State within which the station operates. These calls end in a 2 or 3-digit number. E.g., ZYU42 would be found in Rio Grande do Sul. ZYZ212 is in the State of Guanabara (Rio de Janeiro).

Chile

Clear channels for Chile are 570, 660, 760, 1060, 1180, and 1380 kHz.

The regional prefix on the map is followed by the frequency of the station in 10-kHz, such as CB106 - 1060 kHz - Santiago. In several stations are assigned the same region and frequency a final letter is added in sequence: On 1520 kHz, CD152, CD152A, CD152B, etc. The same system is used on short wave with the prefix CE-.

Colombia

In Colombia, the frequencies 1000 kHz and below are "international" channels assigned one station each. They are divided regionally as follows:

For Bogotá: 540, 570, 610 ... every fourth channel ... 970 kHz.
 For Medellín and Manizales: 550 ... every 4th channel ... 990 kHz.
 For Cali & vicinity: 580 ... every 4th channel ... 980 kHz.
 For Barranquilla, etc: 560 ... every 4th channel ... 1000 kHz.

The higher frequencies, 1010 - 1600 kHz, are allocated with three-channel spacings (thus three frequency groups) to the individual Departments, Intendencias and Comisaries:

1010, 1040 ... 1580 kHz: Cundinamarca (Bogotá), Atlántico, Nariño, Córdoba, Cauca, Magdalena, Norte de Santander, Sucre,

1020, 1050 ... 1590 kHz: Antioquia (Medellín), Valle del Cauca (Cali), Boyacá, Tolima, Huila, César, Meta, Chocó, La Guajira, Caqueta, Cundinamarca (rural).

1030, 1060 ... 1600 kHz: Santander, Bolívar, Caldas, Risaralda, El Quindío,

The system seems to have been dropped, but the third letter of the callsign generally indicates its regional location:

HJA. Atlántico; Bolívar, Córdoba, Sucre.
 HJB. Magdalena, Norte de Santander, César, La Guajira.
 HJC. Cundinamarca (Bogotá).
 HJD. Antioquia (Medellín), Chocó.
 HJE. Valle del Cauca (Cali), Cauca.
 HJF. Tolima, Caldas, Risaralda, Huila, El Quindío.
 HJG. Boyacá, Santander, Arauca.
 HJH. Nariño, Putumayo.
 HJI. Meta, Caquetá.
 HJK. Cundinamarca (Bogotá).

Ecuador

The final number in the callsign is a regional indicator:

HC..1 Pichincha (Quito), Imbabura, Carchi.
 HC..2 Guayas (Guayaquil).
 HC..3 Loja, El Oro.
 HC..4 Manabí, Esmeraldas. (Pacific coast).
 HC..5 Chimborazo, Azuay, Cañar.
 HC..6 Los Rios, Tungurahua, Cotopaxi, Bolívar.
 HC..7 Napo-Pastaza.

Perú

The first three letters of the Peruvian callsign, assigned in sequential order, are OAX, OBX, OCX, OAZ, OBZ, or OCZ. This is followed by a number indicating the station's regional location:

| | |
|--|-------------------------------|
| O..1. Piura, Lambayeque, Tumbes. | O..7. Puno, Cuzco, M. de Dios |
| O..2. Cajamarca, La Libertad. | O..8. Loreto. |
| O..3. Ancash, Huánuco. | O..9. San Martín, Amazonas. |
| O..4. Lima, Junín, El Callao, Pasco. | |
| O..5. Ayacucho, Huancavelica, Ica, Apurímac. | |
| O..6. Arequipa, Tacna, Moquegua. | |

Uruguay

Clear channels for Uruguay include 610, 650, 770, 810, 850, 1050, and 1290 kHz.

Callsigns in Montevideo fall with their respective frequencies in an orderly sequence: CX2 - 570 kHz, CX4 - 610 kHz CX50 - 1530 kHz, CX52 - 1570 kHz.

Outside the Capital there are several systems: CW plus an odd number is the general rule, but there is a CX33, CW54 and CW56. Newer stations carry Chile-type calls based on frequency. These begin with CV or CX. E.g., 1560 kHz carries three stations: CW51, CV156 and CX156.

Venezuela

Just as in Colombia, the frequencies 1000 kHz and below are "international" channels, and they are 4-channel spaced within a given region:

| | |
|------------------------|-------------------------------|
| 540, 580 ... 980 kHz. | Maracaibo, western Venezuela. |
| 550, 590 ... 990 kHz. | Caracas. |
| 560, 600 ... 1000 kHz. | Eastern Venezuela. |
| 570, 610 ... 970 kHz. | Valencia, Maracay. |

The higher frequencies show no apparent pattern, except for a 50-kHz separation between stations in Caracas. The Venezuelan broadcast band ends at 1450 kHz!

The third letter in the Venezuelan callsign tends to serve as a regional indicator, as is the case in Colombia:

| | |
|------|-------------------------------------|
| YVK. | Distrito Federal (Caracas). |
| YVL. | Miranda, Carabobo, Aragua, Guárico. |
| YVM. | Zulia, Lara, Falcón. |
| YVN. | " " " |
| YVO. | Táchira, Trujillo, Mérida. |
| YVQ. | Sucre, Anzoátegui, Bolívar. |
| YVR. | Monagas. |

-30-



The following appeared in **QST** magazine, November 1958, page 15, and is in most cases still usable today, although we can make no guarantee that these maps are still available from the sources indicated:

"If you are looking for great circle maps, here's the information we have available. From the U.S. Department of Commerce, Coast and Geodetic Survey, you can get:

- a) No. 3042, an azimuthal equidistant projection centered on New York City. It is printed on heavy chart paper in four colors. Concentric circles overprinted in red show the 1000-mile distances. The overall size is 36 x 43 inches and it is priced at 40¢. (Editor's note: Today, 11 years after this information originally appeared, the map still sells for the same 40¢.)
- b) Chart ZD-10 is much the same, except that it is centered on 40° north latitude and 100° west longitude (northwestern Kansas). It is 35 x 39 inches and priced at 25¢.
- c) A series of world charts 31 x 41 inches in size, priced at 25¢ each, and centered on Thule, Greenland; Fairbanks, Alaska; Point Barrow, Alaska; Kings Bay, Spitzbergen; Tokyo, Japan; Fridtjof Nansen Land; Southampton Island, Canada; Aklavik, N.W.T., Canada.

