



# DX News



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"DX NEWS gets better looking every issue! It's great for active DX'ers and those of us who keep up a keen interest in what others are doing DX-wise. Long live the NRC!" (John Daller, N. Y.)

## IN THIS ISSUE:

The BCB DXer's Beverage - Gordon Nelson  
DX'ing from Florida - Ron F. Schatz  
Verification Signers - Ernie Cooper

## MORE NEW NRC MEMBERS!

\*Rick Matthew, 2972 W. 2nd Ave., Vancouver, Canada.  
\*Larry Southend, 6900 Juniper Avenue, Riverside, Ca. 92506

Welcome to the NRC, gentlemen, your new member kits are already in the mail and you should be receiving them shortly. We look forward to reading your contributions often!

## RENEWALS...

Brauner... Prather... Smedley... Mehan... Vitti... F. Johnson...  
Feidt... Daller... Martens... Ryden...

## PUBLISHING SCHEDULE...

Copy for the next issue, Number 8, should be here in Watertown on or before 11/14 in keeping with our regular scheduled sequence. **The next week is a skip for the Thanksgiving holidays; copy deadline for number 9 is 11/28.**

## PRINTING QUALITY...

After a discouraging start, the printing quality of DX NEWS has continued to improve under our new contract to the point where we're now producing some of the best issues ever. More improvements are to be forthcoming

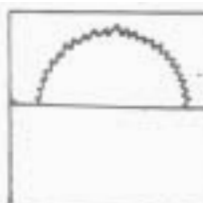
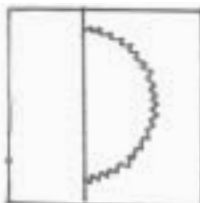
in the next few issues, says the printer, including photographs and color on inside pages. Foxy's new IBM typewriter is reproducing very nicely and both ERC and RJE have obviously stocked up on new ribbons...

### NRC LOGS...

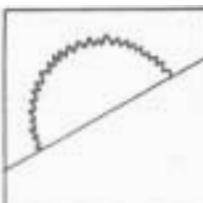
The local U.P.S. strike is now finally over and the P.O. says that the NRC Logs clogged up in South Postal will probably be arriving "fairly soon" (where have we heard that before?). According to our records, all of our members who reported to HQ that their Logs had not arrived have been sent instructions on how to go about obtaining a replacement copy. To date we've sent out about 35 replacements and they've all gone through without delay. When the original does arrive, PLEASE send it back and drop us a note telling us when it arrived (and the postmark date, if legible). We are now getting very low on Logs what with three dozen off on a world tour - if you haven't ordered one yet you may well miss out. We are holding off the final decision about a second printing until we get the NRC Latin American Log out of the way...

### PUBLICATION COMMITTEE CREDITS...

Recent attendees at HQ publication sessions have been: Marc DeLorenzo, Tom Holmes, Randy Kane, Mark Katz, Bob Karchevski, Ruth Nelson, Big George Kelley, Chuck and Jackie Rossier. Thanks also to non-NRCers Keith McClelland and Don Hughes for helping out with publication, and to Russ Edmunds and Steve Bohac who missed publication but still pitched in to help with sundry HQ tasks last week. Along with the Editors, these are the people whose efforts make the NRC and DX NEWS possible every week!



THE FURTHER  
ADVENTURES  
HARRIET  
"PARIS."



### SPECIALS

Fri. Nov. 27 W C R V 1580 Washington, New Jersey 1,000w. 12:01 - 12:30am.  
This TEST, an NRC/IRCA dual TEST, will feature a tape prepared by NRCer DAN MYERS of Toledo. It includes Marches, cycle tones, IDs, plus code words yet to be determined. Send your reports to Mr. William Geitzenauer, Chief Engineer, Radio Station WCRV, Route 31N - Washington, New Jersey, 07882. WCRV is non-directional and should get out well in the EST and CST zone. Be sure to tune for this TEST, and if you don't hear it, please don't forget that little nicety, a thank-you card, to Mr. Geitzenauer. Info from DAN MYERS.

Mon. Dec. 21 W I Z S 1450 Henderson, North Carolina, 250w. 2:30 - 3:30am.

### WJAG-780's TEST LAST JANUARY WAS A SUCCESS!

Another great dx catch for 53 listeners in 25 states and four provinces (33 East of Norfolk and 20 West of Norfolk, Neb.). Five reports from California, four from both Ohio & Missouri. Richard Wood was the furthest, while in Hawaii. WJAG thanks those who phoned during the 2½ hour Pop TEST and sent tapes. WBEM was asked to withhold testing till 3:30am, but didn't. I got a v/q for asking them to stay silent! There was interference also from YVOD, Ecos Del Torbes, in San Cristobal, Venezuela. -ERNIE WESOLOWSKI: OMAHA, NEBRASKA

"AM" SITUATION  
OFF: 780 K C R L MMs, 3-8am EST ON: 560 K B L U SPW

### HEARD SINCE LAST ISSUE

1000 K O T D Plattsmouth, Nebraska 1590 K U U U Ex-KSND  
Ernie Wesolowski says KOTD-1000 opened RS on 10/26 with only 250w, directional, protecting only KXRB, Sioux Falls. Programming begins at sunrise w/c/w and polka music. Address is "Broadcast Hill", Plattsmouth, Neb. 68048.

Ernie also adds, "MUSE WANTED FOR KRNV-880, Lexington, Nebraska."  
Those who have a verie for KRNV-880 are lucky. They were testing last Fall with 50kw, with four towers located six miles N of Holdrege, Neb. Money fell short; the XR was repossessed. No plans to continue. They want to sell out for 50¢ on the dollar. It's a Class 1-B station.

DAVE COPELAND phones that he has just received a fine v/1 in SS from XEDD-1560 for their TEST of 10/5/70! Congrats, Dave - nice catch!

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

Veries in from WKLY-1350 and WTRQ-1560, both nice friendly v/ls. WKLY will dedicate a half-hour of their RS to NRC soon - watch this page for details. Only DX morning was MM 11/3, and started w/someone on 1090 TTING up & down the scale 2:25-2:35 & on, no IDs noted. KAAV was still on RS w/relegation. U/WIP-610 were an SS & WDAF, first time heard here in about 25 years! HJKC-850, of the Caracol net, was way atop all. R. Rumbos-570 was already on @ 4, but seemed to have just s/on - great signal, an LPC (Lead-Pipe Cinch). But even louder on 560, & really rocking WFIL was BES, giving those call letters after each selection, and using Caribbean-style EE & a most corny show, with selection dedications to kids "from your Mummy & Daddy" etc. When I heard from your Mummy, I thought it was Egypt, hi. SS chasers, the season is on again! Try these frequencies MMs & even other AMs: 570-860-900-970-990-1030 - and others - for early SS s/ons, mostly in Venezuela. BES-560 comes on around 3:45 and is on a time 1½ hours ahead of EST, in Georgetown, Guayana. I sent them a report las t March, but no reply, so I think I'll try again- they carry lots of short commercials at the above time. They're easy, w/WFIL on all-talk & other AMs off. On 550, Radio Horizonte in Bogota comes on awfully early - they were already on @ 4 a.m. & they are on EST. Let me remind you to MUSE and to add "Carrier Route 23" to my address, and to address me by the full name, instead of any nicknames. C U N 7.

## MUSINGS of the Members

Ernest R. Cooper  
438 East 21st Brooklyn, N.Y. 11226



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

No report sent in three months, so here goes a little. I have had a 100' double wire, insulated, running from South to North, beside the housetop, so I finally changed the #14 Belden copper-covered wire from its NE to SW position & attached it to the North end of the 100' wire, ran it to an insulator on the TV antenna mast, toward the SW, then NW to the West side of the house, down its side, in the window & attached it directly to the A-1 post on the 1949 11-tube Hallicrafters SX-43. The A-2 and ground posts are linked with a wire, & the ground wire is attached to an outside water pipe. Father Jack mentioned someone using a ferrite loop stick, so I purchased one. I attached it to the A-2 & ground posts, but it had no effect. Maybe the wrong attachment; anyone had experience with them? Along with everyone Out West, KCRL-780 was heard frequently during their tests; RS has commenced, AN of course, but they were off @ 2:57 EST, to return at 8 PM 10/19. 1440 has been a good listening post lately. SM 9/13 it was WNET, Little Rock, testing, heard from 5:44 to 5:50 their time. Verified on the basis of my report. KQPR-1440, Amarillo, & KDOT, Scottsdale, were reported to for 10/25 reception. KPMI Topeka, also was heard briefly. The KSWW-1250 ~~WEST~~ came in well, after local KSON-1240 went off. KBLU-560 Yuma requested calls at 2:29 their time SM 10/25; AN. The Domestic Log, sent around the Horn on Admiral Nelson's galleon has not arrived yet, so I ordered another, via Air Mail & I received it Mon. Oct. 26. I also sent Air Mail postage for the L.A. Log when I entered the Drake Contest; a fairly good start. Best wishes to all.

**RONALD F. SCHATZ - 510 N.E. 158 Street - North Miami Beach, Florida - 33162**

Greetings & sanitations! No, I'm not on furlough; I'm out.

"Veteran" is the term. Well, it's been a long time, so some words of introduction: 6' tall, slender, latter 20s, ugly, unpopular, lousy DXer. I'm originally from Philadelphia & South Jersey, but I've been a resident of Florida since '59, not including three years in Vallejo & San Diego, of course. Other interests include linguistic science, chess, securities, electronics & travel, and the list is no all-inclusive. My location is just South of the Dade-Broward county line & two miles South of the Miami TV antenna farm. Uleta is the name of my bit of unincorporated county, but the city of N.M.B. handles the mail. Equipment includes a Lafayette HE-30, with a recently-added mechanical filter, a four-speed four-track stereo TR, & a spiral loop as tall as I can make it for the den - 7'. I limit my DX to domestics: Cuba, LA, Europe, etc. I can't see wasting valuable time on monotonous foreign stations, like KMOX, etc. You hear one, you hear 'em all. The RFS Cuban List is already badly outdated & no longer "deadly accurate". Please bear with us while we get the Ninth Edition ready; it is still several months away, thanks to the ICR's juggling of stations down there. A note on mechanical filters; the MFs supplied by the NRC are simple to install, but many are having problems with them because of a lack of clear instructions in print and strange circuit alterations, practical only in theory, designed by ham engineers. Some tips on installation: 1) Add no resistance to the plate voltage line, or you'll deny the tube its full intended voltage swing & thus attenuate the signal something bad. In fact, go ahead & send all 200 volts or so through the primary of the first tuning transformer. The current is low enough to make it perfectly safe.\* 2) Stay clear of standard alterations. An alteration with like-value components will work fine for one RX but not for the next. 3) If possible, try a ~~new~~ replacement of the first IF can. The results are rewarding in most cases. Well, barring the unforeseen, Florida will definitely bid for the '72 Convention & if I can make it back to San Francisco to place the bid in person, I'll do so. Local phone here is A.C. 305-945-4915, call any time, day or night. 73.

