



DX News

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NATIONAL RADIO CLUB

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NUMBER 21

'TOO MUCH SNOW'

Well, at least it's official. When the Special Delivery mail containing Musings, IDXD, and DDXD finally reached us after 3 days delay, some clown in the P. O. had hastily scribbled "Too Much Snow" on the envelopes. After three major snowstorms in 4 weeks, the New England region is just beginning to recover. Last week's DX News, dated March 1st, did not go out until the evening of the 3rd because of the storm; we should be back on schedule this week though. We regret the delay last week but it was unavoidable. We have received several comments to the effect that 3rd Class delivery of DX News seems to take twice as long as delivery of the IRCA bulletin. While Boston P. O. has never won a prize for efficiency, bear in mind also that the IRCA bulletin is usually mailed out several days in advance of the date on the bulletin. We even once received an issue here 2 days before "publication date". We will continue to list the actual mailing date for DX News so you may complain directly to Mr. Ephrem Martin, Boston Postmaster, in the event of poor service.

NRC COMPUTER LOG

Lon Berman's computerized log project is under way, he'll be glad to supply full instructions and directions to members who'd like to help with the keypunching. Most universities and quite a few high schools now have keypunch facilities and several of our members have gotten access to them by a little quick talking. If you can help, drop Lon a note; address on back page.

SHOW IT IN PUBLIC

If you've got an item you'd like to show off in DX News, send it along to HQ and we'll run it as promptly as possible. Because not all QSL's will reproduce well, it's best to send along several alternatives. And send along a couple of lines of descriptive text for the caption if you'd like.

NRC - imitated but unequalled

YA GOTTA HAVE HART!

"Continued congrats to the BPC. DX NEWS is by far the best information source for the ECB fan."

-Paul Hart - 2105 Muse - Fort Worth, Texas - 76112.

SPECIALS

	kcs.	Den.	Watts	A.M.-E.S.T.	Notes
Sun. March 16	KFM L 1390	Denver, Colorado	5,000	4:15 - 4:45	NRC-TEST
Mon. March 17	KFS C 1220	Denver, Colorado	1,000	3:30 - 4:00	NRC-TEST
Mon. April 7	W A D E 1210	Wadesboro, North Caro.	1,000	1:00 - ????	NRC-PoP

KFM L

For modulation on this test, KFML will use the programming of their all-night FM station. KFML is non-directional, and of course, there will be interfering stations on both coasts, if not also in between. KFML has no regular frequency check sked, as there is a local frequency measuring service in Denver. They will be glad to receive reports from everyone who picks them up. Send those reports to Mr. John Morrill, Operations Manager, Radio Station KFML, 290 Fillmore, Denver, Colo. 80206.

KFS C

Another Denver station is going to be testing, and this frequency should be clearer in fact, free of all North American stations! No, everybody has a really good opportunity of hearing their test broadcast. They will use Mexican-style music, with both English and Spanish IDs, so be sure not to confust them with the South American signals on the 1220 spot! Address: Mr. Andrew Noldig - Radio Station KFSC - 2185 Broadway - Denver, Colorado - 80205. Both above, info from GLENN HAUSER.

SNOW EMERGENCY

To try to get this issue released on time, we are closing out the Brooklyn end of things on Sunday, March 2. Nevertheless, we have a nice, large Musings Section for you this week. In the event of any late DX reports which will have to get into this issue to get to your attention in time, we'll phone them up to Watertown, so look elsewhere in this issue for any such late tips. Keep your Musings coming, and keep them full of DX tips day-by-day, listing the call, frequency and date/time of all catches, so they may be of more interest and possible help to others. Our limit is 30 lines, and please be so kind as to skip a line between your lines, whether you type or write or print your Musings. Please keep all un-related items out of your Musings, and remember, no verie-signers in Boston! We have a separate column for these, and please send them along with your Musings, but on a separate sheet of paper, with your name on it, and please, double space there, too. Thank you, gang!

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

Three veries, all low level. 1/3-730, HIAT-650 & HJDB-990. HIAT, R. Universal, was in excellent EE, & mentioned Cesar Objio, who called them recommending they verify my report - a million thanks to my good friend, Cesar! 2/24- Not too good a morning here. Unk WFO-1240 on top here most of the AM, rather odd. I got a report off to HJFP-1210, "La Voz Antio" in Pereira, Colombia, which is AN & was in nicely today. WINS-1010 was off, but 1000-1000, all NX, was on. Unk TTer on 1090 2:31-2:35; & OC with occasional deep TC on 1190, but no IDs heard. I heard r. Record-1000, PRB9, San Paulo, Brazil, w/ on top with bugles & Portuguese announcement, followed by the National Anthem of Brazil. This one is a toughie to verify, & no report was taken this time. 2/24- WFBX-1340 heard n/off @ 6:15pm. 3/1- Very noisy today, like summer! Up for WKBX-1340, which was heard, but not too well with all the static, no report sent. An 800-000 heard n/on around 4:30, which I think is a Venezuelan. WDOC's n/off heard nearby, but all ID, no voice. (4:45-5, 1310). Looking for WFGL-960's 5am n/on I heard broadcast on 960 n/on w/very stately grand march, then SS announcements by male & female, & mostly female vocals, unID. C U N Y

MUSINGS of the Members

March 8, 1969

LEN KRUSE - 1675 Glen Oak Street - Dubuque, Iowa - 52001

DX continues at a "fair" pace at this DX Den. The Special DX TEST on 1/31 from Station WSSA-1570 College Park, Ga. was heard for a new catch, and easily copied despite XERP's QRM. The first new logging in February was on 2/2 when WLRC-1490 Whitehall, Mich. was logged for 15 minutes of RS from 7:45-8am, before local WDBQ s/on with its RS SM programming. Station KOZA-1230 Odessa, Tex., was logged for the first time testing an AXR on 2/3 from 4:35-4:45am, using TP. Later that same afternoon another Texas station was added to mt DX Log, Station KKDA-730, Grand Prairie, w/its RS from 6:45-7pm, just recently changed from KPCN. The AN programming of Station WROL-1490 Knoxville, Tenn. was logged on 2/5, for another new logging for me. Then, on both 2/5 & 2/16 late afternoon DX CX from the South, and particularly Texas and Louisiana, were terrific! There just wan't enough time to be at all the frequencies where stations one desired to hear from these areas were coming in. Station KVPI-1050 Ville Platte, La. was logged on 2/15 with its final program of the day, signing off @ 7pm. The brand new KCAW-1510, Port Arthur, Tex. was logged with its final program on 2/16, also s/off @ 7pm. Also on 2/16 Station KOPY-1070, Alice, Tex. was heard from 7:45-8:15pm, during RS. Radio Station WTAI-1560 Eau Gallie, Fla. was logged on a test on 2/16 from 2:06-2:18am, for a new catch. Also on 2/16 I logged Station WCSL-1590 Cherryville, NC w/its RS 6-6:35am, when WGEH s/on the air; there was some WAKR interference during my listening to WCSL. My thanks to Jon Brauner for this good tip. Station KDXI-1360 Mansfield, La was logged for the first time on a f/c-TP on 2/16 from 6:15-6:30am, but QRM from ANers KRYG & WKMI. Washington's Birthday brought a brand new station on ETs, name- WAFI-1560 Middlesboro, Ky. from 12:01-12:40am on 2/22. The latest verifications received included WROL, who stamped my reception report & returned same; KDJW WXCO & KOZA. WXCO-1130 Waukan, Wis. states they will operate 24 hours a day, with a silent period of MMn, while KOZA-1230 Odessa, Tex. also states they operate 24 hours a day, w/a MM silent period. The KOZA r/c is the fourth Monday of each month from 1:10-1:50am EST. It was nice talking w/Roger Windsor of Valparaiso, Ind. on the phone the other evening.

ROGER W. WINDSOR - 7111 North Fremont Road - Valparaiso, Indiana - 46381

DX since my last report is as follows: 2/19- New WAFI-1560, Middlesboro, Ky. 1,000 P-1 on EP 12:30-12:45. Then @ 1, WTAI-1560 Wta. on for XR test to 1:04 w/nc. WABA-1560 Va. ET-rr instead of c/w, un. That PM, KFFL-600 logged on RS 5:45-6:15 WPKX take-over. MM 2/17- WBBQ-1340 r/c heard n/off @ 12:15-12:30. Unk 83-700 at Union anothering WLW, mentioned Barranquilla & also Venezuela, so I don't know if YV or ID. Dalar-764 noted @ 1:05 w/chanting. 83 on 1000 turned out to be KKKW unID, but not logged due to QRM. Dixie on 1570 over & over 12:30-1:45, then off, no ID - any help? Weak march mx on 1110 1:43-1:50. Last reception was a vocal GRB, hard to hear due to weak signal. KCIS-600 Ariz. noted @ 2:06 n/off @ KXGO WIK-1490 off, only KIP heard. WIK now off every third MM. I logged KXGO n/unk TP 2:13-2:20. Green Ontario & other instant rr turned out to be WPKX-950 @ 2:27. GIBB-630 noted @ 2:25, no maybe NSP for them too? That PM I heard an unID n/off @ 11:02, brief NA played twice, then off, carrier good, no maybe Cuban? 2/18- local WAKE off due to XR problems until 9:55am so logged much-wanted WBBQ, 3:0n, 111, 9:24-9:55. That afternoon closest unheard station WJCM-1410 Three Rivers, Mich. became heard, hi, from 3:27-3:50 on RS. 2/19- I logged WJON-860 Ky. on 2:21 6:20-6:30, then barely logged KGKO-850 Ark. u/KFUO 6:43-7 s/off. 2/20- WPEO-1090 Peoria on 12:3:35-3:55 on RS w/c/w mx. Then a great catch in KMCW-1190 Augusta, Ark. on 2:21 6:16-6:32 w/rr, only 250w against WONO. 2/21- WFIQ-1490 Manistique, Mich. on for f/c/TP 1:05-1:19 above all. KVVY-1470 r/c 1:15-1:27. WLEF-1470 unID noted on f/c 1:33-1:36 un. Veries: WJCM WJMW WKDZ WFWB WBKC WLAS WZBN WTVN WDAF WJRM. 1,400/111. 73.

March 8, 1969

KEN LYON - 5155 South Newstead - Akron, New York - 14001

I got a phone call from IRCA member Fred Osterman who says he received a sample bulletin and would like to join NRC. He says he wants to meet Ralph and the local gang. New DX this week: 2/17- WAFI-1560 Middlesboro, Ky. heard w/ET-c/w mx 12:46-12:55am, new station not on the air yet, WDIC-1430 r/c-TT 1:20-1:35am, WBSM-1420 in L&C @ 2:05am w/WHK off, WKIX-850 in L&C @ 2:24-2:30 w/ET/mx. 2/18- WABH-1150 @ 12:17-12:28am w/r/c-TT, only earlier than listed in NRC f/c List. WAHT-1510 12:45-1 f/c not listed, WLOV-1370 w/f/c-mx, heavy QRM from WFEA/WSPD, WVNA-1590 at 1:16-1:26 w/r/c-mx o/u WAKR. Recent veries include WHRY WWBZ WCOY WBBR WJOY WEEP & WBCA. Tests for this MM look good - hope I stay awake to hear them. C U later.

