

OLDEST  
MEDIUM WAVE  
DX CLUB  
Established 1933  
32 issues per year  
\$13.25 Annual  
\$10.00 First Class  
\$7.50 Third Class



OFFICIAL PUBLICATION OF THE  
NATIONAL RADIO CLUB

VOLUME 39

NOVEMBER 27, 1971

NUMBER 8

" Thanks a lot for your patience in awaiting my renewal. The DX NEWS is worth its weight in germanium diodes. " (Doug Sharp, Lansing, Mi.)

IN THIS WEEK'S ISSUE...

Alternative Amplifiers for Air-Cored Loops - Russ Edmunds  
The Odds on the Even TA's - Ron Schatz  
The Yadland Antenna Switching Gizmo Made Easy - Jerry Starr  
Down to Earth Grounding - Gordon Nelson  
Construction Permit List - Len Kruse  
CPC Report - Jerry Starr  
Supremacy Ratings - Norm Maguire  
Great Circle Bearing Algorithm - Dave Fischer  
1972 NRC CONVENTION QUESTIONNAIRE - Ron Schatz  
1971 Yadland Awards - Stosh Kowalski & Friend



NEW MEMBERS THIS WEEK...

R. Stephen Dildine, Jr., Arlington, Va.  
Paul Kluwe, Edmore, Mich.  
Robert E. Monson, Willingboro, NJ.  
Phil O. Sybin, Anaheim, Calif.  
Brad Lanes, Matawan, NJ.

Welcome to the NRC, lads; why not write into Musings and introduce yourselves?

RENEWALS THIS WEEK...

Breger... Bartels (AIR)... Harvey... Sanderson... Cheevers...

LAST MINUTE SPECIALS...

WCHL-1360, in Chapel Hill, N. C. will test for the NRC all night on Dec. 13, 1971. Format will be rock music. **Address as in NRC log**, phone number is 919-968-4484; Rick Edwards - C.E. (info from Roger Winsor)

WISS-1090, in Berlin, Wis. will test for NRC on Dec. 13, 1971 from 2:30 to 3:30 am EST. Power is 250 watts, ND; will use rock music, brief ID's after each record. Address is PO BOX 5, Berlin, 54923. Phone is 414-361-3551, no collect calls. (info from Roger Winsor)

## THE GREAT WORLD RADIO HANDBOOK DEAL...

Through the cooperation of Gilfer Associates, North American distributor of the Unique World Radio TV Handbook, you can save \$1.70 on the regular price of the new 1972 World Radio Handbook by ordering through NRC HQ. Send \$5.75 to NRC HQ, c/o Chuck Rossier, NOW; on December 15th we will forward the money and addresses to Gilfer Associates who'll mail 'em out directly to our members as soon as they arrive early in January. **Not only** do you save \$1.75, you'll be the first to get the new edition. A good deal no matter how you look at it..!

## INCREDIBLE PATTERN BOOK IS COMING!

Jerry Starr and Wes Boyd have volunteered to do all of the drawing for the pattern book, thus simplifying the coordination and providing better standardization. Those members who have volunteered to work on this project will be receiving instructions shortly. Several hundred members have reserved copies of the Pattern Book and it promises to be at least as much a winner as the NRC Log... **Watch DX NEWS for latest information on availability and final pricing...**

## HE'S NRC'S OWN CAPTAIN GLOTZ...

"Captain Glotz is definitely out of sight; the ultimate in pathos and suspense. When is it going syndicated in the Scripps-Howard chain? **Who does the drawing?**" (Bill Feidt) Captain Glotz is the brainchild of the highly talented Carter Scholz, currently studying at the renowned Rhode Island School of Design. **Any resemblance between the content of Captain Glotz and real DX'ers or Radio Clubs is obviously fortuitous...**

## CREDITS DEPARTMENT...

Publication of the last issue of DX NEWS made possible through the voluntary efforts of Ray Moore, George Kelley, Ruth Nelson, Diane Nelson, Wayne Matson, and GPN. **Composition of this week's over stuffed 40 pager the joint effort of Gregory Carrington, Lynn and Cary Pall, BGK and GPN...**

## LAST VOA OKINAWA TEST A LOSER...

The final test from the VOA on 11/21 seems to have been a complete washout;  $A_{fr}$  was low, 6, but it would appear as if the Midwinter Anomaly has once again reared its ugly absorption... **The evening of the 20th featured moderate to crummy TA's, mediocre LA's, and not a trace of the Mideast.** While several Boston area members got good carrier and some audio on the 14th, the 21st gave nary a trace...

## HQ TAKES A SHORT REST...

We'll now take a one week break in the publication of DX NEWS to allow the HQ crew to catch up a bit on such mundane but necessary tasks as sleeping, working, etc. **Weekly schedule resumes in one week...**

GPN, BGK, RGC, CDP

# C.P.C. REPORT!



Meet Your CPC!

*So far this season, here are the NRC members who will be responsible for the DX Tests you will be hearing:*

*Wes Boyd - Jim Critchett - Dave Long - Eric Cooper - Eric DiStasio - Carl Dabelstein - Ross Hensch - Bruce Winkelman - Jack Widner - Paul Hart - Tom McCormack - Russ Edwards - Stosh Kowolksi*

*With a Club membership exceeding 500, wouldn't you think more than thirteen members would be interested enough to do a little CPC work? To those who have volunteered, we salute you for your efforts. To those who haven't....don't you think it's about time? Think about it.*

*Here's the CPC Scorecard as of November 1971:*

<u>NRC</u>	<u>ORCA</u>	<u>NNRC</u>	<u>Other</u>
12	5	2	3 (all UDXC so far)

*Everybody seems to be off to a slow start this season, how about some more volunteers. Remember, there are no quotas in CPC, just as much as you are able to do. Even if you can only write a few CPC requests, you might score a good test. Write me for all the CPC details. OK? YD's own Wes Boyd seems to be doing quite a job this year, he's snagged five of the NRC DX Tests listed above in the totals. Good job, Boy!*

73's  
  
 Jerry Starr  
 401 N. Blaine  
 Youngstown, Ohio 44505

**FANORK!**

## SPECIALS

	Mo	Tu	We	Th	Fri	Sa	Su	Call	Time	Loc	Power
Mon. Nov. 29	W M G S	730	Bowling Green, Ohio						12:01 -		NRC
29	W C V R	1320	Randolph, Vermont	1,000					2:00 - 4:00		ALL
Mon. Dec. 6	W C G R	1050	Pastillo, Puerto Rico	1,000					1:00 - 1:30		NNRC
6	W K T J	1380	Farmington, Maine	1,000					2:30 - 3:30		IRCA
6	W T C L	1570	Warren, Ohio	1,000					4:00 - 4:30		NRC
Fri. Dec. 10	K W Y R	1260	Winner, South Dakota	1,000					1:01 -		NRC
Fri. Dec. 17	W M B G	740	Williamsburg, Virginia	500					1:15 - 1:30		VDXA
Mon. Dec. 20	W O B R	1530	Wanchese, North Carolina	250					4:00 - 4:30		NRC
Mon. Dec. 27	4 V E C	830	Cap Haitien, Haiti	2,500					2:00 - 3:00		VDXA
Fri. Jan. 21	W M B G	740	Williamsburg, Virginia	500					1:15 - 1:30		VDXA
Mon. Jan. 31	4 V E C	830	Cap Haitien, Haiti	2,500					2:00 - 3:00		VDXA

WMGS-730 This info received too late for most of you, but we hope a lot of NRC members will hear this special TEST from a rather rarely-heard one. Reports go to Mr. Van Cook, WMGS, 138 North Main Street, Bowling Green, Ohio, 43402. They'll use cycle tone, IDs, and country music, and return postage is requested.  
WES BOYD

W-1320 Randall T. De Real, G.M., WCVR, Box 1320, Randolph, Vermont, 05060. See last week's DX NEWS for more detail.

WCGR-1050 Note this one's address: Larry Trumbower, C.E., WCGR, Apartado 248 - Juana Diaz, Puerto Rico - 00665. Look for some Morse Code IDs, and some marches, and tones. WHN will be off.

W-1050 Be sure to send a thank-you note to this fine station's Chief Engineer, Mr. Durkin, who very graciously has promised to have WHN off the air for WCGR's TEST. This is indeed a kind gesture - be sure to show him you appreciate his thoughtfulness towards us DXers!  
John Tweedie, of NNRC's CPC

WKTJ-1380 Chief Engineer, WKTJ, Box 590, Farmington, Me. 14938. TT & mx & IDs.

KWYR-1260 This is their annual Proof of Performance Test. They'll use a wide range of music - country, rock, and easy-listening. This station gets out excellently, so don't just assume you can't hear them - tune in and TRY! Write to Mr. R. Sturm, Chief Engineer, KWYR, Winner, S.D. 57580.  
WES BOYD

WTCL-1570 This date & time are tentative. The format of the TEST is not known either, but there will be some Morse Code IDs given to help you ID them on a tough (CKLM/XERF) frequency. And - wedon't have their address or verie signer either!  
WES BOYD

## PLEASE??? THANK YOU???

Maybe we as DXers should begin to make our thoughts known to some of the all-night stations. For example, when we hear them silent on these rare occasions, like when WCBS-880 was off a few weeks ago, and like when WSLR-1350 was off on 11/15, a THANK-YOU letter to the station's general manager might do some good. At least he would know something about the DXers' viewpoint. And, perhaps a few words to some particular AN-7 station which bugs you might just possibly do some good. But above all - remember to keep the letter COURTEOUS! If we're to get any breaks from the all-nighters, we have to write our letters carefully, and remember not to be abusive or grouchy or demanding! But certainly, a thank-you to all-night stations noted off on these rare occasions cannot do any harm, and who knows? It MIGHT just do some good!

## HEARD SINCE LAST ISSUE

## "AN" SITUATION

1170 W - - - Somerville, N.J. (daytime ETs)

OFFS: 1360 WKMI & WSAI!

1560 W S H Y Shelbyville, Illinois

ON: 1230 W J O Y SPU, FMs?

NOTE: The DOLLY HOLIDAY SHOW is dying out!

## MUSINGS



Editor: ERNEST ROSS COOPER  
438 East 21st Street  
Brooklyn, NY 11226

PAUL KILROY - 2100 Brooks Drive - Suitland, Maryland - 20028

DX time has been extremely limited here except for a few post-midnight sessions which brought in a few new ones but mostly common TAs. 10/18-XEVIP-1560 @ 1:50 EDT in EE. WWTN-1550 Mass. ET @ 2am. Outstanding TA signals from 1:45 to 2:55am on 1586 1554 1466 1457 1385-RNE 1377 1088 1578. 11/8- UnID w/light instrumental mx on 1115 @ 1:45am EST. Good BBC signals on 1214 & 1295 @ 1:55. An unID s/off on 1300 w/call that sounded like KCFX, 5,000 D, 1,000 N, @ 2:10am. Anyone help on this? ZFB-960 w/VOA NX @ 2:30am, not rare, but not heard for some time. 11/10- 1562 SBC in @ 1:30am for tape & verie try again. 1502 @ 1:20 had some AA chant mixing w/unID which was probably Poland. No chance yet to replay tape. Germany in well on 1602 @ 12:45am for tape for possible verie. 1016 too much QRM to ID one @ 1:05. To date, no reports sent or veries received. A heavy work load prevents marathon DX sessions although CX are outstanding.

HARRY HELMS - 115 West LeRoy Street - Fort Mill, South Carolina - 29715

DX continues to be good. Have a gander: On 11/8, WKYE-1550 noted nicely atop charnel w/c/w, ads @ 4:45pm. WRFC-960 heard well @ 5:07 to bring back memories, new format, though. WFBR-1300 heard w/NX for Maryland @ 5:18pm, WMAK nulled. WOOD-1310 5:30 w/NX/WS, then c/w. 11/9- Brought WTQX-1570 s/on @ 7:15 but quickly killed by WSSA-1570 s/on a minute later. WWCW-1560 omni-present @ 5:36pm w/gospel mx. WAMY-1580 s/off 5:45pm w/WCLIS nulled down somewhat. 11/10- Conjured up an unID s/on on 640 @ 7am, SSB, then NBC NX, probably WHLO. That afternoon, WRIZ-1550 was noted @ 5:28pm s/off, giving XR location, etc., but covered before any SSB heard. Nice-1554 carrier in nicely about that time causing QRM to 1550. CHOW-1470 atop glop w/racing results @ 5:55pm, "See-How" ID @ 6pm, then into NX. 11/11 brought in the following AM DX: WYTI-1570 w/farm MX, fertilizer ads @ 6:34, call sounded like "WICY" due to extreme southern accent. UnID on 1560 w/c/w, farm ads, time checks in CST, lost to chorus of WTAI/WCCP/WAGL etc. s/ons @ 6:45. Who? WRCD-1430 briefly atop with thrilling news of Boy Scout Paper Drive @ 6:55. WKEX-1430 either s/on or abrupt upward fade @ 6:58 w/jingle, then into NX. WHIS-1440 was noted u/pest WQOK @ 7:08 ending NX, then three straight local ads. More soon. 73.

SHELDON MILLER - 7904 Harding Avenue - Miami Beach, Florida - 33141

Hi folks. I'm back in the NRC after an absence of about three years. I sort of lost interest for a while, but I think I'll be getting back into it. I still have to acquire a decent RX. I might relieve Mr. Schatz of his if he gets a new one. Recent DX includes a powerful Haitian on 910, which most of you know about by now. Also logged lately: WOGU-820 @ 7pm s/off; a strong Colombian "R. Peninsula" easily covering all domestics on 1170 during the early evening. Another new Haitian, "R. Lumiere" on 660 o/WNBC & Cuban for s/off @ 12. They use EE & FF for s/off. The EE announcer is American and the station seems to be religiously oriented. WMTN-920 W.Va. noted w/CBS NX @ 7pm, new one here. XETU-980 Tampico, noted most evenings, reported. WWDJ-970 noted for new one, very good here most evenings. WFLA-970 is progressive rock, 12-6am, & WQXT-1340 Palm Beach all progressive rock, NSP. WAVS-1190 Ft. Lauderdale is directional N so some of you might look for this one. They hardly have any Miami signal at all. Ecuador heard on 540 last night, easy catch but quite a bit of QRM. DX CX seem to be getting very good here. I can get WBZ & WCBS as early as 4:15 or 4:30pm, which is the typical Winter pattern. One more thing: I have good cassette tape equipment and if anyone wants any local AM or FM station tapes, maybe we can do a trade. 73. (Well, welcome back, Sheldon! -ERC)

BERNIE DUFFY - 350 Richmond Terrace - Apt. 11 - Staten Island, New York - 10301  
Rich Richman heard Somerville, N.J. on 1170 on 11/12 @ 4:30pm,

IDing on test.

JAY MURLEY - 1733 Candlestick - Newport Beach, California - 92660

I stayed up for the 11/k4 VOA TEST but I never noted a carrier, if the TEST ran as sked. I did have a considerable problem w/KCBQ (San Diego) splash that couldn't have been looped in any case, with the loop busy nulling local ~~XXXX~~ as always on VOA receptions. Perhaps it was on? A few random notes: XEGM-950 Tijuana, now 10,000w per S.R.D.S. (What's that? -ERC) Logging tips: it's a personality station, AN, w/five minutes of NX in most hours, & boxing every Thursday from 11:30pm to about 1:30am EST. All in SS, of course. One tip that may prove useful: KLEI-1130 Hawaii, has been 40 db o/S-9 lately, w/CKWX, B.C. only 20 db w/KLEI looped. They've been announcing "We're still experiencing intermittent trouble with our XR". Some trouble! The format, which used to be excellent Polynesian mx 100%, is the sort of salable bland background mx that has to be monitored waiting for infrequent IDs or spots. But with KZ00-1210 Hawaii barely audible w/loopable WCAU time & date with these KLEI receptions, a few minutes on 1130 might be profitable to some not bothered by WCAR WDGW WNEW or CKWX, most particularly on MMs from 3-5am. Two pieces of choice DX on SM 11/14- 1YC-880 audible, best @ 9:34 on very specific opening, w/no sign of Tarawa or Tonga here. No other Zedders good enough for definite logging, however. BBC-1214 logged for FIFTH time this season by loop direction & 8:06 11/14 fade-out of carrier w/occasional frustrating pieces of illegible, fluttering audio. This has been a great season to date, particularly for specific TP openings here on the WC. One thought: Urumchi-1525 has been heard by several on the EC this year, but is much less audible for us on the WC (per various reports). Could it be that the Chinese have directionalized the multi-megawatt? Or haven't us WCers reported major openings into Western China if they have occurred? I hope CX maintain.