\* IMPORTANT SEE PAGE 26

**DON EGGERT - Box 134 - Crown Point, Indiana - 46307**

Hi. Some really good DX being heard here on SSS & otherwise, so here goes. 10/17- WSVL-1520 @ 5 05am EST s/on-SSSP. 10/24- KSVF-990 @ 2:28 end of r/c-TT per IRCA list, KXJK-950 @ 6:28 s/off. KSPR-1590 @ 6:45 s/off, KYAL-1600 @ 8 EIT s/off, KWCO-1560 finally @ 8:17pm w/WDXR looped & no WQXR. KTUF-1580, one of my most-wanted & never heard stations in South Bend @ 7:30pm, IDs as K-Tough". 10/25- WKCW-1490 @ 6:16 s/off, KTUI-1560 real weak @ 6:25 s/off u/ everybody, KXGI-1360 @ 6:29 s/off. KBOR-1110 a surprise w/real clear signal @ 6:35 to 6:45 s/off w/"Oklahoma". Evidently KFAB has XR fixed, & the following all heard w/no WRVA. KLPR-1140 @ 6:45 s/off w/c/w, KQRC-1140 @ 6:58 s/off after Dallas FB, & KNAB-1140 @ 6:12 s/off. MM 10/26- KSAL-1150 u/jumble @ 12:07, WQMS-1050 r/c-mx @ 12:11, KIMS-1480 r/c-TT @ 1:21 w/Lee's Summit, Mo., KLZ 560 easy w/ WIND off @ 1:40. (I'm about 10 miles S of WIND, but they can be nulled pretty good at night), KWLA-1530 start of TT @ 1:53 w/WCKY off, WFPG-1450 a frequent visitor in South Bend a little tougher w/WVON NSP here at 2 09, KACK-1400 perhaps a test or something @ 1:38 since only the ID was heard, WBR-1310 topping the frequency most of the AM w/WIFE evidently off, & on 1300 evidently WMAK WTAQ & WERE all unbelievably off, w/KCWB ET/mx off on all AM & an unID c/w perhaps KYNO or someone giving PSR & a station I was beginning to think didn't exist at all, KORL-650 @ 3:49 for State #40 in 1 1/2 months here, plus KENO-1460 @ 3:40 w/20-20 NX. KBHB-810 @ 6:50pm w/lots of local spots but Rog Winsor says they don't verie. KJLT-970 briefly @ 6:57 s/off way on top, & KVSH-940 "Voice of the Sand Hills" @ 6:59 s/off w/no CBM. Also I'm fairly sure that I caught KJRL-730 & KAPI-690 as both were giving severe snow WX. Ah, the big one always gets away, hi. 10/27- I was somewhat surprised to hear WMOB-840 @ 6-6:15 s/off killing WHAS. 10/28- WRNG-680 "Ring Radio" @ 5:52pm w/-you guessed it - a phone-in show. KSDR-1470 a surprise on top of a clear frequency @ 6:15. KSCJ-1360 @ 6:23pm, KBRA-1480 @ 6:30 w/good signal, KQLO-1410 @ 6:33pm, WFAA-570 @ 6:40pm (I never did hear WBAP here) & KBAT-680 @ 7pm. Veries: WAFI KCRL WRMT WJUH WQMS WTRQ v/1, & KGYN WELQ v/q, WMMW-470 v/f. New NRC Log is great and mandatory for all DXers!

**BLAKE LAWRENCE - Box #03 - Canon City, Colorado - 81212**

10/29. So we meet again! Totals up to 430 this week with the catches listed below. 10/25- KEEN-1370 Cal. in w/c/w @ 3:24am; KAKE-1240 Kan. w/ your friend & mine, Miss Dolly, @ 3:55am. A new state logged thanks to WUMI-1410 Ala. w/ID, NX @ 4am. They were in so well I'm surprised it was their first time KMBY-1240 Cal. w/rr, 20-20 NX @ 3:40am. This has to be my best 250 watter. As near as I can estimate, they are at least 1,000 miles away! - They were getting higher S-meter ratings than 1,000w KYA, too. SSS: KEZU-920 S.D. @ 6:55pm w/rr, KSVF-990 N.M. @ 7:19pm, KTRN-1290 Tex. w/light rr @ 7:41, unID-630w/8s u/KHOW @ 7:50. 10/280 KEDD-1550 Kan. @ 6:51pm, KWEO-860 Utah @ 6:55pm, WMT-600 Ia. w/ID @ 7, tele-talk u/KHOW-630 @ 5:25-5:40pm, can this be KSXX, Utah? 10/29- KJJK-90 Neb. s/off @ 6:49pm. Reports out to KTKT & KRLA. Paul Hart's DA pattern article is fantastic! I'm looking forward to Part II. If anyone is interested in corresponding or trading SCs, please write. I have KDZA-1230 & KIMN-950 SCs, but the KIMN ones would be a few weeks old. Do other Colorado DXers exist? If so, they must not know how to write, 'cause they never Muse, hi. You griping Easterners should come to Colorado to DX - "where seldom is heard a discouraging word" (i.e., "NSP".) I have an old station list that has KYW on 1100 in Cleveland & Philly's 1060 was WRCV. What happened, pray tell? (That's a long story, hi -ERC) And how long has KRWN had that CP for 880, 50kw? Will they ever switch? I hope not, hi. I found a list of NBC affiliates in Newsweek & checked them against the Log. I sent the corrections in to RJE; I hope the info is useful. 73 & lotsa luck.

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

Hi friends. The new DX season has brought only a couple of new additions to my log, but many "old friends" have been noticed. DX: 10/12- WZZE-1250 & WJAS-1320. 10/18- WARV-1590. Those are now. 10/27- My hopes were let down after hearing CMQ-640 like a ton of brick w/R. Iberoacion ID @ 7pm. I was hoping they were off the air! 10/28 saw YVNC & CM??-740; HJCY-810 fighting it out

w/WKVM-810; I already have them all. Only new veries was from KYSN-1460 Colo. I heard them while I was out there in August. It was a v/r w/a "KYSN Niters Club" membership card. I have a working Knight T-60 XR, never put on the air! I would like to trade it for a RX of comparable value. Well, that's it - gotta go. Until the next time, 73, & good DX.

J. MUSCO - 16 Chestnut Drive - Windsor, Connecticut - 06095

I had a great time at the Convention meeting the "gan". DX: WCRV-1580 & as Jerry Starr says, what a signal! 9/9 from 7-7:15pm EDT s/off. 9/15- WORK-1350 easy from 9-10pm w/BB. 9/16- WCOJ-1420 o/WBSM from 9:30-10pm w/Phillies BB. I took a day off from work 10/14 with the additions of WIMS-1000 9-9:30am, WILD-1090 rough w/WIIC splatter from 2:24-4:5pm. I tried for WKDR-1070 in Plattsburgh but too much splatter & I haven't got a loop yet. On 1170, WWLE in Cornwall, N.Y. at S-7 from 4-5pm, very good signal. I received DX NEWS 10/23 & saw listing of WHIL TEST for the next morning, & I stayed up. I noted s/on @ 12:36am but unk tester @ 12:21 might have been they. Signal great with 5kw but w/1 kv @ 1:06, WNRJ was a problem. Lots of reports out, few veries back. v/r from WCRV & WORK. v/1- WWLE. 10/25- WKOL-1570 s/off @ 5:15pm & later on, WAPA-690 noted @ 7:35-8:30pm, not enough for a report. I had a great time at the Convention. Sorry I missed Moston since it's so close. 73.

KEN LYON - 9415 Goodrich Road - Clarence Center, New York - 14032

DX is picking up now. I had my first good SSS session on 10/28. DX this week: 10/26- WCBG-590 f/c-TT 12-12:15am strong o/WAKR, WNAK-730 w/r/c-TT 12:40-12:45am w/CBL slop, WTON-1240 w/r/c-TT 12:47-12:54am fadeout. 10/27- WHUN-1150 w/T, ID every minute, heard a week ago at the same time, 12-12:15am. 10/28- WAPI-1070 w/commercial for Associates @ 6:15pm, KXLW-1320 heard @ 6:24pm w/R&B, s/off @ 6:29pm, WTRI-1480 @ 6:59pm w/local NX & AI NX @ 7, KTOE-1420 in strong @ 7:21pm w/NX, KSC-1460 w/rx @ 7:34pm w/QRM from WHEC. 10/30- WILY-1210 w/ABC NX @ 6:06pm u/WCAU. Veries this week are WLYB & WHUN. WHUN was reported before, but no answer. C U later.

JERRY STARR - WHOT Radio - Youngstown, Ohio - 44505

Several days ago one of our DJs who flies his own plane spotted the site of our new local WDL-1570 with one-and-a-half towers in the air. This afternoon (10/31) we went for a drive to the site & found both towers up, painted & lighted already. The location has just been recently cleared of trees & brush & was a sea of mud, seemingly a marshy area. So it looks like this often-ill-fated station is actually taking form after all this time & several owners later. The original owner of the CP sold it for his costs without ever building or buying anything. All the new owners got for their money was a piece of paper from the FCC & a lease on a piece of uncleared land. There was no sign of any type of building or foundation so I assume it will be some time yet before anything hits the air. Probably ETs could be expected before the first of the year. There is an old empty house on the property from which the power for the tower lights is coming, so perhaps the XR equipment will be (or is now) housed there. If this is the case, look for ETs any time. More info on this station as soon as I can locate & talk to somebody connected with it. This will be my lucky 13th local, w/ two more newies in FCC hearing now; one for 1500 and one for 1000k. I can hardly wait. Welcome to WHOT, Dave Schmidt. When you hear Big Al now from 12-6am you will know Dave is pushin' the buttons. Dave & Wes Boyd have been out to the house to DX & shoot pool & to partake of the grape from time to time & we'll soon be planning an area get-together. More later.

RONALD F. SCHATZ - 510 N.E. 158 Street - North Miami Beach, Florida - 33162

Greetings & Come on Down! DX CX have improved again over the previous week, w/TAs the best since I got home. On the domestic scene: WGMA-1320 is off MMs 12-5am. Still on past 1 11/2 were WQAM-560 WIOD-610 WGBS-710 WFUN-790 WYCC-1080 WYOK-1260 WKAT-1360 WFTL-1400 WOCN-1450 WMMW-1490 & WSRF-1580. I would tend to call that a log of most Miami-area fulltimers! I tell you, ANY AM ten

years ago was clearer than our present MMs! Also add relatively "clear" 730k to the "Voz de Cuba" list - rats! Needless to say, I'm a staunch member of the "Move 'em to FM" club, hi. Local WINZ-940, only four miles from me, was TTING over much of the band 11/2 around 1:10. I have not shielded my mechanical filter, which could be the reason. I'll drink to J. Conrad's beverage. Maybe I can try the same thing using the established phone line, but I can imagine the results: WINZ cracking every tube in the set! By the way, Geoff Fox is on WNUM-97.9, alias "Mother", daily from 2-6pm. The station must be heard to be believed! I called the FCC monitoring station in Fort Lauderdale the other day to see what they know of the Cuban situation, & they know a lot more than I do at first impression. They keep their info on index cards. Man - how would you like to DX for a living? Question: Who speaks EE in Puerto Limon, Costa Rica? Both TIQ-1203 & WIMAR-1375 are carrying EE late evenings. Swan Island is now Isla de Cisnes & part of Honduras - no longer the CIA's. Cuba's Isla de Pinos had its name changed to Isla de la Juventud, or the Isle of Youth. British Honduras should be called Belize, though Guatemala may become the name if things go wrong, hi. An ERBA-style get-together for Florida is in the planning stage. LXXIII et bonum DX.