RUSS EDMUNDS - Box 291 - Hawthorne, New Jersey - 07507

2/20 brought the discovery that the idiot who tried to get the images out of my HQ-100 left the tube out of the external Q-Multiplier. After replacing, I finally logged WJR & WBBM. At SSS, 9:04 WSWF-1110 u/WNAR; 9:07, WHIM u/WSPF 5:24, WPAQ-740, when somebody at WGSW accidentally flipped the XR off. 5:56, WINZ-940. 6, WFNC-940. 10:05pm, WBAA-920 w/mentions of Purdue. These last three also thanks to that tube in the Q-Mult. 10:08- CHWX-980 w/rr & CBC EE mx. 2/23- Logged several semi-locals, most notably WXUR-690 WVCH-740 WBOK/WRTV-1390. WKDR-1070 @ 4:20 o/random images! pest CHSJ-1150 in by 4:30 already; WENR-1260 @ 4:35; WELV-1370 o/u WALK @ 4:50; WBIS/WCDL-1440 o/WIAB 4:57-5:05; CHLN-550 w/Canadiens Hockey @ 8:20pm. Then on 1150, an unID jazz program o/u CKOC @ 8:42; WDEL @ 8:47, WCOP @ 8:53 (it faded here, so this might be it). 9:05-9:15, WRUN-1150 w/Hour of Decision 9:17 WILK/WTRY-980; 9:24 WWJ-950 w/hockey; unID jazz here too u/WWJ & a religious program which I think was WPEN. 9:37, CKWI-960. DKK, when is ERBA having a bash near enough for us EC honorary members to attend? We ain't rich like Seaver & Northam who can fly coast to coast almost daily. 2/24- 5:16, CJSS-1220 u/WCDQ/WGNY/WGAR; WPII-730 @ 5:40; WAFB-900 @ 5:45; WAWZ-1380 @ 6:10, & yoihs what a weak 5kw! Must be their weird pattern. 6:35, WAMS-1380; 6:54, WIVR-1380; 7:05 CFDA-1380 w/u rr & FF talk, many IDs. 9:23 (after break for Laugh-In) a real surprise in TIOS-825, R. Titania, several clear IDs. 9:35, WVNF-1035 in very well, perhaps on the high side of the frequency; 9:40, unID w/symphony on 960; 9:55, random Cuban on 1210 u/WCAU; 10:05 a real goodie in WAKI-1230 w/two clear IDs during a WFAS fade, probably my best graveyarder yet here. 10:08-10:13, ZEM1-1235 for report, this verified in Syracuse. 10:25, Roger Winsor's unID 1155. I too suspect HJAZ back here from 1160. 10:57, after many hours, thanks mostly to ERC for his suggestions, YVQO, Ondas Portenas, Puerto La Cruz on 640 u/CMQ. I've been working on this one for about three months. CMQ had lots of carrier, but real weak audio. I suspect every station at one time or another has verified. This depends on ownership, personnel, etc. Blacklists add to the problem as continuing reports gives a reasonable chance of policy change. Why risk ignoring a write from a good catch because they haven't verified recently? You could be the first! 73.

DAVE ROYS - 7 Iler Drive - Middletown, New Jersey - 07748

Hi, NRC lovers! The 2/22 confab was great, with 16 genuine local DXers present. Also, a special high-level meeting was held - on the ROOF! Some of my antennae had succumbed to the recent storm, so they were put up again & re-inforced. The confab was heightened by a call from none other than Len Lockwood, all the way from Olympia, Wash. Sorry more guys weren't here when he called. The next time, maybe some of youse guys could plan on staying a little longer. Some did stay for the AN DX party but ye host, being used to a day aked, crapped out @ 3am. CX were pretty good MM 2/24 with many TAs & my friend on 1546 w/a Slavic tongue. Male voice heard 2-2:05, then cl mx till fadeout @ 2:15. Help on this one, please! Would anyone be interested in some 100 strand 14ga wire? If we could get enough orders, we could order some from Consolidated Wire (minimum order ten lbs.). It would be expensive, but in this day of ANS & QRM we need every technical advantage we can get. They can make any kind of jitz wire we want. For ten orders of 1 lb. each I could write for prices. The more orders, the cheaper. The next get-together will probably have a host and HOSTESS as there will soon be a Mrs. David E. Roys! 73 & 10.

March 8, 1969

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

Not only is the Post Office slow in delivering mail, it is apparent to me that in some cases they don't deliver it AT ALL! I know I sent a Musing in January that never made the DX NEWS. So I have some catching up to do. On 1/4, WTEY-1590 Conn. RS @ 12:05-12:15am s/off. Then on 1/15 I had just about the best TA night in my ten years of DXing. I heard all the regulars & also added two new ones in Saarbruecken, West Germany on 1421 RS @ 1:10am. Then @ 1:35 I was on 1286 with Prague, for my 60th country. They faded out @ 1:45am. 1/27- WJRD-1150 testing @ 2:15. On 2/1 WKGX-1080 f/cing @ 2:09am. 2/11 saw WBKC-1560 ETing @ 3am. 2/14, I caught WCDQ-1220 s/on @ 6:46am, & on the 15th, WAFI-1560 the new Middlesboro Ky. outlet testing @ 12:20. In the varied column I received WBKC WKGX WJRD WPNO WITZE KIPW WUOK WHHO CBA WONY Belize-830 Prague-1286. Totals here read 2,455/2,313. I also want to thank the members who answered my questions previously listed. I have only one complaint about the new DX NEWS. I used to separate the various sections and file according to IDXD, DXDD, & Musings. Now with it in booklet format this is impossible. Other than that the new format is great. The Storm that inundated the NE part of the country, left its mark here. The high winds tore my Loop from the bargeboard and window frame moorings. Luckily it flopped over on the rooftop and did no damage. Does anyone have a plan for the two-foot loop? I think I'll build one of them and use it down in my shack as this was the third time my rooftop loop fell. Best of DX to all. 73.

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

To date, two more verifications: v/f WBBR SC & v/1 from CKRB-DX of 3/68. I imagine others who heard the latter should be getting veries soon. Latest DX is all foreign. 2/19- WBS-695 2:05am weak w/cricket game, first time for me. UnID Colombian-810 7pm ending NX. I'm unsure if it is the one which used to be on 812. 2/24 brought best TA reception in years w/several good low band openings, and some high banders slightly on the weak side. BBC-1088 @ 1:50am; beautiful copy on RNE-773 1:55-2:30am; BBC-881 likewise 2:15-2:33am; & CHRO-740 @ 2:05 in what sounded like FF until WHIM KOed it w/an OC. Good tapes on the last three. Surprisingly the IUWD Geonert Forecast had "Stratwarn" over Iceland; and two days previously the forecast was over the Norwegian Sea. This abbreviated forecast comes over the WX Bureau teletype circuit and can be used (with reservations) as an indicator for CX. "Stratwarn" refers to a large, significant WX front, of some international interest. It may possibly have some effect on long distance reception. This also forecasts "Magstorm" meaning magnetic storm, and also "blackouts." Anyone wishing to check his local WX Bureau, refer to IUWD on Teletype "Service 11." It comes over the wire at approximately 11pm, EST. I will have something soon on the IARC polar activity forecast, another daily teletype service. The primary usefulness of IUWD is the daily check for magnetic activity with the key words "magnetum" & "holterwarn".

FISH - 810 Oldfather, NU - Lincoln, Nebraska - 68508

I have NSP line noise, kills all BCB! So I will say NRC DX NEWS excellent here, & hope to support DX NEWS columns more regularly as soon as I get this line noise cured! Please consider these items for sale as they are around here unused & gathering dust! Philco 12 transistor AM/FM portable - a beaut! Arvin 1 1/2" @ 3 3/4 ips two track battery-operated portable tape recorder, Alva 1100, two tracks, 3 3/4 ips battery-operated portable tape recorder, all as new! Also Elco 4" x 5" scope, 14 three-ring notebooks, 260 manila folders (for 8 1/2 x 11 paper), LW antenna coupler, earphones, speakers, RG-58/u coax, RG-59/u coax, telephone cable, etc.

PETER A. CLARIUS - 1583 Castleton Avenue - Staten Island, New York - 10310

First of all I want to say the format of the bulletin is great, & congratulations to all those responsible. I sure had a great time last Labor Day at Boston & thanks to all who had a hand in it. Many thanks to Dave Roys for such a nice time on Sat. 2/22. Glad to hear Bernie Duffy & I have another DXer now on ST, namely Richard Richmond. New catches this year have been WBBM WBOY WRQW WPHY (cont)

March 8, 1969

(Pete Clarius) CKEC & WLAS with only CKEC verified. Log is now 1,665, with 1,410 verified. I had a nice chat with John Tweedie & enjoyed looking over his wonderful collection of veries at Dave Roys'. What kind of a bunch of babies do you have delivering the mail in Brooklyn? Here on Staten Island there was mail delivered that Monday of the big storm. (He's no baby, Pete - he's a sissy! -ERC) Thanks again for a good job well done and keep up the good work.

JEFF KADET - 8047 Park Overlook Drive - Bethesda, Maryland - 20034
Veries: v/f- WOKZ. v/1- KOKA WCIR KSKY KSIK WSLV WCSV WLOA WPLB. v/q- WKTE. v/r- WONI WMLT. DX: 2/10- WCIR-1060 briefly u/KYW @ 5:45pm. 2/11- WTAI-1560 6:15pm s/off I&C for domestic #25 on 1560. Also WOKZ-1570 6:45 s/off in the QRM & sent a tape w/report. WCIR also in again & copied enough to add to yesterday's for a report. WOKZ was #35 on the frequency. On 2/12 another 1570 Ill. in WTAY 6:03-6:18pm a bit weaker than WOKZ. 2/13- WQBA-1140 o/u WRVA 6:01-6:15pm. Aurora today was about the strongest every heard making domestic DXing virtually impossible w/all the hets. The graveyards were full of southern stations all evening long though, but the only new one I could pick out was WMJM-1490 7:55-8pm. I got an interesting unID s/off on 1530 @ 7:15 which must have been a dandy. Only QRM was from a Mexican, but they were both extremely weak & although I played back a tape of their s/off countlrs times, nothing meaningful could be read. I put it somewhere in a line from mid-Texas to E Montana. 2/15- WAOA-1520 o/u WSIW 6:18-6:28pm s/off & WFMI-1000 6:30 s/off were new. 2/16- WCOX-1540 in well but briefly 6:17pm. From 6:48-7pm local WINX-1600 was off & I nabbed WFRC for a new one. It's kind of tough they weren't off just an hour earlier. On 2/17 three new ones; brand new WAFI-1560 Middlesboro, Ky. ET/mx 12:14-12:25am I&C & at SSS, WPTC-790 5:50-5:53 & still another 1500er, WMMG 6:01-6:07. 2/19- WAEW-1330 ET/mx 1:46-1:57 w/IDs every 3-5 minutes. WKBJ-1600 r/c 2:02. At SSS, two new SC stations in WQIZ-810 5:48 & off & WVAP-1510 6:07. I also sent reports to KLLA & KIXZ RG. Jerry Starr: Your unID f/c on 1450 2/3 was WWXL. Phone # here is 469-7921 and we're always happy to hear from any DXers in the area. 73. (Letter coming soon, jeff - ERC)

MARTIN BLUMENTHAL - 10 Otter Street - Worcester, Massachusetts - 01604
16" of snow fell on 2/4, each. Best news here is I finally have a loop, 3 1/2'. Specs came from a copy of DX Horizons, which some of you old fogies may recall. (Before my time -ERC) Happiness is being able to loop out such pests as WHYN-560 CKAC-730 & WXYZ-1270 among others. DX: 2/18- WEEL-860 TT w/ID @ 1:28am. SSS, unID w/MOR u/CBF/WAPE-690 @ 1:11pm, maybe rarely heard WADS. WJSM s/off in mess @ 5:31. WJWK "Radio Swell" w/line @ 5:35pm. What is so rare as a station from Delaware, hi. Finally I found out what my unID-1560 was on 2/17. I thought it might be WKDO ETing w/mention of Middlesboro, Ky. Same station heard 2/22 w/ET @ 12:32am giving call as WANI. Watch for this one. 2/24 saw first DX w/loop & it was a good session. Weak mx behind WHL & a TT on 1420 @ 1:10am, no ID caught, WAVO? KHEY-690 r/c u/Cuban, unable to copy but they didn't verify my last report in Dec. Do they verify? KCMC/KPOK-1000 loop @ 2:15. KNX-1070 S-7 @ 2:30 w/BKB. KEGS-1020 rather weak @ 2:37 w/a local SC looped. KPRC w/c/w w/KIMN-950 looped @ 2:47. Another s/w there very strong, a tester, I think, but no IDs. TAs also in this date for first time in almost three weeks. Tirana-1394 local-like at 1:30. BEC-1088 easy copy for a report @ 1:40. Fair signals from Belgium-962, BEC-881 & Holland-746, & a trace of Algeria-940. 2/25, up for listed WLIK-1270 r/c, but they didn't show. I did get CJCB @ 1:43 w/WHK looped. Veries are from WKBX WAGL WBBR WLBR & WYIK. It was great to see two in a row with v/s lists. I did a little research & the results are sickening! Since 4/68 a total of 44 members have contributed to the v/s lists. Of these, only 19 have contributed at least twice, & get this, only EIGHT have sent in v/s lists at least three times or more! Eight, out of o/400 members! What's a matter with you people? Is it too much trouble to jot down the names of your v/s and send them to ERC? A Club like ours is built up on co-operation - let's see some! (I'll drink to that! -ERC)
AS THEY SAY IN FAIRFIELD, IOWA, "KMO." "JERRY MUSINGS GRABBED with DX!"