(Chart 3042, New York, is a "shelf item" at the C.G.S. offices in Room 1417, 90 Church Street, New York, N.Y. 10007. Availability of the other items in (b) and (c) is not known.)

The following world charts are available from the U.S. Navy Hydrographic Office through the Government Printing Office. These are all approximately 25 x 28 inches, priced as noted: (as of 1958, of course)

- a) No. 5199 - centered on Washington, D.C. 30¢
- b) No. 5199a " " San Francisco 30¢
- c) No. 6700 " " Fairbanks, Alaska 40¢
- d) No. 6701 " " Seattle, Wash. 40¢
- e) No. 6702 " " Honolulu 40¢
- f) No. 6703 " " Guam, Mariana I. 40¢
- g) No. 6706 " " Moscow 40¢
- h) No. 6707 " " Adak, Alaska 40¢
- i) No. 6708 " " Kodiak, Alaska 70¢
- j) No. 6709 " " Eniwetok, Marshall 70¢

Maps of this sort may also be located through your libraries, in geography texts or through acquaintances who are radio amateurs.

U.S., Russia in Radio 'Jamming' War

BY MARILYN BERGER

© 1970, The Los Angeles Times-Washington Post News Service

Washington — The Voice of America has resumed prime time broadcasting on Radio Moscow's assigned long-wave frequency in a renewed "jamming" war with the Soviet Union.

The use of long-wave frequency 173 kilohertz interferes with Radio Moscow's signals to Eastern Europe, but United States Information Agency officials said it is primarily designed to make it difficult for other recipients.

USIA officials said the program is Russian and English and approximately 100,000 would normally receive Radio Moscow outside the Soviet Union. But people in part of Europe also receive it, USIA officials said. They make it possible for American broadcasts to reach large audiences in Eastern Europe, particularly Soviet troops stationed abroad.

Both objectives appeared to be behind the resumption of American broadcasting on frequency 173 from a one-megawatt transmitter in Bavaria.

Frequency 173 was allocated to Radio Moscow by the 1948 Copenhagen Convention, USA

officials said the United States started using the frequency Aug. 21, 1969, one year to the day after the Soviet Union resumed jamming activities against the Voice of America simultaneous with its move into Czechoslovakia.

The decision to resume use of frequency 173 after a more than five-year hiatus was made under Frank Shakespeare, head of the USIA, the VOA's parent agency.

On Saturday, David accused Shakespeare with a reputation for a sharp view on the subject of propaganda. USA officials, however, said the decision to use 173 was an institutional one and not attributable to Shakespeare's personal view.

A former USIA official said the United States has been told the Soviet Union that it will stop using 173 when the Russians stop jamming. About a month ago, the USIA official said, there was an exchange of letters in which the United States proposed and offered specifically to turn off 173 if the Russians ceased jamming.

The official said the Russians sent back a response note, in which they declared

jamming to be in internal Soviet matter, but that they would expect the United States to stop using frequency 173.

Although the Russians consider the use of 173 an American jamming device, at least some informed sources here call the charge unfounded. These sources say Radio Moscow uses the frequency primarily for domestic Russian programming, and that the broadcasts reach only a few million people in the Soviet Union. Interference with the broadcasts by a source outside the Soviet Union, especially in central Poland,

This means that in some areas where people do not receive the broadcasts, the frequency no longer can. VOA officials concede that their broadcasts on 173 do not reach many Russians within the Soviet Union.

Informed sources said the VOA uses frequency 173 for prime time broadcasts a total of six hours a day, two Russian and four in English. The powerful one-megawatt transmitter with an omnidirectional antenna, informants said, could reach as far south as North Africa if it were not in competition with Radio Moscow's own westward transmissions.

USIA officials said the Soviet Union has been told that the United States will stop using 173 if the Russians cease jamming.

In June, however, sources said, the United States

has been told that the Soviet Union will stop using 173 if the Russians cease jamming. This means that in some areas where people do not receive the broadcasts, the frequency no longer can. VOA officials concede that their broadcasts on 173 do not reach many Russians within the Soviet Union.

CBC plans separate radio divisions

By BLAIK KIRBY

The CBC announced yesterday that it will divide its radio service into a light division, to be called Radio One, and a heavy cultural division, Radio Two.

Radio One will be carried on AM, and Radio Two on FM, in stereo. Both will start in the second half of 1971. There will be major increases in local programming and pop music on AM, while classical music and drama will be exiled to FM. There will be an over-all decrease in classical music.

The change will require fans of serious music, drama and other arts

on CBC to acquire FM radios. In addition, most auto radios are AM only. One major department store said last night that an FM portable would cost at least \$30, and an AM-FM auto radio \$48.

The division will only apply, however, in areas where the CBC has both AM and FM stations. At present there are only five English-language FM stations on the network, in Toronto, Montreal, Ottawa, Winnipeg and Vancouver. Montreal also has a French-language CBC FM station.

New French-language FM stations will be built in Ottawa, Quebec City

and Chicoutimi to allow the commencement of Radio Deux in French.

Other stations will be built over a period of at least five years until every CBC-AM station has an FM station match. Until that time, the AM stations will carry a mixture of programs from Radio One and Radio Two.