ERNIE J. WESOLOWSKI - 1416 Pssadena Avenue - Omaha, Nebraska - 68107

From an inactive DXer, I must confess. Nearly a year has passed since last report, so I will re-introduce myself. I'm single, 30, have some 1,050 veries in 47 states, nine provinces & 20 countries in, y 12 years of DXing. RX is an HQ-180A, I use the 40" loop & have a new den in the basement all set for DXing. Welcome to the Omaha area, Dan Morisseau. Some late veres are mostly FM. Only AMs are ex-KFBB-1310 in Great Falls, Mont., now KKGf. After five tries by mail, a personal visit paid off last July. An interesting one, though I won't count it, is from CBRD-860 in Field, B.C. logged while in Field on vacation. My only 40 watter & it's an IPRT. Report sent to CBU in Vancouver. Oh yes, a verie from our local police on 154mc. KING-1490 new call in town, from ex-KBON. KOPD-1000 Plattsmouth, Neb. is the only holdout for Nebraska being 100% verified. As many of you older friends know, I like to travel & talked to Len Kruse two weeks ago while in Dubuque. Last July while in Canada I visited CKPG-550 Prince George BC & CKPR-860 Prince Rupert, B.C. The IPRTs are sure popular along the hghways but get out only about ten miles at most. Then "Way Up North" a visit to KTKN-930 Ketchikan, Alaska. I know now why it's so hard to hear our 50th State. Ketchikan on 930 was the only Alaskan station that I could hear on the car radio from just 90 miles S on Prince Rupert B.C. & that was poor. Every thing along the WC S of there was heard very well. KLAK-1600 in Denver, but nothing from KOA-850.

BRUCE WINKELMAN - 1404 Alumni Place - Lawrence, Kansas - 66044

Greetings one & all! Right now I am very excited about this new DX season. All of my DX has been on SSS the past ten days & it's been productive. Tonight 10/29 I logged what I consider a fantastic catch on SSS. I was logging WHAM-1180 for a long overdue report & noticed several stations in the background. Then during WHAM's ID & commercial @ 6pm, I noticed very clearly in the background the "Yankee Doodle" IS of VOA. I am familiar with it from my SWL days. I am still quite excited about this even though it's almost an hour since the logging. I heard the Yankee Doodle theme at least four times. This was logged on my car RX, a '63 Chevy Impala in the parking lot behind my dorm. Am I justified in being excited about this catch or is this a normal reception on SSS? Have any other Mid-western NRCers logged this on SSS? Well, on to other DX. 10/19- KFMJ-1050 @ 7:45pm s/off. 10/25- KLIK-950 @ 5:45pm, WCBL-1290 @ 6:15pm w/s/off really buried in the mess. 10/27- WIMS-1420 @ 6:01pm w/NX, CBK-540 @ 11:13pm. 10/28- KXJK-950 @ 5:55pm w/sports, WAPI-1070 @ 6:06pm really battling KFDI, WJJD-1160 @ 6:15pm w/c/w. 10/29- VOA-1180 caught only the Yankee Doodle theme as mentioned before, KHAD-1190 @ 6:07pm w/WX, WILY-1210 @ 6:09pm w/AI NX & Tom Harmon Sports. All the times except KFMJ are EST; KFMJ EDT. I just received the 10/31 DX NEWS & really enjoyed the article on patterns by Paul Hart. Keepup the good work, Paul! Reports out to WILM KIOA KGLC KWKH WDXR WBBF WMT & WJJD. Recent veries, WOW KTB. That about wraps it up for this time. 73s.

## \* DX'ing from Florida

\* By one who knows - Ronald "Florida" Schatz

For 8 years now I've been telling you about how wonderful the DX is down here in Florida. I must confess that I've been only half right. True - the location is great, but the CX? We wouldn't wish it on California? A Floridian will DX under static levels that would retire a Californian from the dials permanently! This is easy to understand when one considers that Florida averages over 80 thunderstorms per year - more than any other state in the union. Even on a clear night we pick up these tempests on skip as they dump their excessive contents over Maracaibo or San Juan.

Climatically, Florida has two seasons: Summer is hot, humid and rainy; winter is lukewarm and relatively dry. The latter runs from November through April, but the period may be shorter. If we miss the summer static, winter's power-line noise is sure to be around. Especially along the coasts (and we've got 2 of them) salt and mineral deposits build up on the insulators causing the lines to buzz at teeth-gritting volume, and the rains necessary to wash the deposits away may not come in weeks during Florida's arid winter. Loops seldom help, by the way, as two or more poles rearing at a time is not the exception.

Dismissing our noisy environment, one couldn't ask for a better DX location. Tegucigalpa, capital of Honduras, is only 900 miles from Miami. Barranquilla is 1200 miles to the south. If you like Latin DX, we've got it - both day and night. Our state is as flat as a hotcake, swampy in parts, and surrounded by salt water, so good daytime ground-wave reception as far as 700 miles is regular. Both Bahamian stations are virtual locals from Key West to Cape Kennedy, and the same can be said for the more powerful Cubans from Lake Okeechobee on south. In fact, ZNS2 on 1240 kHz completely obliterates two closer domestic stations on the same channel along the SE coast, thanks to the water path. Other "regulars" in South Florida include the JBC-750, 4VEF-1035, 4VE-830 (behind CMCA), and WWL-870.

You may think that all our powerful daytimers pose a distasteful problem at night, but this is not necessarily the case, for the combination of powerful sky and ground waves tend to cancel each other out. At night ZNS2 dissappears behind the din, and HJHJ-600 drowns out powerful CMKV with no apparent trouble.

Nighttime reception, outside the Caribbean area, is not that unusual. Trans-Atlantic reception is normal for the EC, although we're some 1000 miles further from Europe than Boston is. Deep South America is also normal, with Brazil in best but Chile extremely difficult. The impeding Andes make reception west of them a problem in Florida. Here is where California has the Latin edge! Anyway, come on down, and enjoy the best DX this side of Cuba!

# Introducing

(for the man who has everything)

## THE ALL NEW N. R. C. DOMESTIC DX SUPREMACY RATINGS

Yes friends, now you can see how GREAT you are,  
DX-wise,  
by listing your DOMESTIC totals in the

# DOMESTIC DX SUPREMACY RATINGS

Yes, the National Radio Club has decided to rate members according to three categories: Heard, Taped & Verified. List your totals this way: 1) HEARD, Total domestic stations (50 states, D.C., 10 Provinces, 2 Canadian Territories), number of states and number of provinces. Repeat the same three categories for 2) TAPE recordings of stations you have heard and 3) written VERIFICATIONS you have received from heard stations.

Send your listings to: DOMESTIC DX SUPREMACY RATINGS  
%BOB KARCHEVSKI, PO Box 3151, Daly City, Calif. 94015

Remember, TAPED STATIONS, to be qualified for listing, must contain at least two of the following three identifiable items: 1) Station CALL LETTERS (not a slogan or partial ID), 2) FREQUENCY (should be identifiable as a frequency, not part of a slogan, etc.), and 3) LOCATION said to identify station, (not as mentioned in a newscast, ad, etc.).

So remember, send your totals to Bob Karchevski and you will receive, at absolutely no cost to you, a one line listing in the N. R. C. DOMESTIC DX SUPREMACY RATINGS.

NOTE: WE ALREADY HAVE ONE ENTRY:

Yr.	NAME & Std DX LOCATION	HEARD TDH SH PH	TAPE TDT ST PT	VERIES TDV SV PV
69	R. Karchevski, Cal	150 24 3	119 23 3	117 23 3

TD=Total Domestic, S=States, P=Prov., H=Heard, T=Tapes, V=Veries

# 10 THE BCB DX'ERS BEVERAGE

- Gordon P. Nelson

Ferry Conrad is now beginning to report some remarkable DX reception with his new Beverage antenna and this would seem to be a good time to present a long-planned article on this unique but little-known type of MW antenna. Very few DX'ers are fortunate enough to have adequate space for the construction of a Beverage antenna; this, plus a shortage of information in the amateur press, has meant almost total neglect of the Beverage for MW DX'ing.

The Beverage type of antenna was first described by Harold H. Beverage in 1923 for the reception of LW signals and belongs to the class of antennas known as wave antennas. While superficially the Beverage seems to be no more than just an unusually long "longwire", it actually operates on an entirely different physical principle from more common types of antenna. The Beverage is most useful on the long and medium wave bands and, like the loop antenna, loses efficiency so rapidly with increasing frequency that it is poorly suited for operation on higher frequencies.

Again as with the loop antenna, the Beverage is useful only for reception and has little application for transmitting; in the case of the loop because of the low radiation resistance in comparison with other losses and in the case of the Beverage due to the excessive ground losses experienced.

The most important application for the Beverage antenna is in the field of radio intelligence monitoring - a potential recognized and exploited by both sides during WWII; the German intelligence agencies regularly monitored MW East Coast U.S. stations from a site near Warnsee while Americans kept abreast of internal Japanese affairs by monitoring low-powered Japanese BCB domestic outlets with Beverage installations on Kauai, Hawaii and later on Guam. Modern installations for this sort of work frequently employ complex arrays of wave antennas arranged in parallel or radial configurations and in many ways these represent the "ultimate" in MW DX'ing antennas!

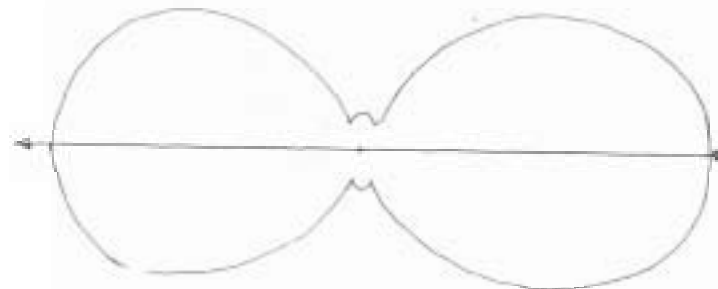
How does a Beverage antenna work? The figure below shows a typical wave antenna for long or medium wave DX'ing; essentially it's nothing more than a very long piece of wire stretched out in a straight line and supported a few feet above the ground. The exact height above the ground is not critical;

terminating  
resistor

600- $\alpha$  feet of wire in straight line

3 to 10 feet high is the usual range. Even the length is relatively uncritical - the Beverage is a broadband antenna and the longer it is in terms of signal wavelengths the "tighter" the pattern becomes. The Beverage effect begins to become significant when the antenna reaches about half a wavelength in size; this corresponds to 1825 feet on 540 kHz and 620 feet on 1600 kHz; as shown in figure 2, further increasing the length of the antenna (in terms of wavelengths) has the effect of narrowing the "field of view", reducing the pickup off the sides, and increasing the pickup for stations in the center of the "beam". While not obvious from the pattern diagrams, increased length also results in improved signal-to-noise ratio due to noise phase cancellation effects. With a very long Beverage, say 10 wavelengths (7 miles long on 540!) extremely quiet and stable reception can be experienced from stations totally inaudible on other antennas. Before you rush out to set up one of these remarkable antennas, be forewarned that with the present high cost of copper, a thousand feet of 7x22 wire will cost in the vicinity of \$20...

