

"I have been a member continuously since joining in 1951 and want to extend my thanks and congratulations to the Boston clan for a job mighty well done." (Duane McMurray, Iowa)

IN THIS ISSUE...

Limitations in the Use of the A Index for MW DX'ing, I - Gordon Nelson

NEW MEMBERS THIS WEEK...

- \*C.F. Adamson, 103 W. Main St., Bldg. 9, Apt. 3, LeRoy, NY 14482
- \*Fred Spurrell, 647 SW 132nd, Seattle, Wash. 98146
- \*Robert Dykes, 9230 Kenilworth, Houston, Tx., 77024
- \*Wm. Krakow, Physics Department, U.N.C., Chapel Hill, N.C. 27514

**V**

Welcome to the NRC, people; we hope to be reading of your DX activities often here in DX NEWS.

SCHEDULE FOR DX NEWS...

This issue is going to the printer at least a day late; we are holding for the arrival of Page Taylor's IDXD section which at this moment has been in the mail for 4 days Special Delivery from New Jersey to Boston... We take our regular one week skip next week and then resume weekly publication until late spring.

1973 DOMESTIC LOG PROGRESS REPORT...

The final updated copy for the new Domestic Log has been received at HQ and is now being Xeroxed to produce the copies to be sent to the proofreaders. **Additional** copies are being sent to the members who have volunteered to help prepare the alphabetical/frequency tabulation. **Format, size, and price will be roughly the same** as for the previous edition - the only major change is the alphabetical call/freq tabulation, **More info next time...**

ANOTHER SMALL ISSUE...

We may be the largest MW DX club but you wouldn't know it from the size of some of our recent issues... **The only things we're holding here at HQ are some technical** articles dealing with patterns; they're being retyped and redrawn to render them suitable for reproduction... **The Editors and Publication Committee are waiting to** hear from you - why be quiet and shy..?

## CREDITS...

Publication crew for the last couple of issues: Chuck and Jackie Rossier, Grace-Anne Stipe, Ray Moore, Hal Robie, Diane Nelson, Big George and GPN...

## HQ LOSES ITS OWN AMAZING GRACE...

One of the BPC's most faithful workers, Grace-Anne Stipe, will be leaving our ranks very shortly... **By the time you read this she'll be Mrs. Victor Benoudida** and on her way to live in Paris where she'll keep us up to date on the European scene, **Best of luck to Grace-Anne and Victor and we'll really miss her around here!**

## TROUBLE RIGHT HERE IN RIVER CITY...

Compared with the goings-on in some of the other DX clubs things are usually pretty quiet here in the NRC - we just keep grinding out DX NEWS, special projects such as the Pattern Book and the Logs, and try to find time to continue our own DX'ing and research efforts to improve the state of MW DX art... A couple of unpleasant items have come to the attention of the HQ crew recently, however, and since they have implications beyond just the NRC we feel they should be aired. **The first is a letter from Richard E. Wood:**

"It has come to my attention that my NRC Musing of Aug. 29, 1972 (Vol. 39, no. 31 of DX News ) was rudely plagiarized, without my permission or my being informed or sent a copy of the issue in question, by the Arctic Radio Club's MW Eko of Oct. 2, 1972. Since this plagiarism of my material was done without my knowledge or my being informed, I expect an explanation and an apology. Likewise, I expect NRC to prevent future incidents of this kind. If this is not done and my Musings are liable again to be subjected to such misuse, I will no longer be able to support NRC and will have to reconsider my status as a member. **It should, incidentally, be remembered that ARC is not an open club dedicated to furthering DX-ing, but a closed self-styled elite group whose elitism seems to be furthered by plagiarizing other people's material in a discourteous manner. May I look forward to your early and specific reply?**"

We feel that several points warrent comment. The Musing in question concerned **Wood's recent trip to Alaska and reception conditions during that time.** "Plagiarism" is a very serious and emotion-laden charge, yet all of the English language dictionary definitions we can find stress that plagiarism is the use of material created by someone else yet claimed as one's own work... **Yet the Musing in question was fully credited to "Dr Richard E Wood";** perhaps then we'd like to suggest that it's nothing as serious as plagiarism but the definitely lesser sin of reprinting without the permission of the author...? **The interrelationship between the various DX club publications is quite casual.** The NRC maintains exchange relations with most of the major DX clubs interested in MW DX throughout the world; vital information and relevant articles have been freely exchanged and reprinted for many years, always with due credit given to the original sources. **Over the years our own IDX section has profited greatly by the material originated by clubs such as MW Circle (England), the two New Zealand clubs, Arctic, the Benelux club, etc. By the same token these overseas clubs - all volunteer and nonprofit efforts such as the NRC - have drawn heavily on DX NEWS. Many of the new items appearing in our IDX section are immediately picked up by the overseas clubs; likewise many of the original technical**

articles appearing in DX NEWS - especially those by GPN - have been reproduced in various overseas bulletins. **We feel that such an exchange of information is vital to the continued growth and progress of the MW DX hobby.**

Wood demands that we apologize and "prevent future incidents of this kind". Fine, **Richard, but how?** The item in question was reproduced from DX NEWS without our knowledge or consent; how are we to go about preventing other individuals or organizations from reproducing material originated in DX NEWS? **And why should the "plagiarizee" have to apologize for the sins of the plagiarizer?**

We have sent a letter to Arctic requesting that they refrain from reprinting material originated by you, Richard. Otherwise we will continue to leave our material freely available to the clubs with which we maintain an exchange relationship; once we begin to limit the availability of material originating here in DX NEWS we can only expect the like in response - to the detriment of all we believe...

We cannot control the eventual destination of material appearing here in DX NEWS; once DX NEWS hits the Post Office it's out of our hands both literally and figuratively. All we can suggest is that members who contribute material to DX NEWS and wish to deny it to specific other clubs **ADDRESS THEIR GRIEVANCES TO THE OTHER CLUBS AND NOT TO THE NRC.**

The delicate theme of interclub relations has also been raised in a second communication recently received at HQ. **It appears that a number of members sharing joint membership with another DX club recently got together and decided that merger between the NRC and the other club is "necessary in the not-too-distant future" and has begun "investigating the XXXX constitution for loopholes to consummate a merger quickly if need be."** This group has even decided on the structure of the new merged club and the bulletin format. Who'll get the responsibility and workload of publication is not made clear except that it won't be anyone in the group that's trying to engineer the merger. **Should anyone have the timidity to question these fiats, a simple and efficient solution will be imposed: "Political considerations and individual soap-boxing should be cast aside in the higher interest".**

During the more than 4 years that the Boston Publishing Committee has been shouldering the responsibility and workload for the production of DX NEWS and the operation of the NRC it has been our policy to refrain from any and all interference with the operations of other DX clubs. DX clubs are complex and fragile structures made possible by the volunteers who give freely of their time and resources to keep the wheels turning behind the scenes every week... **The Publishing Committee does not believe that the NRC has any right to tell another club how it should be run and does not attempt to do so.**

The activities of this group are totally without the approval or sanction of the NRC Publishing Committee. **We deplore this premeditated and calculated attempt to interfere with the operations of another DX club and wish to make our position perfectly clear to all parties concerned.** Merger is a bit like Utopia - easy to talk about but surprisingly difficult to actually attain. We seriously attempted a merger four years ago but it didn't work out; we still believe that a merger might well be in the best interests of the hobby and are always willing to discuss the nuts-and-bolts of such an arrangement with duly appointed representatives of other clubs.