CANADA'S WILDERNESS RADIO: THE LPRT

By
Page Taylor

THE NEW YORK TIMES, SUNDAY, NOVEMBER 15, 1970

POLITICAL CONTEST IN SZECHWAN SEEN

Chinese Province's Radio Silent on Local News

By TILLMAN DURBIN

Special to The New York Times

HONG KONG, Nov. 14—
Szechwan, the mountain-
ous province of more than
100 million people in southeast
China, has become
a hotbed of political activity
again in the past few days.

A year ago, on Nov. 15, 1969,
the provincial radio station in
Chongqing, the capital, reported
that it had received a report
from a source in the province
that the need for improved
radio service was being
discussed among officials.

It was reported that the first
report on provincial affairs
was made by the station
in the past few days.

The report was the first
of its kind but was
not a part of the
normal news program.

The first appearance of ob-
servers here during the Cultural
Revolution is that when a

provincial radio station in Com-
munist China ceases to report
on provincial affairs for some
time the reason is an unresolved
internal political struggle.

There were periods of weeks
at a time in 1967-68 when the
provincial radio station stopped
broadcasting provincial reports.

Private Red Guard and other
groups numbering many thou-
sands fought each other and
engaged in arson and other
forms of destruction in Chengtu,
Chongqing and elsewhere as
partisans of the leftist Cultural
Revolution directorate in Peking
tried to oust the Szechwan
Communist Party leader, Li
Ching-chuan, long entrenched
head of the party's Southwest
Military Region and member of the party's

strong support from
Peking and the intervention of
Chiang Ching, Mao Tse-tung's
wife. Mr. Li was purged and a
new leadership team installed
in Szechwan.

Leadership was changed
Chang Kuo-hua was brought
from a position he held in Tibet
as military commander and
political commissar to be first
political commissar of the
Southwest Military Region and
head of the ruling Szechwan
revolutionary committee. Liang
Hsiang-shih was transferred from
a post as deputy commander of
the Southwest Military Region
to be Southwest commander
and vice chairman of the
revolutionary committee.

Two other vice chairmen of
the revolutionary committee
were a man-and-wife team, Liu
Chieh-ting and Chang Hsi-ting.
Radical leftists who had
emerged during the Cultural
Revolution, they were particu-
larly close to Chiang Ching and
presumably were the direct
agents of Miss Chiang's leftist
influence in the province.

Mr. Chang and Mr. Liang, on
the other hand, had come under
strong attack as rightists dur-
ing the height of Cultural
Revolution purging.

The reshuffle of the leader-
ship in Szechwan, obviously
a compromise between leftist and
rightist forces, apparently failed
to settle a clash between radi-
cals and moderates, who are
believed to have continued
their maneuvering against each
other and to have had to oper-
ate occasionally in an environ-
ment in which unrepentant
partisans of Li Ching-chuan
have continued to have wide
influence.

But no one here can know
much about what is really go-
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no provincial radio reports, and
no foreign visitors ever get to
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at a time in 1967-68 when the
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broadcasting provincial reports.

Violence Escalated

That is believed to be the
state of affairs now in Szech-
wan whose political factions
were locked in sometimes
violent conflict for provincial
control in the 1967-68 phase of
the revolution and may be
similarly embroiled again.

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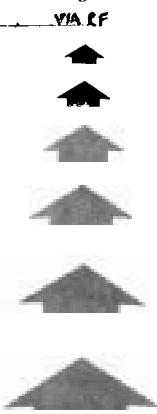
Schefferville, Pine Point, Destruction Bay, Flower's Cove ...
Picturesque names from the gazeteer of the Rand-McNally Atlas?
Partly. But more. All of these places actually exist and
are to be found in obscure regions of Canada's wilderness.
And all are currently being supplied programming of the
Canadian Broadcasting Corporation via a unique network of
low-power relay transmitters.

The past few decades have witnessed renewed interest in the
development of the Canadian "outback," due to the discovery
of mineral wealth, timber, hydroelectric potential and other
resources. The territories situated north of 60 degrees,
once considered to be uninhabitable due to the severity of
the harsh arctic winters, are now studded with new settlements
as numerous as the muskeg bogs indigenous to the terrain.
Permafrosted, treeless reaches of tundra have given rise to
a seaport on Hudson Bay, oil boom settlements on the
Athabaska Tar Sands of northern Alberta, and mining towns
in the Yukon.

As the new settlements flourished, the need for a radio
broadcasting service became evident. The idea of an "LPRT"
network gained favor in 1936, the same year that broadcasting
in Canada was incorporated into the Canadian Broadcasting
Corporation.

The first of these low-power relay transmitters took to the
air in Revelstoke, British Columbia on October 22, 1940 after
four long years in the developmental stages. This station,
designated as CBRA, remains operative on 860 kHz., with 20
watts of power. The groundwave coverage of this outlet extends
for nearly ten miles east or west of Revelstoke along the
Trans-Canada Highway.

The original LPRTs installed in the early forties consisted
of a twenty watt transmitter housed on property owned by
Canadian National Railways, Canadian Pacific or the local
telephone company. An employee of one of these operations
served as local contact or liaison for the CBC. This local
contact had the authority to tap the network feed in the event
of a local emergency, such as a forest fire or flood. We
are reminded of the incident in northern Ontario where the
lines were tapped on a regular basis to broadcast local Bingo
and lottery results (until CBC regional headquarters were
notified of missing network segments!)



The up-dated version of the LPRT operates with 40 watts of power. Each transmitter unit is provided with dual tube systems in the event of failure; transfer is accomplished automatically. Installations are not necessarily housed on railroad property, but are for the most part to be found adjacent to a government or publicly-owned utility. Technicians from CBC regional headquarters visit each installation twice a year for normal technical maintenance. Stations are unmanned; therefore, an open carrier is radiated by the LPRT through the night, even though no modulation is being provided over network lines. The antenna system consists of a rather unobtrusive 65-foot length of copper wire strung between two wooden poles. "Typical" LPRT installations may be seen anywhere Trans-Canada from Woody Point, Newfoundland to Tahsis Inlet, British Columbia.