One wavelength:



Two wavelengths:

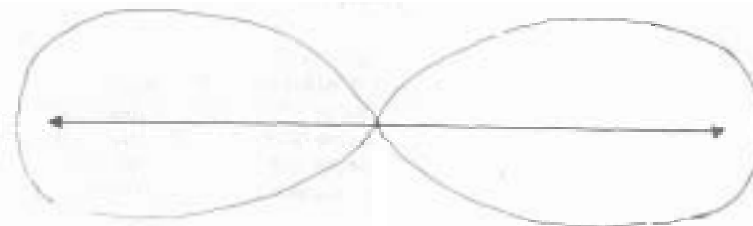


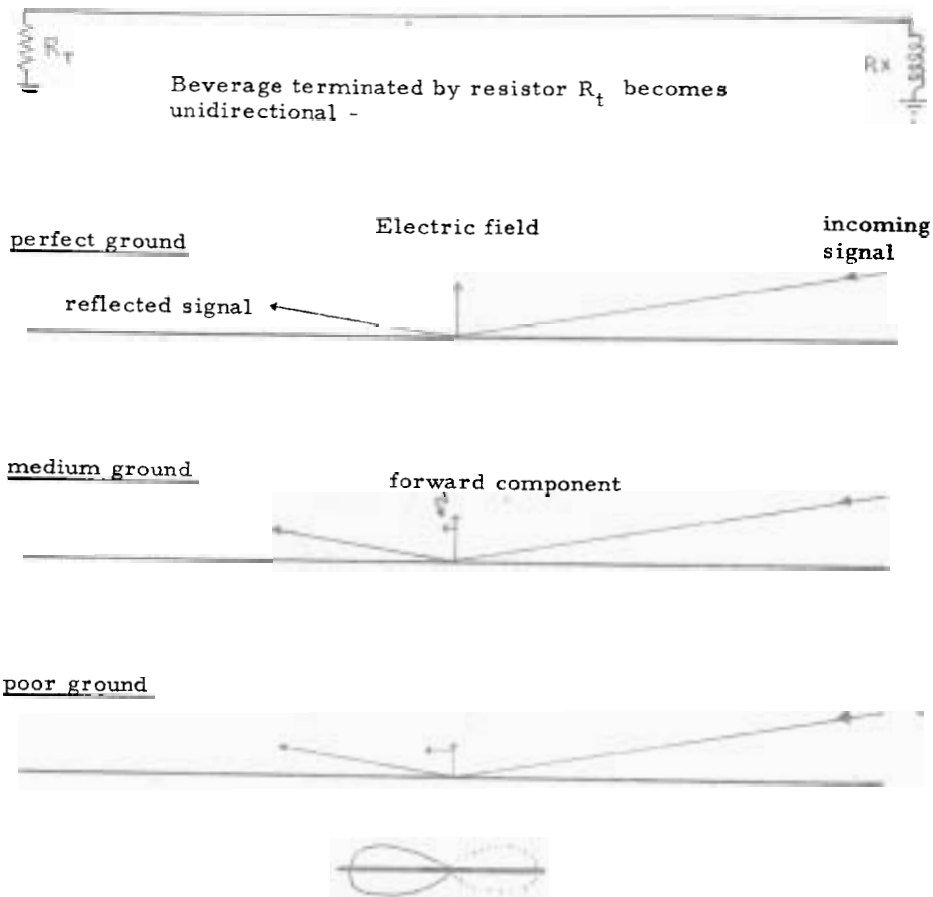
Figure 2. Rough radial pickup patterns in horizontal plane for typical one and 2 wavelength Beverage antennas.

The next figure explains just how the Beverage antenna works and why the performance depends critically upon the nature of the terrain under the antenna. In the first case we show what happens when an incoming skywave MW signal reflects off a perfectly conductive earth (say you built your wave antenna over a solid silver field for example. . .); in the vicinity of the earth the electric component of the signal wavefront is exactly perpendicular to the ground (per basic Maxwell). In the next case we have built the Beverage over a well conductive real earth, say a salt marsh or swamp. Because of the imperfect nature of the ground under the antenna, there will be a small component of the electric field of the wavefront parallel to the ground in the direction of propagation. The poorer the conductivity of the ground under the antenna, the larger this forward signal component will be; in the last figure the signal is reflected from a poorly conductive ground such as solid Continental Shield granite in New England - the forward component is now quite significant. The Beverage antenna simply sums up all of the forward components from the incoming signal and delivers the summed voltage to the receiver. The better the ground the weaker the forward component and the longer the Beverage must be to deliver the same summed voltage to the receiver; thus the performance of a particular Beverage will depend primarily upon three factors: (a) length of conductor; (b) conductivity of ground under the antenna; and (c) frequency.

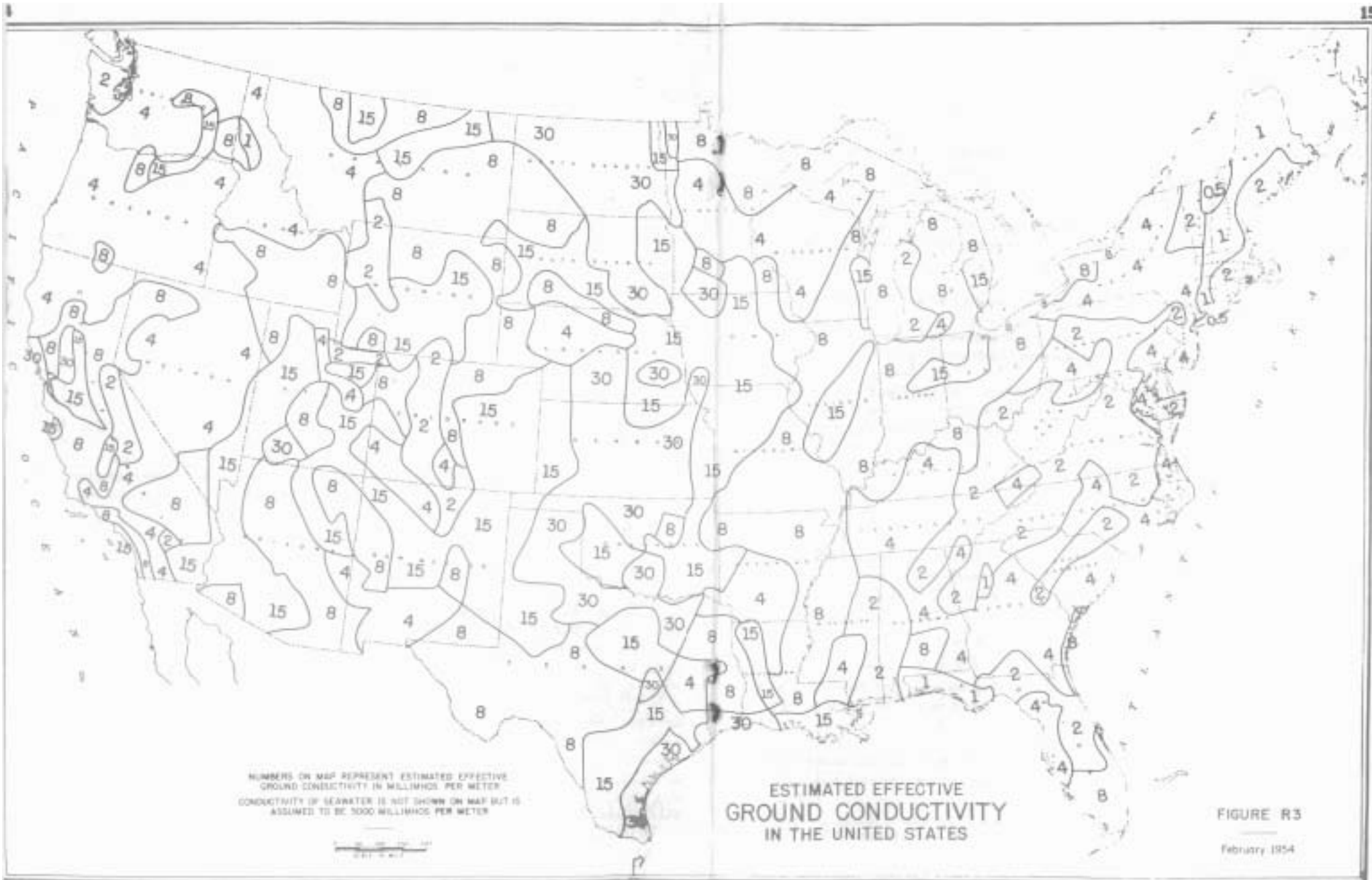
Note that the patterns on the preceding page show that the Beverage is basically a symmetrical antenna; pickup will occur from stations both forward and backward in the direction the antenna points. Reception from the back lobe takes place because the summed signal is essentially reflected back towards the receiver from the far end of the antenna if that end is left "free". If instead the far end of the antenna is connected to a good earth ground (copper pipes driven into the ground and soaked with concentrated salt solution, a cold water pipe, etc.) through a resistor of the proper value, the back lobe pickup will be dissipated in the terminating resistor, no reflection will take place from the far end of the wire, and the only signals delivered to the receiver will come from the forward direction! The exact value of the terminating resistor is the same as the characteristic impedance of the wire as considered to be a single transmission line with ground return. This is not an easy quantity to calculate or measure and the value of the resistance is usually determined experimentally by trying different values until back lobe pickup is minimized. Values in the 400 to 1000 ohm range are typical.

Because of daily and seasonal variations in the effective electrical properties of the ground under the antenna, the actual value of the terminating resistor which best reduces back lobe pickup will vary with time; in the most sophisticated modern installations the exact value of the terminating resistance may be remotely changed from the receiver site to optimize performance under specific conditions.

For maximum signal transfer into the receiver the input impedance should also match the characteristic impedance of the antenna lest part of the signal



be reflected back towards the far end of the receiver. By the same token, receiver ground should be as good as possible although ordinary capacitive coupling to power line ground will probably prove adequate. Note Nature's little irony in the matter of the necessary connections to earth ground: the poorer the ground conductivity the better the Beverage effect - and the harder it is to make a good earth ground at the ends! Ideally a patch of rocky desert between two salt marshes would be just the thing but try telling that to a real estate agent sometime. . . The attached maps give a rough idea of the effective ground conductivity in the U.S.; the lower the number the poorer the conductivity and the better the Beverage antenna will perform. Note that sea water in comparison is 5000 or more. In conclusion let us remind you that chopping down power or phone lines for the wire is a federal offense. . .