\*The Publishing Committee

1/8 KDDA-1560 (see below)

**SPECIALS**

	ke/c	Power			A.M. - P.M. - E.T.	
Mon. Jan. 8	W O K G	750	500 U-2	Pawtucket, R. I.	N R C	12:01 - 9:00
	8 W S B S	800	250 D-1	Great Barrington, Mass	N R C	2:00 - 3:00
Sun. Jan. 14	W J D X	620	1,000 U-2	Jackson, Mississippi	N N R C	1:30 - 4:00
Thu. Feb. 8	W P C F	1430	5,000 U-4	Panama City, Florida	N N R C	2:00 - 3:00
Mon. Feb. 12	K O T A	1380	5,000 U-2	Rapid City, S. D.	I R C A	1:01 - 2:00
	12 K W H N	1320	5,000 U-2	Fort Smith, Arkansas	N N R C	2:00 -
Tue. Feb. 13	K G H L	790	5,000 U-2	Billings, Montana	N N R C	4:00 - 5:00
Mon. Feb. 19	W K I G	1580	1,000 D-1	Glennville, Georgia	N R C	3:00 - 3:15
Sat. Feb. 24	K L C L	1470	5,000 U-2	Lake Charles, La.	N N R C	3:00 -
Mon. April 2	W R A N	1510	500 U-4	Dover, New Jersey	N N R C	2:00 -
Mon. Jan. 8	K D D A	1560	500 D-1	Dumas, Arkansas	I R C A	3:00 - 4:00

WGNG-550. Duane Burnham, WGNG, 96 John St., Cumberland, R.I. 02864.  
 KDDA-1560. Alan W. Eastham, G.M., KDDA, Box 215, Dumas, Ark. 71639. 312-834-7015  
 WSBS-860. Thomas Jaworski, MxD, WSBS, Great Barrington, Mass. 01230. We don't have the time, but we BELIEVE it will be 2:00 to 3:00, E.S.T.!

Check Mon. Jan. 15 and/or Jan. 22 for possible silent morning by WWRL, and if so, then look for these stations to TEST:

157	W C P K	1600	1,000 D-1	Chesapeake, Virginia	N R C	2:30 - 3:00
Mon. Jan. 22	W L E B	1600	1,000 D-3	Golden Meadow, La.	N R C	3:00 - 3:30
297	W L N C	1600	500 D-1	Sag Harbor, L.I. N.Y.	N R C	3:30 - 4:00

We are trying to find out from WWRL about that promised Monday silent date, so if we get the dope and don't have time to get it into DX NEWS, do check those three Mondays, for one of them MIGHT just be the one!

WPCF-1430. First 15 minutes will be their frequency check, then will follow some music and frequent IDs, and plugs for the Newark News Radio Club. Reports go to Mr. Reed Kinney, Assistant Engineer, WPCF Radio, Bay County Broadcasting Co., Inc., Box 1430, Panama City, Florida, 32401.  
 Info, Gene Vonderembse, of NNRC.

CAROLINA COUGARS BASKETBALL NETWORK					
WBBO-780	Forest City	WBBB-920	Burlington	WNGP-1050	Sanford
WNOS-1590	High Point	WSIG-1470	Greensboro	WPTF-680	Raleigh
WLQE-1490	Elon	WLSE-1400	Wallace	WLAN-900	Williamson
(From Bob Grubbs, I think)					
SEATTLE SUPERSONICS BASKETBALL NETWORK					
KOMO-1000	Seattle	KBKW-1450	Aberdeen	KKLY-920	Spokane
KXLE-1240	Ellensburg	KTF-1280	Yakima	KPQ-560	Wenatchee
KALF-960 Tri-Cities					
(From Charles Mohr)					

HEARD SINCE LAST ISSUE  
 1400 C B X N ex-1490 1490 C J C R Coleman, Alberta

"AN" SITUATION:					
GNs. 610	C H N L	SPU			
1230	C ? H L	SPU	1260	C F R N	AN-C (rr)
1400	C ? H L	SPU	1540	K B E S	SPU, noted on MMs

Very sincere Christmas, Chanukah, and New Year's wishes to all members of the NRC, and, let me once again remind you that Musings has been getting rather skimpy. The so-called "record" of 20 pages a few issues back was not really a record, as it was a combination of two weeks' copy from here in Brooklyn. This section is in need, men! List your DX day by day, and frequency, and be kind enough to double-space!

**MUSINGS OF THE MEMBERS**  
 MEMBERS LOGGINGS AND ACTIVITIES



CHRIS LUCAS - 407 Elmwood Avenue - Ithaca, New York - 14850  
 DX CX have been quite good, at least for domestic DXing, although I miss the Aurora of a few weeks ago. Loggings for past seven days: 11/28- WLTC-1370 N.C. @ 5:14pm. 11/29- WIIA-1580 Va. @ 5pm, WSFF-1000 N.C. @ 5:16; WJAX-930 Fla. @ 5:30pm, WTHB-1550 Ga. @ 5:30 s/off, WLOR-730 Ga. @ 5:45pm, WNOB-1060 Ia. o/ KYW @ 5:54. 11/30- WOIO-1060 O. @ 4:40pm, WFIL-1070 Tenn. @ 5:02, WPTF-680 o/WINR @ midnight. 12/1- WQIZ-810 S.C. @ 5:13pm s/off. 12/2- WRNL-910 Va. @ 4pm, WSIG-790 Va. @ 4:08, WKYB-1000 S.C. @ 4:56, surprise in WGGH-1150 Ill. @ 5:35pm, WSAO-1550 @ 5:45, WTVN-610 O. very good @ 6 (maybe still on day pattern by mistake, but a welcome log here anyway). 12/3- WOKO-1460 N.Y. @ 1:31pm o/u WAXC on daytime skywaves while local WTKO-1470 was running taped shows with low modulation and no highs; hence, no splatter. WOKO calls it self "OK Country", and apparently **IDE with call letters only on hour and half hour.** I had to wait about 45 minutes for that ID, as I missed the one on the top of the hour due to WTKO splatter (running live NX or something). WPGA-1100 Pa. @ 4:26pm, WJSM-1110 Pa. @ 4:28 s/off, WTBQ-1110 N.Y. s/off a couple minutes late @ 4:32 doing quite well against WEP for 250w. WRAR-1000 Va. @ 4:45 s/off, WIOO-1000 4:45 s/off also, for Pa. #84, WHNC-890 N.C. @ 4:59pm, WFMO-860 N.C. @ 5:17 s/off. 12/4- WGNG-550 R.I. in nicely on longwire @ 1:16am, SSS, WOWW-1380 Conn. @ 3 59pm, WDMV-540 Md. @ 4:25, WLIX-540 N.Y. @ 4:28pm for N.Y. #99, WBBO-780 N.C. @ 5:11, KFAB-1110 Neb. @ 5:49 very nicely w/loop. 12/5- I am listening to RX w/longwire as I type this & must logged CFRS-1560 Ont. @ 1:35pm mostly u/WQXR, but they faded up with promo for turley giveaway for clear ID. Much to my chagrin, WADD-1560 is yet unlogged here, D-1 @ only 90 miles. (I think they're D-3, Chris -ERC) (Protecting WQXR I'd guess) Total loggings now at 560. There are so many to hear it's hard to choose a frequency to listen to while DXing. The 11/25 DX NEWS arrived here five days late, & apparently there was no 11/18 issue. What happened? For new DXers interested in a good low-cost rig, let me say I've had the Lafayette HE-30 for 9 1/2 years now & find it very adequate for domestic DX. It has been replaced by an all-transistor model, which I believe is equally good, and sells for about \$100. 73.

(No name, single-spaced) - 2766 Lyle Street - Sarasota, Florida (no Zip)  
 CX here are better. I DX mostly during the daylight hours. I have added to my DX den a new loop. I built a frame out of 1 1/2" doweling & 1/2-inch plywood. It strads over 6' tall and is 48" from each corner, diagonally. (It's a diamond loop). (How many carats?? -ERC) I also devised a clever base by cutting a sheet of plywood to 24" x 24", put a small caster on each corner, and find a section of pipe about 18" long & a matching flange. The flange is bolted to the base and the pipe is screwed in, when the main shaft is dropped down the pipe, the loop will stand up. The loop has ten turns, tuned with a 265 uuf capacitor & a 115 uuf disc capacitor. Also, since it is an inductive coupled loop I have two turns for coupling to the RX. I don't have an amp on the loop, but one will be added later. Feedline is a two conductor shielded broadcast microphone cable, and does the job well. The loop also has popsicle sticks wound in the tank a la NRC Loop. This is the first loop I've ever had, and after eight years, I can say "Throw away that longwire - build a loop! Loops are Boss!" I have also bought a Realistic Patrolman ZB hi lo band monitor and it is tuned to our local S.O. (sheriff's office) all the time. Veries for November: WMOB-840 Ala. WINK-1240 Fla., KCBS-740 Cal., KBAT-680 Tex., WREC-600 Tenn., WLBE-790 Fla., KRMG-740 Okla., WBCF-980 Fla. Well, I'll pass along a Merry Christmas, Happy Chanukah, Happy New Year for Kathi (my wife) and myself. 73e.