However, some interesting localized variants do exist. In Hearst, Ontario the copper longwire for CBLX straddles the Trans-Canada Highway at the eastern approach to town, one pole on each side of the highway. In St. Stephen, New Brunswick, CBAO is located on the roof of the telephone company building, several stories off the main street. And at Grande Vallée, Quebec on the Gaspé, the relay is housed adjacent to a red-and-blue trimmed lighthouse in a scene appropriate for a National Geographic cover photo.

Official CBC information rates the effective range of an LPRT at "... between 5 to 10 miles depending on frequency and nature of terrain..." However, occasionally, an LPRT remains unheard until one is within several miles of the transmitter installation. At Geraldton, Ontario, CBLG at 730 kHz. with 20 watts is barely audible locally. The terrain surrounding Geraldton is rocky; barren rock of the Pre-Cambrian Shield is very much in evidence in the area; ground conductivity must be about the poorest anywhere in Canada, and an old 20-watt unit is employed. At the other extreme, Nova Scotia LPRTs may be heard for great distances in Maine, due to the salt-water path provided by the waters of the Bay of Fundy. The same condition prevails with CBMG, 1190 kHz. at Port-Cartier, Quebec which provides a powerful signal 90 miles across the St. Lawrence Estuary to the North Shore of the Gaspé. In the west, CBXJ at Jasper Townsite, Jasper National Park, Alberta remains at a listenable level for over 40 miles of some of the most rugged terrain in North America.

There has been much discussion as to the identification practices of low-power relays, when such identification does, in fact, exist. There has been additional controversy over the possibility of verification of such a station. Some question may even arise as to the validity of a verification from such a station. Based on annual travels from 1966 through 1970, the following data are offered as partial insight into the regionalized policies in effect:

Newfoundland: (1969): Network IDs only noted: local ID times noted with "dead air"; additional and/or updated information requested.

Nova Scotia: (1969) Network programming is fed to LPRTs from CBH or CBA; French Network provided via CBAF and/or CBF. Local IDs are not known to occur: "dead air" occupies the space following, "This is the CBC Radio Network" or "101 Radio-Canada."

New Brunswick: (1969) Dead air, no local IDs on either English or French services. French relays seem to be serviced via CBAF or CBF; English is provided via CBA or CBZ.

Quebec: (1966,1968,1969,1970): Standard CBC network-ID, followed most usually by dead air, or in isolated areas, 60 seconds worth of light music. Weather is localized for the areas being served by LPRTs.

Ontario: (1967,1968,1970): Localized programming is fed from studios in Toronto, Windsor and Winnipeg. Local identifications have not been heard, except for the several CBW relays serving the Rainy River and Kenora Districts of Western Ontario. Relays in the Thunder Bay District have been heard playing light music during ID times. Manitoba Region relays serviced from Winnipeg do identify in "tandem" with CBW thusly: "CBW, dial 990, Winnipeg, as relayed by CBES, Ignace, CBLA, Atikokan, CBLS, Sioux Lookout and CBEA, Red Lake."

Manitoba: (1967,1968,1970): Relays not heard: information requested.

Alberta: (1967,1968): Some relays have been heard to "tandem" ID thusly: "CBX, dial 740, radio for Northern Alberta as relayed by CBXI, 1450 on your dial in Hinton." The Calgary feed identifies normally in this fashion: "CBR, Calgary and CBXB, Banff."

British Columbia: (1967,1968): Several relay networks exist within the province, providing localized programming. An independent network of LPRTs was established to serve the needs of communities strung along Highway 16 between Prince Rupert and Prince George. This region is one of stark wilderness; this highway, in addition to serving as a main access route to Alaska's State Ferry System, follows a route unexcelled in alpine scenery. The entire region is wealthy in Haida and Tlingit Indian culture: some of the finest examples of totem pole carving may be seen at Kispiox and New Hazelton along this route. Some twenty miles east of Terrace, the peaks of the Seven Sisters rise for nearly 8000 feet from the Skeena Valley. Thus, the relays serving the area are known as the "Seven Sisters Network" and are provided programming from studios at Prince Rupert. Other stations throughout the province are members of the "Pacific Network" and carry programs from Vancouver studios. Several of the far-northern relays are members of other networks: CBDG, 1340 kHz. in Cassiar is a member of the Yukon Network, due to geographical and economic proximity to that Territory. In Fort Nelson at mile 300 on the Alaska Highway, CBDA, 1240 kHz. receives programming from the Pacific Network and CBC Northern Services. Localized weather and road-condition reports are provided on relays serving the Alaska Highway.

Yukon: (1967): All the stations serving the Yukon are members of the CBC Northern Service, although some programming is provided by the Pacific Network at Vancouver. The feeder station for the Yukon Network is CFWH, 570 kHz. in Whitehorse with 1000 watts of power. The coverage area for this station is excellent, and is received during daytime hours over distances of several hundred miles: CFWH is often heard in areas serviced by a relay transmitter. All stations identify in the same manner: "CFWH, 570 in Whitehorse."

Northwest Territories: The Yellowknife studios of CFYK, 1340 kHz, serve as the feeder for the "MacKenzie Network." Stations serving the Districts of Keewatin and Franklin are independent of this network. Programming is probably provided via shortwave off-air relays. Information is requested.

Prospects for continued future expansion of the LPRT service in Canada are hopeful. High-potential under-developed areas north of 60 degrees latitude should provide the area of greatest expansion and extension of service.

REFERENCES:

1. "The Big 40-Watt Radio Network", Dill Hatton, CBC Times, October 19-25, 1968 (via KGS)
2. "Links With the World", Doug Chase, CBC Times, December 26-January 1, 1964-5
3. Annual Report: 1969; Canadian Broadcasting Corporation, Montreal; pp.106-110
4. LPRT List; Bulletin, Newark News Radio Club; September, 1969
5. LPRT List; DX News; September 27, 1969, pp. 19-20
6. LPRT List; DX Monitor, IRCA; September, 1970 (undated); pp. 34-39
7. Travel Notes: personal compilations of LPRT data gathered with the thanks of my wife, Alberta whilst enroute across Canada in quest of the LPRT over the past several years.