## INTERNATIONAL DX Digest



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

### REPORTEDLY IN OPERATION

**PAKISTAN.** A superpowered new station is currently testing on 1030 kHz and is widely heard in Europe at this time. (Ericson, Sweden)

**SUDAN.** On October 15th Omdurman radio announced that at 1800 that day the Minister of National Guidance, Umar al-Haj Musa, would open the "Holy Koran Radio" station to operate on 958 kHz (plus 5W). From that date the station has been on the air with Koran readings in Arabic and ID as "The radio of the Democratic Republic of Sudan from Omdurman, the Holy Koran station." (Ed) This one should be AN during Ramadan; best bet for Sudan if you can't hack WABC's splash on 764... (Ed)

**JORDAN.** Amman Radio is currently operating on 843 kHz. (Editor)

**HUNGARY.** Szolnok Radio on 1187 kHz recently increased power to 300 kw according to an announcement from the station. (Editor)

**DUBAI (TRUCIAL AMIRATE THEREOF).** The Voice of the Coast has just been logged in Scandinavia by an Arctic member on 1250 kHz; to the best of our knowledge this is the first logging of this one outside the Persian Gulf area; even the "pro's" have been unable to hear either 1250 or 737 in Europe to date. (Editor)

### CLANDESTINE AND PIRATES

**INTERNATIONAL WATERS (HOLLAND).** Capital Radio has been off the air because of damage suffered the ship, MV King David, during a recent storm. They are now back on the air on 1115 kHz with increased power of 10 kw but a new skywave repressing antenna as well. This one has recently verified. (Arctic & SCDX)

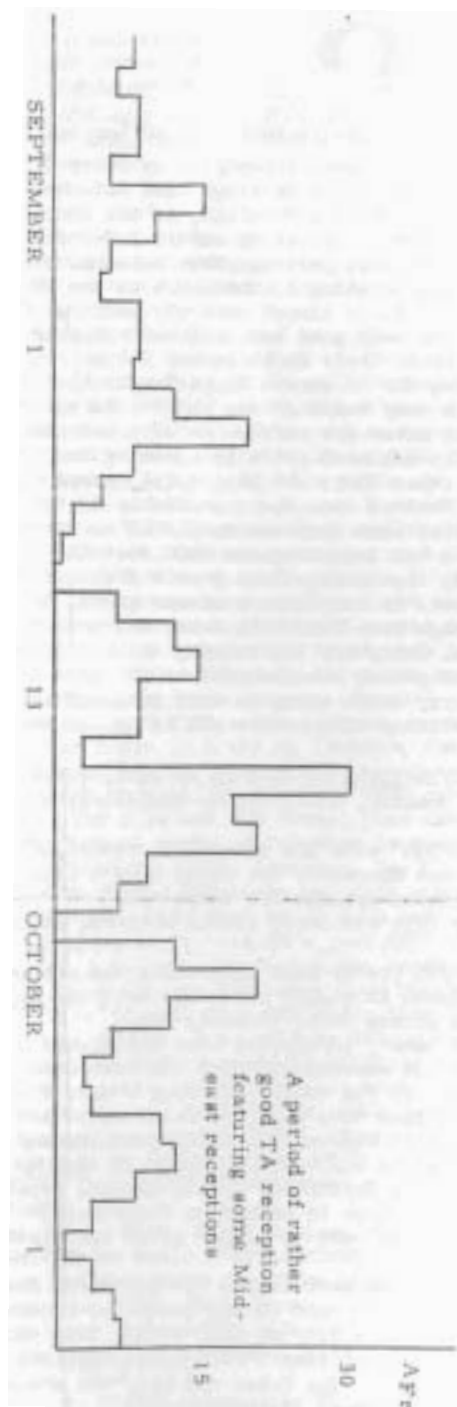
### IN THE PLANNING STAGE...

**BHUTAN.** "At prese t we have no radio station but we are contemplating to establish one in the n ar future", writes N. Chung, Director of the Ministry of Development in the Kingdom Bhutan. (SCDX)

**UGANDA.** 4 new MW transmitters costing 5,000,000 shillings each are to be built soon in this country; one will be located in Ojera according to the Minister of Information. (Editor)

**NIGERIA.** Bids have been tendered for the construction of 10 new MW stations in this country. (Editor)

**RAMADAN,** the Muslim holy month is now in progress; many Arab stations will be transmitting all night during the rest of the month. Watch for Sudan Saudi Arabia, Libya, Iraq as well as the more common outlets!



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 T A and T P 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 T A and T P 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.

## INTERNATIONAL DX Digest



Members' Loggings  
 Bob Foxworth, GPO Box 211  
 New York, N.Y. 10001

Receptions: (all times in IXKD are GMT. Deadline is Wednesday AM box del'y.)

The Editor calls your attention to some remarkable receptions by Jerry Conrad in Florida who has recently installed a 1 kilofoot Beverage Wave antenna. This represents the first known current usage of a Beverage, in the crowded band ex existing here in No. America; Jerry is preparing material describing the antenna for IX News. The design is not new; Beverage Wave antennas were in use before WW II but experimental data relating to their use on the MW BCW in a congested area such as Eastern N.A. is almost entirely lacking. Of course our colleagues in New Zealand have made good use of these antennas over the years in logging West Coast stations at their local sunset - but - on what are essentially clear channels for them, due to sunset happening at the times of reception for WCNA. Extreme QRM from many bearings are conditions suited to Beverage Wave antennas as the pickup lobes are narrow. We will have more information about this heretofore little-explored topic in upcoming issues of IX News in the hope that it will spur other DXers who have quiet, rural locations with at least a couple thousand feet of open space available to try these antennas so that we can know better what they can do for us as DXers. The minimum usable length seems to be a bit less than the 1000 feet there is in JMC's run. He is using #22 stranded, insulated, about 3 or 4 feet off the ground, supported by poles every 75 feet. It runs thru a citrus grove. Anyone who wants to try duplicating the Beverage Wave can write Jerry and your NR editor (me) who will send further info. Jerry may try running another 1000 feet, which theoretically will pull the pickup lobes closer to the wire axis. We will pass along any further info Jerry sends along as this is something the IX community has not had much experience with before and it is all news!

\* \* \* \* \*

- 580 Puerto Rico. WKAQ San Juan hrd 10/26 IDing at 0745 on AN sked. (Cajio) WKAQ hrd 11/2 0627-35 with ID in Spanish, commercials. Completely atop and no loop needed. (Heald, NY)
- 590 Mexico. XEPI, Mexico City, "Radio 590" with IDs after each record 0610 10/24 and much Latin type music; not Ranchero. The Cuban wasn't even audible. (Conrad, Fla. roughly between Orlando and Tampa area)
- 625 Ecuador. RCEN6 runs AN; sig only fair and local static bothers. (Schatz, Miami area, Fla.)
- 630 Mexico. XEVB Monterrey at 0410 10/25 pretty much dominating the channel with a very nice ID at 0410. No Cuban in sight; seems the Beverage null is sometimes more useful than its pickup lobe. (Conrad, Fla)
- 650 Hawaii. KORB Honolulu at 0305 and later, 10/26. Unn here but always a thrill to hear this one. Good sig but exceedingly high QRM from some thunderstorms in the Atlantic just off Fla coast made copy rough. They have a great many more commercials than they used to; still easy-listen music. Not as strong as KLEI the night before, but still good. (Conrad)
- 655 El Salvador. YSE hrd with good strength 10/24 at 0352 with ID then a speech by El Presidente, Fidel Sanchez Hernandez. (Craig Koukol, Naperville, Ill.) (Welcome to IXKD, Craig, hope to hear from U agn -ed.)
- \*\* 660 Mexico. XEJPM now using "Radio Juventud" and no longer gives call letter ID. (Conrad)
- 664,6 unID, mtd here on the R-390A; might be West Indies but not sure. Has been noted by a couple other DXers who thought it was Easterly. (Conrad)
- 670 Guatemala. Radio Fabulosa, TGRT Guatemala City at 0330 10/25. This one has Latin rhythms and some marimbas. First time I have heard this one since they were on 885 several years ago. The Cuban was atop the channel but Fabulosa was only about 3 db below them. (Conrad, Fla.)
- 690 Mexico. XETRA, Tijuana 0800 10/26 for the first time in years. I even hrd an ID in Spanish at 0800 which was followed by a promo for the Navy Nurse Corps and easy listen mx all in Eng. An amazing signal, even with and at times over CMBC. (Conrad, Fla)
- 690 Cuba. CMBC Havana noted here at 0055 10/24 with L.V. Vietnam pgn. Good. (Koukol, Ill.)
- 715 unID. Strongly suspect Cuba here but no positive location hrd. Constant ment of Radio Caribe. 10/20 0520 and most even around 0500. (Shannon, Pa) (HCTV was rptd here, often, a couple years ago but don't know where they are now. Let us know if you ID these -ed.)
- 719 Portugal. IDed at 2300 11/1 for nice evening reception here. BBC-type "Big Ben" but with more notes, then a long "gonng", then ID. They - the TA - were spluttering on the Cuban on 720! Was taping this excellent signal so couldn't check around much; a good Medit'n and No. African opening. (Conrad, Fla)
- 725 Costa Rica. TILX San José at 0355 10/25 s/off w/complete Radio Columbia ID listing all the stations on the network. An excellent signal but they gave no truly local ID at all. (Conrad)
- 730 Mexico. XEX at 0557 s/off with a very nice sounding ID tape. Naturally a power house but the Cuban off a few minutes early for a change. (Conrad)
- 730 El Salvador. YSE logged 10/25 at 0600 s/off, right after XEX. They gave the complete YSE net ID with calls and locations for each stn. Very nice signal and wonder why I missed them before. (Conrad)
- 760 Guatemala. TGRT "Super Radio" way on top 10/24 at 0400. Many "Super Radio" IDs and it's real easy to spot the marimbas. All these last ones hrd on the Beverage, by the way... (Conrad) ('sno foolin' -ed.)
- 760 Cuba. CMCD Havana good at 0130 10/24 with pgn of continuous news and one per second clock ticks; TC on the minute. (Koukol, Ill.)
- 780 B.V. Is. ZSVI hrd at 2210 10/24 with local ads and music. Nice signal this early in the evening, about one hour before my local sunset. They were all alone for a change. (Conrad)
- \* 780 El Salvador. A YSEL relay is here, could be YEBLA from 750 as I haven't hrd them there in a while. (Schatz, Fla)
- 900 Barbados. hrd at 0930 s/on with Bagler's Holiday and directly into Be Still and Know. 11/2. Also hrd YVOD give a complete ID at 0755 same date in Eng for 2 sv and BCN frogs, then same in SS and PP. (Conrad, Fla.)
- 791 unID. Several nets of Colombia in rough WJAR splash so didn't catch ID. Hrd 0505 s/off 10/21. (Shannon, Pa.)
- 810 Colombia. Radio Sutatenza hrd with strong sigs 10/24 at 0120 with Latin mx, ID 0122. This freq is // 5075 and 5095. (Koukol) (Schatz, next)
- 840 unID. Some CA is here MW's past 0605 with WJRI mtd. I'll keep after.
- 844 Gilbert & Ellipse. How do you get an ID out of this one. Hrd 10/24-5-6 from about 0730 on but never good and snatches of audio only are hrd. Have more trouble from EDA audio than I do from WJAB. If the QRM will die down enough, this will be fairly easy copy. (Conrad, Fla)
- 855 Ecuador. unID from here, is slightly stronger than looped-out Murcia-894 and static level still too high to bag. (Schatz)
- 855 Meth. Antilles. Radio Curon, FVCE Curacao good at 0148 with U.S. rock and some local tunes 10/24. (Koukol) Finally logged Willenstad. They seemed to be in Dutch 0156 10/20. Seemed to go past s/off as listed in WRTVH. They s/off 0400 instead of listed 0300. Is this a sked change? (Conrad, Fla.)
- 860 Dom. Rep. HIER, Santo Domingo. This one very strong most mornings with good ID as Radio Clarin. First logged 10/13 0655. Should be the newcomer best bet for their first Dom. Rep. station. (Shannon, Pa.)
- 965 Nicaragua. YMLU Radio Managua hrd 10/24 at 0214 with US pop mx, strong with many IDs and TCs. (Koukol)
- 975 Costa Rica. Radio Atenas, TIRS in fair 10/24 at 0237 with TC and soft IA mx. (Koukol)
- 975 Ecuador. RCAME, Guayaquil. Finally IDed by "peet" here as Ondas del Pacifico. Many nice IDs tonight for a change. Quite strong and easy to separate from semi-local WSW. 0706 10/26. (Shannon, Pa.)
- 1010 Honduras. HXXZ, Tegucigalpa, "Union Radio" gave a crystal clear ID at 0545 11/2 and were dominant at the time. (Schatz, Fla)