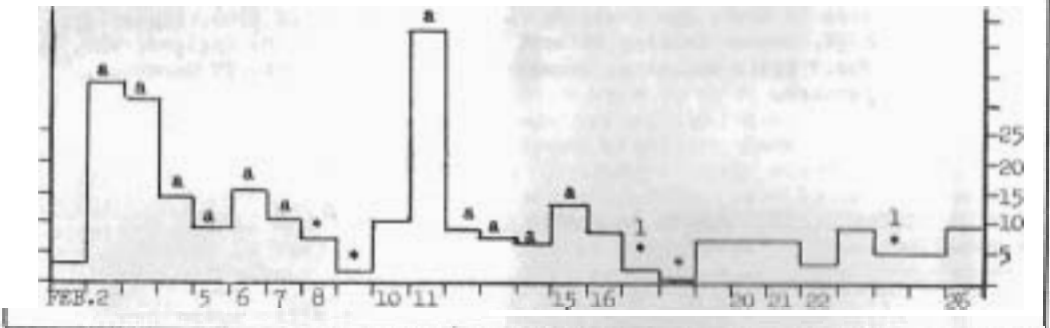
INTERNATIONAL DX Digest



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

DX conditions here in the Northeast have been only fair in general following the very unusual TA conditions on 2/24. Commoner TA's from South and Central Europe and North Africa are being heard nightly with fairly good signals, especially at the top of the band. Last high latitude reception noted here 2/24 and that was a very odd night indeed. TA's from as far North as Norway and Sweden were audible that night, as well as most of the regular Europeans; most TA channels contained a jumble of audios from several stations. Reception from the South and West was quite poor and we could find no traces of the Asian high-latitude signals such as Pyongyang-655, Siberia-1475, etc. Here in Massachusetts, Curt Engberg says, "Excellent TA's noted 2/24 after a long dry spell." Foxy, totally surrounded by skyscrapers on Manhattan, reported that 2/24 must have been a "special morning" as he'd gotten the first good audio out of the BBC since he'd moved to NYC. Wood, on Hawaii, makes some very interesting comments about that morning: "2/24 the most highly directional night I have ever experienced. Not a single station outside North America noted; not one Pacific Island, DU, or Asia; extreme directivity to N and NE; operating some 8 miles from transmitter sites of Honolulu locals well below average, easily nulled signals; e.g., CFUN-1410 better than KCCN-1420; KHVH suffering badly from WHO. Alaska excellent, new KSRM logged; New York state logged for first time (WHAM, WQXR). Canadians all over the dial. Most westerly station logged, KICY. The exact opposite of auroral conditions; what name could we give to such a phenomenon?" I suggest we resist the temptation to give it a name until we find out if it's a stable and repeated pattern, Richard. It might just be a fortuitous combination of sporadic E & good high latitude conditions. Later in the week Richard penned, "The total lack of southern hemisphere stations on 2/24 continued throughout 2/25-2/28. However the strong directionality to N. America, with fine Alaskan and E. Coast loggings, was lost, with no Alaska and nothing east of Kentucky. Prairie Provinces poorer but U.S. midwest still good. Only Pacific station still just weak Majuro-1439, but Asia as far as Cambodia now noted, though not at great strength and with late fade-in. On the whole, rather dull cx."

Geomagnetic activity and auroral zone absorption continue to decline; the last significant auroral storm occurred on 2/11. The chance of significant TA and TP openings will continue to increase as long as we experience no more large geomagnetic/auroral disturbances. The following graph is of the planetary Δ index of auroral and geomagnetic disturbance. Values of Δ greater than about 20 indicate significant high latitude absorption; recovery takes from 5 to 10 days depending upon the severity of the disturbance.





IDXD Monitor Reports

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

*BRITISH VIRGIN ISLANDS. ZBVI has been operating with 10 kw into a 300' tower since "late January" according to a QSL just received. Engineer N.T. Jobz says he's received reports from Connecticut and California as well. Operation of the 10 kw rig had to wait until the local power company could supply them with that much power. Now a very good bet at their MM s/on! (Ed)

*INDIA. A new 100 kw transmitter began operation at Dibrugarh on 2/15; frequency is 570. According to the Governor of Assam and Nagaland, "more powerful transmitters are required in the sensitive border regions." (Ed)

*MALAYSIA. 3 new 50 kw stations will begin operation from Johore Bahru this year; all on MW. (ARC)

*MASIRAH ISLAND (OMAN). The latest BBC schedule has two columns for the new relay station and a BBC representative "thinks" that the 2 new 750 kw transmitters will not be in parallel. This station, while relaying the BBC, will be operated by the Diplomatic Wireless Service (as is the Cyprus relay, and as was the Botswana relay - Ed). The station is powered by a 6 megawatt generator which also serves as a desalination plant; DWS is having trouble finding people to work at the new station because Masarah Island is extremely hot and desolate. (ARC & Ed)

*HUNGARY. According to a reliable source in Eastern Europe, the station relaying the Mayak program on 1439 is a Soviet Armed Forces Radio Station based in Hungary. DF from Sweden confirms this information. This station is audible during the day in Monza, Italy; however, it is inaudible at the same time in Wittsmoor, West Germany. This is consistent with a Hungarian location also. (Ed)

*RHODESIA. Back on 998 testing with 100 kw for English language commercial service. (ARC)

*TURKEY. A station has been in operation from Trabzon, in Northern Turkey, for some time now on 1484 2000-1500. Power unknown but probably low as this is a European Zone graveyard channel. (ARC)

*CANAL ZONE. According to Glenn Hauser's friend stationed in the C.Z., AFRTS here announces as "SCN" and not "FCN". Reports of "FCN" ID's have appeared rather often during the past few years, though; perhaps they carry some programming from the Armed Forces Caribbean Network in the middle of the night? My tape sounds a lot more like "F" than "S" but it's impossible to be absolutely certain which it is. (Ed)

Abbreviations used for sources in this section: ARC, Arctic Radio Club, Sweden; ARDXC, Australian Radio DX Club, Australia; BDXC, Benelux DX Club, Holland; EBU, European Broadcasting Union, Belgium; FBIS, Foreign Broadcast Information Service, Washington; MWN, Medium Wave News, England; NNRC, Newark News Radio Club, New Jersey; NASWA, North American SW Association, Pa.; NZDXRA, New Zealand Radio DX Assoc.; NZDXRL, New Zealand DX Radio League; RNYWW, Radio New York World-wide DX Club, New York; SADXC, South African DX Club, Kimberley; SCDX, Sweden Calling DX'ers; WDXC, World DX Club, England; WRB, World Radio Bulletin, Denmark; WRTVH, World Radio TV Handbook, Denmark.

It's fun to be number one, NRC CPC!

Monitor Reports-Telephone Tip No. 212-582-0844. All Times are E.S.T.

- 555 Nicaragua. R. Tic-Tac, YNG Chinandega hrd 2208 2/16. (Raczko)
- 584 Spain/unID. On 2/17, RNE poor at 0219 and second stn. also there but far too weak for audio. Think this is Faroe Islands which I've never been able to pull audio from due to RNE. Still trying. (Nelson)
- 640 Guatemala. TGV briefly o/GMQ at 2233 2/12. La Voz de Guat. (Raczko)
- 640 Venezuela. Ondas Portenas, YVQO finally hrd with ID 2257 2/24, u/CMQ as per ERC's suggestion re my previous unID. (Edmunds, N.J.)
- 640 Canada. CBN has had a strong period lately, Hrd good often at 1900. (Bengt Ericson, Sweden)
- 647 England. BBC alone here 0220 2/17; soft instr'l mx. (Nelson, Mass)
- 650 Hawaii/Cuba. KORL with good, listenable signal 0401 1/27 but at 0415 hrd only R. Liberación, CMKU Santiago. (Raczko, Ohio)
- 660 Colombia/Mexico. HJJM strong at 0230 2/17 but sudden s/off 0233 after very hurried s/off ancts. by a man. Carrier cut immediately, leaving XERPMM alone on the channel. (Nelson, Mass.)
- 695 Dominica. W.I.B.S. weak w/Cricket, 0205 2/19. (Kilroy, D.C.)
- 700 Nicaragua. YNSC on top w/R. Centauro ID 0005 2/13; Managua. (EMberg)
- ** 701 Andorra. Recent item about Angola is wrong; it is Radio Andorra with nightly tests in EE and announcing addresses. They were to have had a program from ex-Radio Caroline on the night of March 1. (Ericson, Sw) (Must be the one x-719 and obviously this is the stn. Would not expect to hear Angola in other than Portuguese altho in this day of super-power broadcasting on an international scale, nothing is a surprise anymore. Ed.)
- ** 725 Guatemala. TGN, Guatemala City hrd on this freq. on 2/20 and logged in EE from 2310 to 2331 s/off. Very strong and only slight QRM from TILX. Freq. possibly a little low; couldn't tell for sure. (Alan Merriman, Va.) (Could be confusing with SRS on this freq., too. Ed.)
- 730 Trinidad. Radio Trinidad hrd 0415-0445 MM 2/17 with some kind of a carnival celebration, like Mardi Gras, with music and crowds in the streets, all described by remote reporters, all in EE. (Eaves, Houston)
- 750 Colombia/Jamaica. Hrd strong Caracol ID under Jamaica's noisy open carrier 0318 2/17, assume this is HJDK. Make KFD and JOIB a bit of a challenge from here. (Admiral Nelson, Mass.)
- ** 760a Dom. Rep. Radio Pueblo HIBL, Santo Domingo now between 755 and 760 kc. or at least was here for a few days (before 2/24. Ed.) but it seems they moved without authorization of the Dirección General de Telecomunicaciones and were ordered to return to their usual frequency (1530) since this freq. has already been assigned to somebody else. Then the station left the air and I haven't been able to find out about the matter. (Objio, D.R.)
- 764 unID. African. Weak carrier noted here on 2/16 after Dakar's regular 1900 s/off; too much WABC splash for any audio at all. Very positive DF for either South or West Africa (collinear from Boston) and it could have been Dakar with an EC using greatly reduced power, altho I've never noted them doing so in the past. (Nor I. Ed.) Both SABC and Malawi are listed on 764 and are in the DF error brackets, altho neither is sked to be on at this hour. Botswana, Odessa and Khartoum all definitely eliminated by DF. Hrd this night only. Who? (Nelson, Mass.) (I'd guess either SABC or Malawi on an AN sked for some reason and phone calls to Embassy Row may solve the problem...Ed.)