*

DOMESTIC
X
DIGEST



Midnight to Sunrise

EDITOR: P.J. EDWARDS
BOX 846
WAYNE, N.J. 07470
(201) 335-6307

- 540 WOTO-F1 ET w/ mostly OC, some TT 0225-0305 tuneout 11/11 (Rick Evans, Gary, Ind.) (also Roger W. Maser, Valparaiso, Ind.)
- 570 CJER-1B Hrd w/ EDEFFrr, FF amncr, well u/MCA in good opening to Maritimes 11/17 2350. (RJE)
- WAAX-AL ET w/ c&w mx off 0205 w/ no ID, later ID'ed by Dave Schmidt who'd hrd 'em on EBS rx at WHOT XR site w/ WKBN off (Jerry Starr, Youngstown, Ohioyo)
- 580 OKWV-On All over the freq. all AM 11/24 (Starr)
- 680 WSPW-NC Noted AN w/ HI M1 11/16 (Dave Schmidt, Youngstown, Ohioyo)
- 790 WPIC-Pa My 2nd closestlocal w/ ET-OC past 0115 11/23 (Starr)
- 850 WKII-ND In well w/ talk 0534 11/14 (Blake Lawrence, Canon Cy, Co)
- 850 KOA -Co Had ET/TT 0230-0400+ 11/23, follo by mx, jingles (Starr)
- 860 KOAM-Ka ID 0331 during ET/TT 11/23 (Starr)
- 900 WOTW-NH Strong M1 11/16 w/ ID 0726 (Steve Kamp, San Jose, Ca)
- 910 WOND-SC Had ET/TT 0030-0045 11/23 w/ ID 0040, maybe a check, tho' anncd. as ET, tho' some checks announce this way. (RJE)
- 920 KKLY-Wa On top of freq. w/ rr M1 11/16 0110 (Schmidt)
- **930 WNER-Ga Hrd w/ v. good sigs., MoR, 11/21 0228-35 (Lawrence)
- 940 WLLI-Wa R/C listed as 0015-0030 is wrong: hrd w/ cl. mx. 0145-0200 instead, change list. (Starr)
- 940 KVSH-Nb Ending 5kw non-DA ET/OC 0413 11/23 (Starr)
- 940 KHOS-Az ~~Ending~~ ET/TT 0100-0130+11/6 powerful (Starr)
- W/ "Kay-Hoss" ID's, only "straight ID on hour 0200 11/23 (Joe W. Brauner) Hi, Joe, & welcome back - for those of you who don't know, Joe was for many years the editor of the current DDXD's predecessor, DXDD (DX Down the Dial). Joe "retired" in the mid-60's, after doing an excellent job for several years.... -RJE
- WILD-La Popped in ard.0200 11/23 atop briefly w/ ID then under again (JWB)
- 950 WLOP-F1 Noted AN M1 11/16 w/ rr @ 0225, very rare here (Schmidt)
- 960 WERC-AL Was strong TT here on & off all AM 11/16 (Starr)
- 980 OKOH-Ca Atop freq. M1 11/16 0114 w/rr. (Schmidt)
- 990 KVLV-Wv Hrd on ET 11/17 0245-0315+ some TT, w/ ID 0308 (Clarence H. Freeman, Auburn, Ca.) Welcome, Clarence - RJE)
- 1000 KSHD-Wa Hrd w/ET/TT ID @ 0433 11/16, much wanted here, must've been on non-DA (Lawrence)
- 1050 CJIC-On Fair w/ promo 11/15 0412. Have been trying for reportable copy, but so far no luck. (Kamp)
- **1060 WNGE-La Hrd 0116 11/14 w/ HI. Add to HI list (Lawrence)
- 1080 KRLD-Tx For once, s/off 0112 11/14 to return 0600. (Lawrence) Extensive XR trouble, forcing M1 SP generally starting 0100. Sometimes off during week, but will resume NSP as equipment allows. (Paul K. Hart, Ft. Worth, Tx)
- **0150 KDFP-NH On AN M1 11/16, now NSP ?? (Hart) **Apparently, as per a report last issue, they are. -RJE.
- **1170 WJLB-WY Per call from CE, hrd make-up check 0000-0015, w/ voice ID's, tone, and at least one code ID, mostly for my benefit as even as close as I am to them, WJVA clobbered 'em, this 11/19(RJE)
- 1220 WJAL-On V. Good w/ nx, wx, rr 0400-0406 11/23 (Lawrence)
- unID 0430 11/16, strong ET w/ varied mx, OC 0410 and on (Lawrence)
- unID Hrd w/ nx, @ 0500, and MoR after, caught one PST TC, was this CKDA?? (Lawrence) ** Likely so - RJE