WE BELIEVE THERE WILL BE A WELK'S HIATUS AFTER THIS ISSUE FOR CHRISTMAS. IT IS SORT OF CLICHE-LIKE, BUT HOW ABOUT A NEW YEAR'S RESOLUTION TO MUSE REGULARLY in '73? INCLUDE YOUR DX DAY BY DAY, AND DOUBLE SPACE, AND STICK TO DX SUBJECTS. THANK YE!

6  
ISAAC HAVES - 10113 Pillot Street - Houston, Texas - 77029

For the most part, CX have been good. However, last MM 12/4 an approaching cold front pumped the atmosphere full of static. In spite of it, a log on KCHY-1530 Cheyenne, Wyo. was taken @ 2:4am. Two entries in the logbook from the Houston address lately are WLLI-730 Lenoir City Tenn. @ 6am just before the XEX booming s/on signal. On 12/4 a long-sought TICAL-525 Costa Rica was monitored from 9:30 to 10:30pm. The call letters were never recognized, but mention of "R. Rumbó" and Santiago were frequent. This was easy listening to start with, but deteriorated as it got later. I can't believe it's only the listed 250w. One of the musical offerings was a vocal appropriately entitled "Feliz Navidad." We enjoyed a week vacation at the lake, during which I got in one fruitful MM session 11/27, the best catches being KTCO-630 Denver @ 3am; KXCK-130 St. Louis @ 3:01, using the SM-1 to null Denver; Mission Monserate, Colombia-650 @ 3:27, interrupted by MEM ITing; KTOK-1000 Oklahoma City @ 5:15am & WNOX-990 Knoxville @ 5:22am. Other DXing highlights: 11/28 - A Mexican on 760 IDing as XEDGO, R. Capital, @ 7:56pm w/WJR underneath, a new state in WNBC-660 N.Y. @ 11:08pm, & a good signal from KFI-640 at 11:38pm, w/the Cuban null'd somewhat. KBNH-1390 Farmington, N.M. has an unusual s/off musical selection in the male/female duet of the ancient "All Through the Night" @ 1. Day DX has been intriguing, catches like the following making it so: KLOW-1570 Loveland, Col. on 11/11 @ 9:28am L&C. I have monitored this 1,000 watter several times since; hard to believe! XELO-800, KMO-810, KOB-770, WBBM-780, WGN-720, WLW-700, WMAQ-670, WNAD-640, XEBX-610 can all be heard here days. The SM-1 generally furnishes a stronger signal but also pumps in more noise than the Beverage. Much metal in the radio shack must be considered, however, See you again through the Musings section soon.

JOHN A. CALLAWAN - 1122 Maple Street - Mount Vernon, Illinois - 62864

A little DXing is being done, as I start a new log. A recently purchased reconditioned HQ-180 and a 160' longwire into a degenerate loop tuner for instructions a few years ago from Fish (who apparently believes there are enough women in the nation) makes up my new den. I've cried twice to build an Altair loop antenna, and though the directions are simple, I can't seem to make it work. What's Joe Worcester's address? (DX Stamp Service is now run by George N. Robertson, W2AZX, 83 Rider Parkway, Ontario, N.Y. 14519 -ERC) First entry in new log is KJAS-1170 o/WLH, which used to be dominant daytime, on 9/24. I also logged my daytime dominant on 810, WMTS. On 10/3, I heard WKAR-870 from 6:47 to 6:59 s/off, o/WL. Night of 10/4 I found WETE excellent atop 620 8:19-8:34; KPAL-900 logged 10/5 6:10-6:20pm; KHCZ-noted there signing off @ 7:29, followed by WDDT @ 7:30. On 11/9, KXJK-950 dominated channel to 5:57 s/off, call definitely KXJK, not KWKJ as had been previously reported. A Texan on 940 to 6:14 s/off w/1,000w must have been KATQ. WHOS-800 heard w/s/off in progress 11/11 @ 5:44; WSHO then dominated to 5:58 s/off, and any chance of further logs on this channel gone then, w/PJB's s/on. 11/13 - WSLI dominated 930 @ 5:55 with Radio 93 million-dollar mx. WMOB-840 heard to s/off 5pm u/WLAS, but poor. On 12/3, routine three for collection taken in regular daytimers WDXN-540 KSD-550 & WKYX-570. I worked 1590 @ SSS for WAIK @ 5:30 s/off, WWUN then dominant, followed by KDEX s/off @ 5:45. Incidentally, WFTN-1390 & WMIX-940 December s/off's are 5:45, 15 minutes beyond the Wesolowski SRS/SSS maps. WMIX license matches the maps in 22 of 24 cases - good job - and thanks to Don Erickson, I've replaced my lost maps. I've decided (for various reasons) to join the non-verifiers, and get my hobby kicks from logging, taping, & maybe an occasional Club report. Best. (Welcome back, John! Mu e often, eh? -ERC)

DAVID KABLE - 29247 Waldensa - Wickliffe, Ohio - 44092

The last few nights I've noticed how choppy 740 is, unlike usual CBL-740 in crystal-clear, so on 12/4 @ 8:25pm there was a severe squeal on that frequency, so I tuned it in, & about 738, there is a C ban! I wasn't sure at first, but 8:30 rolled around & I heard the same ghostly ID that CMQ gives! Do they know they are off frequency, or is it trying to jam 740? The clear channels are getting jammed up. I am only 225 miles NE of Cincinnati, yet I can hear hets u/700, & for a few seconds it sounded like a graveyard! Does everyone like Cleveland's new WWWE (old WKYC-1100?) They ID as "3W-3". I like the old calls better! If CKLW had

PJB's power, their slogan "The Big Night" wouldn't be questioned! At least 640 is worse than 800 - at least from here! This is it for a quick Muse, so keep tuning!

TIM KERFOO! - 34 Cross Street - Weston, Ontario - M9H - 2B9

Please note my new postal code. Ottawa is making another attempt at postal zones: It looks like they mean business this time, hi. There is not much DX to report in the way of new catches, but CX have been favourable. 11/16 - WHVL-1600, 5:29pm s/off, and I got a good report on 11/22. MM 11/20 - Good E/W reception. CFAM-950 1:06-1:25am, only interference was from WBBF. This MM also revealed that the S-120 can really perform well under such conditions (actually my set is a Sears model 11729 but it amounts to an S-120 with an S-meter). CFAC-960 was in easily topping channel, level with WBBF-950, but was unnn here. KOA-850 had tremendous signal, but was unnn also. What was the station on 1530 w/c/w mx u/WCKY's OC around 2:15am? It was weak and did not stay in for long. 11/26 - I did not try for WJVA-1580 as was unnn. That was actually one of my first semi-decent DX catches, back in '53. MM 11/27 - ET on 1310 beginning @ 1am with Bob Dylan LP. I think they said WORC. 73.