BILL FEIDT - 8708 Contee Road - Apt. 14 - Laurel, Maryland - 20810

CX continue to be outstanding w/many new catches added since my last report, so right to it. New loggings: 11/4- Vinnitsa-1546 7:10-7:35pm w/operatic selections & talk in Russian or Ukrainian; R. Moscow IS @ 7:29. 11/7- WRRZ-880 M.C. 6:45-6:59am w/gospel-religious program & ID; about even w/nullled WCBS. 11/8- KRAK-1140 Cal. 12:20-12:29am w/"World Tomorrow" & good ID for tape; QRM from SS and nullled WRVA OC. Oran I-548 1:05-1:10am w/AA chanting; easily split off from 550. Radio 4-1052 Start Point, G.B. 2:05-2:10 w/Home Service. Radio 4-1151 Stagshaw 2:15-2:16 // -1052. KS00-1140 S.D. 2:26-2:27 w/ET; probably on day pattern as signal was very good. Radio 3 CW-1546 G.B. 2:35-2:45am w/light cl mx, very weak, but // -647. VSZ1-844 Tarawa 3:30-3:51am w/Polynesian mx & lingo at surprisingly good level; also noted @ 4:22 w/GSQ. See IDXD for somewhat more detail on some of these foreign catches. WKJB-710 P.R. 4:13-4:15 s/on-SSB & ID in SS. WXIW-950 Ind. 5:30pm s/off without anthem. 11/11- WCIW-1140 O. 5:45-5:15 s/off, SS QRM, probably WQBA. WISN-1130 Wis. 5:25-5:30pm way atop w/MoR & ID; WGAR/WNEW usually dominant. WPEO-1020 Ill. 5:44pm s/off about even w/weakish KDKA. 11/12- WUFO-1080 N.Y. 6:45am s/on w/location given as "Amherst-Buffalo." WWDR-1080 N.C. 6:46am w/SSB after s/on message. WSVS-800 Va. 4:58pm s/off w/no anthem; promo for FM. WBBI-1110 Ill. 5:28-5:30 w/"Mx Along the Way" & s/off; promo for FM; way atop usually difficult frequency. KTUF-1580 Ariz. 7:10-7:15 w/spots for firms in Phoenix & SD "Great Scott, KTUF, KNIX", also noted 11/14-15; seems to peak around 7:15 just before XEDM takes over. 11/14- HIAW-690 Santo Domingo 5:30-5:40am w/complete ID including call & R. Guarachita slogan; QRM from OMBC. VOA Okinawa not heard. WIDG-940 Mich. 6:15-6:33 w/pop mx & ID @ 6:30; slogan is "Voice of the North". 11/15- WHFB-1060 Mich. 1:02-1:07am w/ET/OC/TT. KFRP-940 Cal. 2:25-2:35 w/pop mx & ID; slogan: "K-Free, Radio Free Fresno", KIOA not noted. WPJD-1550 Tenn. 2:50-2:56 w/ET/orgam mx & ID about every minute. KCNW-1390 Okla. 3:31am briefly above mess w/ID, NEP now? After many years of trying, KORL-650 3:40-3:50 w/George Landry weekend program & beautiful ID for tape @ 3:45, faded then. YVNC-740 Ham s/on. EUGV-1190 4:30 ID, R. Caribbean Int'l-840 4:50am ID & religion. I also have 14 new tapes.

FRANK JOHNSON - c/o Hillside Home - Box 388 - Belfast, Maine - 04915

Can you help me w/VOA-1160? I would like to know the location. I was trying for KSL but could not log them. The VOA gave the TX @ 0500 GMT & again @ 5:30. I'm using a Hallicrafters S-240. I'll try for a few this season. (No info of a VOA on 1160 here, Frank - nice hearing from you! -ERC)

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

New log in WMAX-1480 Grand Rapids, ex-WAFT @ 3:30pm on 11/2. Also WILLI Hempstead N.Y. s/off 4:45pm w/WKYC w/no anthem, good log here. Also WAVA-780 @ s/off 5pm, not too bad w/WBEM. Two other stations in U.S. there afterwards, probzly the two Carolinians WCKB/WBBO. WHEB-750 in Portsmouth, N.H. o/u WPDX @ 5am for first log of this station in a long time. On 1580, WCCR s/off 5:45 & at 5:46, WAMY s/off, no anthem, #111 in Michigan logged when WSTR-1230 Sturgis briefly atop @ 6:15pm. I went to SW for a while & cam back to note R. Condon de Habana alone on 830 so I thought I'd check around. Just as Breger in N.Y. reported an SS weak on 715k @ 10:45pm. I noted R. Caribe ID several times also. Is this new slogan for Tegucigalpa? Only slogan noted. SS on 756 announced @ 11pm as "una emisora de R.N. en Colombia." I thought this to be an off-frequency Cuban but all the cl mx had me wondering. Now I've got a good one for ERC- a very very loud het on low side of WWVA, on 1165k @ 11pm w/ER coverage. It was WGLI, Babylon, N.Y., excellent signal on RS w/ads, coverage, etc. I can't even find what frequency they are supposed to be on, any help? (1290 -ERC) And how would you log this one? It must go down as my strangest log ever. 1115k @ 11:50 pm has ID for "R. Circuito de Leon - YNP in Leon, for new log. R. Columbia-725 w/nice singing ad to "Get Me to the Church on Time", TILX, SanJose @ 12, new log. ninth new log of PM. On ER 11/3, I noted new WCRO-1230 Johnstown, Pa. @ 1:10, WJTN atop 1240 from Jamestown N.Y. @ 1:15; WDAD-1450 Indiana Pa. atop @ 1:15. 11/7- Great AM w/many countries audible - Ecuador, Colombia, Peru, Costa Rica, Panama, Senegal, Cuba. Only new log was R. Carrousel-655 Guayaquil loud @ 1:30. Jammer on 1140 not too icable - maybe off. Someone testing w/NX w/WRVA's OC @ 1:40 & off, anyone catch 'em? Many others there also but too weak for IDs. Then on 1190 new log in R. Cordillera, Bogota w/its Todelar AN @ 2. Very weak IT on 1580 2-2:10, no IDs - interesting. KORL-650 in w/S-9 signals @ 2:10. WISO-1070 Madison on AN today - I hope that's not permanent. CHAT s/off @ 3:05 w/GSQ. HJZI-1550 R. Fantasia ANING @ 3:30 - I haven't seen this one reported before!

QUENTIN K. BROWN - 59 Kenilworth Street - Ottawa, Ontario

Radio listening has been very enjoyable recently w/two excellent TA openings on MM 10/18 & on the evening of 10/26. Thanks to Jerry Osborne I was able to add many new countries, the best being Italy & Libya. Both openings were low latitude ones. Still with foreign DX there have been two drifting IAS monitored here. On 785A a wandering Cuban, R. Rebelde from 780 has been very loud. Another has been heard on 757A w/continuous mx & so far unID. There also appears to be a new station on 810, a "R. Sublaten" or something phonetically similar and this is yet another Cuban. Very strong on Friday AMs w/WGY off the air. There is also no WKVM interference as, since the time change, they have not s/off @ 1 our time any more. IDs after every song & location IDs on the half-hour. One recent foreign verie: CMCA-830 a nice long letter apologizing for the delay in answering the letter (13 months) and thanking me for my postcard of Ottawa. He sent along an industrial magazine as well. Also corrected me on my spelling of "R. Corazon" - it should be "R. Cordon." Anyway that makes six Cubans verified. On the domestic scene, another tip from Jerry Osborne brought a long-wanted logging of CBD in St. John N.B., an excellent example of late SSS skip. They have been heard here a couple days in a row, fading in @ 6:13pm, strongest from 6:45 to 7 & out by 7:15. At 6:30 there is a station break but no ID. At 7 there is a full ID. Programming at this time is relayed from CBA. That completes St. John for me & leaves four stations to complete hearing the province. I believe Wayne Plunkett has heard the whole province so there is a chance for me though CBZ-970 would be difficult. One domestic verie in, WYRE-TEST. I went down to JIRC in August & got our ERC's report & CE said he'd get a verie out. Did he? (Yes indeed, Quentin, and many thanks - ERC)

FRANK WHEELER - 6589 Wattsburg Road - Erie, Pennsylvania - 16509

About time I got in my first report of this season. I received a few new ones as follows: 9/17- WYRE-810 TEST 11:45pm (9/16). They sent a nice verie., postcard & CM. 9/20- WJTN-1550 12:25-12:33am test. 9/26- WKWR Mich. 2:3 am. 10/7- WVIP-1310 6am. 10/27- WHAW-980 W.Va. 10/26- WTVR-1380 Va. 10/18- KDL 1380, 2am. 10/21- WAPG-1480 Fla. 5:58pm & WUOK-1270 Md. 5:28pm all new. Totals

This is Issue 39-8.  
Copy deadline for #  
39-9 will be 12/1/77  
Thank You

Bob Foxworth  
GPO Box 2111  
New York, N.Y. 10001  
(ph.: 516-248-4394)

All Times in IDX are in GMT. Receptions:

- 520 W. Germany. 0125 11/15 mixed with strong beacon and SAH interference and some fading, but understandable. Pgm of quiet, sedate "after-midnight" mx uninterrupted except for amts and news on the hour, in German. Rcvr for this, and 529 items: Grundig 6001 and "Sanserino Loop". (Kocsan, N.J.)
- 529 Algeria. Ain Beida 11/14 2202, altho hampered by het and beacon RI, produced strongest audio yet hrd from any TA with male chanting and vernacular s/off. S/off came at 0139 on 11/15 after concluding amnt by YL and a very un-Arabic sounding brisk NA by brass band. (Kocsan, NJ)
- 529 Switzerland. Beromünster at 0522 11/15 also with bad het and beacon RI. Weak with band and German waltz mx, constant moderate fades. Amnt at 0530 in German was brief with mention of "schweiz" hrd. (Kocsan, NJ)
- 548 Algeria. Oran I noted with very good signal 11/8 from 0605-0610 with Arabic chanting. The SM-1 is very useful in adding to the HQ-140-X's selectivity down at the low end of the band; makes splitting off 2 kHz like this a cinch. (Feidt, Md) (Virtually any moderately high Q circuit will do this at the low end of the band; 2 kc change at 550 is a much bigger percentage change than it is at 1600. The best antennas available today allow peaking whichever sideband you want on TA's at the bottom of the band, hi-ed)
- 566 Eire. Athlone in at 2312 on 11/7, quite clear and free from WFTL. (Dangerfield)
- 611 unID TA carrier probably Morocco noted 11/8. (Hauser, Tx)
- 649.3 Ecuador. Cf previous report 11/8 1029 "beautify the country" spot in Spanish, thot I hrd Guat. ment, but then believe hrd "R. Visión presentó.." 1037. (Hauser)
- 650 Hawaii. After literally years of trying, KORL finally logged and taped on 11/15 from 0840-0850. Had carrier here most of the morning but no audio until this time. Faded up for about 10 minutes to very good level with George Landry Weekend pgm of pop mx. Clear ID as "KORL Honolulu" at 0845 and on to a sports summary. Was beginning to think I'd never get this one, but 16 years of persistence finally paid off. (Feidt, Md) (Last time I hrd them was in '67-ed)
- 650 Venezuela. Radio Girardot noted at 0958-1002 11/15 with NA and s/on in Sp., made no ment of call sign. (Feidt, Md) (also 690 item)
- 690 Dom. Rep. HIAW, Radio Guarachita, Sto. Domingo on 11/14 1030-1040 with complete ID including call and slogan, into Spanish mx but soon buried by CMBC.
- 692 England. Still the dominant one here though mixed with East German prior to 2345 s/off. (Dangerfield, Pa.)
- 700 unID. 11/8 at 0902 stn SAHING WLW, gave ID of "radio.." with 2-syllable name, stressed on first, "canal RSS" or similar. No clues here, any ideas? (Hauser)
- 701 Andorra. Hrd 2128 11/14 at good level over het from WLW with "tear-jerking" drama in French. (Grant, Mass)
- 710 Puerto Rico. WKJB Mayagüez 11/8 from 0913-0915 with s/on with SSB, ID in Sp., and into talk, was about even with WOR with the latter nulled. (Feidt, Md.)
- 740 Venezuela. YVNC Maracaibo on 11/15 0858-0902 with anthem and s/on. Gave call and slogan, frequency, pwr, location, mentioned Rumbos network. Cuban IS also noted in background. (Feidt, Md.)
- 746 Holland. Lopik I hrd 0600 s/on into news in Dutch, then either continued nx or into long commentary 0610+ for cy. #73 11/8. (Edmunds)
- \*\* 758.8 Panama. HOXO here with Spanish semi-classical guitar mx, very low-key ancr, 2315 and on 10/26 with ID at 2331 then news; strong at times on Beverage, nonexistent on loop. (Starr, Ohio)
- 760 Venezuela. Radio Puerto la Cruz s/off 0400 11/5 with "official station march" then choral version of NA. (Gleason, P.R.)
- 764 unID. Het and sometimes, a signal here in mid-evening noted during Ramadan. Trying for Sudan, but so far the LA station is too much. (Dangerfield)
- 765 El Salvador. To compound the situation: (continues next page)

- 765 (ctd) s/off 11/5 at 0601 gave following lineup: 760 in San Salvador, 780 in Santa Ana and Usulután; 770 in San Miguel and Sonsonate; and 6090 (new) SW. Check your lists to see the contradictions. NRC Log says 765 is Usulután. (WGH)
- 820 Colombia. Whoever rptd HJED silent MMs is wrong; HJED noted 11/1 at 0700 w/ usual Caracol junk. While no ID from L.V. del Rio Cauca actually hrd, this stn was actually woefully weak on a fantastic LA night. Makes me wonder if there are 2 Caracol stons on 820, maybe? (Hoogerheide, Mich.)
- 830 Mexico. XELA 0606 11/8 "buena musica en Mexico" ID, 185/min SAH w/WCCO. (WGH)
- 840 St. Lucia. Castries, s/on 0917 11/8 then, "Back to the Bible" pgm. (Starr)
- 8 Radio Caribbean Int'l on 11/15 0945-0950 w/"Back to the Bible", clear ID in English 0950 and into further relig pgmg. This is a very crowded spot at this hour these days. (Feidt, Md.)
- 840 Panama. La voz de la Revolucion, Panama like a ton of bricks 10/25 around 0500 but absent 11/1 with only Colombian noted on 840. (Hoogerheide, MI)
- 840 Colombia. HJBI noted quite strong and all alone 11/8 at 0730, gave a very clear ID with all details; 10-second involved harp arpeggio, "desde Santa Marta y para toda la costa principal transmite ondas del Caribe, estaciones HJBI 840 kclos, canal presidencial, (?-not sure) HKBI 91.7 mclos Frecuencia modulada, ondas del caribe con diez mil wattios de potencia siguiendo -- de la costa norte de Colombia. (a couple of words not clear). Then, martial type trumpet fanfare, spot with man-woman animated dialogue. Actually someone was way below, about 40 db down. (Foxworth, NY)
- 844 Gilbert & Ellice Is. Tarawa on 11/8 from 0830-0851 with man with talk, app in Vernacular, between mx selections; noted one distinctive Polynesian choral piece and two fast ukulele selections, definite mention of Tarawa around 0845. This one was surprisingly strong and had very little fading, but WHAS was testing with OC during much of this period, still Tarawa held its own against even this atrocity; noted again at 0922 with GSQ but somewhat weaker than earlier; no WHAS at this time, though. (Feidt, Md.)
- Carrier first noted on 844 appx 0715 11/15 with one on exactly 845 causing a nice het. 845 faded out by about 0745 and 844 kept increasing in level. First pulled audio 0747 to 0750 and generally was in more than it was out between then and about 0820; in about 70% of the time with moderate fades. Carrier was BFable throughout the half-hour. Taped several group vocals, some slow, one moderately uptempo; several instances of woman talking. At 0816 woman was up quite high for about a minute. Noted 4 chimes at 0800 and some orchestral mx, then woman speaking, was not especially strong then. WHAS had constant OC though not a great problem; WHDH splash mildly bothersome when they played a bouncy record. Had to adjust xtal phasing very critically to get Tarawa audio. Although I tried for an hour between 0825 - 0925 the signal then was much weaker and nil audio hrd. KFI, KSL, XERPM were all quite good this AM. Tried 650 but local WOR-WABC combination spur covered that pretty well. I note similarity with Feidt's report of the previous week in that signal seemed to peak roughly around 0830 then fade before s/off and am wondering if there is a "sunset enhancement" effect at work? IRCA SR-SS map indicates LSS nearer 0600 on 11/15, though. Sent tape report and a request for time of LSS there. Never expected to hear this one as I am on the 2nd floor of a 4-floor brick apt bldg and signal had to pass thru 2 of those, lengthwise. Westerly reception hasn't seemed that good for me, here, so I can only assume that Tarawa must have been just tremendous 11/15. (Foxworth, NY)
- 845 Italy. Roma II hrd with exc level 11/9 0125-0132, had cl mx to 0130, ID in Italian, OC to 0131, ID in French and into news in French, some WHAS hash but not bad.
- 854 unID. This one again, undeniably with Koranic chanting, still looping 70° 11/9 0215. Ben D. thinks this may really be Amman - any ideas on what REAL power there is? (Edmunds, NJ)
- 855 Peru. Radio Nacional running AN 11/9 0803 referring to "peruana" and "R. Nacional - la primera del pais" amid intermittent KONO-TT. (Hauser)
- 860 Mexico. Radio Universidad local-like s-9+20 on Beverage 0610 with cl mx continuously until ID and s/off amnt 0654, then short cl selection until 0658 carrier cut 0658. Real armchair copy. (Starr, Ohio)

863 France. Paris noted 0545 11/8 with pgm in Portuguese for PP-speaking workers in Paris; into similar Sp. pgmg 0550 so beware on this one. (Feidt, Md.)