\* out of order

20 1015 El Salvador. Radio Internacional, YSC in strong 0242 with complete ID, then Latin mx 10/24. (Koukol)

1045 unID. I guess this is Panama but can't equate their strong sigs with the listed 1 kw power. Hrd nightly. Have they increased power? also, do they ever give an ID? Have listened and hrd plenty of talk but no ID. (Shannon, Pa.) (There is also evidently someone on 1041; they might be HJ -ed)

1075 Costa Rica. TIFC San José noted 0300 with English ID, then into relig pgm. They // 9645 and 6037 SW. Hrd 10/24. (Koukol, Ill)

1090 Mexico. XERB Tijuana at 0425 10/25 mixing it up with KAAV with record album ads. This one is really great, signal-wise, on MM's here but they are rare during the week. (Conrad, Fla)

1097 Spain. Hrd 0632 11/4 with traditional music, very little talk. (Heald, NY)

\*\* 1100 Venezuela. YVSW, Radio Angostura, Cd. Bolívar, hrd for the first time with s/on 0854. A new station on the air. (Objio, D.R.)

1124 Libyan Arab Rep. al-Bayda with strong signal, good audio with chanting past Miami LSS. Strongest Arab on the band. (Schatz) (date hrd?)

\*\* 1129.4 YNRC listed 1130 seems to be the one here; hrd with ment of Managua and Nicaragua. Has lots of No. American mx; must be 10 kw as they have a good signal. (Conrad, Fla.)

1130 Hawaii. KLEI Kailua hrd with all Hawaiian mx 10/25 0730 for tape logging but had been hearing them off and on for over an hour before the Cuban s/off at 0700. After that they were about even strength with WNEW and at times way over them. First time for this one either here or in Ky. and far and above the strongest Hawaiian ever heard by me. (Conrad, Fla)

1131 Colombia. HJAC Em. Rio-Mar dominant most evenings here. (Schatz, Fla)

\*\* 1150 Guatemala. Radio Reloj, TGRR is here ex-1120. (Schatz, Fla)

1187 Guatemala. TGT Radio Sonora in well 0340 with old pop mx 10/24. (Koukol)

1190 Colombia. HJCT Bqla gave a very complete s/off amnt at 0447 10/19, ment call, slogan, freq and location. Very strong and dominated 1190. Their slogan is L.V. de la Costa. (Shannon, Pa.)

1203 Costa Rica. TIQ, Radio Casino, San José hrd with West Indian mx and Eng. spoken on 10/25 and the first time I have hrd it this way. It had been raining during the evening and so had a lot of QRN. Faded some. Their s/off at 0605; no anthem played. The march played was not "Columbia, the Gem of the Ocean." (Objio)

1205 Sierra Leone. Freetown was fighting it out with equal-strength Bordeaux and both talking at 0610. Roughly 10 Hz apart in freq. (Schatz)

Freetown with nice ID and all in Eng and playing standards. This at 2250 10/24 and the sun still up here. This one is often in there but the audio is a bit shallow. (Conrad, Fla)

1212 Colombia. HJBE, R. Internacional very strong 10/12 at 0447 with many IDs. Hard to split from WCAU but very strong on MM. (Shannon, Pa.)

1225 Costa Rica. Stn hrd IDing as "Radio B-C, Costa Rica" and don't know, but it may be a change of name from Radio Victoria. 0600 10/26. (Objio, DR)

I got ID of my mystery as Radio BC or 2 other similar-sounding letters. Gave the time and ID over the beginning of each record. 0125 10/27 and was rough with WGAR splash. (Shannon, Pa.)

1255 Cuba. Reloj Nacional hrd IDing every minute with nx all the time, at 0620 10/25, time in EST. Don't know which xmtr this is; might be CMKA in Guantánamo, CMAG Consolacion del Sur or CMDE Bayamo. Whichever it is, they are drifting. (Objio)

1260 Mexico City. Radio Capital, XEL with Eng and EE Top 40 sounds 0525 10/25. A promo for Radio capital's special service for listeners who are going out of town for a while - send a letter, they will play a request for you. Seems to be in Eng for 6 hours per night, but which 6? They were mixed with XER Monterrey. (Conrad, Fla)

1270 Ecuador. Radio Universal, Guayaquil hrd for the first time IDing at 0628 on 10/25, playd pop mx. (Objio, DR)

1295 N.W.I. Sint Maarten. PJD2 10/25 0200 with a very nice ID between relig pgms. Strongest carrier ever noted from them but still shallow audic. (Conrad, Fla.)

1302 unID. Possibly Cuban CMJQ, as it loops in that direction, but relays CMBF. I only hear CMJQ days, and they were solid on 1300 every forenoon after monitoring 1302. (Schatz, Fla) (is CMJQ on 1300 now? -ed.)

1340 Mexico. XEMT, the "RCN" outlet in Matamoros at 0600 10/24 with the "works" at s/off- calls, location, slogan etc. A nice signal but some "alegria" intf. Nice tape and Mexico #2 on 1340 here. (Conrad)

1345 El Salvador. YSXW, San Miguel, "Radio Novedades" is in fair every eve. Gives call and slogan; the latter differing from FBIS. (Schatz, Fla)

1358.5 Cuba. Presume CMBG Havana with LVdC pgmg; no local ID noted 0520 10/26. Can anyone confirm this is they? (Edmunds, NJ)

1367 France. Lille powerful signal past 0500 any morning. They are the 2nd best European, after 1394. (Schatz)

1369 Cuba. The name "Siboney" comes from the Cuban Indians. When the Spaniards arrived on the island of Cuba, they were known by that name. Mexican Indians are Aztecas. (Objio, D.R.) (Tnx, Cesar -ed.)

1370 Mexico. XEHF Nogales at 0700 10/26 with complete ID folo by rancho style mx. Not very strong but still a nice tape. (Conrad)

1375 Costa Rica. TIMAR, Puerto Limon. This one has more, and better English than its neighbor TIQ. Try late evenings in East. (Schatz)

1380 unID. Who here carries Wolfman Jack a la XERB etc. Was audible on loop; mixed with KRKO on B.W., looped due West i/e/ central Mexico. (Conrad)

1387 Cuba. CMJ- is a new one in Camaguey province. Strong but extremely distorted. Hrd in evenings here. (Schatz)

1394 unID. Had what I think might be Togo. A very suspicious het here a bit higher in freq than Tirana and hrd on the B.W. which is very directional to Africa so could be them. (Jerry is running it with the far end untermated, so it is bidirectional -ed.). Was hrd 10/23 and 24 at LSS but very weak. (Conrad) (The word is that Togo is now using 20 kw -ed.)

1400 The "Mexican" I was hearing here is KUNO, Corpus Christi, Texas. They do not give English IDs on the hour; have not hrd call letters in either Eng or SS except at s/off. They play rancho, too, just to liven things up a bit. (Conrd, Fla.) (Someone notify D. Popkin, quick!! -ed.)

1410 Mexico City. XEBS at 0710 10/26 for one I've looked for for some time. They used to be very strong in Ky. They were here, too, MM over WING and KQV. Many Radio Sinfonola IDs and great rancho mx. S/off at 0700. (Conrad)

1430 Cuba. CMKZ, Palma Soriano "Radio Tabajal" seems to be the new slogan. Picking out aboriginal words thru the garbage isn't easy. (Schatz, Fla.) (Objio says it is "Baraguá" here, last week -ed.)

1440 Mexico. XELZ Mexico City all alone on channel, noted MM's since 10/12 at 0715. Many ments of "Musica de Mexico" and "Variedades". (Conrad)

1449 Cuba. Rptd // CMDX-1419. Local WOCN-1450 likes to splash at ID times so haven't IDed yet. (Schatz)

1451 Cuba. Santa Cruz, "Radio Maboá" reported here by FCC Monitoring stn in Fort Lauderdale. Have to visit some day! (Schatz, Miami Fla)

1467 unID. Presume C.R. or Salvador from format, mostly soft mx and amnts but no noticeable IDs in fady sigs to 0510 s/off 10/26. Very resonant and deep voiced ancr. (Edmunds, NJ)

1485 Colombia? Looped properly, format too, for unID SS with 0455 s/off 10/26. Could be Cesar's Radio San Juan. (Edmunds, NJ)

1500 Hawaii. KUMU under KBBQ 10/26 0830 with easy-listening. Only audible on the Beverage Wave; not even KBBQ could be heard on the loop! Hrd again 11/2 just after XERH s/off 0800 with talk about old time islanders with canoes; at 0830 "at the top of your dial, KUMU, 1500 Honolulu" and also had some KXRX in there. KORL was hrd same time and date. (Conrad, Fla.)

1500 Mexico. "R-H, Radio Tricolor" hrd for the first time IDing this way at 0654 10/25 with rancho mx. Is this a name change from "Radio Difusoras Comerciales"? (Objio, D.Rep.)

1520 Mexico. XEYP, a listed daytimer, gave call 0100 11/1 which was 8pm here. Do Mexican daytimers s/off at LSS there? Also, they gave calls as "Equis-ay-grekoyeh-pay" or similar. Have not hrd the "y" so pronounced. (Conrad)

1550 Australia. Had great signal from 4QD 0945 to CBE s/on and they were

22

- 1550 Australia. Had great signal from 4QD 0945 to CBE s/on and they were even hrd thru CBE for another 15 minutes or so. They had newscast at :45 and some music afterwards which I could identify. Reported. This is the first ECNA reception of 4QD I can recall in years. (Conrad, Fla.)
- 1550 Mexico. XREB Tijuana 10/25 0815 with many "BG" IDs and much music. Amazingly strong for only 1 kw and MM they were even stronger. (Conrad)
- 1562 Int. Waters. Radio Veronica hrd 11/4 0650-0702 with uptempo MoR, 6 pips on the hour and a commercial after the pips. (Heald, NY)
- 1580 Colombia. Armonfas Zipaquireñas, Zipaquira hrd for the first time on 10/26 with pop mx, IDed at 0956. (Objio)
- 1600 Colombia. Radio Ciudad Milagro, Armenia. Moved to assigned freq ex-1595 (and perhaps on REW's recommendation; see verification section in IDXD July 5, 1969-c.o.)(Objio)

\* \* \* \* \*

A few veries here, including HLJB and some odds and ends but I am exhausted and it's getting late so will send this off now, and leave the rest of the page for BPC use.