JEFF FALCONER - Box 63 - Clinton, Ontario

Hi! DX lately has been wonderful and is still picking up. Here's what's happening in the way of DX: 11/26 - At 5:20pm EDT (EDT? -ERC) I heard a weak ID from WHYZ-1070. Also KBCA-830 @ 5:28pm w/WCCO, fair signal. On 11/28, WCBP-1150 w/ID @ 5:25pm in WSLR/CKLH mess. 11/30 saw WJMS-590 @ 5:13pm fair w/WX, & WKTY-580 @ 5:24pm w/CKWW. I heard WKBA-1550 s/off w/CBE 11/29 @ 5:14pm. I found CX in afternoon of 12/2 strange. There were several stations in the Wis.-Ill. area sounding like. As soon as I heard an ID of WTTN-1530 C noon, I knew CX were good. At 2:14pm, WFTU-1600 w/spot for a supermarket in Muskegon along w/WNEU. At 2:35pm I was surprised to hear WMLR-1550 o/CBE/WSHN w/spot for a store in Burlington. At 3pm WHCM-1550 IDed completely in the clear. WMPP-1470 w/ID @ 3:17, o/WOHO. I finally got ID from WFLI-1100 u/WWE (e -WKYC) @ 4:12pm. At 4:59, WFTL-1440 w/beautiful signals w/HBC Monitor. At 5:05pm WAIK-1510 in the clear w/spot for Waukesha State Bank. That was some of the best daytime DX I've done in a long time. 12/4, at 5:15pm, WMAX-1480 s/off fair w/HBC & @ 5:25 KWAY-1470 w/c/w w/WOHO. Recent veries: v/q - WISN WAMY WCAC WMC WLOR & CJIC. v/1 - WJVA WANB WEDO KOILM WTSO WSML WBEQ. Until next time, 73s & best of DX. Do you know anything about the New Member Kit? I've been a member almost a year & haven't received it yet.

CHRIS HANSEN - 1312 B Carman - Columbia U. - New York, N. Y. - 10027

Greetings to the membership - especially to the silent majority who do not Muse - let's hear from you! I would like to add a PS to my last Musing about carrier current college stations. I have been talking to the CE of WKCR-590 here at Columbia, and there are some very strange things which happen when you let electrical wizzards loose on equipment. Once in a while a tinkerer will, whether on purpose or not is impossible to prove, increase the power of the KR. The CE says the last time that happened he got a report from Syracuse! Perhaps someone, either in Upper Manhattan or in Newark across the Hudson, would listen for WKCR; they would be interested in receiving reports, unlikely as it may be that they will be received. The address is: CE, WKCR-AM - Ferris Booth Hall, Columbia University; N.Y. N.Y. 10027. They broadcast 5pm to 2am EST. This station is very important to Columbia since the FM outlet is broadcast downtown, and the GM Building blocks any signal from being received on campus! Great planning. I have gotten a verie from CHML-900. I am fooling around with assorted loops to increase my reception here in a cinder block building. I hope none of you is in a cinder block building. It is very frustrating. If anyone has any suggestions for improving reception, please write. Thanks a lot, & 73s & best DX.

ROBERT M. GRUBBS - 3908 Cheru Avenue - Decatur, Georgia - 30034

Just a note to let you know I'm still alive; it's the DXing that's dead. With a growing family, job, & poor health I can't seem to find any time. I note the Atlanta Flames (not Falcons) hockey outlet is the 11/25 DX NEWS was unknown. It is WGST-920. 73s. (Sorry you're not feeling your best, Bob, but we all hope it'll be very soon that you will be!) -ERC

JIM HAYES - 9 Henry Street - Wilkes-Barre, Pennsylvania -- 18702

11/24 - A great day for daytime DX. 12:40pm, WKBW-1520 N.Y. very strong at times. WTOP-1500 D.C. fair @ 12:44. 12:50, WBRW-1170 fair, WKBW local-like @ 3:30. 4, WKCY-1300, Harrisonburg, Va. w/c/w. 4:05, WPVA-1290, Petersburg, Va. w/c/w. 4:45, WMCR-1500, Oneida, N.Y. weak on s/off. 11:45pm, strong hets on 780 1040 & 1160. 11/29- 4:58pm, WYAL-1280 N.C. on s/off. 11:10pm, UnID-760 u/WJR in SS giving time every minute w/a device that ticks off seconds like WWV, faded @ 11:22. A real mystery! Conversation was carried on through minute, unlike WWV. (That's "The Cuban Minute Man", Jim - AN-NSP -ERC) 11:33pm, strong het against 740. 12/2- WLEF-1420 Ga. @ 4:40 w/c/w, det for verie. 12/3- inter-like CX are back when 540 becomes active. 4:28pm, WLIX-540 N.Y. 4:33, WPIK-730 Va. in strong. 5:04, WBSO-1550 S.C., not heard since last December, also a very cordial verifier. 5:22, WSRF-1580 Fla. very weak. 12/4- 4:52pm, WEEP-1320 Richmond w/c/w in strong. 5, WABQ-1540 Cleveland heard on s/off. I was looking for WRGM-1540, but no luck yet. I received my Night Pattern Book and it really explains a lot of mysteries. Maybe I have some kind of complex but it seems that most stations have their nulls toward the Wilkes-Barre/Scranton area. I hope to get a Day Pattern Book when that comes out.

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

From 10/24 to 12/11 reception reports have gone to KTOM-1380, Salinas, Cal. for their morning program from 9:48 to 10:05am EST 11/18; to KRKT-990, Albany, Ore. for ETs from 3:56 to 5am on 12/1, and to 4QD-1550 Emerald, Qsld. Australia, for programs heard from 4:30 to 6:05am MM 12/11. Verifications have been received from KFQD-750 Anchorage, KWSR-810, Rifle, Colo., KHAI-1090 Honolulu for f/up of 6/12 reception; from KXOW-1420 Hot Springs, Ark., also a f/u for 6/21 ET. Since 9/17 on my Drake SPR-4 I have heard 462 stations ID. This indicates a good RX, to me. 4QD is my farthest one. My weakest one is a Low Power Relay Transmitter (LPRR) on 540. At s/off CBU is mentioned. Is this CEKQ, Ucuelet, B. C. or the new one in Coal Harbour, B.C.? Very weak, u/KNCE/HJKA. The other new one here is KBES-1540, Bellevue, Wash., AN-SPU with young lady announcer 12/11. Best wishes for a Happy Holiday Season to all in the NRC.

Republic

Cesar F. Objio - Calle 34, Casa #30, Cristo Rey, Zona 5, Santo Domingo, Dominican  
I have just received my copy of Issue #6, 11/25. I also received a copy of Issue #32, 9/23/72, courteously sent by HQ! Thank you, gentlemen! I had not received that copy. This Musing is only to make a correction to Ernie Cooper about my address. Please see as it is written above, it is Cristo REY, not BAY, as he wrote in my last Musing. Rey means King, and B.y means Bahia. Please make this correction as I don't want my mail from friends to get lost. C U later. (Sorry Cesar - my mistake! The eyes are getting OLDER & OLDER! -ERC)

Ernest R. Cooper - 438 East 21 Street - Carrier Route 56 - Brooklyn, N.Y. 11226

Nice v/1-SS from YND-675. Here we go, for another week's DX, all wrapped up in MM 12/11. Unn WINA-1420 TEST on, but only about even w/WBSM & o/WHK. No sign of WSUF-1580 @ 1:45am rise-time. By golly, Stan Morss is right - as usual. There ARE two FFCs ANing on 1230 MMs! I haven't IDed either one yet, but I have separate logs on them - one has a basso-voiced announcer. I hit 1090 @ 2:40, and found WMM already on, and I hit 1090 again @ 4:35am, and found them still on! I would hope they were heard coast-to-coast, S 7-8 here with quite a fade, for a welcome new logging. R. Punto Fijo-940, YVNN, as usual the two weeks before Christmas, s/on by 3am, and in the clear except for sloopover of WPAT-930. I didn't get a log this week - but I gotta do it 12/18 or wait another year, hi. I did take a log on another early Venezuela Advent s/on, in La Voz del Tachira. I had them 4:08-4:32 with no sign of XEOY, but mucho sloopover from WJES-1010. Other channels noted with early s/ons from Venezuela were 1080-1110-1020-740. I think the 1110 is R.dio Mia, and not R. Carupano, the one usually heard evenings. I'll let you know next Musing - that is, if I find out, hi. So, we'll C USE in two weeks, and I hope it is a very wonderful Holiday Season for everybody, DX-wise and otherwise. Please resurrect this column from the abyss in which it has fallen by supporting our efforts and desires to make more of an effort, by MUSING!