881 Wales. Washford 11/8 with TT to 0622 then into bell IS, Radio IV ID noted at 0625 and into news summary; WCBS was off, praise be. (Feidt) (The reason for WCBS off was for "quarterly tower inspection and beacon relamping" as required by some obscure Washington agency. I will try to determine date of next silent period in advance, although these shutdowns are contingent on weather being good enough to allow riggers to climb tower; cannot therefore pass word in this column that far ahead. I noted SS on 880, unID around 0640; had no evidence of TA activity here, WCBS was on FT later that AM. -ed) (also, those of you who read Variety know of management shakeup at Newsradio 88; as best I know, CBS Radio policy will be to continue AN-7 operations at those stns now so operation-wise. -ed)

926 Belgium. Brussels on late Sunday for Belgian elections, weak to fair signal until 0130 Monday (11/8?-ed). After Radio Victoria s/off 0100, another signal was mixed with Brussels and I note that Izmir is on the same path. Another to try for. (Dangerfield)

935 E. Germany. Burg hrd 0020 11/14 at fair to good level with MoR mx, ID in German at 0029, IS and s/off 0030. Agadir, usually here, was inaudible. (Grant, Mass)

946 Ecuador. Radio Ifessa, Guayaquil s/off 2303 10/29, no anthem or anything, just a short ID and off. (Starr, Ohio)

963 unID. At 0418-0445 11/9, seems to be in the direction of Europe but lang seem3d Eng. WPEN splash just too much. In the past I hrd and vfd Brno here and languages can be deceiving, so who knows? I have also vfd EAJ-29 when WPEN was off. (Dangerfield)

962 Finland. A stn s/off exactly 2200 11/7 which is the s/off time for Turku as noted by me while in Finland last summer; I know Tunis stays on much later. Unfortunately I did not get to 962 in time for a report. Later, I heard a weak s/on at 0400, before the Tunis carrier blasted on at 0440. (Dangerfield)

975 Ecuador. HCAW-2 was s-9 2245 10/29 on Beverage. (Starr)

989 unID TA carrier 0622 11/8 likely Madrid; from southern Europe. (Hauser)

990 Venezuela. Radio Tricolor, Barquisimeto ending newscast 0400 11/5, then a priest read a prayer. Lost signal in middle of the prayer. (Gleason, P.R.)

996 Moldavian S.S.R. Kishinjov probably the stn hrd 0050-0120 11/16; covered by WCFM splash most of the time and lang was indiscernible. However, a Radio Moscow IS was clearly hrd at 0100. This stn may be used in the foreign svce of R. Moscow during this time period. (Grant, Mass)

1040 Brazil. Radio Tupi good 0720 11/7. (Dangerfield)

\*\* 1045 Guatemala. Radio Sol, TGSL, Santa Lucia Cotzumalguapa here ex-1050, 11/9 0250 noted / 2nd harm, 2090, where first discovered. (Hauser)

1052 Romania. Iasi with some kind of Slavic folk mx, similar to polka but slower in tempo, really smashing WHN 0433 11/8. (Edmunds, NJ)

1052 England. Start Point 11/8 from 0705-0710 o/u 1050 mess with HS, noted with wx at 0715. (Feidt) @ Finally logged almost atop WHN with talk 0648 11/8(RJE)

1061 Portugal. Incredible signal 11/8 0702 easily separable, exc audio and steady until finally faded down 0706. Also in on 11/5 0710. (Hauser)

1097 Canary Is. R. Atlantic hrd weakly with amts after 0703 s/on 11/8 into Sp. Mor; strane accent. (Edmunds)

1106 W. Germany. AFN Munich hrd very well at 0542 with rock show 11/9, also noted well on 11/10 at 0023 for you early evening DXers. (BGK, a late-evening DXer)

1106 Lithuania. Vilnius also hrd well from 0400 on with light piano mx crushing AFN 11/10 and, low-power Spaniards made a great deal of noise at times. (Kelley)

1151 England. Stagshaw 11/8 0715 // 1052, quite strong and easily over 1150(Feidt)

1160 France. ORTF Strasbourg actually atop WJJD with light orch mx and man-woman talk, 30/min fades (SAH?-ed), sigs to s-9 2155 11/10. Incredible. (Edmunds NJ)

1164 unID. 11/5 0015-0105 with dramatized historical event to 0030, then a pgm on life of Salvador Allende G. til 0045. Spanish lang, very poor. Lack of ads on hour; pgmg indicates Cuban. Cubans, e.g. 1332, 1302, 1306 1369 in well on 11/5. (Gleason, P.R.) (Rptr in IRCA reports "unlisted Radio Liberacion relay" here (on 1163) but attempts to link it to Long Island stn WGLI....-ed)

1170 Puerto Rico. WLEO Ponce hrd 11/15 from 0628-0631 with soft Latin mx. ID on the half-hour included Radio Leo slogan. KVOO, WCOV, WWA all off. (Feidt)

1178 Sweden. H8rby hrd with German-accented Eng male ancr with news, o/u Spain 2248 11/10, taped ID as "This is Radio Sweden reporting" 2355, sigs up to 10 over s-9, more IDs at 0000. Cty #77. (Edmunds)

1178 Okinawa. VoA signed on at regular 1100 GMT SM 11/14 in Chinese; no sign of DX. Signal extremely poor. (Erickson, Cal.)

1180 Brazil. PRE-2, Radio Globo strong 0730-0800 11/7. (Dangerfield)

1180 Dom. Rep. HIBE s/off w/anthem 0629 10/31. (Starr, Ohio)

1187 Hungary. Szolnok hrd very well 0514 11/9, male/unmale ancrs, light piano mx, heavy WOWO slop a good deal of the time. Tnx Merriman for tip. (Kelley, unMass)

@ R. Petofi, szolnok hrd s/on 0520 11/10 for Cty #76 with talk. (Edmunds)

1313 Syria. Aleppo has to be the one chanting and looping 65° 2310 11/10, severe splash from CHGB. (Edmunds) (Also next item)

1313 Norway? Strong her here 0515 11/8 but no modulation. Could be either Stavanger or Simferopol from 35° bearing, but...hrd last note or notes of IS on channel at Stavanger's listed s/off time 2300 11/10, OC remained rest of eve.

1345 Kuwait. Chanting and Arabic mx with muted flat-sounding brass instrument, typical to Arabic mx at 5 over s-9 in peaks with long, deep fades 0150-0205 11/9 for Cty. 75; in well again about same time 11/11. (Edmunds)

@ Kuwait logged clearly 2350 11/7; my first time. (Dangerfield)

1355 Colombia. HJGI, Em. Jose Antonio Galan, Socorro, 11/12 0025 with Caracol net news, also 0055 with music and local deejay. Absolutely no sign of HJHW, if they are still on 1354. All HJ's were in, even the difficult ones. 11/12 had excellent low-band TA's and excellent HJ's .. that's all. (Gleason, PR)

\*\* 1379.5 Mexico. XEKT Tecate here; hrd with assumed 0515 s/off 10/31 after sports event. Good strong audio and lots of QRM. Again at 0000 11/7 causing strong audio and het; ment "en Tecate" during ID the call not caught. (Erickson, Cal)

1394 Albania. Tirana is the weak signal at 0300, using pattern toward USSR. (Dgr'fd)

@ Tirana 11/9 0513 weak talk but good carrier, German?; 0527 Internationale. (WGH)

1439.5 Dom. Rep. HIAU s/off 0330 11/5 with anthem, ment 49 meters at s/off. (Gleason)

1455 unID, not 1456, looped HJ, 0300-0400 11/5, variety of mx, very weak and deep fades. 2nd time noted. Oops - hrd s/off 0410 and IDed as HOD-42. (Gleason)

1459 Colombia. HJAL, Radio Sincelajo noted 11/3 0345-0415; Todelar mx to 0400 then local deejay show. Noted about 100 Hz lower each night 11/5 and 6. Don't let them fool you - Todelar net has lots of Bogota PSA's. (Gleason)

1463 Costa Rica. Radio Monumental hrd 0220-0235 11/5, TCs 2 min slow. (Gleason)

1464 Colombia. Radio Palonegro, Bucaramanga, Lebrija w/mostly XE-mx; same as 1463.

1485 Colombia. HJTC, Radio Sonsón, Sonsón, Antioquia 0300-0320 11/5 with pgm of tangos. First time readable, and I have been after this one for about 10 months. S/off with NA 0403. (Gleason)

1525 China. Here with exc carrier just below the TVI 2230 11/8. In again 2312-2340 11/10 with woman haranguing in Chinese-accented Russian, good audio, 10 over s-9. Had piano IS, lengthy and repetitive, then man in Russian when faded up 2329-2334, then returned to woman. P Taylor's evaluation of tape says man gave a fairly clear ID. Phenomenal! (Edmunds, NJ)

@ China its best level yet 0001 11/11 at fair to good level (Grant, Mass)

1546 Ukraine. Vinnitsa 11/5 from 0010 first noted as carrier with bits of audio and faded up by 0020 with operatic mx, into talk at 0028 with very fine level, definite mention of Vinnitsa noted; into R. Moscow IS at 0029 and further talk from 0030. (Feidt, Md.)

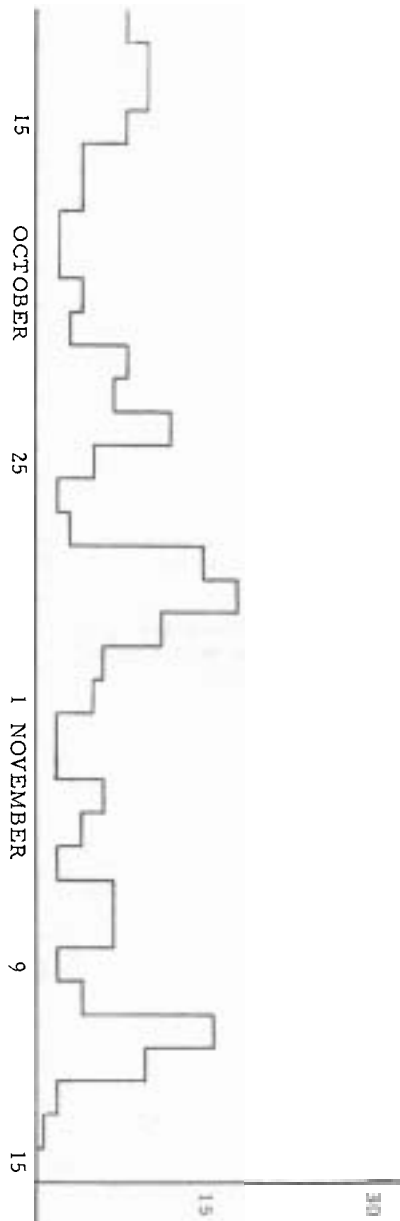
1546 England. Radio III noted very weakly 0735-0745 with light cl mx; this one was extr weak and had only bits and pieces just above the noise level, but pgm was definitely // 647. This one is practically never heard here and was an indication of the truly remarkable cx that AM-11/8- the best noted here in recent memory. (Feidt, Md)

I had to hold perhaps 40 tips, some of them nice but none really of a new or timely nature, and some "back of the file" and feat material. Glenn's harmonic items were typed last week. Now I have to close out and get this in the mail. Had to cut some of my own DX this time, even! I will try to get all the tips in next week. Very few will be tossed out. I, too, think this has been on balance a good season so far. 73 Brl

- 2090 Guatemala. TSSL found here 11/8 at 0205 as second harmonic of 1045; nominally 1050. No ID tho did catch a "desde Santa Lucia.." at 0313 s/off. On 11/9 at 0302 gave full ID as TSSL, R. Sol, 1050 kcs, Santa Lucia Cotzumalguape, 0306 off. (Hauser)
- 2200 Guatemala. TURS, Radio Superior, Escuintla mixing with YNQ harmonic, relatively clear after YNQ gone at 0400. Had florid s/off 0458. Off 0504. Said would return at 6 AM but didn't. Not in any list but there is a TURS, Radio Sur, 920, Escuintla, likely ancestor. Freq given as 1100, not hrd.
- 2200 Nicaragua. YNQ, Vox de la Victoria again on P x 1100 0200 11/6; was off at 0400 check. IDed as "YNQ Radio". Last hrd on 2200 in March 1967. (WGH)
- 2660 Ecuador. TC "en Cuenca, Ecuador" 1103 9/30; this would be HCLW5, Radio Canal 1330. Listed 450 watts on fundamental. (Hauser)
- 2860 Colombia. Weak, mentions of Caracol; "en Bogota..". HJNH, Radio Magdalena Santa Marta is apparently the only AN Caracol on 1430. (WGH) Note: STARR
- 2860 Guatemala. R. Huehuetenango, TTAG first noted 10/8 0040, much better 0140 and off at 0403. Not audible at all on QRMy fundamental 1430. (Hauser)
- 2880 Colombia. HJEX, Radio Tulua noted 0306-0334 10/8 Caracol plug, local aznats and ID "Radio Tulua de Caracol"; 2 x 1440 where not heard. Also hrd with "buenos dias" at 0506 10/12. (Hauser)
- 2897 Guatemala. Radio Nacional Mazatenango, TGMS, listed for 1450 so would be slightly off freq. Wishing "paz y bien" at 0320 and off 10/12. Logged with multistanzaed anthem 1157 10/13 and s/on 1201 with ID as "Radio Nacional, TGMS" and marimba mx. 2nd harmonic. Need I point out to those prejudiced against harmonic DXing that this indicates the possibility of DX on the fundamental of 1448.5 or 1449 (allowing for drift)? (Hauser)
- 2909 Nicaragua. YNTU, Ecos de las Brumas, Jinotega (surely one of the most picturesque alogans-wgh) 2 x 1454.5, first noted 0150 10/25 and improved by 0346, deejay chatter with room echo; ID as freq 1460 onda larga. S/off and anthem 0402. Never gave, to my hearing, callsign or QTH; listed on 1460 as 300 or 500 watts. Off at 0404. Also 10/23 to off at 0403. (Hauser)
- 2920 Mexico. XEHE, L.V. de Jalisco, Abotomilco el Alto, Jal. 10/8 0037 pgn "Rancho Alegre" with dedications; 0058 s/off giving call, back at 7 AM, off. Not hrd on fundamental 1460.
- 2940 Mexico. Radio Fiesta, XEEM showed up on 2nd harmonic 9/22 at 1017; was unreadable on 1470 at this time due to QRM. (Hauser)
- 2960 Mexico. Weak stn with het 0047 10/8; had news 0154 with VoA inserts, audible 0209 with similar ppgag on 1480; XETKR, Monterrey. "TKH" jingle hrd. (Hauser)
- 2960 Guatemala. TUIK Radio Rumbos noted 9/25 at 0346 with good signals, ID mentioned 1480, much stronger than XEEM-2940 at the time. (Hauser)
- 2980 Mexico. Puebla, XEZV 2 x 1490 hrd 1215 10/26 with 2-min fast TCs; SAN from another harmonic, probably WLOE. Also on 10/21 at 1204 a stn with slogan, Radio Sensacion may have been the same one. (Hauser)
- 5400 Mexico. XEED, Ciudad Casargo, Tams 1605 10/7 with slightly distorted signal and some SW-type fades; no QRM on 5400 from powerful local KOCB on same fundamental (1350) of which this is the 4th harmonic. Not audible on either lower or higher harmonics up to 10,800 kc either. Had frequent references to "valle del Rio Grande" and some US Military single sideband QRM. Hrd several times since. (Hauser)

\* \* \* \* \*

The above reports of harmonic loggings were all submitted by Glenn Hauser. Notwithstanding my remarks in IDXD a few weeks ago, we have subsequently decided there is merit in mentioning harmonics, largely from an archival point of view as this serves to indicate that the stations involved are indeed active; and if operating slightly off the assigned frequencies (e.g. TGMS, above) a likely DX target may be indicated. We are therefore modifying our policy to include occasional reports of this nature, as there does exist some interest in it, just as we do sometimes run Longwave material. Thanks to Glenn for these rpt.