1220 unID Hrd ET w/ Simon & Garfunkel records 0331 11/23 (Lawrence)
 1230 WBPZ-Pa S/off 0012 11/23 (Fred Nordquist, N. Syracuse, N.Y.) Hi, Fred, and welcome to DDAD to a member from my old habitat...-RJE
 KGfJ-Ca Had ET 11/23 MM 0354 w/ TT, then s/off annot. (Kamp)
 unID Hrd here w/ Drake jingles, ~~IMX~~ and rr, but no readable ID's, o/u WITH 0103-05 11/23 (RJE)
 1240 WDXY-SC Hrd r/c as listed in MRC list under former call of WSSC (lth MM 0045-0100), blush (RJE)
 WGVA-NY Hrd in u/ TT's w/ rr 0048 11/23 (RJE)
 WBIR-Tn Hrd s/off on top w/ SSB 0100 11/23 (RJE)
 KRDO-Co Hrd s/off 0320 11/15 (Hart)
 WJEE-Md S/off 0100 w/ "Lord's Prayer" 11/17 (Nordquist)
 WMTB-Fl Hrd w/ pair of ID's 0330 11/24, one by man, second by woman, faded upat ID time, of all things... (Starr) **That's very strange, but it happens to GPN all the time, hi -RJE
 unID HI pgm w/ mentions of Halzleton HI 0115 11/25, WBAX? (Starr) Per addenda listed after "Novice DX'er's" article #1, 'tis indeed this. So now the two dominant stns. here have HI (this and WWCO-Ct) -RJE
 1260 WUFE-Ga ET/TT 0100-0120+ 11/17, strong (Starr)
 1430 WLAK-Fl Completely destroying WIRE 0130 11/24 w/ HI @ s/9+, new? (Starr) Yup, per same list, hi (RJE)
 1320 CKEC-NS Hrd s/off GSQ 11/17. (RJE)
 1380 WFSR-NY Hrd f/c w/ TT, Voice ID's, code ID's (real slow) 0030-0045 11/19 (3rd Sat). Originally listed on NARC list as 3rd Fri, so could be either change or makeup check, tho' not hrd as listed prev. few months (RJE)
 WAOK-Ga Running audio PoP MM 11/16 w/ 0100 ID (Schmidt)
 WLCY-Fl S/off MM 0100 (11/16) (Schmidt)
 1400 KVOP-Tx Hrd wk ~~tt~~, no ID's whilest looking for listed r/c (Kamp)
 unID S/~~off~~ SSB 0545 ~~11/17~~ then into Air Force c&w pgm (Lawrence) -Thought the AF was above that sort of thing.-RJE
 1430 WLAK-Fl (again) s/on 0500 11/23 o/WIRE (Starr)
 1440 KILQ-MD Best bet for this state here. Hrd MM 11.16 w/ mx & s/off 0100 w/SSB (Schmidt)
 1450 WMBH-Mo Hrd w/ c&w 0452 11/15 (Lawrence)
 1460 KIRL-Mo Tentatively the one w/"Voice of Prophecy" 11/16 0645-0702, then into farm pgm., w/ mention of Missouri Farmers. (Kamp)
 1470 WCLA-Ga Format of r/c should be Dixieland mx, hrd same 0116-30 11/17 (Starr)
 1480 WDAS-Pa Way atop freq. MM 11/16 0341 w/ WLEE under. Stronger here than in old location (Schmidt) ((Chester Pa was old QTH))
 1490 KTOP-Ka Hrd 0515 11/15 w/ wx. (Lawrence)
 1510 WLAC-Tn ET/TT end 0413, carrier off 0414 10/8, a Sun. AM, a change? (Starr) Dunno, but guess we'll see, hi -RJE
 1560 WKOG-Ga ET w/ old Presley LP's 0100-0330+ 11/24, loud as usual (Starr)
 1580 WNRJ-Ga Hrd on ET w/ ID 0335 & off 11/16 (Schmidt)
 1600 WRNL-NY Off AN on 11/20 (Starr)

Sunset & evening

550 KOAC-Or Over all 11/21 2042-2102 w/ talk pgm, ID 2102 (Kamp)
 580 KFXD-Id Equal to WIBW w/rr 1911-11/20 (Lawrence)
 600 KIIX-Co Hrd 1st time w/ new call, was closest unheard 1637 11/14 (BL)
 630 KSXX-Ut Is my unID talker hrd 11/15 1900 w/ ID & NBC mx (Lawrence)
 730 KURL-Mt Hrd 1830 11/21 w/ID, temp., (18°) (Lawrence)
 850 unID Hrd w/ s/off 1845 11/19 w/"Jesu, Joy of Man's Desiring" in lieu of SSB, KF00?? (Lawrence) ** since this appeared in musings last issue for so & MRC sez yes, who am I to argue?-RJE

920 WKVA-Pa Atop channel 1740 11/22 (RJE)
 940 KBER-Ut New stn. in well o/KIXZ nitely bl s/off (Lawrence)
 950 WSPA-SC W/ temp., 1937 11/21 (Nordquist)
 1000 WKIK-Fl S/off w/ "Dixie" 1748 11/24 (Starr)
 WRCM-Ky On RS hrd o/WOFL w/ s/off 1714 11/12 (Starr)
 1140 CBI -NS Finally hrd way o/WVA 1748 11/17, this has been one of my most wanteds for years (RJE)
 1260 KPOW-Wy Hrd 1830 11/20 w/ ID (Lawrence)
 1300 WMAC-Az Hrd o/KVOR 1900 ID, nx 11/16 (")
 1310 KLIK-Id Hrd 1906 11/19, ending IMN nx of Idaho, bad QRN (Lawrence) For those who aren't sure, IMN is, I think, Idaho Mutual Network, or Mountain net or somesuch -RJE
 1330 KWGL-Id Hrd o/KFH w/ nx, 1910 11/21 (Lawrence)
 1350 KARBQ-NH ID 1903 11/26 ~~nx~~ one of my most wanteds (Lawrence)
 1380 KLIK-Mt Hrd w/ local nx 1910 11/23 w/ exc. sig, (")
 1450 CPJR-On Hrd w/ several ID's & CBC Sports, MoR; 1808-27 11/14 (Nordquist)
 1500 KTXD-Tx Hrd s/off 1829 11/14 no SSB, SS under. (Lawrence) SS doubtless XERH -RJE
 1520 WARR-ND On for flood emergency all eve 11/16 (RJE)
 WQBR-SD Finally hrd u/WKBW on car rx of all things 1710-14 s/off w/ femme annr. (RJE)
 1550 WNDU-AL S/off annot weak 1758 11/21 (Nordquist)
 WOKJ-Mt Hrd surprisingly o/CBE w/rr 1936 11/21 (Nordquist)
 1570 WCHL-AL S/off w/ quartet mx (?-RJE) 1747 11/21 (")
 WFLA-Fl W/ VA. nx 1658 11/21 (Nordquist) *As I remember from a trip thru Siler Cy., it's not even too near Va..... -RJE
 KACE-Ga Hrd w/rr o/u/XERF 1938 11/15 (Lawrence)
 1580 WEST-Ms S/off annot, w/gd sig. 1759 11/21 (Nordquist)
 KLTN-Ga S/off w/ inst. SSB 1830 11/17, good copy w/ GBJ looped (Starr) And, for my ERC-type comment of the day... I never knew CBJ was that kind of station, hi...-RJE

Otherness....