73 Bcl

ROGER W. WINSOR - 718 North Fremont Road - Valparaiso, Indiana - 46383  
 CX have definitely improved. Much DX to report: 10/12- WKNR-1310 s/off @ 12:27 to return @ 5 for NRC Log addition. High point was KCRL-780 w/MoR 2:51-:20, v/1 received already. 10/13- WNUS off again, but doesn't seem to be a permanent thing. TT 1-1:15 during KVRS time, but no IDs heard. KABQ-1350 I&C w/r/c-TT 1:15-1:30. That PM, KFAB-1110 logged just for the heck of it, 9:03-9:30. 10/16- Strong Aurora on TV to Canada. On BCB I noted all alone, signal of KFFA-1360 Ark. w/FB 8-9:56 s/off. Change NRC Log s/off time. 10/19- Unk on 930 @ 11:05pm, must have been Montserrat, but not for sure. WTHB-1550 on for unlisted f/c 12:30-12:45, as was WSKS-1600 1-1:15. Drat these times. What is EIT anyway? (Still Eastern Local Time -ERC) WBOV-1230 Ind. noted AN-rr, logged 1:03-1:50 off/on, w/WTBC/WBHP QRM. WORV-1580 noted on r/c w/organ mx 2-2:15, nice clear signal. 10/21- TIJJC-1575 "R. Columbia" noted @ 11:36 w/nice signal @ ID. YNG-555 "R. Tic Tac" noted also for first time this season @ 11:50. WJRI 1530 Miss. noted w/ET 12-12:38 w/c/w, plenty of IDs & WCKY QTM. (Is this CDT, per chance, Rog? -ERC) KWNL-1330 Ia. noted w/TT 1-1:10. That PM I logged WROK-1440 on RS for the heck of it. That was daytime DX, then KTUI-1560 Mo. 6:20 to 6:30 s/off-SSB. 10/22- I logged WITY-980 on RS daytime 2-2:30pm. They must be in the bucks, no more than 12 spots in a half hour. 10/23- Russ Brown & Don Egert over, & I got my tape recorder going, & logged KZRK-1540 Ark. @ 6:45 s/off. 10/24- WGAF-910 Ga. w/CBS NX ending @ 6:10, WATV-900 6:15 s/off, 2SS-1200 @ 6:55 HEY-690 strong w/Texas FB @ 7:15. 10/25- WJUM-1490 w/c/w @ 6:50 above the mess Then 10/26, KDRO-1490 Mo. w/12:05 s/off. WNDU off @ 12:05 w/Lord's Prayer. WJVS 1420 Ky. nicely in, 12:09-12:34 for much wanted log, R. Mundial-THEAT-700 equaling WLW at times @ 12:40, KNIN-990 TX all along, @ 12:55 final NX, KQEO-980 w/rr @ 1: w/WGST nulled. WJHO-1400 w/UG rock (???) -ERC & Wild Child Show 1:48-2:05, apparently AN, copied 2:00 s/off of WROZ Ind. & finally KLVW-1450 Ia. on f/c 3:13-3:17. A few veries in: KGRL KABQ, both v/1, v/f from WFDF & v/q from WROK KFAB. I am now at 2,608/982, & states at 50, countries at 42/5. Byeec.

W. HOOPERHEIDE - 3 Marquette Drive - Marquette, Michigan - 49855

No DX MM 10/26, as too much partying on Sat. night, but Tuesday PM 10/27 made up for it from 5-7:45pm, with one of the greatest to the Great Plains ever noted. Shades of things to come! WMPS-680 was fighting with semi-local WDRC for a new log. 1050k was a jumble until after 6pm when KMYC Little Rock & KLOH Pipestone dominated. 1580k was a gem with KLTR/KAMI/KPIK/KSUI all dominating till their respective s/off. KTUF was so loud it could have been heard coast to coast. KJLE North Platte noted @ 7pm s/off-SSB & KAMI same on 1580 KWBG-Boone Ia. atop 1590 w/sports @ 7:15pm. KHUB-1340 Fremont, Neb. ON THE GRAVE, yard frequency, easily the loudest & clearest station on the dial from 7-7:45pm. "Calling Radio"-KLMG-1490 Omaha about the same on the graveyard. KEWI-1440 Topeka @ 7:45, & new log in KWBB-1410 Wichita w/Ann making a boo-boo & IDing as WKBB, Wichita. KIXZ-940 Amarillo o/u WMIX until latter s/off @ 6:30. All in all, eight new logs & a total of 176 in the log period 10/27/69-10/27-70,

JOE WARRITH - Box 572 - Southern Pines, North Carolina - 28387

As expected, the NRC Log was great. Many thanks for a fine publication. I finally kept a longwire up after three came down! BCB & other DX is better here than in Baltimore - not so many locals. Back in August, new WCBX-1130 noted about even w/WPYB on 8/29. Same date, new WFIC with good signal on 1530 @ 6pm. They are awaiting new Chapel Hill N.C. station on same frequency. On 10/10, new log on KGGF-690 Kan. & KFI clear @ 7:15am! No sign of Cubans on either channel. I am again with WEEB-990 & planning on a TEST some time this season. They had one back in 1/68 & the response was great with some 43 verifiable reports, but this one may have to be by v/f due to a lack of time for DX & other indoor sports, hi! It sounds like the Convention was great; '71 looks like a good year to visit San Francisco! 73.

THIS THING COMES OUT EVERY WEEK. WHY DON'T YOU DO YOUR THING AND GET A THING IN THE NEXT ISSUE? DEADLINE IS EVERY THURSDAY AT OUR BROOKLYN ADDRESS. PLEASE DOUBLE SPACE. THERE'S A 30-LINE LIMIT. DO NOT INCLUDE V/S NAMES IN MUSINGS!

Remember:  
 MARG'S  
 35 Sylvan Dr.  
 HYANNIS, Mass  
 NOVEMBER 28, 1970

*[Handwritten signature]*  
 775-3533

ROY H. MILLAR - Box 851 - Everett, Washington - 98201

October DX fairly productive, i.e.: 10/5- CMKP-670 "La Voz de Cuba" ID @ 4:02am. 10/12- KING-1490 Omaha, ID @ 2:30am on ANI program (53rd logging thereon as I struggle to bring up 1490 totals to match other graveyards. 10/16- KCRL-780 Reno ID @ 8:30pm, announcing 24 hours, on what had been one of the better foreign DX channels here in the W. 10/17- KUUV-1590 Seattle (ex-KEND et al) ID @ noon; KRRE-940 Cedar City, Utah s/on 8:45am. 10/25- WCBL-1290 Burton, Ky. s/on 7am. 10/30- WCIL-1020 Carbondale, Ill. s/on 7am completing 100 domestic as far as know - still no '70 Log). 10/31- KQIN-800 Burien, Wash. ID @ 12:01pm. Loss verie for the month from CFWB-1490 (#1 thereon). Veries will likely be few & far between henceforth as I have begun to set up "taped veries" in accord with new NRC policy re such. I have 37 set up so far, & probably that many more still among the various tapes I've kept of reception over the past decade or so. The 37 I've set up to date represent many segments of DXing from new loggings (KQIN WCIL etc) to three unverified pirates (KOOL KEHR KXU) through a number of highly valued defunct calls (KREN-1420 XEBZ-660 WEOA-1400, et al). I would like to clarify my last Musing a bit re my best "under 100w" veries, by mileage being: CBRB-1170 Burns Lake, B.C.; CBXI-610 Hinton, Alta.; CBUF-1340 Ocean Falls, B.C.; CEXB-860 Banff, Alta.; CBXC-1450 Coleman, Alta., all being 250 miles or over. Only 10w verie has been that of a carrier current station operated in FW Seattle which was verified from my Bellevue location a number of years ago when on 657k. All the above CBC LPRTs are 40w, but I do have one 20w (CEKN-1490 Fatal, B.C.) & one 25w (CBRF-730 Fernie, B.C.) verified that are o/300 miles. 73

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

The 2,000 mark was reached one day before my vorthday last month. Yes, my 2,000th verie arrived 10/9 in the guise of YVKW-1070, LaGuaira, D.F., Venezuela. They wrote an exceptionally friendly letter. In part, it reads: "It has been a pleasure to receive your letter which we appreciate very much. You can't imagine how glad we feel when somebody as in your case send us a report about our station. We want to inform you that next month we shall start working with 10,000w, so that it will be our pleasure to know that we can penetrate clearly that beautiful country which you belong, as it is the United States of America. Thanks a lot for the souvenir & remember that you will always have friendly people willing to hear of you." "So it sounds likw YVKW has gone to 10kw and want reports from fellow Americans. The address is Emisora Vargas, Edificio Marquez Yanez, Avenida Soublette, La Guaira, D.F. Let me say it did my heart good to get such a letter as this one, I've been down in Venezuela, and there was much anti-American feeling there. Of course, with a name like DeLeurere, he might have thought I was a transplanted Frenchman. For the Club's information R. Barbados changed its frequency from 780 to 900k on 4/19/70. I heard the 900 outlet about five months ago & was quite surprised. According to my verie, 4/19 was the date. Well, that's it. What is WCDE's frequency? (??-ERC)

TIM KERFOOT - 34 Cross Street - Weston, Ontario

DX has been scarce so far this season compared to last. A few new ones have been added to the log since last Musing: 10/27- KSD-550, 5pm w/local WGR nullled. 10/28- WABI-910, 4:30pm. 10/31- XEX-730, 11:30pm. 11/1- WWSO-990, 4:55pm; WAXU-1580 5:30pm s/off. Also a couple of tdtatives on 10/25. UnID SS on 810 around 1-pm, quite strong w/WGY nullled on XR; seemed too strong for HJCY. The same night, 10:30-11pm, unID SS on 1190 or so, with beep-type NX, strong signal, with frequent mentions of "libetacion". I am not sure about frequency, as WQWO was not coming through at all. Two new veries: CHLN-550 & WLAP-630. I am LOOKING FORWARD to the NRC LA Log. 73.

We'll be looking for YOUR Musing for the next "sitting". We are getting on the average, about ten LESS than we used to get just a year or so ago. How come? We know most of you love the technical articles, IDXD, DXDD, and special features. We hope you haven't forsaken the oldest section of all in DX NEWS - Musings of the Members!" At one time, in fact, it was the ENTIRE DX NEWS! Lots of NRCers have paid us compliments on this section down through the years - how about you lads pitching in and keeping the section alive, interesting, and BIG?



EDITOR:

R.J. EDMUNDS  
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Greetings, again, peoples: This one is small, and hopefully, I'll make few mistakes, since I'm out of correctype presently. We now have enough people for typing correctors & such, and I'm hoping to get that done and ready for publication by Thanksgiving.

A bit of random comment, at the outset: I note with interest Harry Helms' comments on DX'ers verifying reports. Aside from the obvious fact that I signed last year's WRAN test, and will do so for future WRAN tests, or, more precisely, we used printed cards and I verified them (since I did much of the test), I see no difference. I agree with Harry that a DX'er tends to be much more careful in verifying than the average engineer, etc/ and I see no reason that he cannot be considered a "QSL Manager" on a temporary basis. I know of instances where DX'ers do all verifying for a stn. because the station won't do it. If the verification is legitimately checked against program logs or whatever, it matters not to me who signs it -- If a DX'er does, one thing is sure, it most certainly is NOT an "automatic" verie, and therefore is more valid than many "veries" signed by station personnel. Nuff said.