## LIMITATIONS IN THE USE OF THE A INDEX FOR MEDIUM WAVE DX PURPOSES - PART I

\*Gordon P. Nelson

The fact that high latitude MW signals become weaker during periods of geomagnetic/auroral disturbance has been known for many years' although a detailed explanation had to await recent research insights.<sup>2,3</sup>

The state of the Earth's magnetic field - quiet or disturbed - has been measured on a regular basis at magnetic observatories throughout the world for centuries. Because of this long history, a bewildering variety of ways to quantify the disturbance in the magnetic field have been devised and used. There's the K index, the A index, the C index, the K index, the Q index, and many more... Some measure the degree of disturbance on an hourly basis, some refer to 3-hour periods, and some of these indices give the average magnetic disturbance over an entire day; some refer to the disturbance as measured at one particular site while others combine data from many sites to produce a world-wide disturbance index. Each type of magnetic index has its own advantages and disadvantages depending upon the application; the plethora of indices in use or proposed suggests just how difficult it is to measure something as complex as the state of the Earth's magnetic field with a single number!<sup>4</sup>

Because of past articles here in DX NEWS, the indices used by most DX'ers to predict high latitude MW conditions and to anticipate the onset of "auroral conditions" featuring enhanced reception to the south are the A<sub>BO</sub> value transmitted over WWV at 18 minutes past the hour and the A<sub>FR</sub> value given here in DX NEWS almost every issue. These are the easiest-to-obtain indices but not necessarily the best for the MW DX'er; over the past decade the author has experienced fine Transatlantic reception on days with A<sub>FR</sub> values in excess of 50 - not because of any particular odd quirk of propagation, necessarily, but due to the oddity of the A index described in this article...

The A index is a daily index which measures the average geomagnetic disturbance for the GMT day (beginning at 7:00 PM EST). Consider now the following hypothetical but realistic situation. The geomagnetic field has been quiet for several consecutive days and absorption in the auroral oval is low. During the evening hours here on the East Coast (after 1900 EST) the TA's are booming in and reception is fine from West Africa to Sweden and Norway. At noon (EST) the next day we're suddenly hit with a violent geomagnetic/auroral disturbance and the band is wiped out totally for several days...

Since the A index is averaged over the entire GMT day, the A for that day will be quite high due to the disturbance which began late in the (GMT) day; the fact that high latitude conditions were excellent before the onset of the disturbance will be masked by the storm-induced elevation of the A index. Unfortunately the A index is quite sensitive to this sort of effect; even a brief and inconsequential period of upset in the geomagnetic field during the course of a day will tend to elevate the A index in spite of the fact that the field may have been quiet during the first 23 hours of the day...

Happily there is a simple way around this artifactual problem for those DX'ers seriously interested in auroral research. The technique to be described will permit the MW DX'er to obtain an equivalent A index for any 3-hour time period or collection of 3-hour periods. With this technique the MW DX'er would have been able to compute

the equivalent A index for the initial fraction of the GMT day preceding the onset of the disturbance at noon. This will yield a much lower value of A consistent with the quiet conditions during the preceding evening and effectively eliminate the irrelevant elevation in the A value due to the storm. Of all the magnetic indices the A is especially designed to permit meaningful comparisons of geomagnetic/auroral disturbances between reception periods of differing duration.

DEFINITION. The equivalent A index,  $A_E$ , for any 3 hour period or collection of periods,  $\{T_A\}$ , has the same value as would the regular daily A index if the  $\{T_A\}$  geomagnetic disturbance level during  $\{T_A\}$  remained the same for the full 24 hour period.

To get the equivalent  $A_E$  we make use of the 3-hour K indices supplied by the Fredericksburg magnetic observatory. Each of the eight 3-hour periods of the GMT day has a K index value which is a measure of the geomagnetic activity during that 3-hour time block. A typical sequence of K values for a particular GMT day might be 1-1-0-1-0-5-8-9; the first number is the K value for the 0000-0300 period, the second digit is the next block (0300-0600), etc. K values range from 0 for a very quiet and undisturbed 3-hour period to 9 for a major disturbance. The following table is used to convert from a batch of K indices to a 3-hour index called the  $A_K$  and then to the equivalent A index, the  $A_E$ .

3-hour K index	0	1	2	3	4	5	6	7	8	9
$A_K$ value	0	3	7	15	27	48	80	140	240	400

For the K value in each 3-hour time period simply look up the corresponding  $A_K$  value, add them all up, and divide the total by the number of 3-hour blocks; this will give the equivalent A,  $A_E$ . Fredericksburg does this for the entire 8 K values for the GMT day and the resulting equivalent A index is the familiar  $A_{FR}$  index.

Consider for example our hypothetical day which was very quiet until a major storm hit at noon (EST); a typical Fredericksburg K set would be 1-1-0-1-0-5-8-9. The disturbance begins to show in the K of 5 for the 1500-1800 GMT (= 1000-1500 EST) time block. The  $A_{FR}$  for the entire day, including the storm onset, would be:

Time Block	K	$A_K$	
0000-0300	1	3	
0300-0600	1	3	
0600-0900	0	0	
0900-1200	1	3	
1200-1500	0	0	
1500-1800	5	48	
1800-2100	8	240	
2100-2400	9	400	
Total:		697	$697 \div 8 \text{ blocks} = A_{FR} = 87$

The equivalent index for the first half of the GMT day when things were quiet and the TA receptions possible would be calculated in a similar fashion:

$$3 + 3 + 0 + 3 = 9 \quad \text{and} \quad 9 \div 4 = 2$$

which is the equivalent index, the  $A_E$  for the first half of the day before the storm.

Thus instead of the seemingly remarkable occurrence of TA reception on a day with an  $A_{FR}$  of 87, we find that the A index for the day actually would have been only 2 if the storm had not begun at noon and conditions had remained as quiet as they were during the first part of the day.

This simple example shows one of the several potential pitfalls awaiting the DX researcher who simply seeks a correlation between published A indices and past MW receptions on particular days. Without a thorough understanding of the origins and properties of the various magnetic indices it's quite easy to draw misleading conclusions about the degree of correlation between high latitude reception and the state of the auroral oval.

#### REFERENCES

- "A radio transmission anomaly; cooperative observations between the United States and Argentina", J.H. Dellinger & A.T. Cosentino, Proceedings of the IRE, October, 1940.
- "Geomagnetic Measurements during the past 4-1/2 years", K.G. Scrimgeour, DX NEWS, 1/24/70.
- "MW signal paths, parts I-IV", G.P. Nelson, DX NEWS, 3/8/69, 2/28/70, 3/21/70, 4/25/70.
- "Geomagnetism", Chapman & Bartels, Oxford University Press, 1962.
- The Fredericksburg K indices are published weekly in the Preliminary Report and Forecast of Solar Geophysical Data; available free upon request from the Space Environment Services Center, Space Environment Laboratory, ERL, NOAA, Boulder, Co. 80302.