730 - WACE-Ma, W/ ID 1435 w/ WPIT looped (11) 11/17, one of my best daytime catches (Starr)
 900 - WSWN-Fl Has ET/TT most every MM of late, 0100-45 (Winsor)
 1070- WIBC-In Both off MM 11/16 (Winsor)
 1430- WIRE-In
 550 KOY -Az Had ET 0330 11/23 (Kamp)
 1190 WAMB-Tn Beautiful sigs. on ET w/ big band mx, well o/KLIF (Winsor)

changes

+ 570 CP -Ak Kodiak, 99615; 1000/500 U1
 + 850 KGOE-Ca (CP: Thousand Oaks) ex-KKID
 + 1110 WQYK-Fl ex-WALT
 + 1070 WKOK-Pa ANT: U2
 + 1380 WIZO-Tn CP: D1
 + 1440 KEYS-Tx CP: 1000 U2
 * 1310 KKGf-Mt Was off due to fire 'til 11/2. Are currently running 5000/1000 per verie (Don Eggert, Crown Pt., Ind.)
 + 1560 WTPS-Mi Is off permanently per a reliable source (Eggert)
 * 1530 WTHO-Ga Thompson will begin RS 1/1/71, according to ad in Broadcasting City spelt wrong in log. (Starr) NO!! CORRECT AS IN LOG, spelling is Thomson, per Atlas, C-T, original info from Broadcasting, etc. -RJE

1st MM: KFTA-1340; KHHL-790; K3JB-590;
 1st Tu: WIOS-1480; KVOL-1330; KMP-860; KIDD-800;
 1st Th: KNOP-1410; WTCO-1450;
 1st Fr: KVOX-1280;
 1st Sa: WBRN-1460;
 1st Su: KOCR-1240; KICI-1360;
 2nd MM: WELI-960; KIJV-1340; WCAZ-990; KXRA-1490; WOXL-1450;
 2nd Tu: WRFL-1450; KCHR-1350;
 2nd Sa: WOCR-1580; KJEP-1290; KNLV-1060; KLFM-1390;
 3rd MM: WTHB-1550; WKY-1480; WDIC-1430; WNE-1480; WJPP-1340; KWLA-1530;
 WILC-1260; WJJJ-1260; WHTS-1480; KHRZ-1460;
 3rd Tu: WGAP-1400; WEAS-900
 3rd Sa: KIZZ-1150; KCNI-1280;
 4th MM: WCMS-1050; WTLB-1310; WTON-1240; WGOE-1590; WDXV-1240; KSYL-970;
 WERI-1230; WCBG-1590; KPUR-1440;
 4th MM: WHOM-1480;

A good list of r/c's this time, most thanks to Roger Winsor. Others contributing checks: Starr, Lawrence, Kamp, Brauner, RJE. I believe all of the above checks are either on the NRC list, or have been added in supplements to that list appearing in DDXD. The following list are checks hrd in the past few months by NRC, some of which may have already appeared herein, but due to the volume of r/c material on hand here, I've not been able to weed them all out. Most are new to NRC. Monitor's name or initials appear after the check:

1st MM: 1340 KDLM-Mn T 0100-0110 (RW)
 1400 KIUN-Tx T 0615-0630 (RW)
 1010 KDLA-Ia T 0645-0700 (RW)
 1370 WGHV-MI T 0015-0030 (Page Taylor)
 1550 WBAZ-NY T 0100-0115 (?)
 1st TH: 1230 WSBW-Fl T 0230-0245 (RW)
 2nd Tu: 1360 KQRS-Wy T 0200-0215 (RW)
 1350 KABQ-NM T 0215-0230 (RW)
 2nd MM: 1450 WXL-Ky T 0415-0430 (RW)
 3rd MM: 1320 WKAP-Pa T 0000-0015 (PT)
 1150 WKWY-Ia T 0125-0140 (PT)

and a change:
 1600-WKSK-Nc, still 3rd MM,
 but time is 0100-0115... (RW)

Due to space/time limitations, all materials from the past two weeks or so hrd by Page and myself are held over until next issue. Mostly, this is due to the fact that this week (11/30-12/4) is my heaviest week at work this fall.

731s

RJE

IN NEXT WEEK'S DX NEWS (HOPEFULLY, DEPENDIN' ON HQ COMPOSITION PROBLEMS):

- 1970-71 Foreign contest standings 12/1/70
- Tips for the Novice DX'er #3 - Logging 20 W.H. countries
- An explanation of what some of the symbols used in DDXD actually mean.
- Questions pertaining to currency of CP's, etc.
- a new typer ribbon - hi - RJE