This graph shows the daily values of  $A_p$ , the Fredericksburg index of geomagnetic/auroral disturbance in the Earth's magnetic field. High values of  $A_p$  occur during a heavy influx of electrically charged particles into the upper atmosphere as the result of certain types of solar disturbances. The medium-wave signal absorption produced by one of these events is strongest in high latitudes and persists for some days following the initial particle influx. Values of  $A_p$  above about 20 are inevitably associated with high levels of absorption along high-latitude TA and TP signal paths. Very high values (above about 40) are usually accompanied by E-layer blanketing over North America and Europe; on such a night stations from the South will appear to dominate most channels. Long periods of low geomagnetic/auroral activity are necessary but not sufficient to guarantee excellent high latitude TA and TP reception - other ionospheric effects such as the "Midwinter Anomaly" may effectively mask what would otherwise be periods of excellent reception on high latitude paths during periods of continued low geomagnetic/auroral activity.

THE BRITISH BROADCASTING CORPORATION  
BROADCASTING HOUSE, LONDON, W.1

TELEGRAMS: BROADCASTS LONDON TELEX \* CABLES: BROADCASTS LONDON-W1 \* TELEX: 22182

TELEPHONE: LANGHAM 4468 - Ext. 5438  
Engineering Division

Reference 02/EID/HDFP/X

18th November 1965

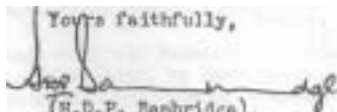
G.P. Nelson, Esq.,  
19 Irma Ave.,  
Watertown,  
Mass.,  
U.S.A.

Dear Sir,

Thank you for your letter addressed to the Engineer-in-Charge at Lisnagarvey reporting reception of our transmissions on 1340 kc/s on the morning of 2nd November.

We were interested to have your report of reception of our station, the details of which agree with what we were broadcasting at the time, and we confirm that it was our station to which you were tuned.

Your comments about the audio quality of our transmissions we found interesting but the lack of high audio frequencies on some of our transmissions is due to the fact that our broadcasts, in comparison with those of pirate stations, are networked although we do use to a certain extent the rebroadcasting technique with some of our low power transmitters. There are disadvantages in this system of working and most of our connections to the stations outside London are by Post Office land-lines. The audio cut-off of these transmissions is usually the sole reason for lack of higher frequencies on some of our transmissions and we would be interested to hear therefore your comments about the transmissions from Brookmans Park, which as you know is the London transmitter of the BBC, and whose land-lines are equalised up to 15kc/s which is the limit of the transmitter itself.

Yours faithfully,  
  
(H.D.P. Banbridge),

for

Head of Engineering Information Department

15  
THE ODDS ON EVEN TA'S

by Ron Schatz

Every DX'er is aware of the existence of powerful, legendary stations; stations that he should have bagged long ago but which stand tantalisingly out of his reach. What would normally be easy catches lie as spectres in his dreams, all for want of that dying blessing, a clear channel! DX'ers of the trans-Atlantics, in particular, have an impressive list of such stations: Rennes, Amman, Lisnagarvey, Alger, Göteborg, Skive, and more. All of these aforementioned stations broadcast on Copenhagen-Plan frequencies that coincide with our own ten-kiloHertz separations; they are the "EVEN TA'S", the "sour-grapes" story of the east coast.

But the fact remains that many of the even TA's can and do make it through, but most DX'ers have a negative attitude about them, passing them by in search of the more promising TA "splits". But this is wrong. After all, trans-Pacific stations make it to the West Coast on zero-ending frequencies, and so do the deep South Americans. Of course, we must qualify this by noting that TP's and SA's are heard during relatively quiet early-morning hours while TA's must charge the full blast of evening QRM. But DX'ers are logging and reporting the even TA's, and these stations deserve more attention than they have been getting.

There are twelve frequencies available for even-TA hunting. Most feature stations worth trying for, but a few, such as 1520 and 1570 kHz, offer very slim probabilities because of low-power operations on these channels. The following frequency-by-frequency survey will serve to analyze the potentials of the individual even TA's and offer suggestions on the best times and conditions to try for them.

620 kHz. One of the easier even TA's is the RNE outlet in the Canary Islands. Try for them on a Monday morning starting at 0145 EST. Reception as late as 0300 EST may be possible in December and January. A check on the signal strength of Agadir-935 is useful for evaluating the chances of hearing RNE-620. Challenging reception are several NSP's, such as WSUN, which discourages chances in the South. As RNE programmes in Spanish, be sure not to confuse it with XENK or R. Tricolor.

A less likely possibility is RTVB in Wavre, Belgium, the French-language companion of BRTV-926. Reception as late as 0300 EST is also possible for this one in December and January. Check 746, 836, and 926 kHz for signal evaluation; if these three are blasting in, RTVB-620 is worth a try.

Egypt's General Programme out of Bâtra would be nice, but ...

710 kHz. Were it not for WOR and its marathon schedule one of the easiest even TA's on the band would be Rennes (pronounce it "Ron"), France. This station was recently heard by Russ Edmunds



16  
and Page Taylor in New Jersey during one of WOR's rare silent periods. Check // 's on 602, 674, 791, and 836 kHz for powerful signals, then, at least, use a loop or a cardioid array to try to get rid of WOR. Reception as possible until 0300 EST during mid season. Tallinn, Estonian S.S.R., is also here, but an all but impossible reception under present conditions.

800 kHz. The Hashemite Kingdom of Jordan is a country that most of us would like to add to our 100+ countries lists. Unfortunately, this is their frequency. This is also Leningrad's main outlet. More likely to be heard are the Bayerischer Rundfunk in Würzburg and SER-800 in Madrid. Thanks to PJB, CKLW, XELO, etc., best reception of any of these stations will be noted on a trip to Europe!

890 kHz. Alger II, the French-language service, has been noted by the author and several other East-Coast DX'ers during past seasons, and it should still be possible. Challenging reception are HJCE and sometimes WLS. Try between 0100 and 0200 EST, especially if WLS is off the air. Checking the // on 1304 kHz may be worthwhile; also note 548 kHz for signal quality from that area.

980 kHz. Alger I, the Arabic service, is not as easy, what with a growing list of NSP'ers here, including WSIX and YVTB, but powerful signals from the area may break through. Also possible is Göteborg, Sweden, whenever the other Swedes are in very well. During December and January Alger I is open until 0200 EST, Göteborg until 0300 EST.

1070 kHz. Paris I-V is more than possible; it has been noted by the author competing with KNX on a weekday evening. Available until about 0245 EST during mid season, check for this one whenever // Bordeaux-1205 is especially strong.

1160 kHz. Although seldom reported, Strasbourg, France, should make it through. The only challenges are KSL and a few Colombians. Check // Nice-1554 for evaluating possibilities. Reception is open as late as 0230 EST in December and January.

1290 kHz. The new megawatter in Tripoli, L.A.R., is possible but will be difficult at best. Tentative reception has been noted by Dave Gleason in Puerto Rico. Mid-season reception is possible until about 0115 EST, and Tripoli may even make it at sunset if conditions are right. Check // Benghazi-1124 for evaluation.

1340 kHz. Northern Ireland is a rare, and possibly doomed, DX country. The author recalls the reception of the now HBC-4 in Lisnagarvey by former NRC'er Ron Schiller in Monmouth Beach, New Jersey. Especially good signals can and will break through the dir of graveyards along the East Coast. Check 809 and 1151 kHz to evaluate chances. DX'ers so equipped may use the wide null of a cardioid array to attenuate much of the inland QRM, thus opening the channel for this one, but beware of ZBM2, especially in the South. Lisnagarvey may be noted as late as 0400 EST or beyond in mid season. Grab this country while it lasts!

1430 kHz. Skive, Denmark, is not too powerful, and its signal faces a lot of QRM in North America. Possible until 0330 EST in De-

ember and January, check // Kalundborg-106 pray!

17  
1520 & 1570 kHz. These two frequencies are losers. Both harbour low-power operations, and their reception in North America is almost hopeless. Try the above ten channels first before attempting these two!

In summary, try for the even TA's whenever their split-frequency companions show capabilities of dominating adjacent domestic stations. Check the parallel of the particular station you seek for information on signal strength and programming. Whatever you do, don't pass them by. We understand that this will be a very good year for grapes, especially in Rennes, Paris, and Strasbourg, so give the even TA's a hearty try!

-30-





## YAD ANTENNA GIZMO

-Jerry Starr

One undesirable feature of the increasingly popular Beverage Antenna is the fact that the antenna will re-radiate a large amount of signal energy to other antennas nearby. Various combinations of longwires, loops, and verticals are frequently used in conjunction with the Beverage since, for all its remarkable properties, the Beverage is certainly not a good all purpose antenna. Most Beverage users still find many instances when a loop or non-directional antenna is necessary. A reference antenna is useful for measuring the relative performance of your Beverage; it could be a short "longwire" or, preferably, a vertical. However you'll find it necessary to ground the Beverage when using the reference antenna; otherwise the signal re-radiated from the "floating" Beverage wire will throw off your readings. The reference antenna will pick up enough radiation from the Beverage antenna to exhibit spurious directional properties unless the Beverage is grounded at the receiver end. If you're using two Beverages at different angles it's necessary to ground the wire not in use or the pattern for the antenna in use will be distorted.

Here is a simple antenna switch that makes antenna switching a snap and, at the same time, will ground the antenna not in use with one switching operation. Here are the parts you'll need, available at any radio supply store:

- 1.....Aluminum box for mounting, 3" x 5" x 1" or similar
  - 1.....Double-pole, double-throw nonshorting switch
  - 2.....Coaxial sockets, type SO-239
  - 2.....Coaxial connectors, type PL-259 (for antenna leads to switch)
  - 1.....Binding post (for connecting switching unit to ground)
- Coaxial cable to connect switches to receiver and a short piece of hookup wire.

Mount hardware as shown in the drawing, showing the switcher from the back. Connect the ground post to a good ground with as short a wire as possible. This switcher is being used here in Yadland to switch two Beverage antennas and has worked very well.

-30-

## DOWN TO EARTH GROUNDS

---Gordon Nelson

The present flurry of interest in the Beverage antenna for MW DX'ing raises a number of questions about an important but normally neglected subject: grounds. For receiving purposes, most modern receivers are adequately grounded through the AC power mains; this power supply ground connection is usually superior to the DX'er's usual casual attempt to obtain a ground "by the book" with a wire to a waterpipe for example. Proper termination of a Beverage, be it on the far end to produce a single lobe pattern, or on the

receiver end to eliminate the re-radiation problems alluded to by Jerry, requires a good ground!

For most purposes, particularly when local electrical noise is a problem, a bad ground is actually worse than no ground at all - a long grounding wire of small-diameter conductor poorly connected to a corroded water pipe will act just like an antenna sensitive to local noise...

How to get a good ground? The name of the game is low-resistance. The wire between the ground connection and the receiver or antenna should be as heavy as possible (number 8 or 10 copper wire or heavier) and as short as possible. Some electronics supply shops carry a line of very heavy gauge aluminum wire for grounding TV systems; while it's cheaper than copper and good enough electrically for our purposes, it can't be soldered and this makes for real problems when you have to establish a good electrical connection to another piece of metal such as a pipe or ground rod. It's more costly but better in the longrun to stick to copper and solder...

What do we connect the ground wire to? To the Earth, of course, or more exactly to something metallic in the ground with as large a surface area in contact with earth as possible. Cold water pipes are usually pretty good, especially near the place where it goes underground (less of a chance of having a poor pipe joint or fitting). If at all possible, scrape the pipe and solder the ground wire to it with the aid of a Bernz-O-Matic propane hand torch (a great deal of heat is required to solder to plumbing since the pipes will conduct the heat away almost as rapidly as you can apply it).

Hot water pipes are usually very poor grounds due to the presence of the hot-water heater in the circuit.

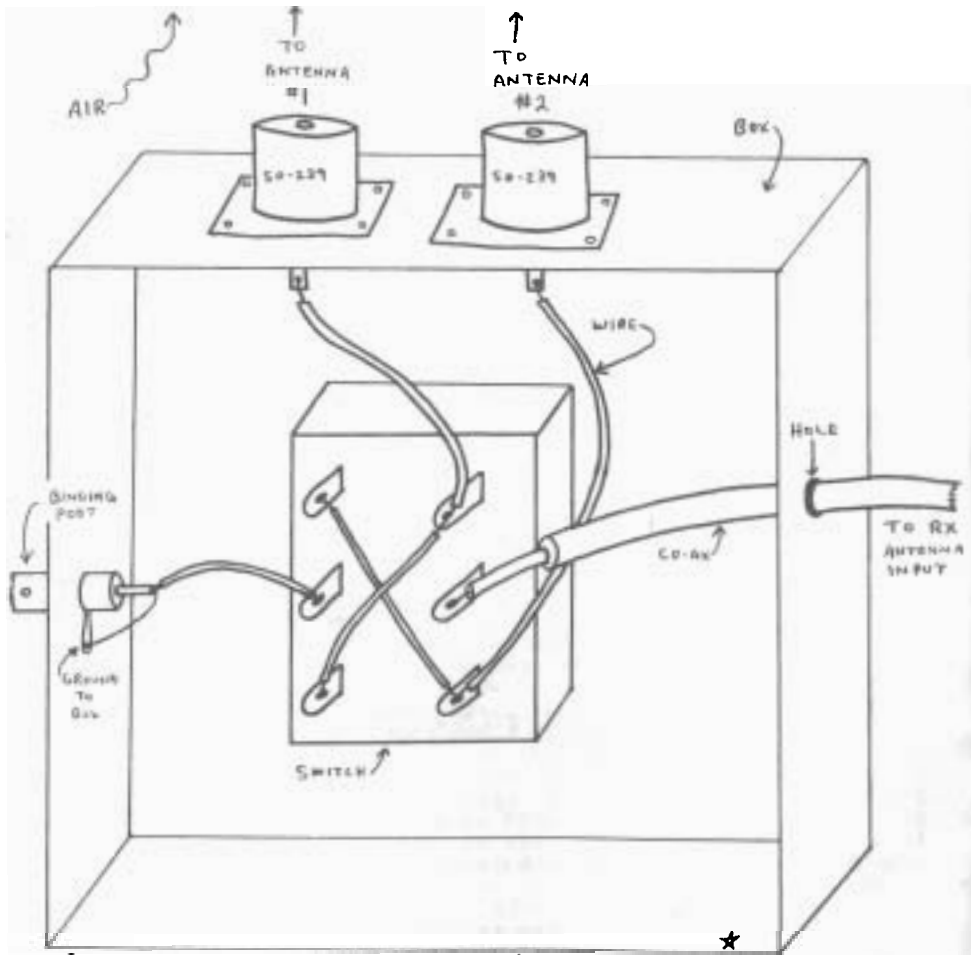
If you're trying to get a good ground termination for the far end of your Beverage antenna way out in the back woods you've got a real problem. Somehow you've got to get a lot of metal in contact with the Earth, and then you have to connect it to the end of the Beverage wire. First, try to pick as damp a place as possible for the termination ground connection, preferably in a damp, swampy place. Next, go to your friendly local electrical supply store and buy as many copper ground rods as you can afford and/or carry. They are made of hard copper about 1/4 inch in diameter and about 6 feet in length; here in the Boston area they're about 75¢ apiece. Drive them into the Earth where you want to establish the ground, leaving about 6" sticking out of the ground. The spacing is not critical; a foot of separation between adjacent rods is fine. Put in as many rods as possible; 20 rods will give a ground connection with 1/20 th the resistance of a single rod - and thus 20 times better a ground connection. Once you've driven in your rods, get a 25 pound bag of rock salt, sprinkle it all around the area, and work it into the surface with a spade or pitchfork. If the soil is unusually dry, you'll want to wet the area as much as possible; the object is to make the soil around the rods as salty and conductive as possible. (Don't try this trick in your wife's rose garden; the salt will kill nearby plants)

Now interconnect the protruding tops of the rods with heavy copper wire and solder the connections with a hand torch. This will then provide a moderate-to-good ground connection, depending upon how much moisture there is in the soil, how many rods you use, etc.