#### midnight to sunrise

560 KLZ -Co- Easy 10/26 MM w/ WIND off 01h0 (Don Eggert, Crown Pt., Ind)  
\*\*I'll assume EST times throughout on this -- this is why I don't DX at time-change, hi)-RJE  
1250 KALO -Ar Hrd MM 10/26 s/off 0202 w/ SSB u/WTAE (Eggert)  
1310 WRR -Tx Fair 10/26 w/ WIFE apparently off all AM (Eggert)  
1460 KENO -It Broke thru AN WBNS 10/26 03h0 w/ 20-20 nx. (Eggert)  
WOKO-NY Again this season appears to be on w/ TT/OC/c&w ET's many  
MM's, hrd 11/2 (RJE)  
\*x 1300 WTAQ-IL Off 10/26 (Eggert)  
\* WNAK-Tn " " " "  
\* WWSO-Oh " " " "  
1560 WTRQ-NC Hrd w/ ET-c&w mx 10/25 (Mark Katz, Brighton, Ma) 0115+EDT

#### sunset & evening

810 KHHB-SD Surprisingly strong w/ no WGY 10/26 1850 w/ many local spots (DE)  
920 KTOC-La 10/26 s/off 1846 SSB. (DE)  
940 KVSH-Wb 10/26 1859 s/off in clear during aurora w/ mentions of the "Sand Hills". (DE)  
970 KJLT-Wb 10/26 1857 s/off. (DE)  
1180 KEOR-Ok 10/25 strong on SSS 1830-1845 s/off w/ "Oklahoma" (DE)  
1240 KPWB-No Good 1816 10/26 w/ WRVA looped (DE)  
KORC-Tx Hrd 10/25 w/ Cowboy FB to 1858 s/off w/ no WRVA (DE)  
KNAB-Co In 10/26 after KORC's s/off to 1915 s/off (DE)  
+ 1520 WARR-NC Is on. Hrd w/ replay of HS FB game, ad, ID 1653-1700 s/off 11/3 o/u WKBW. (RJE)  
1530 WQVA-Va Unn. atop channel w/rr 1650-1700 s/off 11/3 (RJE)  
WTSN-NH Atop channel 1700-1715 s/off 11/3, unn. (RJE) (RJE)  
1550 WAAY-Al Hrd w/rr, ad, SID o/u CBE, others 1735-45 power cut 11/3  
WSAO-Ma Hrd briefly after WAAY power cut u/CBE 1750 11/3 (RJE)  
1560 KWDO-Ok 10/24 w/ many local spots, 1824 (DE)

changes

1030 WBZ-Ma Annced format change which would mean to be on until at least 0100 MM's, #\*#\*! (Phil Sullivan, Leominster, Ma.)  
 + 1520 WARR-Nc Is on.

V/C'S

WFTC-960, WPLB-1380, WEVA-860, 1st MM by RJE; KWLA-1530 4th MM by Eggert

That appears to be it as of 1500 EST 11/4. I do have a few comments of propagation and domestic DX, however:

propagation

In view of the lack of a significant decrease in geomagnetic activity this season, there is no particular reason why one should feel like giving up DX'ing and taking up knitting or somesuch. He can always go to Boston & to publishing sessions, hi. Seriously, however, the type of cx which we have experienced for much of this fall, and can expect to continue are quite good for DX'ing domestic sunset. Although an article on sunset DX is forthcoming, it should be noted here that since auroral cx manifest themselves in the blocking of signals from the North, and sometimes from the East and West of the DX'er's location, signals from the South appear enhanced. Likewise, since the lines of demarcation of sunset sign-offs, etc. progress across the continent from Northeast to South, to West & Northwest, many DX'ers in the East, Central & Midwest sections of the continent can take advantage of these cx to hit the sunset route. As witness the past few issues of DDxD, one can see that SSS is good still throughout much of North America.

GPOK!

*RJE*

\*NOTE regarding NRC mechanical filters. I think Ron was out of the NRC when our fairly comprehensive 19 page article on mechanical filters appeared in DX NEWS. In it we covered various alternative methods for adding MF's to receivers; the Lafayette filters described in that article are electrically identical to those available today and are in fact produced by the same manufacturer. The 10,000 ohm resistor shown in the conversion instructions is specified by the manufacturer as the appropriate value to properly match the input impedance of the transformer; I also independently verified that this is the correct value by checking the transformer with an RF impedance bridge. There is some drop in plate voltage across the load resistor but only rarely is this a problem; we discussed in detail ways to avoid shifting the mixer operating point unduly in the first article. The miniature IF transformers supplied by Kokusai are extremely delicate and burn out immediately when subjected to excessive current flow. If you happen to install the transformer without the coupling capacitor, there is a very good chance that the steady-state plate current will blow the transformer; if the mixer happens to be a low current device, transients can still kill the transformer nevertheless. Kokusai did not design these transformers to operate without the coupling capacitors and will not refund or exchange transformers blown by omission of the coupling capacitors. I once accidentally blew one by shorting out the coupling capacitor and I know of several other DX'ers who have had similiar experiences. As the writeup in the June-July, 1965 issue of Radio TV Experimenter said, "Do not try to feed the voltages through the filter's input and output transformers - it's a sure way to blow twenty bucks!"

\*GPN

		V E R I E		S I G N E R S			
A - D.	Copeland	H - T.	Buckley	1050	C HqU M	G. Jones, E	J
B - K.	Iron	I - L.	Siddons	1060	C JfR P	M. E. Montpetit, PD	H
C - L.	Kruse	J - R.	Ligon	1080	W T I C	H. A. Dorschug, CE	L
D - C.	Loukol	K - R.	Karchevski	1090	X ErR B	W. Jack, DJ	I
E - K.	Berlingmair	L - B.	Bennett	1100	W H L I	B. Naramore, CE	L
F - B.	Kamp	M - E.	Cooper	1110	K FcA B	J. A. Bruna, CE	EJ
G - W.	Boyd	N - D.	Eggert	1140	W Rv A	J. B. Tansey, PR	EL
				1150	W H U N	R. E. Thomas, PD	L
550	K OmY	R. B. Johnson, CE	F		W J R D	W. E. Folts, CE	J
	W K R C	R. E. Owen, CE	J	1160	W JqJ D	D. Tiffen, CE	J
560	W I S	L. B. Hill, AM	J	1170	WfC OmV	D. Maxwell, PD	I
570	W M A X	M. H. McDougald, GM	D	1180	W H A M	A. Davis, CE	L
580	K MfJ	A. Schneider, CE	F	1190	W O W O	W. L. Wolfe	L
	K Pfx D	J. White, CE	F	1250	K WqS U	F. Caille	F
600	W L S T	J. Davidson, AM	D		K HrO T	R. E. Potter	F
	C F C H	L. Cameron, DoE	J	1270	K BmJ O	J. Day, GM	F
620	W Tfr P	Matilda Anderson, PD	A		K AmJ O	C. Wilson, CE	F
	K Twa R	M. Porter	C	1290	W K N E	E. F. Batchelder Jr. CE	B
680	W I S R	P. F. Rex, CE	J	1320	K L A N	W. G. Derby,	F
690	C BqF	M. Olive Pintal	D		C HqQ M	M. L. Poisy, VP	F
700	W IqW	u/u	K	1340	K V B R	M. W. Persons, CE	C
720	W GqN	W. R. Crane, CE	K		K OcM Y	K. Tell, RD	F
730	K B O Y	V. M. Califf, CE	F		K EmN T	M. Wilson, M	F
740	K T R H	L. A. Mullan, CE	F	1350	KqS RmO	W. Davidson, CE	F
750	K XqL	J. Cassidy	F		W CuV U	C. Kincaid, CE	M
	W SqB	G. Fischer, PD	I		W K L X	C. Kincaid, CE	M
770	R JqR	W. G. Matthew, CE	I	1370	K D T H	D. R. Abitz, CE	C
780	K C R L	C. E. Cord, P, GM	F	1380	W ApW Z	H. Wilson, CE	A
790	K GqH L	F. L. Bartlett, CE	F		C KqP C	J. Fedhurster, CE	A
	K AqB C	A. Sterman, CE	F		K C I I	K. Light, GM	A
	W T A R	R. L. Lindell, DoE	HI	1390	W N U S	S. Schott, CE	H
810	C Hfq R	M. Hoyne, TD	K	1440	C KfP M	C. L. Walberg, CE	A
850	K QqA	S. Davidson, CE	K	1450	KfE HdD	T. G. Hicks, CE, K7WUD	F
	C JfJ C	J. E. Chesmy, GM	K	1460	K R N Y	R. Pasha, CE	F
860	C JcB C	Miss E. Teasdale	E	1470	K W A Y	J. W. Talbott, CE	C
	W A Y E	W. Brandon, E	G		K DmH N	Mrs. J. A. Rust, Trm	F
	WfK KmO	T. A. Eiland, P, GM	I		K X O A	R. Shelton, CE	F
870	W WcL	R. J. Almeida	E	1480	WfB ImU	A. L. Edwards, CE	H
	K A I M	L. F. Bridges, GM	K	1490	W D B Q	D. Helms, CE	C
890	W IqS	R. Huberty, CE	I		W KpN Y	H. M. Ellenboger, CE	A
900	C J V I	M. G. Doyle, CE	K		K T O B	B. K. Phillips, CE	F
920	W R N L	S. Straus, CE	H	1530	W T T I	B. Cagle, PD	I
	W R K L	P. Brooks, CE	L		W P N O	J. Aikman, SM	A
920	K IrO C	C. Smith	K	1560	W QqX R	W. Neiman, GM	H
930	W LfL L	D. R. Freer, CE	H		W T R Q	C. Scott, CE	MN
	K A G I	J. R. Taft, CE	F		W A F I	W. Powell, GM, CE	N
940	K I O A	B. E. Anten, CE	E		W TqO D	T. Mliofsky, EIC	J
	W I N E	J. Jeicuzz, CE	L	1570	C H U B	P. Henstridge, E	K
950	W P E N	C. Burtis, CE	L		K C V R	G. L. Sampson, GM	K
	W I B X	J. Dowdell	L	1580	W P A C	E. R. Pfeiffer	L
	W K A Z	H. Guenther, GM	J		W N J H	J. N. Rodio, P	N
	K J R	A. Pope, OpM	F	1600	W W R L	J. W. Kirby	L
970	C BcZ	A. Thurber	G				
980	W OcN E	R. Brock, CE	E				
	W R C	J. G. Rogers, TSu	H				
	W T R Y	F. B. Bicoستا, CE	L				
1000	W C F L	(P. Harper, D	L				
		(J. McKay, CE	L				
1030	K TqW O	F. J. Hildebrand, CE	L				
1040	W HqO	u/u	L				

We still have more here. Use the little "in between" letters to specify the type of verie received. "q" is a printed card, or known in ham lands as a QSL card. "c" is a hand-written or typed card. Please eliminate any and all v/s recently published! Please double-space your names.