VERIE SIGNERS

| | | | | | | | |
|--------|--------------|-------------------|------------|------|--------------|--------------------------|----|
| A - L | Siddons | G - T. | Kerfoot | 1330 | K PqO K | H. A. D., CE | B |
| B - R. | Karchevski | H - R. | Sabo | | W E V D | D. Winters, CE | E |
| C - R. | Ligon | I - W. | Boyd | 1340 | W N H C | C. Jannucci, CE | E |
| D - D. | Eggert | J - N. | Gantzer | | W MhC O | u/u, DoE | C |
| E - B. | Bennett | K - T. | Buckley | 1350 | W N L K K | W. H. Montgomery, CE | E |
| F - K. | Lyon | L - K. | Schulte | | K SqR O | K. M. Sawson, CE | B |
| | 540 W Lr I X | G. Fisher, | Cont'd D H | 1360 | W D R C | G. W. Watson | E |
| | 550 W H L M | A. F. Hogg, | CE | | W MmN S | M. Ceci, CE | D |
| | CqH LhN | O. Levevre, | CE | 1380 | W AfO K | I. Miles, CE | A |
| | K T S A | E. F. Hoefar, | E | | K GmM S | R. Hinz, CE | D |
| | 580 W T A G | A. Browning, | CE | 1390 | W CqS C | A. Hughes, CE | L |
| | 610 W I P | C. D. Derigate, | CE | 1400 | W S T C | L. A. Dorrian, CE | E |
| | 620 W V N J | P. Sestain, | CE | 1410 | W IqN G | J. Yanceff, WPoE | A |
| | K TcA R | M. Porter | | 1420 | W L I S | J. M. Powers, M | E |
| | 630 C J E T | A. Bonnea, | CE | 1430 | W H I L | K. Atkins, CE | E |
| | W L A P | T. C. Bowie, | CE | | W N J R | C. W. Simpson Jr., CE | E |
| | W PqR O | G. Johnson, | CE | | W VcA M | J. T. MacAlarney, CE | K |
| | 650 W S M | Mrs. Lois Sanders | | | W EqN E | J. F. Schlier, CE | C |
| | 660 W NqB C | T. Buzalski, | CE | 1460 | W O K O | W. Hamby, PD | E |
| | 680 W R K O | G. Capalbo, | CE | 1470 | W MfM W | (u/u, DoE | D |
| | 740 W G S M | (D. Duber, | CE | | | (J. M. Brownstein, VP/GM | E |
| | | (T. Polino | | | f | (K. Seech, DoE | L |
| | 780 K C R L | C. E. Cord, | O | BD | C FqR W | W. McYangalk, CE | D |
| | 800 C K L W | M. Diedemann | | E | 1460 K SqO | G. Myers, ESu | -C |
| | 840 W R Y M | H. Kristopik, | CE | E | 1480 KfL lms | H. Swenson, SM | D |
| | 860 C J B C | M. Morin, | Aud Rel | E | K RfE D | P. Hoff, VP/M | B |
| | W A Y E | W. Brandon, | E | I | K YfO S | G. Wright, CE | B |
| | 960 W EqL I | u/u | | D | K W U N | N. Kestner, P | B |
| | C HcN S | Louise Chiasson | | I | KHw ImZ | E. F. Arbuckle, CE | B |
| | 970 C BcZ | A. Thurber | | I | 1490 W G C H | N. Wolfson, CE | E |
| | W J R Z | H. Reith, | M | H | 1500 W F I F | J. L. Elererl, CE | E |
| | 990 W N T Y | T. Caewtt, | E | H | W T O P | G. Klink Jr., CE | EH |
| | 1090 W BqA L | N. Hedrick, | CE | H | 1520 K A C Y | Claudia Durham | B |
| | 1100 W KqY C | H. A. Spiller, | CE | CH | K M P G | u/u | B |
| | W H L I | B. Naramore, | CE | H | W N M T | E. F. Bigbie, CE | D |
| | 1150 W HmU N | W. E. Germann, | GM | F | W T H E | R. L. Winslow, GM | E |
| | 1190 W LrI B | G. Nonik, | GM | H | 1530 K FqB K | u/u | B |
| | W OqW O | B. Wolfe, | CE | H | W C K Y | A. Lentz, CE | EH |
| | 1210 K GqY N | J. Fields, | E | D | 1540 K XqE L | J. Dee | B |
| | 1240 W V O B | B. Cable, | CE | L | Z.N S | S. Hepburn, Actg CE | L |
| | 1250 W L Y B | u/u | | F | W C O X | S. M. Kennedy, CE | D |
| | W DqV A | W. C. Czmpbell, | CE | K | 1570 W Y T I | G. Lynch | L |
| | K T W | W. Le Tourneau, | GM | B | 1580 K PrI K | G. James, CE | D |
| | W M T R | G. Grambor, | CE | E | W P A C | G. Pfeiffer, CE | H |
| | 1230 K QrI K | E. L. McKinney, | O | B | 1590 W A K R | I. L. Knopp, CE | K |
| | 1240 W G B B | A. G. Lush, | CE | E | 1600 W E U P | L. Garrett, M | J |
| | 1260 W WcD C | D. S. Culp, | CE | K | | | |
| | 1270 W I L E | K. R. Myers, | CE | C | | | |
| | 1280 W AqD O | D. Greenstone, | CE | K | | | |
| | W HqV R | u/u | | L | | | |
| | 1290 W G L I | F. Cambria, | CE | E | | | |
| | 1300 W E R E | J. Schraitle | | C | | | |
| | W A V Z | F. Brill, | CE | EH | | | |
| | W MqA K | L. Verden, | CE | C | | | |
| | 1310 W V I P | L. Stasser, | CE | E | | | |
| | 1320 K CqP X | W. Wright, | RM | B | | | |
| | K X L W | J. F. Mitchell, | CE | F | | | |
| | 1330 WfA Sma | M. Maury, | CE | L | | | |
| | W ErS R | u/u | | L | | | |

We have more on hand. One of the above NRCers listed some of his veries with the little letter "v" - We don't know what he meant! And please remember the difference between "c" and "q". "c" is a hand-written or typed card; "q" is a printed verification card - what hams call a QSL card. Send in your latest v/s, but please weed out any which have appeared here recently. No purpose is served by repeating the same station and name. Keep them coming in to our Brooklyn address, double-spaced, with your name on thd paper. Thank you!