Another old trick that we've heard of but never tried is to take an old automobile radiator, solder the heavy ground lead to it, fill it with concentrated salt solution, and bury it in the ground. The large surface area of the copper radiator should provide a low resistance and the brine should enhance the local ground conductivity.

We'd be interested in hearing from the membership about their experiences with grounds, particularly in conjunction with Beverage antennas.

-30



BETTER THINGS FOR BETTER DX FROM THE YAD-LABS

## 1972 Convention QUESTIONNAIRE

for Miami in '72

In order to help us give you a convention that is well worth attending and one that you will thoroughly enjoy, please fill out this questionnaire and send it to our address below. Please do so even if you do not plan to attend the convention.

National Radio Club  
P.O. Box 2814, AMF  
Miami, FL 33159

- 1) Name: \_\_\_\_\_ 2) Age: \_\_\_\_\_
- 3) I will \$ definitely \$ probably \$ probably not \$ definitely not \$ attend the convention (Circle one).
- 4) What would most likely keep me from attending is:  
\$ no funds \$ schooling \$ my job \$ my parents \$ my wife \$ other \_\_\_\_\_ (Circle one)
- 5) I'll be starting my trip from \_\_\_\_\_.
- 6) Mode of travel: airline \$ own car \$ car pool \$ train \$ bus \$ ship \$ other \_\_\_\_\_ (Circle one)
- 7) Do you plan to rent a car in Miami? \_\_\_\_\_
- 8) If married, are you bringing your wife? \_\_\_\_\_
- 9) On my way down or back I plan to visit:  
\$ Walt Disney's World \$ Nassau/ZNS \$ Cape Kennedy \$ Everglades National Park \$ Key West \$ Freeport \$ Others \_\_\_\_\_
- 10) Banquet cuisine preference (number in order of preference):  
\_\_\_ Italian \$ \_\_\_ Mexican \$ \_\_\_ American \$ \_\_\_ Cuban \$ \_\_\_ Cantonese \$ \_\_\_ Seafood \$ \_\_\_ Chicken \$ \_\_\_ Steak \$ \_\_\_ Other \_\_\_\_\_  
(Note: Cuban cuisine is "créole", not hot like Mexican)
- 11) I understand and speak \$ excellent \$ good \$ some \$ very little \$ no \$ Spanish. (Circle one).
- 12) My favourite participation sports and games are:  
\_\_\_\_\_
- 13) Are you interested in TV or FM DX? \_\_\_\_\_. Which? \_\_\_\_\_
- 14) Stations in South Florida I'd like to see on a tour include:  
(List up to 4) \_\_\_\_\_ \$ \_\_\_\_\_ \$ \_\_\_\_\_ \$ \_\_\_\_\_
- 15) I have attended \_\_\_\_\_ (number) previous NRC conventions, the last one in 19\_\_\_\_.

CUR ALONG BOTTOM LINE

16) Miami-in-'72 would be a really great convention if .....

by R. J. Edwards

During the past few years, the BCB DX'ing fraternity has become greatly interested in loop antennas to replace the heretofore traditional long-wire. This increased interest has been drawn from increased research into and development of loop antennas suitable for BCB DX'ing, which are still either cheap enough for the average DX'er to afford, simple enough for the non-technically oriented DX'er to build, or both. Many of the loop plans which have been heretofore proposed have included varying types of amplifiers to increase the amount of gain produced by the loop antenna. The following comments are directed toward the area of loop amplification.

17) I'd be bored stiff if .....

Perhaps the most publicized (and most effective) loop amplifiers thus far developed is the FET amplifier designed by Gordon Nelson for use with the 4-foot NRC altazimuth loop. This amplifier provides significant and somewhat variable gain, a dual balanced input and output, and stabilization circuits to insure continued balance between the dual amplification circuits. It is not as well known, however, that this same amplifier can be used with comparable results on a variety of other air-core loops ranging from the slightly-smaller "Sanserino loop" constructed and distributed by Ralph Sanserino of Huntington Beach, Calif., to a multitude of still smaller loops, including the two-foot altazimuth loop constructed by this author and still in the testing stages. It is likewise usable for Dave Fischer's "Roll Your Own" loop.

18) Among the things I'll be bringing with me to the convention are .....

To continue, however, many of the loops in existence today are not suitable for a balanced input amplifier, and many receivers are not equipped to handle a dual-balanced amplifier output. Although this latter problem can be modified by the use of a matching transformer, the ultimate cost is often somewhat large. One alternative to the FET amplifier noted above is the original FET amplifier for use with loops, the schematic diagram and parts list are available from HQ reprints. This amplifier is a single amplifier, and is suitable to receivers with only one antenna and one ground input terminal.

19) I think it would be a good idea if .....

Still another alternative is the one currently in use on this author's two foot loop, and that is a slightly modified pair of commercially-available transistor Broadband RF amplifier kits. The units are manufactured and distributed by International Crystal and are designated with the number "BAX-1". Order forms are generally available in almost all electronics magazines. For receivers not suitable to a balanced output, of course, only one of these amps is required. If balancing is desired, two of these amplifiers may be used in parallel ( see diagram "A" in appendix ) to create this condition. The modification mentioned is usable primarily in areas where there are no extremely strong local signals or noise sources radiating on the BCB. The BAX-1 kits include two 2.5 uf (microfarad) electrolytic capacitors for use in the broadband circuit. Since we need only to use the area of the BCB, the 150 Hz. - 15 MHz. range of the unit as shipped may be easily reduced by the substitution of 0.001 uf (or the equivalent value of 1000 uuf ((or pf))) miniature disc capacitors for the abovementioned electrolytics. If you should find that your receiver overloads, of course, it will be necessary to eliminate the substitution.

20) Other comments, suggestions, ideas, continuations, etc.:

Thanks for your cooperation.

Ron Schatz & Richard Clark

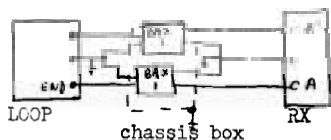
Another source of overloading problems with the use of the BAX-1 amplifier results from excess voltage powering the units. Regardless of what the manufacturer's instructions may say, you should use 9-volt batteries. The author has found the Everready #266, which is also excellent for powering the dual balanced FET amplifier, or its equivalent, to be an excellent power source, which has a relatively long useful life.

The BAX-1 comes with some miscellaneous hardware, ostensibly to be used for mounting the amplifier. It also comes with some suggested schematics for its use as an antenna-gain amplifier. Burn the schematics for connection to the loop!! Use the one in diagram "A" in the ensuing appendix. As for the hardware, its inclusion should instantly tell you something. If it doesn't, let me hasten to do it for you. The mounting hardware means that the amplifiers MUST be mounted inside a well-shielded mini-box in order to prevent such nasty side effects as vertical pickup, which primarily results in distortion of the loop's pattern or directionality, or pickup and amplification of undesirable images, harmonics, TVI, taper noise, general noise, and so on. Therefore, procure a small aluminum mini-box about 2 x 2 x 4 inches or so, mount the BAX-1 amplifier or amplifiers in it, feed the batteries into the box by means of nice shielded coaxial cable which is affixed to the batteries by means of convenient solder clips made specifically for the purpose, and add an on-off switch into the box as well to (naturally) turn the unit on and off by removing or replacing its power. For the same sorts of reasons which make the mini-box necessary, it is imperative to keep the output leads from the mini-box, as well as the coaxial leads to the batteries as short as possible. This means like about four inches at maximum

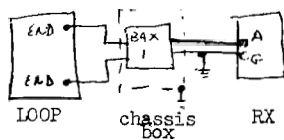
If none of the foregoing appeals to you for one reason or another, you have only one other choice, and its to order yourself a Space Magnet from Worcester Electronics in Frankfort, N.Y. ....

#### APPENDIX:

Diagram "A": balanced loop



Unbalanced loop



Additional Reference Materials: (available from NRC HQ as reprints)

- A7 - "Roll Your Own" by D. Fischer
- A8 - "Direct Coupled Loops" by D. Fischer
- A9 - "One Transistor Loop Amplifier" by G. Nelson
- A11 - "FET Altazimuth Loop Antenna Plans" by G. Nelson
- A15 - "HQ Tries the Space Magnet" by HQ Staff
- A16 - "The Space Magnet - How Good Is It?" by D. Kenney
- S8 - "How To Live With A Budget Receiver" by R. Edmunds

**AUTHOR'S NOTE:** If you use 2 BAX-1's and they do not have equal outputs, you will probably encounter some semblance of loop imbalance. Best solution is to buy a third one, and use to 2 most closely matched ones....

#### AN ALGORITHM FOR GREAT CIRCLE CALCULATIONS OF BEARINGS AND DISTANCES BETWEEN TWO POINTS ON THE EARTH'S SURFACE © -- de Fish, Ph. Dx

Let H denote "home" location, F denote "far" location, H1 denote H-latitude (in degrees only -- i.e., convert minutes and seconds to fractions of a degree), F1 denote F-latitude (degrees), HL denote H-longitude (degrees), FL denote F-longitude (degrees). North-Latitude ranges from 0 to +90 degrees, South-Latitude ranges from 0 to - 90 degrees, West-Longitude ranges from 0 to +180 degrees and East-Longitude ranges from 0 to - 180 degrees.

GCD denotes the shortest great circle distance between H and F and GCB denotes the azimuth bearing of F as measured at H.

Location H1 = \_\_\_\_\_ H1 = \_\_\_\_\_ ° HL = \_\_\_\_\_ °  
Location F = \_\_\_\_\_ F1 = \_\_\_\_\_ ° FL = \_\_\_\_\_ °

Let I1 denote the larger (more positive) of the longitudes HL and FL and let I2 denote the remaining longitude.

$$I1 = \text{_____}^\circ \quad I2 = \text{_____}^\circ \quad DL = I1 - I2 = \text{_____}^\circ$$

$$H2 = 90 - H1 = \text{_____}^\circ \quad F2 = 90 - F1 = \text{_____}^\circ$$

$$X = (\cos(H2) \cos(F2)) + (\cos(H1) \cos(F1) \cos(DL)) = \text{_____}$$

$$A = \cos^{-1}(X) = \text{Arccos}(X) = \text{_____}^\circ$$

GCD = (69.052) A = \_\_\_\_\_ statute miles

B = 90 - A = \_\_\_\_\_ ° G = cos(B) = \_\_\_\_\_

R1 = cos(F2) - X cos(H2) = \_\_\_\_\_

R2 = G cos(H1) = \_\_\_\_\_ R = R1/R2 = \_\_\_\_\_

W = cos<sup>-1</sup>(R) = Arccos(R) = \_\_\_\_\_ °

If ( |DL| ≥ 180° ) SKIP TO ###

IF (HL ≥ FL), then GCB = W = \_\_\_\_\_ °

IF (HL ≤ FL), then GCB = 360-W = \_\_\_\_\_ °

###

IF (HL ≥ FL), then GCB = 360 - W = \_\_\_\_\_ °

IF (HL ≤ FL), then GCB = W = \_\_\_\_\_ °

GCB is given as an azimuth bearing at location H. The compass for the location H azimuth bearing is the conventional assignment of values: North is 0 or 360 degrees, East is 90 degrees, South is 180 degrees, and West is 270 degrees.

## CLIPPING CORNER

## Cubans seize Miami station

MIAMI (UP) — Four armed and hooded Cuban refugees in green fatigues took control of a leading Spanish-language radio station for about 10 minutes last night, and broadcast a tape message for Cubans to "take to the streets and purify the regime of Fidel Castro."

The men were armed with automatic pistols. They burst into the control rooms of WQBA AM, bound newsmen Luis Fernandez, and then held a pistol to the head of talk show host Jose Alva.

They ordered Mr. Alva to play a 3½ minute tape which may have been heard by listeners in Cuba.

Station owner Herbert Levin said it was a "typical communist assault" and said a police investigation was underway.

The men identified themselves on the tape as members of the "seven commandantes — now generals" but did not elaborate. Mr. Levin said it was a reference to the highest rank in the Cuban army.

While Mr. Fernandez was held by one of the men in a washroom, the three others aired the tape. Mr. Levin said one of them left the building and listened to the broadcast on his car radio. He then returned to tell the others the transmission was of good quality.

## Four Cuban Gunmen

## Seize Radio Station

MIAMI (UPI) — Four armed and hooded Cuban refugees in green fatigues took over control of a leading Spanish-language radio station for about 10 minutes Friday night and broadcast a tape message for Cubans to "take to the streets" to "purify" the regime of Fidel Castro.

The men, police said, were armed with automatic pistols and burst into the control rooms of WQBA-AM at 11:05 p.m., bound newsmen Luis Fernandez at gunpoint, and then held a pistol to the head of talk show host Jose Alva.

They ordered Alva to play a 3½-minute tape recording which conceivably could have been heard by listeners in Cuba tuned to WQBA.

## Radio Workers Strike

SANTIAGO, Chile (AP) — Engineers at all radio stations in this capital walked off their jobs Monday, seeking higher wages. All 16 radio stations immediately went off the air.

*Topeka Daily Capital*

*Tuesday, Nov 14, 1971*

## POT turns FCC off and vice versa

LOS ANGELES (AP)—A 3-day-old radio station has been raided and shut down for operating without a license, according to the Federal Communications Commission.

Officials said the 50-watt station, which called itself "POT," could be heard for about 15 miles.

The station was in a closet in the West Los Angeles apartment of Brad and Jessie Sobel, officials said. The FCC said normal procedure with first offenders is merely to issue a warning. The charge carries a maximum penalty of a \$10,000 fine and one year in jail.

Mrs. Sobel said they did not intend the station as a commercial venture. "We just wanted to do something for the people," she said.

The couple said they paid \$35,000 for equipment bought at an Army surplus store and from local television and radio stations.

The station was on the air from 9 a.m. to 3 p.m. and played selections from rock to classical to rhythm and blues.

## Radio Tower Bombed

PAXTON, Mass. — (UPI) — transmitting facilities for WAAB-FM were damaged by a bomb explosion Sunday night at the base of the station's 250-foot tower.

"The building was forced open and someone placed a homemade bomb inside," said

Paxton Police Chief William Willie. The FBI sent an agent to the cement block building at the foot of the tower.

No one was in the building at the time of the blast, Willie said. The building itself was not damaged, but the transmitting machinery suffered about \$4,000 damage he said.

## KDUK SHUT DOWN

These three Celeste, Texas, youths were ordered by the Federal Communications Commission to close down their 2-tube radio transmitter. The trio was transmitting church services that had previously been

taped, playing records and giving free commercials in the little town of 736. The boys, from left, James LaFavors, Steve Armstrong and Jim Goodman, built the station from old parts.