- 770 Colombia. Radio Tequendama, HJKH Bogotá hrd for the first time ID-ing at 2303 thru QRM, playing pop mx. (Objio, Dom. Rep.)
- 773 Spain. RNE San Sebastian at 0155-0230 2/24, excellent with music and news. (Kilroy, D.C.)
- 780 Br. Virgin Islands. ZBVI quite loud on 2/24 from 0525 tune-in; I did not hear their s/on although I was on 780 around 0455-0510. (Millar, Wash. state)
- 780 Colombia. HJCG Cali on top at 2300 2/8. (Curt Engberg, Mass.)
- 782 Portugal. CSB-9 at 0205 2/24 with what sounded like a drama, was soon blitzed by WBBM TT. (Kilroy, D.C.) Burg was fair in GG under a very strong and dominant CSB-9 at 2058 2/16, good hard rock mx from Porto. (Admiral Nelson, Mass.)
- 800 Mexico. Record Roost in EE from XELO 0248 ~~MM~~ 2/24. (Eaves, Tex.) (So now they've a captive audience...at least the DXers will tune in...)
- 825 Costa Rica. TIOS R. Titania easily separable with good signal and several clear IDs, 2112-2129 2/24. Country #15. (Edmunds, N.J.)
- 854 Perú. Radio Nac. del Perú good signals 2210 2/12. (Raczko, Ohio)
- 856 unID. Hrd same time as 854. Was SS and too weak for an ID but was not PJC-2 as they had already s/off at 2200. (Raczko) (Maybe TGX? -Ed.)
- 880 Guatemala. TGJ excellent at 2030 2/16 splitting WWL/WLS. (Eaves, Tex.)
- 881 England. BBC Radio-4 with commentary 0215-0233 2/24. (Kilroy, D.C.)
- 905 El Salvador. YSQJ, Radiopolis hrd w/very good signal 2215 2/12 (Racz.)
- 920 Midway Islands. KMTX ID and opening of news at 0428 2/10, signal weak and in ever so briefly, but tape sent. (Millar, Everett, Wash.)
- 920 Alaska. KSRM, Soldotna in nicely for ID 0300 2/24 for my 5th, from Alaska. (Richard Wood, Hawaii)
- ** 944 Syria + others. Damascus hrd with good strength in FF 1445 2/25 and played some Arabic mx. QRM hrd from France and USSR, but there is another extra station under these three. (Ericson, Sweden)
- 970 Mexico. unID signal but definitely an XE-- hrd 2035-2100 2/16 and many IDs sung by a group of male singers: "Radio Gondido" or similar. Played much rock mx. (Raczko, Ohio) (R. Cardezo, XEO; see 2/22 IDXD-Ed)
- 989 Berlin/Spain. Jumbled mixture of audios from RIAS and RNE-Madrid at 0101 2/16, also a high-pitched warble which was probably a jammer for RIAS. RIAS was generally stronger. (Adm. Nelson, Mass.)
- 1030 Mexico/unID LA. XEQR audible nightly after about 2200 with frequent "Radio Centro" IDs; second weak SS under them may be the Argentine. WBZ totally nulled out with new altazimuth loop. (Nelson, Mass.... in WBZ's primary coverage contour.)
- 1030+ Colombia. HJDJ, La Voz de los Libertadores, Duitama audible some nights around 2200. Med 1030.82 kHz and easily split off from WBZ/XEQR. Freq varies quite a bit and often of no more than a low-pitch het against WBZ/XEQR. (Nelson, Mass.)
- 1035 unID. SS hrd over 4VEF at 2005 2/16 but soon lost under 4VEF. Was on Caracol net, so was Colombian and ID sounded like "Radio Eee-oon" Who? (Raczko, Ohio) (Have a tape? I find no concrete leads. HJDJ???)
- 1040 Puerto Rico. AFRTS Caribbean Network, location unknown, logged with weak signal 2300 2/14 with newscast and AFCN ID. Bad QRM from WHO; seems to be a bit off freq along with some other LA's also here. Was formerly on 1200/1197 kHz; power was only 50 watts back there and it doesn't seem to have been boosted much. (Nelson, Mass.) (Moved on account of WBMJ-1190 opening. Has anyone in NA heard WBMJ by the way?)
- 1040 Colombia. HJFV Barranquilla Caracol at 2358 2/7. (Engberg, Mass.)
- 1070 Puerto Rico. WMIA Arecibo hrd at 0445 1/27. (Raczko, Ohio.)

CPC is good for your klarr!

- 1088 England. BBC very strong and clear 0058 2/17, all alone on the channel, and too late for Nigeria. (Gordon Nelson, Mass.)
BBC just readable due to QRM 0150 2/24. (Kilroy, D.C.)
- 1090 Colombia. Bad jumble hrd here AN 2/17, Caracol ID hrd again at 0330 but still no station ID. Who is this? (G. Nelson, Mass.)
HJBC, L. V. de Cúcuta with good signal 0430 1/27. (Raczko, Ohio)
- 1097 Spain. This channel is a real mess, there's at least 5 TA's detectable here and all are a bit off frequency so the resulting buzz is really rough. Taped a good "La Voz de Madrid" ID atop the channel at 0151, that'll be EFE-14. A strong carrier came on at 0154, even farther off freq. than most of the others, and DF indicates that it was probably the Canary Islands outlet sked to s/on at 0155, but no audio due to EFE-14 and the hets from the other carriers. Hrd 2/17. (Gordon Nelson, Mass.)
- 1100 Colombia. HJAT, "Radio Reloj en Barranquilla" good with ID and TC's 0120 2/9; also many Caracol net ID's. (Nelson)
- 1106 Germany/unID. AFN hrd strong with AFRTS newscast 0105 2/17, second audio underneath was also a TA, but AFN too strong to ID the language; probably Spain. (Nelson) (When in Bavaria I used to null out AFN with a ferrite-loopstick DF and listen to Vilnius who were extremely loud there. However no one over here hardly ever reports it.)
- 1151 England. BBC very high with newscast 0107; no interference 2/17. (AN)
- 1155 Colombia. Presume it was HJAZ hrd 2224-2240 2/24 and suspect this is also Winsor's unID of 2/6. Was kinda weak. (Edmunds, N.J.)
- 1160 France. ORTF Strasbourg very high in FF 0110-0120 2/17 with KSL nulled away. This one not usually heard here. (Adm. Nelson, Mass.)
- 1160 Colombia. El Mundo en Bogotá HJCK hrd with beautiful signal and ID at 2226 2/12. (Raczko, Ohio)
- 1178 Sweden/Spain. Hoerby dominating the channel 0121-0127 in Swedish, organ mx., etc. RNE-Barcelona (Radio Peninsular) was audible in the background but a poor second to the Swede. (Nelson, Mass.) Was 2/17.
- 1196 Germany. VoA EE news up to fair level 0128 2/17. (Nelson)
- 1205 France/Sierra Leone. ORTF Bordeaux and Freetown were even level and separable by loop 0130 2/17. (Nelson)
- 1210 Cuba. Hrd ERC's Radio Reloj outlet here u/WCAU 2155 2/24 with mention of Cuba, Fidel and revolution in every other sentence. (Edmunds) (Ernie'd be pretty upset if he that we gave it to him, hi -Ed.)
- 1214 England. Radio One like a local 0130 2/17; Noel Harrison record. (A.N.)
- 1223 Spain/unID. RNE atop the channel with net ID (RNE) at 0132 2/17, the second station underneath was prpbably the Swede but not enough to ID the language.
- 1235 Bermuda. ZBM-1 Hamilton hrd for a report 2208-2223 2/24 and was easily separable from the mess on either side. Country #17. (Edmunds, NJ)
- 1241 France. ORTF Synchro net at fair level in FF 0134 2/17. (Adm. Nelson)
- 1268 Germany. New log here 0050 2/24 with ancts in GO and mx. (Engberg, Ma.)
- 1277 France. ORTF very strong in FF at 0140 2/17, strongest ORTF hrd this morning. (Nelson)
- 1292 Colombia? HJEC assumed to be the SS AN at high level 2/17, didn't stay for an ID but sounded like HJEC. This channel is a bit tricky with CMKF wandering around here too, so be careful with IDs. (Nelson)
- 1295 England/?? BBC good in FF lang. 0142, English BBC mx 0202 and off at 0230. Very weak carrier DFing Europe noted around 0245, hrd a man talking but too weak to even ID language. Hopefully is Foxdale, Radio Manx and worth watching further. On 2/17. (Nelson, Mass.)

You are reading the most complete Foreign BCB DX Info available today

- ** 1310 Colombia. La Voz de la Patria, HJAQ Barranquilla now on this freq ex-1315, hrd 2/22, belongs to Cadena Radial Independiente. (Objio)
 - 1313 Norway/Spain. Stavanger only poor to fair 0144-0148 217 with RNE Zaragoza audible at times but generally pretty weak. (Nelson, Mass)
 - ** 1320 Dom. Rep. HIKQ, Radio Radio, Santo Domingo here ex-1300, 2/22(Objio)
 - ** 1360 Dom. Rep. HIMG, Radio Rutas, new station on the air. Address: Avenida 24 de Abril 128, La Romana. Operates 0600-2300 with 1 kW. (César Objio, D.R.)
 - 1375 Costa Rica. TIMAR, R. Monumental, Limón heard for the first time with sport news at 1900 2/22. (Objio, D.R.)
 - 1393 Colombia. La Voz de Cereté, HJTJ, Cereté hrd with ID here at 1906 2/22 with pop Colombian mx. (Objio, D.R.)
 - 1395 Ecuador. Stn hrd here very weak and supposed to be La Voz de Esmeraldas. La Voz de Cereté was too close and strong and they could not be looped out because they were in the same direction. A very long time spent listening. At 2005 they read an editorial from the newspaper "El Telégrafo" and there is a paper with that name in Guayaquil. ID (at last) at 2009 "Radio La Voz de Esmeraldas" then continued with pop mx. HCVE-4. (Objio, Dom. Rep.)
 - 1450 Mexico. XESS, Radio Fiesta, Ensenada, B.C. with very frequent IDs as Radio Fiesta but none with call letters. Plenty of local spots with mainly tropical (Cuban, Dominican, Venezuelan) music. Hrd 0030 2/24. Had fine signal for 250 watts. Add this name; unlisted in any source I have. (Wood, Hawaii)
 - 1495 unID. Station heard with Ecuadorian mx and looped in that direction but name could be something like "Radio Guaray" or "Radio Guarari" but not "Guayaquil." Name not understood despite many IDs after every record. Signals were too weak. Will check again. (Objio, DR)
 - ** 1573 Colombia. La Voz del Banco, HJLC, El Banco heard for the first time, ID at 1700 2/22. (Objio, D.R.)
- verifications-----
- 620 AUSTRALIA. 3AR, Melbourne, Vic. sent usual attractive map card, all details included, no signer. (Wood, Hawaii)
 - 720 HAWAII. KUAJ Elele sent QSL card verifying reception during SLC. (Millar, Wash. state)
 - 920 MIDWAY ISLANDS. Lengthy personal letter from Robert H. Wilson to verify reception of 2/9 their time; no indication of power. (Millar, Wash. state)

Phone call with Dave Roys says he has heard his 1546 mystery again, and is just about positive it is the Ukrainian there, so that's one less mystery. César Objio writes, "I forgot all about those unIDs in 2/15 MR (715-1065-1090-1460) so will have to check next time." From across the Atlantic, this word from Bengt Ericson, "I have read about your snowblizzard. Tough things. We have now 1/2-meter of snow and -10° Celsius. (=14 above, Fahrenheit, if my math is OK-Ed.) Spring is far away. I have bought a new rx - an Eddystone 680X. Real cute thing." Curt Engberg says, "Excellent TA's noted 2/24 after a long dry spell" and it looks as if 2/24 was a top-notch reception date worldwide. From John Javetski comes this testimonial, hi: "...I've only recently begun to realize the thrill of Foreign DXing and the capabilities of my rx..I'm ashamed I waited so long..." (John uses a Lafayette HA-700, by the way.) Hank Wilkin-son in Calif said in his recent report, "...so nice to get the above stations on loudspeaker volume which is becoming more rare each year...when I think back to the early 30's..." and this brings up the question of whether it isn't more fun if it's a little harder, even if it's more frustrating at the same time. See You next week.

DOMESTIC DX Digest

Randall Kane
37 Myrtle Ave.
Winthrop, Mass 02152



domestic contest standings

Don Kaskey, Hotel El Rancho, PO Box 235, West Sacramento, Cal 95691.				
1	Stewart Drake, Pa	607	19 Duane Giese, Mo	281
2	Frank Waldron, NJ	508	20 Richard Eddie, Mo	280
3	Bob Shaw, Ohio	486	21 Frank Wheeler, Pa	262
4	Bill Nittler, Colo	475	22 Gene Mattocks, Cal	250
5	John Javetski, NY	452	23 Wayne Heinen, NY	241
6	Dave Fischer, Neb	427	24 John Gifford, Ill	229
7	Don Kaskey, Cal	410	25 Jerry Conrad, Fla	223
8	Dave Carlson, Mo	402	26 Chuck Hutton, Ga	204
9	Joe Fela, NJ	386	27 Walter LaRoche, Pa	191
10	Randy Kane, Mass	361	28 Fr. Jack Pejza, Cal	177
11	Marc DeLorenzo, Mass	355	29 Dave Prather, Cal	159
12	Clarence Freeman, Cal	332	30 Fred Nordquist, NY	152
	David Kulka, Cal	332	31 Dennis Vroom, Cal	137
	Dave Allaway, NY	324	32 Bob Pietsch, Cal	127
13	Glenn Hauser, Colo	323	33 Larry Van Horn, Tex	116
14	George Sherman, Minn	320	34 Paul Kilroy, DC	104
15	Don Erickson, Cal	320	35 Bill Ochs, Mo	38
16	Mike Northam, Oreg	316	36 Bill Blook, Oreg	0
17	Ken Lyon, NY	302	Lynn Brooks, Okla	0
18	Gene DeLorenzo, Mass	293	Bob Jacoby, Cal	0
NEW MEMBERS HAVE ONE MONTH TO ENTER!			Robert Schneider, Wis	0