#### NONTRIVIAL FILLER FROM HQ...

Father Jack Pejza (one of the NRC's dozen-odd physicists) has questioned one of the equations in GPN's recent Daytime DX article - the equation for the maximum skip distance in Footnote #22. The equations is correct; the seeming problem is due to the fact that we expressed the inverse cosine function in radian degrees instead of degrees of arc. All of these problems in ionospheric geometry are simplified by the use of radian angular measurement instead of the more familiar "360 degree" unit... One radian degree is equal to  $360/(2\pi)$  conventional degrees; in the future we'll try to be more careful about making the angular units we use more explicit. \*\*\* From England comes word that NRC'er Geoff Trower has identified the Paraguayan station on 645 kHz; that's stumped our best North American experts; he's ZP19, Radio Caaguazu, 5 kw, located in Coronel Oveido. The latest WRTVH shows his nominal frequency as 640 and gives the address as Ruta Mcal Estigarribia Km6 1/2, Coronel Oviedo. That's about 72 miles SE of Asuncion way out in the boondocks... The next problem is getting a QSL past experience has shown that getting a verie from Paraguay is about as easy as extracting Martin Borman... By all means send stamps from the DX Stamp Service; half a \$10 bill might help too... (remainder upon receipt of QSL). \*\*\* Bill Bailey point out that the WWV  $A_{BO}$  index is transmitted at about 18 minutes and 20 seconds past the hour and not at 19 minutes as we have recently stated numerous times. That may well explain why we usually miss the index when we've tuned in at 19 minutes, hi!

Deadlines for IDXD reporters: **Fridays, 12/22, 12/29, 1/5, 1/12.**  
 Last minute tips by phone to: 201-838-5721 (no collect calls, pse)  
 Reports:

- 540 Venezuela. Rosario, (Edo. Zulia), "Radio Perija" now on this new freq. and AN w/native mx. Way over "Horizonte" (HJKA-ed) in Miami. (Ronald F. Schatz, Miami, FL) ... (NRC LA Log lists YVOV, 5 kw., location Machiques-pt)
- 600 Colombia. Barranquilla, HJHJ, "R. Libertad" has been begging listeners for reception reports on its new 50-kw. signal promising a "gallardete" (triangular pennant-rfs) for the trouble. (Schatz, FL; Collins R-388/URR, LSCA)
- 635 N. Korea. weak 1120 12/9, not //655 (Pete Taylor, Calif.) (Ohongjin listed per IRCA Foreign Log-pt)
- 655 N. Korea. Pyongyang excellent 1005 12/9; still the most consistent and durable. No sign of the Russian up through 1115. (Pete Taylor, Mill Valley, California)
- \*\*660.4 Unid. No audio hrd, but something is clamoring around here at various times 12/9 1000-1100. (Pete Taylor, CA) (noted here also, but no clues as to identity-pt)
- 840 Unid. IA O/WHAS 1005 12/9 but not for long. Sounded like a Brazilian. (Pete Taylor, CA). (HWBI often rptd here, Pete; PRH9 a possibility, though.-pt)
- 844 Gilbert & Ellice Islands. Tarawa OK at 0930 12/9, but experiences deep and erratic fades - not even a BFO at times. (Pete Taylor, CA).
- 877 N. Korea. Wonsan, 3 low pips, and one high one at 1000 time signal. Not //655. Very loud, 2nd best to 655; unaffected by KRVN OC 1025 12/9. (Pete Taylor, CA)
- 880 Unid. IA w/old time piano 1023 12/9. KRVN OC on 1025 so I lost perspective; could have gone into IA mx which was still heard w/WCBS after KRVN OC. (Pete Taylor, CA). (sounds like widely-hrd new Cuban, GMAF, Pinar del Rio, according to RFS' report in DXN, 12/7-pt)
- 1035 N. Korea. Fair to good 1025 12/9 not //655 or 877. (Taylor, CA)
- 1210 China PRO. Sounded like anthem 1043 12/9; then man/woman talk then another soft march. Has Ryden's hum (IDXD 12/7) but this may be caused by het from other OCs. Only other audio was WCAU, and China was off about 60 Hz. Hum/rumble was always there even during audio fades. Beat against WCAU varies, so something in there is drifting. Excellent at times, and appeared to be in KK. (Pete Taylor, CA)
- 1329.3 Brazil. Belem, PA, "R. Liberal" has been in well every night so far without fail for a while before E20 0830. Strong, clear audio w/bubbly DJ, hi-pitched spots and native sambas. Good bet for a rare geographical area. (Schatz, FL) (Call listed ZYE25, 10kw., nom.1330 per NRC LA Log-pt)
- 1340 Guantanamo Bay. is still on EDST, but not the rest of Cuba; "WEE-id", as they say in Boston. (Schatz, FL). (Perhaps AST?-pt)
- 1435 Saba, Netherlands Antilles. "Voice of Saba" still noted on top of "Kelkboom" w/2-Hz het. c/d (close-down-pt) varies 0145-0200 daily, which is quite early. (Schatz, FL)
- \*\*1475 Haiti. Port-au-Prince, "La Voix du Peuple" noted AN SM 12/10, possibly for the Holiday season. Sounds like a West African-very exotic. Normal c/d is 0600. (Schatz, FL)

Please send those reports, ladies and gentlemen! Paucity of reports this week dictates brevity of section... 73, pt



Greetings again folk. Looks like a good-sized section this time. Next issue will be in two weeks as the holiday skip has materialized. Cx turned abruptly auroral again 12/10-11 after a week of good high-latitude cx. As the week progressed, the aurora got worse, A<sub>3000</sub> of 29 M1 12/18 per WWV. Yecch.

**call applications**

950 WXLN-MD	req. WOTN	1540 CP -OH	req. WIRE
1220 CP -OK	req. KKMC	1580 KB30-TX	req. KRZI

**changes**

- \*\* 530 KQ2XUB (Calif) Los Angeles Airport stns noted several months back to run by cable and radiate to cover cars on roads approaching 'port now on air per Broadcasting. (Call sign per Hauser in IRCA DXM)  
 CP is on per v/l. (Ron Musco, Windsor, Ct.)  
 CP: 1000/250 UL  
 ANT: U (ex-SH)  
 CP is on.  
 ex-WKXD

**midnight to sunrise**

- \*\* 570 WKBH-OH Noted off AN MM 12/11. Have been off several NMs in addition to reg. Tu AM SP. OC on & off 12/11 whilst working on their new antenna farm. (Jerry Starr, Youngstown, Ohio) \*\* Welcome back, Jerry - RJE
- 590 KSCJ-OD Tentative, looping NW w/ contemp. mx, vy wk, abt S3, crushed by YVLX s/on 0353 12/4 (Jim Peterba, Yardley, Pa.)  
 Copied s/on nice 0730 11/25. Cuban gone, KTBC not yet on daytime power. (Paul K. Hart, Ft. Worth, Tx.)
- 600 unID Tester noted 12/11 0051-0104 w/TT, no IDs, may have been same one noted 12/4 0125-30, who ?? (RM)
- 610 KILT-TX Hrd 0420 12/3 w/rr o/unID JRM (Richard N. Allen, Billings, Ok)  
 \*\* Welcome to DDXD, Richard - format of submission is fine-RJE
- 620 WSHN-FL Hrd 0500 12/3 w/nx u/CXCK (RNA)
- 630 CHRC-IB Strong w/WIAL mulld fighting it out w/ KXOK. -19° temp. First time hrd here 12/9 0230 (JJP)  
 U/C/PC most of time, surfaced above ard 0240 12/9, several IDs clear. (JJP)
- 690 CBP -PQ At 0602 12/5 w/FF nx u/ETRA & KEOS (RNA)  
 S/on hrd 0645 12/5 (RNA) (RNA)
- 730 CKDM-IB "The People Station" hrd 0330 11/14 w/mx, nx @ 0400, o/HJCU.  
 Presume this is the FF hrd u/CHIR 0125 12/1 (RNA)
- 740 CKLG-BC "Dolly Holiday" to 0530 12/1, then "The World Tomorrow", o/ CKDM, HJCU. (RNA)
- 740 CBX -AB 0156 12/1 w/rr o/CHIR & HJCU. (RNA)  
 S/off w/ Oh Canada & GSQ 0300 12/10 o/KCBS. Last time hrd was 8/28/61 on 101ok. (RNA) (PKH)
- 790 KSSS-CO ID copied nice @ 0103 11/27 for 1st log just after KTRH s/off  
 ) These two alone here battling it out most of AM 11/27,  
 KCEE-AZ ) strongest ever hrd here, alternating atop channel (PKH)  
 KABC-CA )  
 WLSV-NY ) Tentative on 12/11 listed f/c 0027-43 off, then OC. No audible ID, looped right direction. (Tom Sundstrom, Willingboro, NJ)