DOMESTIC  
X  
DIGEST

EDITOR:

F.J. EDWARDS  
BOX 946  
WAYNE, N.J. 07470  
(201) 355-6397

Greetings, peoples: Guess what? - This is the last DDXD on this typer ribbon, hi. Lotsa stuff here this time due to last week's layoff. Seems everybody's stuff came thru the day after deadline ( which is Wednesday - the deadline, that is ). Next issue in 2 weeks for Thanksgiving layover, and I expect a large column then, too. Antenna/rx problems here again, so only limited DX this week ( since about 11/10 ). So, on to reality: **ALL TIMES EST**

## call applications

- 1140 CP -NY Warsaw, req. WCJW  
daytime
- 1300 WQBK-NY Noted o/WAVZ w/ relig. 11/8 1000-1100, nice sig. @ s6, N.Y. # 52. (Ron Musco, Windsor, Ct.)  
WTNJ-NJ Finally noted for call change well u/~~WQW~~ ending nx 1105 11/5 (RJE)
- 1330 WASA-MD Strangely atop channel w/WPOW nulled completely w/ "Daytime Dialog" pgm, 1108 11/5 (RJE)  
WHAZ-NY Also w/ talk pgm u/WASA w/ ID 1110 11/5 (RJE)
- 1580 WRDI-NJ Hrd u/usual WCRV & WPAC mess for new call 1134 11/05 (RJE)
- ++ 1600 WNEU-WV Replaces WHLL here. Noted 1420 w/ "Something for everyone" format 11/9. Dunno if RS or just testing. Anyway, WHLL call is deleted, WNEU call for same facilities. (Wes Boyd, Youngstown, Ohio) \*\*\* We'll not yet delete WNEU on 1470 'Til they're RS here.... by the way, Wex, JAMurley calls that format "wall-to-wall".... -RJE

## sunset &amp; evening

- 780 WCKB-NC In well 1721 10/26 prior to exc. TA opening (Quentin K. Brown, Ottawa, Ont.) \*\* Welcome - RJE
- 860 WSBS-MA Tremendous sig. w/ National nx 1700, then local nx 1705 10/27 (QKB)
- 890 WHNC-NC Taped s/off w/ exc. sigs. u/WLS 1700 11/8 whilest looking (in vain) for Algeria (RJE)
- 900 WKAJ-NY Finally 1700 10/30 s/off, N.Y. #116 (QKB)  
WBRV-NY Fair u/CKJL 1715 10/30 s/off (QKB)  
WFLN-PA Strong o/mess 1730 10/30 s/off (QKB)  
WAFB-VA E/w/CKJL, CHML 1745 10/30 s/off (QKB)  
WIAM-NC Finally netted this most-wanted one 1700 11/8 s/off, plugging their FM (Bill Alisaukas, Lake Hopatcong, N.J.) \*\* Welcome back, neighbor ! -RJE
- 920 CKNX-NS Local-like 1705-07 pwr cut 11/8, also noted regularly past 4 nites (BA)
- WIRD-NY Hrd 1616 11/8 w/local ads, atop channel & alone (BA)
- 960 WFPC-NC Atop channel 1709, burying WHLL 11/8 & past 3 nites (BA)
- 970 WRCS-NC Hrd 1700 s/off 11/6 atop jumble (BA)
- 980 WONE-OH Hrd 1655, 11/4, earliest ever noted (BA)  
WKLM-MI Hrd 11/2 1708 (BA)
- 990 WEEB-NC Noted on 1912 10/24 for emergency riot coverage, included curfew proclamations by mayor, etc. (BA) \*\* How about THAT, JK ?? -RJE
- WANT-VA Noted at 1700 s/off way atop channel 11/11 (BA)
- 1000 WVOV-AL Finally w/ good signal 1801 10/25 w/ WCFL nulled (QKB)

1070 CHOK-ON Hrd 1642 11/6 w/rr, alone on channel (BA)  
 1110 CBD-WB In nicely 1613 f/in - 1915 f/out, full ID 1900; Pro.; //  
 CBA-1070. (JKB)  
 ++ 1310 WSLW-TV New stn hrd 1st time on beverage 1700-25 10/22(Jerry Starr,  
 Youngstown, Ohio)\*\* Since this missed last deadline, I'll  
 not play "D" or "S" time games, I've converted all your  
 pre-time change stuff to EST - RJE  
 1470 CHOW-ON Hrd 1945 11/2 w/rr, u/ dominant WSAN looped. (Leo Alster,  
 Rahway, N.J.)  
 1530 WTHM-IL Hrd 1712 s/off even w/ & o/WCKY (BA) \*\* That's very normal,  
 Bill. Like usually no WCKY at all, hi -RJE  
 1570 WHEL-IN Hrd s/off 1730 11/3 (Gary Shea, Milwaukee, WI) \*\* Welcome  
 to DD - RJE  
 WJFF-IN Hrd o/WJR 1715 11/5 (3S)  
 1560 KLPR-OK Hrd s/off o/WBJ 11/2 (3S)  
 1590 WLFA-GA Hrd w/ organ mx & local spots to 1729 s/off 11/7 (Boyd)  
 1600 KCRJ-IA Hrd 11/1 1640 w/ discussion of college FB w/ WFL mull'd,  
 in again 1650 w/AC mx, rr & a stronger sig. (Alster)  
 \*\* What happened to JURN?? that's all I get w/ AL mull'd..  
 in answer to your question, WFLN is strong on day pattern,  
 here, but at nite, you can't get 2 miles E of the XR bl you  
 lose 'em. -RJE  
 KATZ-ID Atop w/rr, local spots & promo 1713-17, then only JURN,  
 WFLN. (Boyd) \*\* Probably powr/patt/chg. -RJE

M/C's

NOVEMBER: 1st SA: WCBY-1240, WSHN-1550; 2nd M: WCAZ-990, WKBF-1310;  
 3rd M: KXEO-1340, WDIC-1430, WHSC-1450, KWLA-1530

14th THU: (new check) WAOC-1420 Fla. 0315-0330 per veri (Starr)

midnight to sunrise

560 WIND-IL Noted w/ mix of tele-talk,talk, & mx, atop all AM(Boyd)  
 unID c&w format, mulling South, 11/2 u/WIBQ-WFIL,weak WQAM,  
 & strong WIND, EST TC's.... (Boyd)  
 unID FF C&W-chicken rr'er most of 11/9 AM, who? (Boyd)\*\*Odds  
 are it's CKCN - RJE  
 570 WQMS-MD OC-ET w/ one ID above mess 0202 11/9 (Boyd) (Boyd)  
 WAAK-AL W/ nx, top 40, PSA's & s/off 0014 11/2 u/WCAZ-WNAX-HMS  
 580 WIBW-KS Atop 11/2 0245-0305 w/ c&w & CBS-sounding nx 0300, o/  
 WTAG, Cuban, unID-top40, (WDBO?) & WKAQ. (Boyd)  
 610 WIOD-FL Good u/WIP, TVN 0445. Methinks Drake-format rr u/WIOD is  
 WSHN. (Boyd) - \*\* Methinx so too - RJE  
 630 unID EE rr & "Tooth Fairy thing" (( Whazzat, Wes???) 11/9  
 AM. (Boyd) \*\* EE rr might well be CJET, which is AM-RJE  
 680 WAPA-PR Is now AN-MI's, yeccch (Boyd) \*\* Yeccccchhh - RJE  
 740 KCMG-TX W/ c&w w/KRMG off 0230-0245 11/6 (Boyd)  
 840 KFRE-CA L&C w/ s/off & SSB 0300 11/6 (Starr)  
 WESA-PA Ending ET-mx 0143 11/2 (Starr)  
 950 WBBF-NY Now AM MI's w/ rr, noted 0205-0230+ 11/6 (Boyd)  
 960 CHNS-NS Is NOT on MI's, seems to s/on 0400 w/ YL nxcaster, poor  
 in CFAC-HJHN null 11/8 (Boyd)  
 990 CBY-NF Hrd s/on 0400 10/24 in clear (Page Taylor, Butler, N.J.)  
 CBW- MB Hrd w/ JRM de WJAX,WCAZ/r/c 0128-0205 11/6 for 1st Manitoba  
 for me - now for Alberta (Ron Musso, Windsor, Ct.) \*\*Try  
 CFCN-1060 forthat - RJE  
 WJAX-TN Hrd 0130-0230 w/ JB w/ rr, few ads 11/6 (R1)  
 CFCN-AB Hrd w/ Calgary wx 0100 11/6 (PT)  
 1070 WFLI-TV ET w/ 50 kw noted w/rr 0130 10/29 (Starr)  
 1090 KAAV-AR Noted 0300 + w/ old radio shows for Halloween 10/31 (Geoff  
 Fox, N. Palm Beh., FL.)

1140 KRAK-CA Clr ID fello relig. 0130 o/s GKXL rr 11/6 (PT)  
 1150 WCHL-CT Weak TT'ing 0005-0045+ 11/1 u/KOOC-WJW-etc., only fair  
 ID taped 0037 (Boyd)  
 1190 WAMB-TN 10/25 TEST not on: clear freq. here (Starr)  
 TEST hrd here w/ possible KLIF QRM 0445-0230 t/out.(R1)  
 1240 WJTN-NY AN-6 SPU hrd 11/5 0235 (PT)  
 1270 CJCB-NS Definite s/on w/ detailed annc't. 0445 10/24 (PT)  
 KFJZ-TX Covering channel killing chances for KNDE,CHAT,KTFI,  
 etc.... w/ nx 0300 11/8 (RJE) (Boyd)  
 1280 WGBF-IN W/NBC nx, local wx & sx rpt. 0002-08 well o/the mess.  
 1300 WMAK-TN Atop w/rr, TC, ID 0115 11/8 (RJE) (Boyd)  
 1310 WSLW-WV Is on. Hrd o/u WSH/WKNE in WFAH null 0425-0435 11/7 ET.  
 (\*\* Hope this is right, Wes - very confusing as a  
 couple of items here seemed very funny... -RJE)  
 Off 11/15 AM but for intermittent TT/CC (PT)  
 Hrd s/off, ID thru mess 0400 11/15, change log... of  
 all Hawaiians yet... (PT) \*\* Great catch - the way we  
 hrd 'em in Sacto, given a good clear freq. they should  
 be audible on ECNA per me & GPN, hi - RJE  
 1360 WDRC-CT Hrd in WKAT null w/rr 0410-0435, also unID MoR & Wk.  
 top 40 to SW w/ K-call, maybe KRUX (Boyd) \*\* Likely  
 so - RJE  
 WPPA-PA ET/TT 0015-0100+ 11/2 (Starr)  
 1370 WKIK-MD ET/mx & promos w/ ID 0132 10/31 (PT)  
 1380 KWK -MO ET w/ soul mx all over channel killing chances for  
 KPOI,KRKO,KTSM.... 11/8 0320. If I'd looked earlier,  
 I'd have hrd something useful, like..... (RJE)  
 KUDL-KS ET/mx w/ ID 0217 then f/out 11/8 (PT)  
 WMEB-IN Seems to be AN-6 off MM 0100-0600, has rr format (Boyd)  
 WFMJ-OH Info 10/23 DDXD is now incorrect, sri. S/off is 0000  
 Mon-Fri., 0200 or 0230 Sa & Su AM's, they still claim  
 they'll go NSP..... (Starr)  
 1440 WQOK-SC ET/TT/OC 0030-0300+ 10/25, only one ID that at 0300,  
 powerful #20/9 (Starr)  
 WAJR-WV Noted on past 0100 past week or so.... (Boyd)  
 KILO-ND S/off 0204 well o/WCHB etc. 11/7 (Boyd)  
 1460 WBNS-OH Rare here, now on MM's noted 0245-0330\* 11/6 (Boyd)  
 WPVL-OH ET/TT 0130-0230+ 10/23 (Starr)  
 1470 WSAN-PA OC-ET 0045-0055+ 11/1, only 1 ID hrd, well o/WOHO,  
 WBIG,CFRW(Boyd)  
 1480 WYDK-NC TEST hrd 0231-0300, w/ QRM at start from WCIN, at end  
 from WLEE (Musco) 11/1.  
 L&C 0345+ 11/1, extended test to 0545 (Starr) -RJE  
 1500 WAKE-IN ET/TT 0130-0145 11/6 (Shea) \*\* Note Joe F., maybe f/c?  
 1510 WHEX-VA Noted 10/31 0325 w/ Jerry Gordon talk show, ad at 0326  
 for Star Pharmacy. Was prev. AN rr, after the talk, but  
 seems to have changed around some. (Fox)  
 1550 WEXY-CT ET 10/31 0126-0130 o/uWKB. (PT)  
 WBA-VA Another insipid extra-loud ET w/rr, call-ins, and some  
 rather "questionable" language... 10/31 0126+(PT)  
 Another +60/9 ET 0100+ 10/31 asking for calls (Starr)  
 Hrd 10/30 w/ annc't of AN-6 off MM (PT)  
 Hrd w/ ET o/WDXR 0100 11/6 (Shea)  
 1590 WYNA-AL Hrd s/off SSB 0107 11/6 (Shea)  
 960 KOOL-AZ Methinks the one w/ CBS-type logo into nx u/CHNS 0400  
 11/8 (Boyd)

LAST MINUTE SPECIAL NOTES DEPT. : SEE NEXT PAGE, HI?....



1163) WJLI-MY noted here w/ spur, frequently past week (PT)  
1165) Also hrd prev. & last Spring per IRCA DX/M.

1151.3 - WUSA-VT Hrd 1735 11/17 w/ wx, nx..... (PT)

650 - KTI-93L Baltimore licensed experimental stn. hrd w/OC 11/9 & 10 days. ID's every 1/2 hr. FCC sez stn is using freq. to test field strength. Have written for more details..(Joe Kureth, Westminster, Md.)

COMMENTS DEPT. : RE Karchevski 's notes in 11/13 DXH, I'd just as soon count DC as a state and NWT-Keewatin & MacKenzie as well as YT as Provs. Many DX "Countries" are certainly not, and what's the difference if you've hrd one of 'em and can add a state or province easily... you've still got the same number (or more) to hear....

\*\*\*\*\* All items from Starr above noted in margin w/ a "#" mark should be read EDT. He listed 'em separately as I'd asked, and then I went and blew it, hi....

AND EVEN A QUASI-MUSING.... As noted bl, DX lower-quantity of late due to equipment problems, which, hopefully, will fix themselves soon. Steve Bohac will have been here 11/21 to help check rx & 2' loop amps, and I should have new FET's from HQ by the time this gets into print, so 4' will be ready. Then we play comparison-testing games a couple of daytimes, then move the 2' up to PT's non-re-radiated QTH for further tests vs. SM-1 & 4' loop. Then, maybe during Christmas vacation, I'll do some daytime DX w/ a functional loop for the first time in ages... Then, of course comes my annual holy day - New Year's Eve. Too bad we aren't like the Moslems and have a month-long holiday like Ramadan. But then all our stations would be NSP too, so forget that idea... Up to 78 countries now - nope, 79 w/ finally adding Sierra Leone, but see IDXD for that. Gotta keep ahead of BGK & Mdel, hi.

NJ SET-TOGETHER IN JANUARY....

We're looking at holding a small convention-type deal the weekend of 1/21-22 at a motel in North-Central NJ. We'll require a fee of between \$3.00 & \$5.00 in advance for meeting room and suchlike per person depending on how many are coming, so let either me or PT know SOON on this. All sleeping accomodations have to be made by yourself w/ friends, relatives or motels, hi.

73,  
LJ= [signature]

now - 2,670 received, with 1,630 veries. 73s.

GEORGE B. SHERMAN - 104 Pinewood Circle - Rosemount, Minnesota - 55069  
DX has slowed down. I am busy preparing a letter to WNBC informing them we don't wish our hobby destroyed by their NSPING. MM 10/25- I DXed as usual & heard WJIB-1400 Detroit w/R&B @ 4:21; WKAT-1360 Fla. fair o/SS, talk @ 4:35; WHUN-1150 Pa. r/c @ 4:45; CMDN-870 @ 4:58 w/WWL OC; WDEF-1370 Tenn. good w/SSB s/on u/WSPD @ 5; WBRT-1320 Ky. s/on @ 6 w/SSB on 500w PSP. SM 10/31 I was surprised to hear WPLO-590 "R. Atlanta" on day power/pattern o/everything @ 7am. MM 11/1- The DX TESTS saved me from getting skunked. WAMB-1190 Tenn. noted @ 2:30 getting phone calls from nearly every DXer in the eastern U.S., fantastic for 250w! WTK-1480 N.C. surprised me, at times o/pest WISM. TEST had c/w & ID @ 3. Both reported. No sign of WRAY; was it on? 11/5 brought my 200k country, XVNA--660 @ 6:10 but soon faded to WNBC. S, 11/7 I discovered local WPEC changed s/on to 9, so I heard WNEI-080 Wis. w/up-tempo MoR o/u WCUB w/KMBZ nulled @ 8:05. MM 11/8- WAPA-680 P.R. ID @ 2:30 o/QRM, #6 P.R. here. Other than that, a no-good MM for me. 11/11- KFIV-1360 Cal. faint for one second w/call letters @ 4:45. 1360 is now nearly empty 3-6am daily when WBAY is off. WKMI has dropped AN & I think WSAI has, too. So, get all the 1360 DX you can now! 1360 is about the only good weekday frequency left & MMs are getting worse. A few more AN pests & I may give up. Bye bye DX hobby if we don't all write some NSPers begging for silent periods & telling them that they have destroyed our hobby, and that it can only continue w/their help. This means they must stop their 168 hours a week continuous channel-hogging. Surely every station could give us an hour or two a week or month for DXing as most of them don't make any money on AN shows due to few spots & almost nobody listening. They turn on their RXes & fall asleep. Write some NSPers now! 1,266 heard and if I can get any more through all the AN pests I'll report again.