Criteria for DDXD reports, a brief rehash of the 1/11 Editorial. Dead-line at present is Monday mail, phone tips at 617-846-3021 (an unlisted number) up to about 1600 EST Monday. Selective editing will be enforced only if made necessary by time or space limitations. Contributions need not be sorted, but please include the frequency, call, state, date & time in EST of each item. Priority (always open to comment):
1- Changes in NRC Log, F/c List, CoF List, station change/CP info;
2- What you consider your best, non-routine, or unusual DX (please mark tips as such); 3- Graveyard DX; 4- One-time ETAs; 5- Routine RS loggings, interesting unIDs, daytime DX, et cetera.

after hours:midnight to sunrise

- + 630 CKAR-Ont Local hrd s/off 0008 2/14. (Morris Horan, Sudbury, Ont)
- 690 KKUA-Hawaii Atop Cuban 2/24 0515-0530+ w/hard rock & XEPHA off. (Kaskey, Cal)
- 710 WGBS-Fla ET MM SOP (SP? rk) w/50kw, day & night patts; they calibrate antenna current meters, per atm. (Paul Hart, Tex)
- 750 KFQD-Alaska Finally hrd this season atop WMB 2/24 at 0315, u/WSB 2/26 about the same time. (Kaskey, Cal)
- 850 WKIX-NC Heard 2/17 0224-0230 w/ET-mx I&C. (Ken Lyon, Akron, NY)
- + 870 WWL-La SM s/off 0200 two weeks in a row. (Hart, Texas)
- X 860 WDMG-Ga Nicely atop 2/24 at 0535 w/G&W mx. (Kaskey, Cal)
- * 900 CHNO-Ont ID 0311 MM 2/17 so possibly AN MM now, however only CHML heard later. (Sorensen, Ont)

* 930 WKY-Okla Not sure, but believe AN 2/23. (Hart, Texas)
 * 980 WTRY-NY The "CKGM-talk" I reported last week is "WTRY-talk", hrd again 3/3. Sorry. (rk)
 *1080 KRLD-Tex Off 0100-0130 2/24, then ET 0130+. WTIC puts 6kw in this direction but not hrd. (Hart, Texas)
 1150 KCKY-Ariz DX alternating w/KRKD 2/24 0312-0335, both S3. (Jim Critchett, San Diego, Cal) Was that an annod DX Test?
 * WABH-Va Hrd 2/18 0017-0028 w/r/c but earlier than listed, QRM CKOC. (Lyon, NY)
 *1240 KFOR-Neb R/c 3rd Fri at 0615. (Dave Fischer, Lincoln, Neb)
 1300 WKCY-Va ET-TT, ID 0205 2/27, prob w/5kw CP as very strong. (rk)
 1320 WRJW-Miss 2/8 at 0213 OC w/ID annod ET. (Fish)
 1370 KXLF-Mont S/off-SSB 0207 2/18. (Fischer, Neb)
 +1390 WTJS-Tenn S/off 0200 hrd 2/18. (Paul Hart, Fort Worth, Tex)
 1400 KTNT-Wash 2/24 0406-0445 w/Sonics-Celtics BKB, off at 0445. (Jim)
 +1410 KWBB-Kans S/off 0300 annod 2/17. (Hart)
 WKBB-Wis 2/16 0305 s/off w/SSB. (Fischer, Neb)
 1430 KKAT-NM Very nice sig 0101 2/24, log shows KGFL off. Power, sked, etc? (Hart, Texas) I believe power same as KGFL, no sked reported yet. (rk)
 1440 WGEM-Ill 2/14 at 0126 s/off SSB. (Fish)
 KODL-Oreg I&C on DX 2/24 0330 s/on-0410 s/off. S9 thruout, used TT & voice only. (Kaskey, Cal) 2/24 0349-0359 cycle tone S3, little QRM. (Critchett, Cal)
 unID Someone began ET 0410 just before KODL s/off. ID & old rr, but no further IDs, DF to Topeka. (DKK)
 1500 WDEN-Ga Another ET/C&W, jingles, ID "for testing purposes only" 0207+ 3/3. (rk)
 1510 KSOM-Cal Vy weakly w/ID 0432, must be AN. (DKK) Reported AN quite a while ago. (rk)
 * WAHT-Pa 2/18 0045-0100 w f/c-TT not listed. (Lyon, NY)
 *1520 WKBW-NY S/off w/jingle "for approx 1hr for XR adjustment" 0248 3/3. (rk)
 KOMA-Okla S/off 0300 2/24, cut to 1kw AXR annod, then off. (Hart, Texas)
 +1560 WAFI-Ky (Not yet on), ET 0032 2/26 w/easy-listening mx, annod 500w-CH, frequent IDs. (rk) 2/17 0046-0055 ET/C&W mx. (Lyon, NY)
 1580 WGLS-Ga Never s/off MM 2/24. (Hart) Is NSP. (rk)
 *1590 WAKR-Ohio Is not off MM, re DDXD 2/15. Has been hrd MMs here. (Lyon, NY) Incredibly inaudible MMs incl 3/3, used to be very strong here. (rk)

THIS IS A CRYPTOGRAM EKKAIEBW, ØDULYY ATEX?

sunrise and daytime

640 WTBS-MIT Will relay WBS (Wellesley) daytime. (Nelson, Mass)
 660 KOZN-Neb 2/12 at 0700 s/on. (Fischer, Neb)
 790 WAKY-Ky S/on 0500 2/24 MM. (Glenn Hauser, Lowry AFB, Colo)
 + 950 KDSX-Tex S/on 0700 hrd SM 2/23. (Hart, Texas)
 + 970 WAVE-Ky Hrd s/on 0500 MM 2/17. (Sorensen, Ont)
 X1070 WKDR-NY In o/random images 2/23 1620 w/good sig. (Russ Edmunds)
 1020 KSWs-NM 2/7 at 0800 s/on. (Fish) No longer HI AN? (rk)
 1040 WHO-Iowa S/on SM at 0900. (Fish)
 +1050 CJNB-Sask 2/7 at 0800 Oh Canada s/on. (Fischer, Neb)
 1130 KBGH-Tex ID, nx 0859 2/21. (Hauser, Colo)
 1150 CHSJ-NB In already by 1630 2/23, pest. (RJE) Note province. (rk)
 1300 KVET-Tex 2/9 at 0600 s/on SSB. (Fish)

1370 WELV-NY Even w/WALK-LI 1650 2/23. (Edmunds, NJ)
 1380 WPLB-Mich Hrd s/on 0501 MM 2/17. (Sorensen, Ontario)
 + CKLC-Ont S/on 0507 2/17. (Sorensen)
 1390 KENN-NM 2/17 0700 English, then Indian language program. (JC)
 1440 WC DL-Pa Exc sigs around 1700 2/23 o/u QRM. (Edmunds, NJ)

sunset and evening

550 CHLN-Que On w/Canadiens Hockey (how does that abbr?) (Oh, no. Don't we have enough abbreviations? They're a pain. rk) 2/23 2020+ (EE). (Edmunds)
 560 WQAM-Fla Clear thru unreadable WFIL 2110-15+ 2/18. (RJE)
 610 WIOD-Fla Again o/u WIP 2117 & 2220 2/18. (Edmunds, NJ)
 630 WSAV-Ga Hrd thru WPRO & Cuban 2/18 2214. (Edmunds, NJ)
 870 WHCU-NY Finally logged u/WCBS splash 2/25 1756. (RJE)
 900 WAFC-Va Hrd 1745-1800 s/off 2/24. (Edmunds, NJ)
 CJBR-Que Hrd thru CHL & CKTS w/ID 2125 2/18, never hrd in NJ before. (Edmunds) (Edmunds, NJ)
 unID Who s/off 1730 Feb w/Choral "America"? WFLN, WBRV, WKAJ
 950 unID Jazz pgm 2100-2130 u/WNJ Hockey & WPEN religion, not WKAZ. (RJE)
 1000 WLMS-Mass 2/19 s/off 1715 u/WHWB. (Edmunds)
 WIQT-NY 2/19 s/off 1730, after WHWB 1729 s/off. (Edmunds, NJ)
 WIOO-Pa Hrd thru WIQT/WHWB, 1728-1730 2/19. (RJE)
 WKYB-SC Atop channel 1731-1800 s/off 2/19. RR, exc sig. (RJE)
 1150 WRUN-NY/unID WRUN hrd out of AI nx into relig pgm 2/23 2105; unID w/jazz 2030-2130. Not CKOC, WDEL, WRUN. (RJE) Oh. (rk)
 1190 WANN-Md Hrd s/off 1745 2/17. (Sorensen, Ont)
 1220 CJSS-Ont Hrd thru WGNV/WCDO/WGAR 2/24 1716. (Edmunds, NJ)
 CKSM-Que 2/24 2215 o/WGAR. (Edmunds) (RJE)
 1230 WAKI-Tenn Hrd thru local WFAS fade 2205 2/24, best graveyarder
 1240 WJEJ-Md Hrd at 1729 2/17. (Sorensen, Ont)
 1260 WIBV-Ill Local ad 1907 2/23. (Hauser, Colo)
 1310 KGMT-Neb 2/15 at 1800 s/off SSB. (Fischer, Neb)
 *1360 WLYN-Mass Annod on emergency to 0000 2/26 & 2/27. (rk)
 1380 WPKO-Ohio Hrd at 1801 s/off 2/25 between WINX s/off & WAWZ s/on, (both nominally 1800). (Edmunds, NJ) (RJE)
 CKLC-Ont Hrd 2/24 1932 o/WAWZ, says Apollo 9 coverage via NBC nx
 CFDA-Que Hrd thru QRM 1905 2/24 w/FF annor, EE rr. (Edmunds)



schedules and other info

- * 565 WNEU-Mass Boston, Northeastern U, has one XR here; all the rest are on 560. Hrd well 2/24 at 0500 w/bad QRM from WHRB Harvard, Xtal-controlled on the channel. (Nelson, Mass)
- + 630 WKYN-PR Granted WQBS. (Edmunds)
- * 670 KVDU-Colo Denver U, 1600-0400. Logged 2/19 at 2149 when mobile on campus, but signs of it up to 3 mi N on car radio. Slightly off freq (maybe 100 cps), pro-sounding RR jock, jingles, requests, no ads, no nx. (Hauser, Colo)
- + 800 CP-Wash Burien granted KJWE. (Edmunds, NJ)
- + 850 KOA-Colo Has been AN6 for quite a while now. (Hauser)
- 980 WONE-Ohio Now C&W format. (RJE)
- +1060 WNOE-La SP 0100-0630 MM, ETs are 50kw day patt & 5kw night patt w/OC-IDs; 1kw AXR both patts w/TT, per stn. (Hart, Tex)
- +1090 WWSO-Fla Is on. (Edmunds, NJ)
- KVDB-Iowa Re last week, is freq for Sioux Center CP. (RJE)
- + WDLV-La CP granted WSLG. (Edmunds)
- *+1230 KFUN, Las Vegas, NM on w/1000/250 U1; KLAV, Las Vegas, Nev remains 250 U1. (Edmunds, NJ) Broadcasting has this annoying habit of leaving out the state of an item, hence the mixup. Glenn Hauser comments, "Lots of provincial easterners don't...know there is a LV in NM... sad to say," reminding us of what has to be one of the most earth-shaking facts ever to wander "back East". Many thanks, Glenn, hi. (rk, the noodge)
- +1240 KDGO-Colo Now CBS. (RJE)
- WTWA-Ga Now U1 from SH1. (Edmunds, NJ)
- +1380 WIZO-Tenn On w/100w D1. (Edmunds) I have listed 1000w D3, what is this? (rk) I better stop abusing my supporters, hi.
- + KTSM-Tex Sked is 0630-0100, observed and annct 2/18. (Hart)
- +1400 KCLA-Ark Now AN per annct 2/18. (Hart, Texas)
- +1430 WVAM-Pa License granted for 5000w. (Edmunds)
- +1470 KARE-Kans Now NBC. (Edmunds)
- +1490 CP-Ariz New, Clifton, 250 U1. (Russ)
- 1500 WTOP-DC Is now all nx w/CBS & Group W nx. (Edmunds, NJ) Still seems to have AA Mr Til Dawn & is off MM; strange for a CBS affiliate to have Westinghouse nx, but... (rk)
- +1510 CP-Okla Sallisaw, is 500w-CH. (RJE)
- +1560 WDXR-Ky CP is on. (Edmunds, NJ)



The third snowstorm in as many weeks out off mail here 3/3; this is all received thru Saturday, 3/1. I am extremely pleased to see an excellent geographical distribution of DDXD support, with many valuable Southwest, WC, and Midwest contributors. There is now no space limit on this column, so please lend your support.