1590 WJOL-VA Noted w/ TLT 0015-0105 and still on 0305 11/27, atop everything. (BT)

### Sunset & evening

730 WJOL-VA W/ Le Casell ax, local ad, more Casell 1726, then s/off 1729: 30 12/18 (RJE)

WPAL-SC Hrd w/ coal ax, voice-over ID 1707 12/18 (RJE)

770 WEM -SD Hrd C gd level 1713 12/A w/ax, vx then ID a/WA9C (BW)

WYOM-MN Hrd ID in WEM null 1714 12/A, then into SS-type ax, weak but stable sig. (BW)

830 WBOA-SD Hrd s9+ 1728 12/A, ID after Coke ad 1730 (BW)

850 WJDE-AL W/ID 1731 12/A then ads w/BA & others. (BW)

860 WJBC-ON W/FF 2310 12/A w/XOAH (HHA)

WJED-NC Atop w/ c/w 1708 - 1715 s/off 12/18 (RJE)

900 WJNK-NE W/typs 1755 12/A, prayer 1750, vocal Lord's Prayer 1759, s/off annot 1801. Annot 0700 s/ax. (BW)

WJTH-NC U/vy loud WJAL w/ 6 or 8 30-sec. spots 1656-59, then atop w/ax, vx, ID, SID, ad 1700-04 after WJAL off 12/18 (RJE)

990 WQWV-VA Briefly up & over WJEM w/ ID 1652 12/18 (RJE)

1000 WSPF-NC SID o/u WJEM into WJEM 1704 12/11 (RJE)

WJTY-AL State ax, follo WJUV s/off 1732-3 12/11 (RJE)

WJTN-VA Popped up for ID a/WJFL 1750 12/11 (RJE)

1010 WJUN-VA Hrd w/ c/w ax, lead w/ WJMS 1725 12/11 (RJE)

1050 WJMS-WV Strong in WJUN null w/rr, several spots. Equal to WJUN at times, 1710 12/3 (JMF)

1220 WJNK-NH Hrd loud, distorted w/ ax atop channel on tape replay while trying to pull tape on WJEM. 1556 12/6. (RJE)

1250 WJAL-NC Hrd w/local ads 1635 12/13 briefly atop channel (RJE)

WJEN-PA Hrd w/ s/off up & o/ all 1642 12/13 (RJE)

1260 WJTN-VA y latest closest unhd knocked off w/ s/off annot after WJTR-1250 s/off removed atop 12/11 1630 (RJE)

====1300 WJHL-NY Copied clean ID here 1630 12/5. Sent tape, and they confirm, but can't figure why hrd 90 kHz. low. Never any such spurs on these freqs. No. Any ideas ??? I was definitely on 1300. (PGR) see if they had lotsa spurs going on, spurs are much more likely then - you could've caught a brief intermittent XE spur. -RJE

1420 WJLV-NY Finally hrd w/ jx, ax 1627 12/11 (RJE)

1440 WJLV-VA Atop w/ s/off no SSB, WJEM null 1659 12/7 100% readable (JMF)

xxx 1300 WJUB-TX Copied ID 1830 & s/off 1845 12/2, ppg, is SS. (PGR)

1460 WJLL-TX Copied s/off 1845 11/26, ID as "K-triple-L". (PGR)

1500 WJUN-VA s/off annot up atop 1755 11/23, relig. prog continued after annot to carrier out. (BW)

1530 WJHP-PA Long wanted, atop channel w/ s/off no SSB by VL ancer, plugging FM 1645 12/9 (JMF)

1540 WJNQ-ON Almost alone w/ s/off, black format 1700 12/9, another long-wanted one (JMF)

WJPL-NC Alone w/ s/off annot, by male ancer 1715 12/9 (JMF)

WJRI-IL Surprising at this level w/ o/EXEL-WJTR C s/off 1730 12/9 (JMF)

1550 WJNE-VA Atop briefly w/ Atlas Transmission spot, then c/w 1721 12/8, then WJEM took over (JMF)

1570 WJUN-IL S/off a minute or two after others at that time w/ EM proms 1717 12/5 (JMF)

1580 WJRT-ZE Copied nice s/off 1845 11/23 w/ ppg in 30 (PGR)

WJIA-MI W/ID 1855 11/28 then into ax, even w/ and above WJEM (BW)

WJUP-AZ W/ID then ax 1855 11/28 broad WJIA ID (BW)

Please remember to list your equipment for use here in DXND from time to time as an additional feature....

### F/C's

NOVEMBER: 4th SA: WJED-1370, WJRS-1340 ; 2nd TH: WJOL-940

DECEMBER: 1st SA: WJEL-790; 1st SU: WJII-1330; 1st TH: WJSL-900 ( PGR notes that this is not monthly as not hrd many times, may be annual or semi-annual)

2nd SA: WJUT-1500; 2nd F: WJIT-1410; 3rd SA: WJNK-1600, WJUN-1470;

NEW: WJCS-1400-TH 3rd Sat AM 0000-0015 w/TT per sta, via hscoc

### ADDITIONAL CHANGES:

+ 950 WJRW-ID ax-ZATH  
+ 1390 WJOC-ON SSB: s/off 0000 daily  
+ 1500 WJAY-NC CP: 5000/1000 WJ

Domestic log; copy shipped to HQ 12/15 additional copy sent w/ this column, so sometime about February, a new log should be forthcoming. Once again, we request all contributors to DXND to edit out receptions of class 1-A clears, locals, semi-locals and regular receptions from your submissions unless items noted are data changes. Only exception to this is f/cs, which we want all of, whether or not they're hrd every month. UnIDs are welcome too, but only if they have email program details to be identified by someone else. All submissions not conforming to the above WILL BE EDITED here, especially when there's a large column. Hoping that the New Year will be another good DX year for all, we'll say

73's until '73 1

RJE

Attention serious Beverage antenna freaks! If you've set up a Beverage or are planning to do so in the near future please read on... There's at least a 50/50 chance that your far end termination resistor is doing more harm than good. While conducting experiments on the HQ 6600' Beverage antenna in New Hampshire BGK and GPN have developed a simple technique to determine just how well a Beverage antenna has been terminated. If you're not completely satisfied with the back lobe suppression of your terminated Beverage antenna or want to know just how efficient your Beverage termination is, drop a note to HQ. We've developed both a simple empirical technique and the full analytical justification to determine just how well a Beverage is terminated and our findings will appear in DX NEWS within a few weeks. Since several groups are seriously concentrating on Transauroral receptions with Northward - directed Beverages during the winter solstice (12/21) period, we'll be happy to send them an advance copy of the article so they might take advantage of the technique immediately. Just drop a note to GPN at HQ.

# DOMESTIC X IGEST



EDITOR:  
P.J. EDWARDS  
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Greetings again, folk. Due to trying to avoid the vagaries of holiday mail service, this column goes out on Tuesday 12/12/72. Next column will likewise be run through on Tuesday. This one also contains a first for this season: Your editor has finally DX'ed Domestically....