ROSS EN HANSCH - 5013 Risser Road - Madison, Wisconsin - 53705  
Aloha! We're just back from a couple weeks visiting the jr. op. & his family in Kailua, also had a drink with Norm Maguire at Trader Vic's in the International Market Place, and met our other Oahu member, George Windus, in Kailua. A sad note on radio for the future, the manager of KCCN, the "Hawaiian Music Station" says "We are broadening our programming". The 1178 Okinawa TEST? It's a pretty involved story, and not much to be gained by telling it in detail. Instead, let me offer a little advice even though it may conflict w/Ernie's and others. Don't write to a station when things do not turn out right, and also do not write to thank them when they do, write only to the verie signer and let those of us who arranged the TEST do the thankings. Those of you who do not arrange tests just don't realize what sometimes goes on behind the scenes. CX & other factors did not allow the agreed-on time of 0900Z Oct. 31, however on Nov. 7 the carrier came on at 1049Z but CX were poor, Canadians were not in good, and nothing further IDed. (What's 1049Z?? -ERC) 11/14- Still little from W & NW, frequency clear and except for a bit of static I could hear a pin drop. MM 11/15, a dramatic change, from 1:30-3 EST lots of Europeans, CKWX-1120 Vancouver, CFCN-1060 Calgary first heard in 1922 but seldom in recent years, probable 4YA-780 very strong w/cl rx u/WBEM OC but no ID made (KCRL, no? -ERC) and Tarawa-644 at times was readable but I did not switch to loop from LW to get away from WHAS' OC. Tuesday AM 11/8 I listened to old friend HJAN in Barranquilla on 720 from 5:45-6. At that time they take out Rebelde & no WGN yet. 73.

DAVID E. ROYS - Route 3 - Blueberry Hill Road - Nashville, Tennessee - 37218  
So far, I have only had a chance to barely scan the dials to try my 600' beverage, but the difference is noticeable. KCTA-1030 rolls in during the day w/an amazing signal. KFI-640 is usually dominant o/the Cuban here - is that normal? KFVK-1530 comes in like California was next door. Off the other end, strong signals from BBC-831-1214-644 etc. ORTF-1205, somebody on 1562, Veronica? I bought another 500' of wire which I plan to add on to the present 600', plus another 100' of scrapwire. Ground conductivity is poor here, which favors this type of antenna. The terrain is rough, with many trees, so it makes stringing

✚

the wire difficult. My time is quite limited, also as we have been very busy at the studio recording what you (happily) will soon be hearing on your local c/w station. (WHAT local c/w station?? -ERC) Therefore, time at home is limited & most of that is dedicated to my wife & daughter. 11/13- I did manage to extend the antenna to 1,100', leaving about 400' more room before I get to the end of our property. Not much chance to DX yet, but signals on all channels are extremely strong. More later.

G. HARLEY DeLEURERE - Box 10 - Hendricks, West Virginia - 26271

Today's Musings will be more of a questioning period than anything else. I do want to say, however, that both WAHE & WYDK were heard on their TESTS. WYDK was QRMED tremendously by WLEE. I was happy though to receive WYDK, because my sister used to be a school librarian in Yadkin County. The country there is beautiful. Also WKIN & WXOX were heard 11/4 w/no signs of either WJAS or WTAE. WXOX was QRMED by WKDX. Pittsburgh was just not coming through for some unknown reason. A week ago today a church member & I went to Elkins to get some Winter things. While there, we went also to the dime store. On one of the counters I picked up a copy of "The Big C Marvelous Managerie of Music" for 11/4/71. It lists the Top 40, Easy Listening and Sports and was issued by WCDE Radio, Box H, Davis & Elkins College, Elkins. I turned on my car radio which isn't finely calibrated & heard musical noise in the 900s. What frequency does WCDE hold? Another great question I have concerns 2/4p reports. How soon can one send a 1/4p? I have several stations that haven't answered within the past two months, & I just don't want to let them get by the board. Does anyone have any information concerning veries or v/s from WIMD (Laurel), WQMR (Silver Spring), WPRR (Brunswick), WKLC (St. Albans), WOVE (Welch), WWHY (Huntington), & WYLO (Pineville)? Those are the only stations from Md. & W. Va. I need confirmed to complete those two states. I've heard them too, but I've had no luck hearing from them. Is WRDS broadcasting on 1450 yet, or is it still on 1410? Three recent veries from W. Va. are WPNB-1080 WSIW-1310 & WSGB-1490. WSIW's address is 73 East Main Street. That's all for 11/13. 73s.

MIKE COLLINS - 2021 Main Street - Stratford, Connecticut - 06497

WKBW ran their own modern version of "War of the Worlds" Halloween @ 11pm, substituting towns & streets of Buffalo area, and put on quite a few people apparently, as all-NX WINS-1010 NYC next morning reported they & WKBW were both swamped with calls about "what was going on in Buffalo." CKIM-1570 Montreal is now Progressive Rock AN. Where is ZBML-1235 Bermuda these days? (On 1230 -ERC) Interesting to hear WFEA-1370 Manchester N.H. is a poor verifier, as they used to offer an album for furthest report each week. Recent DX: 11/3- WKLO-1080 Louisville briefly o/local WTIC 6:45pm w/jingle & rr, then WOAP-1080 Owosso, Mich. o/WPIC w/local NX until 7 s/off. 11/4- 12:15am, WNAK-730 Nanticoke, Pa. testing w/instrumental mx, progressively stronger up to 12:30 o/CKAK/XEX. 11/5- 3:15am, KRMG-740 Tulsa noted weakly, then suddenly strong @ 3:25 w/"Accent" @ 3:30am, WRIZ-1550 Coral Gables, in SS 5-5:30pm s/off, then WGO-1550 New Smyrna Beach s/off (big sound for a small 250w) WVOP-1000 Huntsville, Ala. u/WCFB 5:35-5:45pm s/off w/local & Ac NX; NN religious mx & preaching on 970 5:45-5:50pm, faded before ID (KWAM?) 11/7- 2-3am, PRE3-1180 R. Globo, Rio de Janeiro, I&C w/whistle ID not dissimilar to that of XEOY (WHAMoff SMS), but R. Clarin-860 in, no Brazilian evident. MM 11/8- 12:30am, WCOP-1150 Boston testing; R. Tirana, Albania-1088 in good; Lille-1376 in solid too; lam WHN s/off, giving me the rare privilege of hearing XEG in the clear, w/a preacher offering annotated handkerchiefs; XEG noted off after 2, leaving CHUM alone. 1:38 WCBS noted off w/OBZ4N-880 R. Union, Lima, very strong. With Lima nulled, Washford, England-881 also in very strong; KONO-860 San Antonio w/TX weak @ 2am & rr. MM 11/15- KV00-1170 Tulsa w/OK s/off @ 1 saying they were closing down for an hour for ET for FCC. WHPB-1060 Benton Harbor, Mich. @ 1 testing (KYW off), 2:20 CKCK-620 Regina (province #6, I never heard CKK) w/c/w & jingles like WIS' last Winter. I heard WHOT-1330 3-4am, sounded very good. Radio trivia questions: What ever happened to WREX-1080 Duluth (10,000/5,000) & MBS affiliate, & WXXW-850 Albany N.Y. (10,000 U), an ABC affiliate, both on in '48 but off by '55? I'm especially interested in WXXW. Did they have much of a signal? I wonder why none in that market ever took the frequency?

DAVID SIMKO - 476 Idora Avenue - Youngstown, Ohio - 44511

Greetings from the "Mystery Member" of the "YAD." Since this is my first time in Musings an intro is in order. I am 18 and majoring in Accounting at Youngstown State. I have been DXing on/off for about 13 years. I have been using an RCA six transistor with no external antenna as yet - it's better than no RX but that's about all. I have only been able to DX about two hours in the last two months, due to school, work, and other unimportant reasons. How to DX: 9/27- TIE-1540 "R. One" o/WPTR @ 10:15pm w/"Bahamas WX" & rr. 9/28- WKKE-800 @ 7:45pm wiping out CKIW. WKLO-1080 @ 7:55 w/rr. WKYB-1000 s/off @ 7:30 u/WKDE. 10/27- WDOC w/"Big Country Sounds" on 1310 @ 7am. WTNE-1530 s/on @ 7. 10/29- WZIP-1050 s/on @ 6:30. WCNR dominating 930 @ 6:35am w/rr. KOAM-860 o/CJBC from 7:15-7:40pm for state #38. 10/31- KFYR-550 @ 6:25am u/KSD for state #39. WPGM-1570 u/WTCL w/NX @ 4:30am. WMPB o/WPTF @ 6pm. That's it for now.

WEB BOYD - WHOT - Youngstown, Ohio - 44505

First, a 1,000% vote for ELT in DX NEWS. Now to DX (??). I finally verified Maine w/WJAB-1440 6am SM s/on, great signal. I heard WITN-930 & WMBL-740 on for Hurricane Ginger. KUDL-1380 now a pest MMs 2-3am. Ditto WJAX-930 most of the time o/WBEN/WPAT/WKY. 10/10- I picked up KRKO-1380 that the whole world (except me) heard last Winter. WMEE-1380 now AN-6 off MM @ 1 w/rr. I slept through the WYDK TEST. Starr says it was good there. WAAX-570 noted off @ 1:15 well o/WNAX/WFAA/WMCA w/local off 1:05, sked change. Also on 11/2 WIEB/WIAG-580 battle w/weak WKAQ, usually the reverse. 11/3- I noted WFRW-1460 on till 1:20 w/ER. WREO-970 on past 2:30 w/same. 11/5- KVOX-1280 f/c well on top, then 2:20-2:45 w/solid 20 signal WSHY Shelbyville, Ill, new 250w on CP (BP-18068). I thought it was WQXR at first; much OC. Also on 2-3 days in a row. 11/7- Good copy on WSIW-1310 for newie well o/WFAH/WGH/WKNR. Then WIFA-1590 killing WAKR @ 5:25-5:30pm s/off. 11/8- I noted WBBF-950 now on MM w/rr, good here u/KIMN in WWJ's null. CFAC alone on 960 till 4am, then HNS till 4:07 & HJHN s/on @ 4:30. I noted weak MoR w/CBS-type NX u/CHNS/CFAC @ 4c that had to be KOOL. 1360 now almost as clear as 1380 MMs. 4:20am nulled WKAT to log WDRC. I noted unID MoR there & weak Top-40 to SW. It was a K call & two hours off; I think, KRUX. 1480 had no WHOM 11/8, WLEE/WDAS/KBOB. Veries in: WCVL-1550 (personal letter, kinda rare from him - seventh report), WHTH-1000 (DX TEST in January sometime, I think) WAIN-1270-TEST WITN-930 WDVA-1250 WEEZ-1590 (finally) WLL-930 for 12/13/70 report on PSP) WSPA-950 nice v/1, KRKO-1380 WAMO-860 & WUFO-1080 (they send SASES) CKLC-1380 WBUY-1440 WINR-680 WDDY-1420 WDAR-1350 WANB-1580 KTRH-740 WKVY-1270 & WAAB-1440. Lots of others of the WLAC WCBS type which I'll skip. I have a v/s for WDXR-1560. Send me reports, then wait a while for verie. I'm still working on WHLO-640 forms, veries coming. The KWYR-1260 should be an easy S.D. as I heard him about six months ago 6:45-7am f/c w/a lot more stations on. Still out, EBC-1088 France-1376 & (notice, BGK) WRKO-680. Later.

SGT. E. BRUCE REYNOLDS - Box 3082 O HQ Far East Network - APO San Francisco 96267

Hi everyone! Just a note to remind everyone, especially WCers, to be on the lookout for FEN stations during the DX season. Last year I received verifiable taped reports from California on our 810 1550 and 1580 outlets. We also have two low-powered stations on 1570. Any reports will be most appreciated, especially if taped. Send them to me and I will check them out personally. Reply by v/q or v/1. All outlets are 24 hours, normally // except 9pm-midnight and 5-7am, GMT. If you are checking SW for //, be advised that our 6,155 outlet carries automated, easy-listening mx 9pm-2pm GMT. 6,155 & other SW outlets are otherwise // -810. It appears I will be here in Tokyo until 9/73. Currently I'm doing the sports and six c/w shows per week. We broadcast a few of the Orioles' games here in Japan and they proved a bit much for the locals. Dave Roys, Nashville '74 sounds great! Take care & best of DX.

LET'S KEEP THOSE MUSINGS FLOWING IN, BOYS. PLEASE MAKE THEM FULL OF YOUR DX DOINGS AND IN SENTENCE FORM. A COUPLE OF YOU LIKE TO PUT THE FREQUENCY AHEAD OF THE CALLS - CAN'T YOU FOLLOW THE DX NEWS PATTERN? THIS MAKES FOR RE-CONSTRUCTION AND OF COURSE TAKES TIME. ALSO, PLEASE USE THE WHOLE FREQUENCY - like 1130, not 113!  
THANK YOU!

KEITH BIRLINGMAIR - Route 1 - Box 44P - Rockton, Illinois - C1022

Hi, everybody. I recently received a veric from KGLC-910 Miami, Okla. The v/c was very nice, & so I sent a letter to the signer, requesting a CPC TEST. I should get an answer soon. Only DX is WNFV-1130 N.Y. @ 7:55, w/quite a bit of interference from WDGY. Interestingly, WISN in Milwaukee was not heard, and never is, except in the daytime. I don't know if this is too accurate an assumption, but on my bearing from Milwaukee, on groundwave, the power is .031 watt. Paul Hart, in his pattern article, said to make an arbitrary 500:1 rule, for antenna power, but he said that applied only to skywave. On groundwave (which I should get), the figure of .031 watts is accurate, I think. The Beverage get bigger every week, this week by 180' more, to bring it up to 1150'. I put a 360 ohm resistor on the N end this afternoon, grounded to a fencepost, but it doesn't seem to work. I also had to fix two breaks. Do other people have such problems with their Beverages? Speaking of patterns (I was?), when will the pattern book be ready? The following trivia will conclude this Musing. The first snow came on 11/9. I am entering the Domestic Contest, and am already figuring out some of my present point scores. I won't be using the Beverage for it, 'cause I need that multiple of 10. (I'm using the Wards portable w/internal antenna). Starting 11/11 I will be doing little DXing until around 11/26 because I'm in the school play. Well, as they say in N. Charleston, S.C., WNCG - Why Not Chicago, Guys? in '74. 73s. (Are you offering to host it??-ERC)

KEN ONYSCHUK

Hi again. I spent the last weekend at a lake cottage near Sturgis, Mich. helping a neighbor move in from HMWD. (Is that near FISM?? -ERC) I also spent a good deal of my free time on my radio. Throughout the daylight hours I DXed 74 of 107 channels. Stations by states: Wis.: WTMJ-620 WOKY-920 WISN-1130 Ill.: All Chicago but WNUS-1390 WIND-560; WKRS-1220 WILL-580. Ind.: WSBT-960 WERK-990 WPCA-1050 WIBC-1070 WOWO-1190 WAWK-1140 WGL-1250 WCMR-1270 WPRC-1340 WIOU-1350 WIMD-1420 WKAM-1460 WLOI-1540. Mich.: 27 stations, too numerous to print, three from Ont.: CFCC-630 CKFL CHYR MoR, CKLW-800, eight from Ohio. I picked up three NX radios at PM - WBEM-780 WBSB-880 KYW-1060. At home, late PM daily I pick up KNX-1070 NX radio. On the Domestic Contest, I have 103 stations. I'm getting the more difficult ones in first, out of the way. "Newies"- WTHI-1480 Terre Haute 11/3 @ 5:24pm, WCIN Cincinnati 5:35 11/8, KTOE-1420 Minn. 5:30pm 11/10 WCCC-1260 Wis. s/off @ 5:30. Total now about 360. My DX hours are 4:30-12pm, & limit my activity, since I get up at 7 daily. I do what I can. My job as Assistant Shearer at Century Steel in Chicago Heights is rather a bore, though no complaint about pay. 73.