I owe letters to many people, and just haven't found the time to answer. Glenn Hauser, Jim Critchett, Mike Northam, Bruce Reynolds, Uncle Ralphie, Paul Kilroy, Dave Kulka- why not give up hope, hi?

Please start to check your locals and semi-locals (even if you're not very active) for address, schedule, etc changes for the next go-round of the NRC Log. All Log changes should be sent to DDXD; all correspondence concerning computerization should go to Lon Berman, address on the back cover.

MW SIGNAL PATHS - PART I

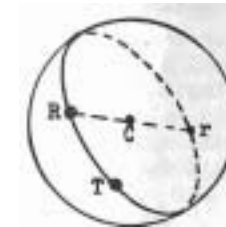
G. Nelson

While this feature article is being presented at this particular time because it contains some essential background for the aurora and direction finding articles soon to appear in DX NEWS, much of this information is of interest to the serious DX'er in its own right. As we've continued to research the how's and why's of MW DX, we've long been impressed by the fact that really very little information of the sort useful for MW DX'ing has appeared in scientific and technical journals. What little MW information has appeared has usually been concerned with studies of "average reception conditions" - which are then used by governmental agencies for the allocation of new stations, etc. But the MW DX'er is of course not interested in "average conditions" - he wants information about unusual conditions that may permit reception of a usually inaudible station or country. For a number of technical and historical reasons that we won't go into now, almost no work has been done on long distance MW reception; this lack is particularly striking when contrasted with the vast amount of research that's been done on short wave propagation.

In this and future articles we will deal with topics of particular interest to the medium wave DX'er. General information on the nature of radio waves, the structure of the ionosphere, and similar topics appears in a vast number of radio textbooks; a list of books containing general information is given at the end of this article. We will try to provide as much general background as necessary in these articles, but our emphasis will be on the aspects of propagation peculiar to medium wave signals.

I. Great Circles and Great Circle Paths

We'll start our discussion of great circle paths by stating our assumption that the earth is perfectly round; in actual practice the slight irregularities in the shape of the earth detected by satellites, etc., are far too small to be significant. A GREAT CIRCLE is the largest circle that can be drawn on the surface of the earth. The Equator is a great circle and so are the lines of longitude (but not lines of latitude!). Figure 1 illustrates some of the properties of great circles. T and R are two points on the surface of the earth, say the transmitter and receiver sites for example. C is the center of the earth; r is



the point exactly opposite to R on the other side of the world (the antipodal point for R). There is only one great circle passing through both R and T and it also passes through r. The line from R to r through the earth passes through C.

All great circles are the same length and are equal to the circumference of the earth, which is 24,878 miles. As long as the points R and T are not antipodal (i.e., on the exact opposite sides of the world), there will be only one great circle. The special case of antipodal transmitters and receivers will be discussed later.

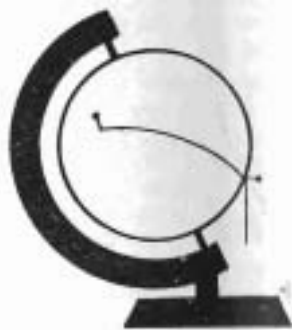
73, Rudy

The segment of the great circle through R and T is the GREAT CIRCLE PATH between the two points. Note that there are really two great circle paths; the SHORT PATH, and the LONG PATH around the back side of the earth. Long path reception on the MW band is experienced only under very special conditions and when we use the term "great circle path" we will mean the short path unless otherwise stated.

II. Visualizing Great Circle Paths

When dealing with MW propagation and direction finding it is necessary to think exclusively in terms of great circle paths. Unfortunately this is not quite as simple as it first appears. Figure 2 shows the problem. All three of the paths shown (Boston-Sinkiang, Boston-Cairo, and Boston-East Africa) are actually great circles. Even though a great circle path is the shortest distance between the points, great circles appear as curved lines on ordinary Mercator Projection flat maps. This is the result of the distortion produced by this type of map; the same distortion makes Greenland appear much larger than it actually is on Mercator maps also. The only great circle path that appears as a straight line on a Mercator map is the one that passes through the North and South Poles. Latitude circles look like straight lines on Mercator maps but these are not great circles because (with the exception of the Equator) they do not completely circle the globe.

Figure 3 shows a very simple way to visualize great circle paths using an ordinary world globe and a piece of string. Simply stretch the the string tautly between the transmitting and receiving sites. Because the great circle path is

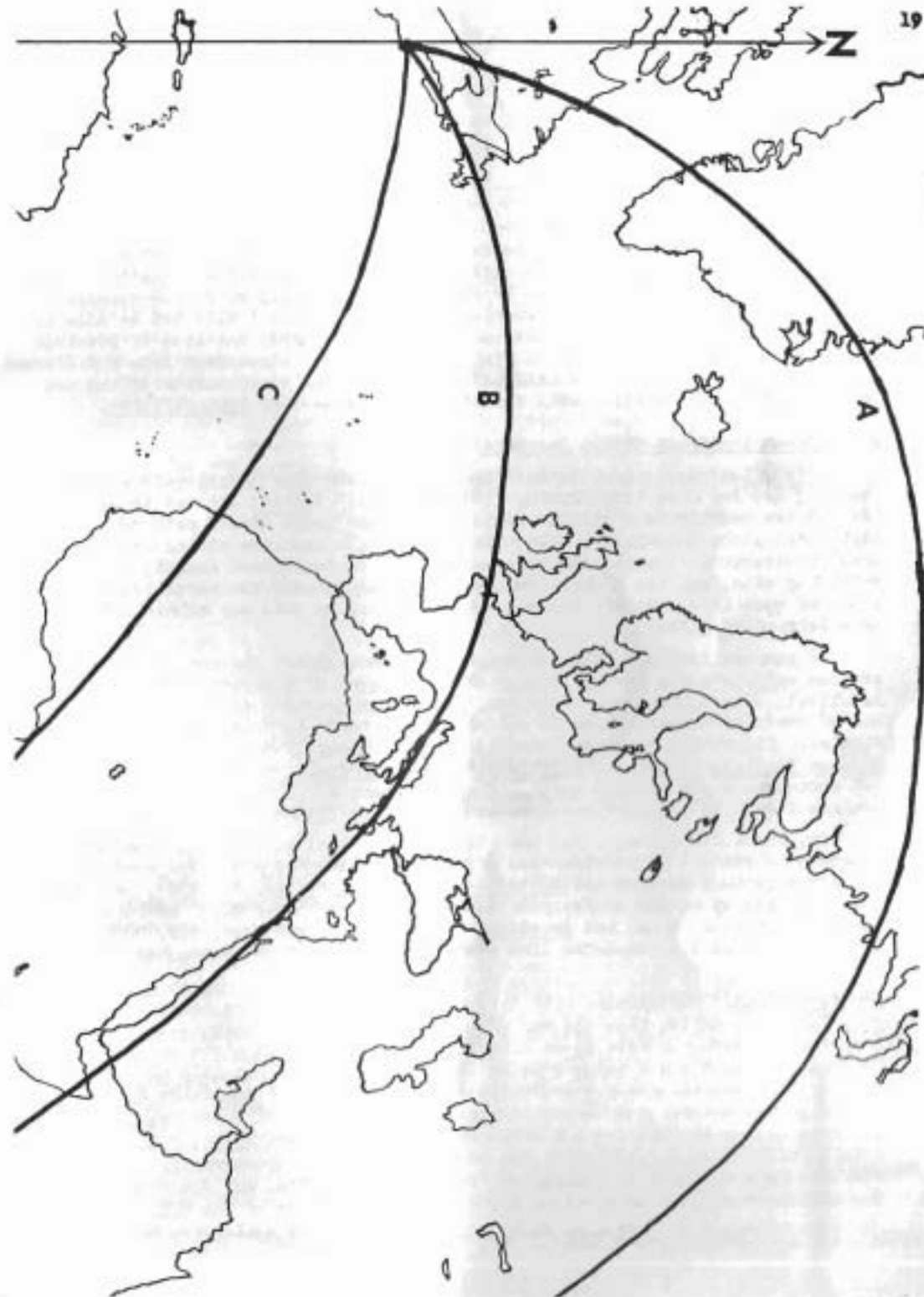


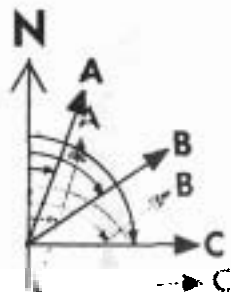
also the shortest distance, the string will lie along the great circle path. As long as you are careful to make certain that the string is tight and is following the shortest distance along the surface it will follow a great circle path with considerable accuracy. It pays just to sit down with a globe and study the paths from your location to various stations in order to get a "feel" for great circle paths.

III. Great Circle Initial Bearings

Direction finding consists of measuring the direction of arrival of the signal by taking advantage of the directional properties of receiving antennas. With a simple loop antenna, the direction of arrival of the signal can be determined either by rotating the antenna until the signal is strongest (the peak), or until the signal is weakest (the null). The peaks and nulls of a good loop antenna are exactly at right angles to each other.

Figure 3 shows how the bearing angle is defined. For a particular receiving location, the bearing angle is the angle between true North and the direction of arrival of the signal. The angle is measured clockwise: a signal arriving from North has a bearing of 0° ; from the East, 90° , from the South, 180° , etc.





The bearing angles shown above correspond to the paths from Boston shown in Figure 2: 20° to Sinkiang, 55° to Cairo, and 90° to East Africa. Stations that lie along the same bearing circle (France and Cairo in Figure 2, for example) are said to be colinear. A single direction finding measurement will not be able to distinguish between these two stations and can only supply one line of possible locations. If a second direction finding bearing can be measured from a different location, the unknown station will be located near the intersection of the two bearing lines. The station will then have been located by triangulation.

IV. Determining Great Circle Bearings

It's often very useful to know the bearing from your location to a particular station, and for direction finding it's essential. The easiest way to get a rough idea of the bearing to a station is to lay out the great circle path using the string-and-globe technique and to measure the angle that the string makes with a small protractor. The protractor's center must be positioned exactly at the receiving site, and the 0° mark must point exactly toward the North Pole. With a bit of care it's possible to measure the bearing in this way within a few degrees on a fair-sized globe.

If you are familiar with elementary trigonometry and the use of logarithms you can calculate the bearing to any desired degree of accuracy using a couple of relatively simple formulas. Only addition and subtraction is needed and with a bit of practice a bearing can be calculated "by hand" in this way in a couple of minutes. The formulas and an example of their use will be found in the ARRL Antenna Handbook; likewise in Bowditch's American Practical Navigator. If you've got access to a computer, several NRC members have a FORTRAN version of the program for these calculations; contact NRC HQ for further information.

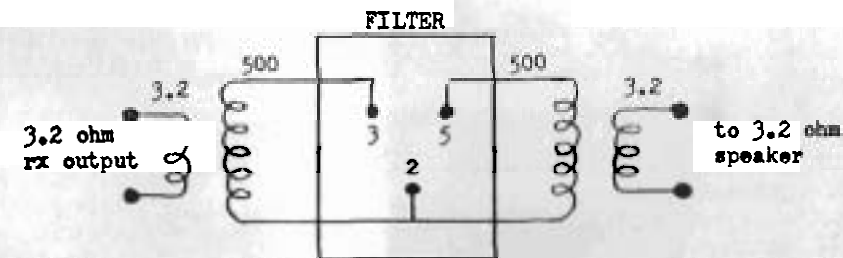
Or, for a few dollars, you can obtain a long list of bearings from your location to various DX stations run off on a computer for you. Two companies which supply this service are Montgomery Geodetic Services, Box 5707, Bethesda, Md. 20014 (\$3.95 if you supply your latitude and longitude; \$0.50 additional if they have to look it up) and Bearings, 177 Lockhart, Princeton, N.J. 08540 (\$3.00; samples for \$0.25). Companies like these usually advertise in the ham magazines.