## SUNSET & EVENING

- 540 KMMT-LA Long c&w schtick then stock rpt. to 1745 s/off 12/6 (Page Taylor, Butler, N.J.) ( Also RJE)
- 560 GPOB-ON Hrd w/rr, several local spots & ID u/WFIL whilest looking in vain for long-sought WCKL. (RJE)
- 620 WBAZ-IE Strong in a heretofore-nonexistent WVNJ null w/ State sx rpt 1721-30 12/8. Also an unID MoR u/both. (RJE)
- 690 WZAP-VA Hrd atop channel w/ID 1700 in passing while searching TAs on 692, 12/8 (RJE)
- 730 WPAL-SC Potent, alone 11/24 w/ NN format, TC, ID 1713. (PT)
- 790 WLSV-NY Hrd atop channel w/ s/off SSB 12/9 1645. (RJE)
- 800 WJAT-GA Ad for Swainsboro Bank & local nx, 1717 11/29 (PT)
- 810 WQIZ-SC Comm. for Harley's Radio & TV in Harleyville 1710 11/24 follo by stn promo for Honck's Corner appearances. (PT)
- 850 KCMO-MO Fair o/u WGY 12/4 1740 (Mike Collins, Bridgeport, Ct.)
- 850 WIDE-AL Vy strong w/ c&w 12/1 1645 to 1745 pwr cut. (MC)
- 900 WIVR-IN Up just for s/off and FM promo 12/1 1730 (MC)
- 900 WERY-NY Hrd 12/5 1627 w/ s/off (RJE)
- 930 WTHD-DE S/off only noted thru mess 1645 12/6 ( PT, RJE)
- 930 WCNB-PA Hrd s/off 1626 12/5, but 1643 12/6. What goes ??? (RJE)
- 930 WIZR-NY Finally hrd w/ s/off 1627 12/4. One of my closest unheards (RJE)
- 930 WJCC-NC Hrdw/ID o/u WBEN,CFBC w/ WPAT looped 1710 12/6 (RJE)
- 930 WZZL-VA Hrd w/ c&w, local ad u/WPAT 1655 12/7 (RJE)
- 950 WGIT-ON SID atop channel (i.e. CBM, hi) briefly 1650 12/7 (RJE)
- 950 WESA-PA Hrd w/ s/off follo car comm'l 1655-58 12/6 (RJE)
- 990 WHTS-NC Hrd w/ local ads, ID 1653 12/5 (RJE)
- 990 WART-VA Loud w/ IDs, promo, s/off anct 1657 12/5 o/WEEB s/off (RJE)
- 1000 WHTY-AL Nx, wx, temp. 1734 11/29 (PT)
- 1060 WGOI-SC ID follo sx 1724 11/24 in mess (PT)
- 1060 WJTH-IA Bank ad 1610 12/5 vy strong (PT) Newie hrd w/ ad for Harmony Hut in Framingham 1611, then s/off 1615 12/5 (RJE)
- 1060 WDRR-NC 12/5 1635 w/ local ad. Appears to be NN format (PT)
- 1110 WGRB-IA Hrd w/ hard-rock, ID 1607 12/6 for one of closer unheards.(RJE)
- 1130 WCHX-NC W/ local HS sx 1650 atop WNEW 12/5 (PT)
- 1150 WFLA-GA 11/29 wx fest 1728 follo by FM promo. (PT)
- 1150 WJEC-DE Promo, follo by hard rock, amazingly atop channel 1653 11/26(PT)
- 1150 WJEW-DE ex-BHM. Hrd w/ ID, local ad 1548 12/5 (RJE)
- 1220 WJTB-DE Hrd w/ s/off w/ Perry Como's "Lord's Prayer" (a la WFTJ-1410) as "anthem" 1558 12/5 (RJE)
- 1270 WTHD-VA Hrd w/ s/off, promo for FM 104, u/WHL 1643 12/4 (RJE)
- 1270 WJOK-DE Hrd w/ local ad and promo 1649 12/4 (RJE)
- 1280 WYAL-NC Hrd 11/29 1700 s/off strong bu pulsating signal. (Jim Hayes, Wilkes-Barre, Pa. ) \*\* Welcome to DDXD, Jim - RJE
- 1290 WPIQ-SC SC state nx alone on channel 1800 11/29 (PT)

- 1420 C...-PQ (Plessisville) MoR & FF vy strong 1710 w/ no ID 11/27, but really couldn't be anything else. (PT)
- WCEB-PA Hrd w/ c&w, ID 1631 12/7 u/o WCOJ. (RJE)
- WJUN-VA Hrd w/ c&w o/u WCOJ, o/WCED 1638 12/7 (RJE)
- WLEB-IA Hrd 12/2 1615-1700. Weak at first, but gained in intensity until vy good level 1644. Had c&w format. (JH)
- 1510 WPUT-NY Finally hrd wk u/WRAN then up after WRAN Patt./Pwr. chg. w/ s/off anct's & SSB 1629-31. Another closest unhrd.(RJE)
- 1520 WJMG-SC Hrd 11/24 1705 w/SC state nx alone on channel (PT)
- 1540 WJON-ND Strong but w/ some fades 11/15 when hrd wk ;658 s/off after c&w pmg. (JH)
- 1560 WCCP-SC } Simultaneous s/off 11/24 1800 = to WJXR. (PT)
- WYAI-FL }
- 1580 KTOP-AZ Local quality alone w/ c&w 1915 11/29 w/ comm'ls for Az. land buys. (PT)
- 1580 WBSA-IL Hrd w/ sx, ad, s/off 1745 12/4 (RJE) (RJE)
- 1590 WHPA-PA My closest unheard w/ s/off u/WEHH s/off, WJLM nx 1629.30 12/6

## SUNRISE & DAYTIME

- 1140 CJTR-PQ Hrd 1310 12/5 s9 w/ FF talk, MoR (PT)
  - 1060 CJHR-PQ Hrd w/ FF rr 1315 12/5 (PT)
- ### MIDNIGHT TO SUNRISE
- 570 WFAA-TX Wx ending 0240 follo by up-tempo MoR 12/4 (PT)
  - 690 CBU-BC Potent w/ Halifax Symphony Orchestra Concert follo by ID 0130 12/9. Taped w/ Cuban on reduced pwr. (PT)
  - 810 KGO -CA Tentatively the one w/tele-talk u/KCMO w/WJY off 0050-0115 12/4. Poor sigs, but gotta be him. (Wes Boyd, Youngstown, Ohio)
  - 850 WJAC-PA Seems to s/off SSB 0205 daily, only WKIX,WJW,KOA AN here/(Boyd)
  - 860 KONO-TX Great sigs well o/XEMO AN 11/30 (Boyd)
  - 910 WORD-SC Killing freq. in KGLC null; poor WRCH there, no WRNL-WSBA etc. 12/2 (Boyd)
  - 950 WPEN-PA Noted s/off 0158 12/4 giving s/on time as 0500.... (Boyd)
  - WBBF-NY Fairly good & all alone MM 12/4 0414 buried by unID TT 0416 (MC)
  - 1150 WJRD-AL ETing 12/4 w/TT-rr-OC 0240-0305+, few IDs (Boyd)
  - 1170 WWVA-WV Off??? 12/3 Su AM 0500-30+ w/ only KV00,KSTT & unID SS there
  - 1220 WGAR-OH Off beyond 0400 12/4, Also off 11/30 past 0330 (Boyd)
  - CKCW-NB Poor u/CHSC c&w, but is AN now. Hrd 0240-0335+ 11/30. (Boyd)
  - 1270 WSPR-MA Fair on 12/4 TEST o/u KFJZ w/ IDs every 10 mins. (Boyd)
  - 1460 WPON-IL Noted still AN c&w 12/2-3 (Boyd)
  - 1530 KPCR-IO On ET-TT & C&W 0320-30+ 12/4 well o/KFBK (Boyd)
  - 1550 WIRV-KY Vy good 12/2 0215-0300 w/ IDs, oldies in ET (MC)
  - 1560 WDXR-KY Hrd well 0445-0200 s/off 11/26. XEVIP either off or inaudible.
  - 1580 WSUF-NY DX TEST arranged by me was apparently not on. Checked 0050-0105 12/11, but nothing of interest there - starting off this CPC season just like most of last season was - a series of no-shows... (RJE)
  - 1100 KLOU-LA Now s/off 0300 MMs noted 12/4, goodbye KDAY. (Boyd)

Some f/c here, but will hold them for next issue. Changes as follow:

- 600 WICC-CT Best times for SPs Sun AMs 0300-0600 or 0400-0500 (MC)
- + 910 CFCR-BC ex-CFJC (IRCA)

73's  
RJE

Thassit for now - this may be included w/ another IDXD in one issue as the business of a Christmas skip is still nebulous, and better 2 in 1 issue than none in one, hi.