JOE KURETH - Box 493 - Westminster, Maryland - 21157

DX has improved with the sudden change in WX, typical for Maryland. It was 82 last week and tonight it's snowing! Many thanks to Tom Yingling of the NRC for hosting a DX gab-fest (feast?) at his home on 11/6. It was good to meet so many DXers and I'm sorry I had to leave early. My SM-1 didn't go over w/b big bang but I'll lay the blame on line noise & some CW nuts in the room transmitting. Good news is that I'll be moving further out in the country than I already am to a small town W of here, New Windsor. Also I will talk to Russ Morgan, WTR GM, about a TEST some MM soon. Now to recent DX: OCon 630, IIs as KTI-9961 every half hour, has been heard the past two mornings between 11am & noon, 11/9-10 FCC in Baltimore says they are a licensed experimental station in Baltimore by a BCB station for field measurements. I've written the FCC in D.C. for more info. Go get 'em! WBT has been noted off recently w/OC, XERCN-1110 Mexico, D.F. usually noted w/them. 11/2- WCND-940 Ky. testing @ 12:15, new log, & reported. CFBC-930 N.R. r: on top @ 1:20. 11/3- Unn WMLT-1330 Ga. MX test & ID after each record from 1:45-2. Total heard nears 1,200. RX is Hallcrafters SX-43 w/SM-1. 73. FCC granted Pock City Broadcasting for a new AM station in Chattanooga, but no frequency given.

EVERYBODY PLEASE DOUBLE SPACE YOUR MUSINGS REPORTS. MUSINGS ARE FOR YOUR DX DOINGS!

CHRIS LUCAS - 407 Elmwood Avenue - Ithaca, New York - 14850

Last week I strung up a 60' outdoor antenna, only about 10' above the ground, but results have been quite good. I started a log of stations heard at this location shortly thereafter, & last night w/the logging of WEVD-1330 I reached the point where at least one station was logged on each domestic frequency. Most are local or regular, but there were a few surprise loggings. The most interesting loggings follow: 11/6- WPAR-1470 Pa. @ 5:29pm, WCHO-1470 O. @ 5:34. 11/7- WWRL-1600 N.Y. @ 10:29am, WKNY-1490 @ 11:06am, WGNV-1220 @ 12:30pm, WMTN-1250 N.J. @ 2:31pm. 11/8- WTHM-1530 Mich. @ 4:05pm, WHIS-1450 Mich. @ 4:15; CFJR-1450 Ont. @ 5:17, WISL-1480 Pa. @ 5:48; WPOP-1410 Conn. @ 6:39, WDRC-1360 Conn. @ 6:51; WAVZ-1300 Conn. @ 7:14pm. 11/9- KFI-640 Cal. @ 12:42am, WINA-1070 Va. @ 12:50am, WTYM-1600 Mass. @ 4:30pm, WQWV-1380 Conn. @ 4:34, WMEK-1510 Mass. @ 4:54; WBCN-1440 Mich. @ 5:20; WBBX-1380 P.H. @ 5:58; KLLZ-1330 Minn. @ 6; WDVA-1250 Va. @ 8:16; WWDJ-970 N.J. @ 9:44; WPTN-960 Va. @ 9:42; WPAT-930 N.J. @ 10:30pm. 11/10- KLCN-910 Ark. @ 6pm, CBW-990 Mem. @ 7:30, CKSO-790 Ont. @ 9. 11/11- WCAO-600 Md @ 6:13pm, WSJS-600 N.V. @ 6:15; WTMJ-620 Wis. @ 7:09, WIS-560 S.C. @ 8:19, WFIL-560 Pa. @ 8:39pm. 11/12- WFEC-1400 Pa. @ 12:47pm, WWLE-1170 N.Y. @ 1:16; KOAM-860 Kans. @ 6:14pm; WGBB-1240 N.Y. @ 11:39pm. 11/13- WWDG-1260 @ 12:21am, and WTBV-1590 Conn. @ 6:06pm. Totals: 28 states, D.C. & four provinces, w/a total of 167 stations logged. By the way, Ithaca is located 45 miles SSW of Syracuse in upstate N.Y. & I am a graduate student here at Cornell. I also do some air work at FM station WVBR-FM-93.5. No local nighttimers here yet, but WTKO-1470 will be on w/500w. nights soon (12/11, according to latest rumor) directional N at night. A few observations from this new listening post: Western clear channel powerhouses are much better received here than in Conn. including KFI KOA KXEL WQAI WCCO CBW KSL & WBAP. Quite a bit of daytime skywave has been noted in the past week, bringing in many loggings about 200 miles away. I've been without DX NEWS for almost two months, apparently due to mail foul-up. I've written HQ. 73.

PIERRE TROMBLAY - 112 1/2 Avenue - Quebec 3, Quebec

Hi from the walled city! One of my big catches of the last quite inactive Summer which I forgot to mention in my last report was probably WHOT-1330. Now, some recent DXing. 11/5- I noted CHIN-1540 w/Italian program @ 4:40-5:05pm. 11/9- CBEP-540 w/FF atop w/SS behind it @ 12:30am, CKCN-560 12:50, WMTT-620 w/rr @ 1:40, CFYU-630 w/what I'd call non-stop soft mx but however topping regular CHLT by far @ 1:45am. On 640 I heard "R. Habana" & "La Voz de Cuba" though no ID; it must be CMQ, what else? (La Voz de Cuba IS their ID! -ERC) CKCY-920 o/CJCH w/both rr; 920 has become a dull frequency here. WJOY-1230 3:10 am, WFBW-1300 o/WERE, the latter w/so-called sound of the world. 11/19- WGAN-560 4:55am, CBT-540 5:09, WJAR-920 5:20, CBV-990 5:35, WDRC-1360 w/rr 5:45am w/WDRC dominating 1360 these days, WFEA-1370 w/Garner Ted @ 5:50, WEGP-1390 w/c/w 5:55; WTTT-1430 w/s/off @ 4:30pm & WENE taking over after that. 11/11- One of our locals, CJRP-1060 is off the air this morning. As I told you in my last report, CJRP will increase its power to 50kw on 12/1, so they must leave the air a few times in November for technical works. KYW-1060 went in at about 1:51 w/all NX. I tuned KYW until 2:15am. The much-sought WRNL-910 w/rr followed by NX @ 2:20-2:40am, WFLI-1070 w/rr had according to their announcer "tests on their daytime power of 50kw." 3:45-4. On 560 around 4:20am there were CKCN w/FF, WFIL w/rr, & WGAN. At 4:50, I waited for CBA's s/on on 1070 when CJRP suddenly boosted 1060 w/a record. CHSJ-1150 w/c/w @ 5:05am. CM traders should write me. I have some CMs of 50 & 10kw Canadian stations such as CBK CBL CKAC CKLC etc. in double. I've only one duplicate for each station to trade. I'll end it up here, best DX to all.

RICHARD NOEL ALLEN - 731 William Hall South - Stillwater, Oklahoma - 74074

This is my first note to Musings. DXing in this building is terrible, so nothing here to report. I can hear WRZ KNBR Belize & CFRB. No time for DX w/exams and research papers. I graduate in January w/a B.A. in History. Happy Thanksgiving to all the guys. 30. (Welcome to the NRC, Richard, and also, congrats on your up-coming B.A. degree! -ERC)

NEXT ISSUE IN TWO WEEKS. WE ARE PREDICTING IT'LL BE A GREAT ONE FOR MUSINGS!

KEITH BIRLINGMAIR - Route 1 - Box 44P - Rockton, Illinois - 61072

I everybody. I put my beverage back up on 11/5, after some vandals tore it down. It's really sturdy now, so if it comes down again, it'll have to be a big wind. DX as follows: 11/5- Bellme-534 in w/WJMS on an evening, C/9:34, w/continental EE & SS songs. At 10:30, CBJ-1580, Chicoutimi, Que. w/an FF ID, taped, if someone can translate. 11/6- A little daytime DXing. WMIR-1550 Lake Geneva, Wis. in well @ 9:25am, many ads & NX @ 9:30. Next, WPTN-1580 Watertown, Wis. very strong w/four ads, three songs, & WX from 9:40-9:48. Next, WMCW-1600 Harvard, Ill. from 9:51-10 w/plenty of ads & MoR. Evening brought in WFTC-1280 Minneapolis, very poor signal, so no report. WNEF-1290, Binghamton, N.Y. fighting WIRL/KOIL & losing @ 9:49. KDTH-1370 Dubuque was heard @ 9:42 w/surprisingly little WSPD QRM, rr, w/a distinctive ID. Next, on 980, an LSU-Alabama game w/an interview w/someone from Ala. during half time @ 10:45, who? WCHS-580 W.Va. @ 11 ID, then on 570, WAAX Ala. w/rr @ 11:16. 11/7- I had an FF on 1050 @ 1:33am, CKSB? More daytime DX, WKZO-590 Kalamazoo, @ 3:32pm w/MoR @ 147 miles. KSD-550 @ 253 miles, KMMT-540 @ 248 miles, and WKTY-580, at 142 miles. 11/8- Two SS on 1000, neither was Mexico or R. Mil from IDs, but unk otherwise. This @ 3am. WSIX-980 in well w/c/w @ 3:15. SS on 950 @ 3:40; WIXY-1260 in w/WNDR QRM @ 4:06 w/rr. KFJZ-1270 TX @ 4:17, bad signal. WINS-1010 N.Y. @ CFRB @ 5, SS on 870 @ 5:05. WDMG-860 Ga. @ 5:27 w/c/w, SS QRM. WSDS-1480 s/on @ 5:55. Thassit. 73s. (Who's WSDS, Keith? -ERC)

GARY SIEGEL - 2728 106th Street - Toledo, Ohio - 43611

It's been a while since I've last Mused so I decided to do just that - so here 'tis! Some of you who are sports fans, FB to be specific, might know that 'my' very own Toledo U. Rockets are presently riding the crest of a 33 game winning streak. The team is 10-0 this year & will represent the MAC for the third year in a row in Orlando's Tangerine Bowl. On the DX side there have been some interesting occurrences, namely KPNW heard here between 3:30 & 4:30 on 11/1 w/KMOX on/off - testing occasionally. KPNW had song after song - no ads, & sounded MoR w/some oldies mixed in. I had to call the station to clinch this catch because I couldn't get a clear ID from it - State #43, however. Every MM for about the last seven weeks has seen Cal. come in strong, namely KGBS KFI KNX KNBR etc. Also CFCN-1060 heard 2am 11/8 w/NX & HI at very high levels. This MM 11/15 I was on 860 & had a c/w TEST which IDED as (I believe) WUCR in Sparta, Tenn. --not listed anywhere. Is this a new CP or what? Time heard was 2:55-3:10. By the way, WFIG has changed its r/c time - was 12:45-1; is now 1-1:15 on third Tuesday, so make note of this as I just logged them this AM 11/16. Capt. Glotz is OK - we can all use a good laugh now & again! 73s & good DX & Toledo #1!

ERNEST R. COOPER - 438 East 21 Street - Carrier Route 56 - Brooklyn N.Y. 11226

One verie, v/f, WWOK-1260. Some more DX, like: SM 11/14- OC & TT on 1550, which I held onto & got a newie, as KOKA IDED @ 1:30; Shreveport, La., seldom heard up this-a-way; must have been their day power/pattern. An OC on 1560 also, but I thijk this was WQXR on dummy antenna as that full S-9 carrier came on later. Only TA noted was on 1367, Nordsee, likely, not enough. MM 11/15- I noted unnn WIEW-580 in WKAQ's null w/c/w, AN, & an FFC w/WKAQ in their strength, so likely in the same line but on the other end of the line, unID. Unn KPMG-740 ET/mx @ 2:50. I heard an rr-er on 1140 off/on during KLUU-s r/c time, but unID, but a tentative sent to them. Is that a R. Cinco ID I'm hearing on 1200, or is it only R. Tiempo? MMs, that is. Noped off were such stand-bys as CKFH-1430 WSIR-1350 WDRG-1360 (after 3am) but all NYC pesets were going great guns. An FFC noted on 900 @ 4:17am, unID. And Santiago, D.R. weak u/several OCs on 1380 @ 4:32am, but too weak to log. I sent this bird a report w/Dominican postage last year, but to no avail. (Noah Vail?) There seem to be AN FFCs on 580, 900, 1230, as well as the more common ones. Say bous - when you send in your Musings to me, please address me as Ernest R. Cooper - not E.R.C., or something else, like N.R.C. Musings, or such - this is a three-family house, and we don't have a postman with a PhD, so a letter addressed to the National Radio Club or just E.R.C. might wind up going back to you. Some of my mail has been stamped in red of late with "C. Cal Rt. 56", so it'd be smart to include the 56 in my address. C U N 14.



Supremacy  
Ratings

NORM MAGUIRE  
1877 KALAMAZOO  
MPT. 704  
HONOLULU, HA. 9685

DXer	Location	T.V.	CTCS	FOR.	EUR.	Most Distant Verie
L. Kruse	Iowa	4071	15	77	—	?
W. Stone	Ontario	2910	32	2097	—	? 10,024#)
L. Maguire	Hawaii	2843	54	2019	17	61F Perth, Austr. )
G. Allen	California	2737	57	503	3	61F Perth 9228mi.
S. Drake	Pennsylvania	2045	55	315	38	44K Austr. 9568mi.
H. Holbrook	Maryland	2287	99	690	145	SPI Austr. 10,500mi.
F. Wheeler	Pennsylvania	1570	23	185	—	1YA N.Z. 8,663mi.
R. Sperry	Connecticut	1611	40	235	14	?
R. Anderson	Virginia	1435	100	423	127	SPI Austr. 10,520mi.
C. Freeman	California	1381	61	342	15	4QS Austr. 9,242##
A. Rugg	Quebec	1376	54	1182	48	Egypt (773) 5,445mi.
D. Reynolds*	California	1345	75	465	30	3LO Austr. 10,495##
A. Merriman	Virginia	1282	83	277	72	?
R. Luton	North Carolina	1044	23	142	3	?
J. Starr	Ohio	1003	45	176	17	?
W. Willis	California	880	55	125	17	R. Sarawak 8,050mi.
D. Whatmough	Ontario	865	11	?	2	KOIL, Hawaii 4,575mi.
H. Gustafson	Illinois	828	94	284	101	?
B. Reynolds	Missouri	800	24	100	—	2NA Austr. 9,600mi.
F. Waldron	New Jersey	714	28	161	21	Albania 4,603mi.
D. Phillips	Kentucky	562	26	407	57	?
C. Mohr	New York	557	21	102	5	R. Senegal 3,836mi.
G. Scrimgeour	Ontario	526	47	440	18	?
R. Eddie	Missouri	508	11	32	—	?
T. Davisson	Ohio	474	11	38	—	?
R. Richman	New York	412	10	60	—	DKX, EPT 2,446mi.
B. Dangerfield	Pennsylvania	408	109	333	147	?
M. Sorenden	Ontario	402	8	299	—	?
J. Renfrew	Maryland	366	16	51	—	?
H. Wilkinson	California	330	62	317	2	?
J. Neff	New York	302	29	87	10	?
R. Leamy	Pennsylvania	301	41	106	18	?
J. Burger	Holland	291	60	281	136	?
H. Robie	Massachusetts	257	85	143	56	?
T. Kerfoot	Ontario	232	6	179	1	?
J. Pejza	California	223	22	45	1	ATA N.Z. 7,170mi.
J. Shannon	Pennsylvania	187	9	8	1	?
B. Karchevski	California	161	5	8	—	?
C. Reno*	Connecticut	106	22	58	2	?

Sorry more members have not sent me their choices of their most distant veries, I'll do all the distance measuring on my National Geographic globe, so all distances have the same chance for error and might not agree to computer mileages, hi! Welcome to William Willis. Also, sure hope Hank Holbrook can verify one more new country and reach that most difficult goal of 100 countries verified on the BCE. Notations above: # from Albuquerque, N.M. ## from Fort Wayne, Ind. ### from Newberg, N.Y. I'd like your most distant verie, from any location that you DXed. Also, when updating your statistics, please note any changes since last report. Next month, Oceania veries with your best verie listed. Still looking for my HQ180 to arrive from Albuquerque so I can get D'King again. Good DXing to all. 73 and Aloha, Norm