A third way to obtain bearings from your location is to use an azimuthal projection map. The problem with this type of map is that the bearings are correct only for the location that the map was drawn for. The familiar "polar projection" centered on the North Pole is an azimuthal projection which gives great circle bearings for anyone who happens to be DX'ing from there. But it's no help for anybody else unfortunately. There are some azimuthal maps available for certain U.S. cities, however, and if you happen to live near one of these selected places you're really set! The Coast and Geodetic Service in Washington, D.C., has a real beauty centered on New York City for 40¢, and the Naval Hydrographic Office has similar maps centered on Washington, D.C., Cutler, Maine, and Jim Creek, Wash. The ARRL produces one centered on the geographical center of the U.S. (near Wichita, Kansas), and the ARRL Antenna Handbook contains small maps centered on several cities including San Francisco. Check the ham "DX Guides" also. (MORE)

AUDIO FILTER

Suffering from heterodynes, TVI squeals, and the like? The following very simple audio filter unit will reject audio tones above 2.7 kHz and materially improve the intelligibility of many signals without the necessity of receiver modification. This circuit will be of greatest value for rejection of heterodynes in receivers with relatively poor selectivity; the 4 kHz audio het between Dakar-764 and WJR will be materially reduced, for example, without reducing the readability of the desired signal. It's also quite useful for reducing the chaos often produced by tone testers.

Even if you're using multiple mechanical filters this audio unit is useful for eliminating audio distortion products generated within the receiver.



PARTS LIST:

- 2.7 kc lowpass audio filter; Stock # 3Z1892-1.2, Fair Radio Sales Company, Box 1105, Lima, O. 45802. Price is \$3.80, including Parcel Post fee.
- 3.2 to 500 ohm audio matching transformer; Stock # 33T8006, Lafayette Radio Company, Box 88, Syosset, L.I., N.Y. 11791. Price is \$2.22 per transformer; add an additional 80¢ for postage (excess will be refunded).

CONSTRUCTION:

This is a very uncritical circuit and you don't even have to mount the components unless you want to be elegant. Positioning, wire length, and layout are not at all critical.

Note that this circuit has a 3.2 ohm input and output; if your receiver has a 500 ohm output you can forget about the input transformer and can connect the receiver directly to the filter input. Ignore the other terminals on the filter; you may wish to make use of the 8 ohm tap on the output transformer for 8 ohm stereo phones though. This unit will clear up a lot of audio QRM for \$9.00; the commercially available equivalent filter will set you back about \$30 so it's definitely worthwhile to take advantage of this surplus filter from Fair Radio. Two filters can be connected "back to back" for even better performance too.

G. Nelson

The NRC air-transportable CPC is secretly operating in Botswana, New Jersey

THE DX SHOWCASE



HONOLULU, HAWAII

KZOO

"The Cherry Blossom Station"

1210 kc

1000 Watts

THIS IS TO CONFIRM YOUR RECEPTION REPORT OF
KZOO ON _____
TNX.

KMVI

The Maui News Station
Wailuku, Maui, Hawaii

This will verify as correct your logging of station KMVI on Oct. 28, 1963
from 7:27 pm (HST) to 7:30 pm (HST).

For your information KMVI operates on 1,000 watts at 550 kilocycles using an RCA BTA-1-L transmitter and RCA speech equipment. The antenna is a 450 foot quarter wave International Derrick and Equipment Company vertical radiator located outside of Wailuku, Maui on a site 109 feet above sea level.

We would be pleased to hear further from you from time to time as to the condition of our signal. Our operating schedule is 5:00 A.M. to 11:00 P.M. Monday through Saturday and 7:00 A.M. to 11:00 P.M. on Sunday, Hawaiian Standard Time.

Jerry Shiraishi
Mahalo and Aloha. **J. Spencer Shiraishi**
Chief Engineer

A pair of 1000 watt Hawaiians from the collection of Jerry Conrad who logged them in Kentucky. Ah, the good old days...

N B

CONFIRM YOUR RECEPTION OF CFB B

DATE 12-10-69 1700 H

ES ²⁵⁰~~500~~ WATTS O

° 13' W BASE TELECC

QSL

GREETINGS FROM

THE LIBERIAN BROADCASTING CORPORATION

sound of progress

verification of our signal heard on 6.50 Mc:

at 0630 GMT. October 4, 1967
(Date)

Signed *[Signature]*

E L B C

When you get tired of fighting the CW as you try for the TA's on 5.0 you can always QSL the QRM. "NB" is surprisingly well heard considering the power and this card was recently received by John Garafino in Connecticut. "ELBC" was long the only way to snag Liberia; now they've moved down to 6.10 and they might as well've gone off the air as far as DX'ers in North America are concerned. From Admiral Nelson's collection.

March 8, 1969

24
 JOHN W. HOGGERHEIDE - Box 941 - Marquette, Michigan - 49855
 CX this PM 2/17 appear much improved over the sad mess this
 MM, AM. New log in WJSO-1590 s/off 6:15, no anthem; then KATZ-1600 w/promo @ 6:25;
 WMTL-1580 s/off 6:30, no anthem, followed seconds later by a powerhouse w/1,000w.
 Used no city & I thought calls were WRIG, but no such animal. KPIK-1580 w/good sig-
 nal @ 7:05pm. 2/22 I had a woefully weak SS atop 1560 w/constant talk of "huelga"
 (strike), I assume the Cuban. WCLS-1580 also good, 2:45am. 2/23- Very poor AM -
 I noted WSAI-1360 s/on 6am, no SSB - no WBAY, so definitely not AN. WIXK-1590 w/ad
 for Stillwater Minn. stores @ 5:20pm, then WQTC-1590 s/off 6:15 no anthem. This was
 my first new log in six days. I was beginning to think DXing was over for me! 2/24
 - Great CX towards WC. KPNC KFBK KKHI all good; KLAC-570 w/WKBN looped @ 2; KLZ-
 560 2:05; s/off of KOA noted 2:05 w/no anthem. This left an FF, CKVL; & a weak EE
 WEVE-1340 r/c-TT 2-2:15; KOMO-1000 a powerhouse 2:30, CHYM-1490 announced 24 hours a
 day, seven days a week @ 2:35. I never heard him before on MM. KFRE-940 @ 3am s/
 off atop KHOS; then an HI noted on 930 u/WKY @ 2:05 & ID as KITE, Terrill Hills. I
 hope you all caught the loud Colombian on 1135 w/Todelar IDs, HJAC, I assume, @ 3:15
 No luck w/any of the NRC/IRCA TESTS. I felt KCKY might make it but the two Canadi-
 ans were too strong. Does anyone know where I can obtain a Hammarlund HC-10 (rear-
 end takeoff). If you live near a ham shop could someone inquire for me? This unit
 is no longer made & through its use the Drake could be really perked up. Any help
 NRCers could provide would be appreciated since our Upper Peninsula is not over-
 loaded with ham stores. (What the heck is a "rear-end takeoff???"-ERC)

BRUCE REYNOLDS - Route 2 - Warrensburg, Missouri - 64093
 DX: 2/23- WMOB-840 (ex-WYUF) in w/WHAS looped, 6:28-6:45pm s/off-
 SSB. 2/24- I overslept & missed the early DX TESTS. WAVO & WBAA were unnn, but I'm
 sorry I missed a chance for WRTA. I spent nearly an hour chasing after a weak TT
 from KODL & finally got three very weak partial IDs to show for it. Report & tape
 sent. Oregon #7. KCKY-1150 was in w/c/w u/CKOC 4:13-4:58am, w/a test from WHUN
 thrown in, 4:40-4:56. WHUN in very clearly, KCKY in/out. KCKY is Arizona #21 & I
 hope much-wanted KRUX will be #22! WFNC-940 was heard @ 5:35am w/WX & ID, but
 fighting a losing battle against WYLD/WMAZ/KHXI. Oh yes, also an unk c/w on 1200
 5:04-5:10 when WFEM s/on, spot for a dance hall @ 5:04, WGWR? Veries: None. Rats!
 I'm currently in mourning over the loss of my favorite c/w station, KBIL-1140 which
 is now MoR. I guess they couldn't ake the competition from KUSN/KCKN/KWKI. They-
 'll probably do worse now. Good to hear Dave Schmidt is finally learning to appre-
 ciate GOOD mx, hi. 73s & how about a little competition starting for the '70 Con-
 vention site! Of course we all know it's ST. LOUIS in '69!

MARV GARBNER - 2537 Kessler Boulevard - Lincoln, Nebraska - 68502
 MM 2/24: TAs in- ORTF-1205 peaking @ 3-8 @ 1:45am w/real good audio;
 tape sent. BBC-1214 in @ 1:30 w/many Radio One singles & pop mx, weak signal. Is
 it possible to hear only two without hearing others? RLA DX WBAA-920 in real good
 w/many RLA plugs @ 1:15. CKXL-1140 all along w/rr @ 3:30 but mucho QRM from the Cu-
 ban jammer. Do they ever go off? KLO-1430 Utah good o/CKFH w/"Musical Telephone"
 program @ 3:45, & IRCA DX KCKY-1150 Ariz. came in @ 4:40 after CKOC s/off? (CKOC
 not heard after 4). IRCAn Paul Lotsof was the M. He requested calls from distant
 points so I called. He mentioned I was the furthest E who called. It was nice tak-
 ing to him! New veries: KFVB KFAC KOKX KVOX & after six reports, CKIM. A lot of
 you guys list KXLR as one of your major holdouts. They sent me a nice v/1 in 4/68,
 Totals: 254 veries from 40 states, six provinces & nine countries. Can someone give
 me the v/s for these? CHNO CNR CKEX CHBC CHDV CHDZ 73.

FISH - 810 Oldfather, NU - Lincoln, Nebraska - (68501)
 New catches as of 2/25 for February: 2/1- WAMY-1770 Birmingham @ 8:15am. 2/4-
 KWRF-860 Warren, Ark. 1:55am r/c. WQBA-1140 Miami @ 2:10pm way o/jammer, no sign of
 WRVA. 2/6- KSEN-1150 Shelby, Mont. s/off 1:17pm, RQPD-900 Albuquerque, & KOLO-970
 Reni both @ 2:22am, WVOV-1000 Huntsville, Ala. @ 2:40am! XEP-900 Monterey, @ 8:11
 pm. 2/7- WAMY-1580 Amory, Miss. 2/c-DT 5-5:15am. 2/8- KTXO-Sherman, Tex. (con'd)

March 8, 1969

(Fish, con'd) @ 9:03am. 2/9- WRJW-1320 Picayune, Miss. @ 2:13am ET, R. Tropical-
 1040, Barranquilla, positive ID, call HJFV? @ 3:30am, this thing has been on 1040
 for months. 2/15- KDLS Perry, Iowa u/KGMT days (hi, Len Kruse - note!) 2/24- 1470
 ?? Winnipeg, 12:10am, help on call? WBAA-920 West Lafayette, Ind. on DX solid,
 514.9 miles. WJOB-1230 Hammond, Ind. @ 1:33am. WKLO/WTIC-1080 u/KRLD OC 3:45am, so
 much needed! 2/25- KPLC-1470 Lake Charles, La. 12:30am & finally I got the one bug-
 ging me u/WAKR, KETO-1590, Seattle @ 2:08am.

PAUL K. HART - 2105 Muse - Fort Worth, Texas - 76112
 I spent the evenings of 2/12-13 in Hickory, NC visiting company HQ.
 Hickory must be one of the world's worst locations for listening on the BCB. Some-
 times you would like to be able to be sure of hearing all of the news, for example.
 The only reliable signals at night are WSB-750 and WWL-870. When WBT switches in
 their pattern & brings up the Shelby repeater, they are unreadable much of the time
 in Hickory. If it weren't for the repeater, I don't think they could be heard at
 all. Evening of 2/12, WPTC-1080 in before pattern switch, then out. WIBC-1070 in
 about 8pm, nice signal from KIRA-1010 about the same time. Evening of 2/13 it was
 KRLD-1080 in very nicely until pattern switch; then disappeared completely. WKLO-
 1080 in shortly after, their pattern does look down toward Hickory. About 9pm,
 nice signal from WNNP-1770. WNS-1540 in strong all night, w/many Cuban. Early AM
 loggings from Ft. Worth on 2/12- WOC-1420 & KTOE-0420. On 2/13, early AM again,
 KCBC-1390 w/armchair signal. KTRA-550 & real nice KPMC-1900. Trying for WNEW ear-
 ly AM of 2/16 on 1130, I got CKWX in, very weak but v/up @ 4. MM 2/17 was
 pretty much of a bust, v/up WCY & KGO 3 & 4 respectively on HD, KGO FTing. I also
 got KWBB-1410 & KPLC-1470 about same time on other tape. All of the following ear-
 ly AMs from tape: WJNS-1300 WNUK-1390 KCLA-1400 KTCM-1480 KUBR-1100 KATZ-1600, all
 2/18. KGER had Jim Clark prayer program on, I thought they'd never TD. I got KSPI
 -780 s/on 2/19. KDGX-950 (blg deal) & WSPA-950 both on 2/19. WIPA very weak, but
 good enough. Early in AM of 2/21, KIMN-950 & KHJ-930. I broke a rule & kept the
 tape of KHJ w/only the call - they wouldn't use the frequency to ID & kept giving
 WX for "The Basin Area", nice signal. MM 2/24 very good, but I'll save it for next
 time. Continued congrats to the IPC, DX NEWS is by far the best information source
 for the BCB fan. Back in Seven! I was happy to talk to the guys at Dave Roys!
 This gang is a fine bunch! 73u. (I'll drink to that! -ERU)

FRANK WALDRON - 65 Lakertidge Drive - Matawan, New Jersey - 07747
 The 2/22 get-together was out of sight, no they all are. DX: 2/18-
 WELW-1330 ET/OC @ 12:48, rather poor signal. 2/22- Unbelievable, WNEW off RS the
 whole AM & on OC. Nothing down the IC I had WISN @ 1:20 after usual-ol mx, mostly
 u/WCAR. At 3:12 WNEW had out the XR off completely & there was WBY u/WCAR w/rr,
 WISN apparently s/off earlier. 2/23- Staying overnight @ Dave Roys' we heard KTR-
 620 @ 3 w/hi u/CKCK, WNNP miraculously off. Then I got KXND @ 4, solid signal
 on that HQ-180, which is really a great BK. MM 2/24- WNS-1540 heard for first time
 @ 12:23 w/a signal that was strong enough to listen to. WBAA-920 in @ 1:01, good
 signal but mucho QRM from CKCY. WBC-1457 strong @ 1:40 competing w/a strong SS on
 1460 whom my disbelieving ears Ideal as HJJW, absolutely beautiful signal for only
 1kw. I think I had KINO-1400 way u/HJJW around 3. 3:33, WNNP-1540 @ 3:45pm w/WHWH
 nulled; WHWB-1000 strong w/NX 4:13-5:30 s/off. Other items of note: On 2/22 @ 2:22
 KFI was in o/Cuban, then gradually down to equal strength. AM u/CIML must
 have been CHNO. Also on 2/24 3:33, unnn WPMO-1530 was strong @ 3:33; CHIN-1540
 noted blasting in equal to WQXR @ 5:35, very unusual. WNNP-1540 @ 5:35, noted
 ming. Then unnn WQED-1470 @ 6:30 s/off, another surprise. Veries: CKDM-
 730 CKBW-1000 WCRB-1330. v/1- XIKY-1000 (in eight days!) WNNP-1540 in eight weeks,
 WRCM-1540, also a letter from WBBQ-1420 saying it was not the v/1 of 2/25 2/17.
 who then? v/1- The check of the Year Award I present to CHNO then for answering
 their DX on 3/25/68. Unnn v/1 in in EE/FF, & the EE reads "According to
 the informations, that you are giving us in your letter, we are sure that you was
 listening to C.K.R.B." (it well, 73.

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CESAR OBJIO - Calle Hostos 38 (607) - Santo Domingo, Dominican Republic

Hi, DXers. Here I am again so soon. I want to talk about this: As I was not using in Santo Domingo the loop brought from Boston, due to the building construction where I live here because it stops the-signals, and the only direction I could find was to the antenna leadin. I moved it to Beni where I obtained best results on the weekend 2/22-23, it is so good that I could completely eliminate R. ABC & hear instead WBBS in 535, also many others, it is wonderful. CX are much better in Beni than in Santo Domingo. Everybody should own one. Here are some future plans for station in LA according to the WRTM-69: R. Belize will have new 1kw. relays on 910-920-930k. In the Windward Islands, Castries will move from 1565 to 660, Roseau from 695 to 550 and St. George's from 535 to 540, all w/10kw. XRS. In Colombia: R. Sutatenza will have new XR in Bogota on 810 w/250kw, & On 700 in Cali, w/125kw, in Barranquilla on 960 w/125kw. La Voz de Garagoa, HJHI-1290 Boyaca, will increase power from 10 to 50kw. I am sorry I could not participate in the last Simultaneous Listening Contest, but Santo Domingo is not the place for listening, most of the frequencies are covered with local stations and daylight time is useless here. I'll see what I can do in the next one. One person deserving to be an NRC member is Hector Davila B. in 19 M.F. Rossy St., Bayamon, Puerto Rico. He has given me much information about stations in his island. Ray Moore, please send him a copy or anything. As I can see everybody has been able to listen to those cricket matches from Jamaica & the Windward Islands except me. Well, see you soon.

RICHARD E. WOOD - 1630 Ruth Place - Honolulu, Hawaii - 96816

Prompted mainly by the very pleasant replies I have had from Mainland stations which I have reported, and by those which have told me mine was the first Hawaii report, or their most distant ever, I have decided to begin domestic DXing, on a selective basis at least. So, I have started reporting, w/the following initial results in veries: Ariz. KOOL-960; Calif. KTIP-1450, KPAT-1400, most distant report yet, KDAY-1580 KATA-1340 KFMB-760 KUDU-1590 KMBY-1240 most distant; Mass. WBZ; Mont. KOFI-1180 first Hawaii, believe most distant; Ore. KVAS-1230, believes first Hawaii, KGW-620. Texas: KRLL-1080 KRGV-1290 believe first; Wyo. KTWO-1030 first Hawaii; Alta. CHAT-1270 CFGP-1050 first Hawaii, B.C. CHUB-1570 CKWX-1130 CFUN-1410 CFPR-860. Reported are: KCEY-1390 Cal., KREN-1290 Cal., KDON-1460 Cal., KDKA, KIMS-1250 Cal., KHDN-1230 Mont; KHOW-630 Cal., KXEL, KTRH-740 Tex. KWKW-1300 Cal., KGB-1360 Cal., KJR-950 Wash., KWIL-790 Ore., WCCO, KIST-1340 Cal., KIOA-940 Iowa, WHAM-1180 NY, WQXR-1560 NY & CJCA-930 Alta. I will be concentrating mainly on the graveyards; there are no Hawaiian graveyards, & at a minimum distance of 2,000 miles, only a few make it at a time, so not too crowded. During a fine Alaska/BC opening 2/24, when CFUN-1410 BC was coming in better than local KCCN-1420, KIKI-830 talk show moderator Johnny Walker & I called CFUN to enter their competition for most distant caller; CJ amazed to hear from Hawaii for first time; other distant callers only from Alaska & Alta., in directional towards Alaska. We talked of NRC on the air, greeted members & was asked by CFUN DJ Leroy Crowder to send a copy of NRC Magazine in which this Musing would appear. I was listening to them on an old RME-45; looks decrepit and run-down, just bought it for \$20, but it seems to work better than HQ-180 & caught, e.g., WQXR, fine tone control helped in line noise CX that night.

CLIFF RENO - 75 Parish Road - New Canaan, Connecticut - 06840

Hello DXers! I attended the DX Party at Dave Roys' this past weekend & was supposed to "sleep over" but DX was so good I didn't bother going to bed (except on the train going home, hi). DX: 7/77- H. Holman-836! WHOT-1330 (Report sent to J. Starr) SRS-725 on SRS. For a few hours there I had Dave's fantastic HQ-180 all to myself. I still can't believe what a fantastic DXer Dave is. It was a blast meeting Ernie Cooper, Frank Waldron & many others at the party. After mounting a TV antenna for about 45 minutes on Dave's roof, in freezing temperatures, I don't think either C. Rader is going to be DXing on the TV channels for a while, hi. By the way, if ANYONE wants to belong to a new NY DXing club known as the (cont'd)

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(Cliff Reno) New Canaan DXing Club just send a stamp (no SASE) for info to Cliff Reno, Pres. at the address above. Membership is FREE. All for now. 73 & good DX. PS- I caught WPTR-1540 on 2/23 switching to AXR of 5kw down from 50- What happened?

CARY PALL - 71 Hurlbutt Street - Wilton, Connecticut - 06897

Hi there, folk. Super DX here w/my GE portable as I put up a 500' long wire & hooked it up. I have mucho harmonics from SW, but generally my DX is tripled! I originally put it up to use w/Dave Roys' signal generator. New veries: WROW WROW & WIJK, v/qz. Super DX: 2/23- WAAB-1440 noted s/off @ 12, WHK-1420 12:30 w/very old rr, WPRU-1400 w/very old local WAVZ @ 12. 2/26 AM- WFIL-560 WRKO-680 CKAC-730 CHML-000 CKCY-000 WRIM-1420 CFOX-1470 all noted I&C @ 2:30am. WCVU-1350 I&C 3:30 w/"Bound of Good Life" mx. Daytime DX benefitted more w/new antenna. WPRO-680 good w/rr @ 1:30, also WFAC-580 WHYN-560 w/"Themen like Old Times" contest, WACE-730 w/telephone call, WMMW-860 (not 1380) w/NX @ 3pm, WHVW-950 NY 3:15 w/rr, WIAW-1410 Mo, 4:00 w/rr @ 7:30pm, WGAN-560 8pm w/telephone call, new WTBY-1590 @ 8:30 w/rr (another Bill Drake copycat) WRRL-1600 just barely 8:30, KMOX-1120 w/locat (the first time I could ever hear KMOX without complete wipeout by WNEW) & 6:45, WRSA-1130 w/RR @ 9am like a local. Reports out to WRKO CFOX WCVU WHYN WACE WGAN WHVW WIAW WTBY WGAN WRSA. It was a blast in NJ standing on Dave Roys' roof. It's a great view, but gosh, falls ---. C O on WNLK-1450. 73.

JOHN WILLY - 104 Monteclair Drive - Jacksonville, Florida - 32217

This to my first Musing - I hope it's right. It might help if you know who I am. I'm a senior at high school, & have been DXing for four years. I use a South Trans-Oceanic RX, w/a spiral loop antenna & a 10' LW. An of the I have had about 98 verified. DX-wire: 7/15- KEEL @ 1:06am, caught H. Holman 14:00-14:30- RATA @ 1:03am s/off, 2:10 with WROB, standard Q11 ad, WX for 3:45 am. 3:45 am w/WBSR-1450, very strong for graveyards; 4:04 am WPRO on top for few minutes, first Wis. station for me, Top-40 format w/two big IDs. 10:18 pm in a 6:45 pm before cut to 25kw; 10:18 pm R. Belize w/Baltimore signal, - noted 11:00 local. 1/12- WROL-1490 in poorly @ 12:07 am; 1:44 am with WFIL in clear. 2/13- WROB-1450 "Ocean Radio at Miami" good level, top Q11 in poorly @ 11:01. 1/13- 1050 is being good to me lately. KMIS @ 6:45 w/RMSE @ 7. AM slow 11:11 pm w/WHAV, suspended @ 11:24 am 2/14. 2/13- XELO had EE w/ten-year-old low hiss! 4:45 am 2/17 s/off of KEEL @ 6:18 pm. I have a paper route here w/good catches. 7:25- WKY @ 7:18, KPFA @ 3:25 very clear w/good ID. Recent veries: 1/11- WPCF WJCR WJMR WJOL WJTB WJTB WJTB. v/1- WPCF WJCR WJMR WJOL WJTB WJTB WJTB. That sums up DX here. I am in desperate need of all checks of top order count or progressive rock stations in any major market. (WCR-11 WMMW FM KQVY WJTB WJTB). I'll supply tape, postage, & \$1 for trouble. If interested, please write me - I will answer any letter. 73s from J-ville for now & good DX. (Welcome to the NY & DX NEWS, John! Above is fine, only please that the cooperation with your station. We hope to hear from you often! -SRC)

DR. HOBLEY - 1017 Baycrest - Newport Beach, California - 92660

As one who has signed more veries than I've reported to you, I note WCR's 11:00 AM signal doing less verifying these days really annoys me. Even in 1967, when the economy kicks in '67, no projections pointed to a high rate of inflation. Others did not in '68 when '67 figures became available. Many OAs, PAs & SAs were asked to continue extraneous services to be eliminated by an effort to cut costs. Since included nighttime skip coverage in rarely used by stations, & since many stations use mail maps as sales tools these days (in spite of addition of new veries around them in the W to the dwindling list) there's some indication to spend time & money verifying. Now if we got more NY ad agency class coverage advertised by the old incentive would return & veries could increase. This in my view should prove of use in the business might be able to do an effective practical job. (cont'd)