



# DX News



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NATIONAL RADIO CLUB  
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"Each year I see DX NEWS it gets greater. My congratulations to all who report and to all at HQ for a job very well done." (Mel Dilbeck, Ca.)

## IN THIS ISSUE...

- MW Antenna Patterns, Part 2A - Paul Hart
- Will Good Conditions Ever Return? - Gordon P. Nelson

## MORE NEW NRC MEMBERS...

- \*Richard D. Hansen, 647 Commercial St., East Braintree, Ma. 02184
- \*Thomas Kirk, 2101 W. Neil Pl., Milwaukee, Wis. 53209
- \*Glenn Cooper, 12 Royal Crest Dr., Marlborough, Mass. 01752
- \*Richard M. Bartos, 692 Moore Ave., Campbell, O. 44405
- \*William G. Hoover, 4646 Cherokee Trail, Dallas, Texas 75209
- \*Noel Vietmeyer, Ripon Lodge, Woodbridge, Va. 22191

Welcome to the NRC, gentlemen, we hope to be reading your contributions often here in the pages of DX NEWS. Your new member kits are already in the mail and should be reaching you shortly.

## RENEWALS...

Lewis... Geary... Janeko... Delorenzo... Dexter...  
Bristow... McMurray... Mohr... Smith... Sperry... Rey  
Reynolds (Don)... Robie... Bell... Kennedy (A.)...  
Johnson (J.)... Fela... Basehore... Kruse... Peters...  
Richardson... Anderson... Gangler... Holbrook...  
Rosenbrock... Stieg... Garfield... Starr... Renfrew...  
Kerr... Lewis... Hoffman... Seay...

## ATTENTION EDITORS AND CONTRIBUTORS! ✱

Continue to use the DX NEWS makeup sheets as supplied but turn them over and type on the back - "Invisible Blue" is no longer invisible! **Margins and spacing remain unchanged.**

## NRC LOGS...

The cause of the delay in delivery of some NRC Logs has definitely been **determined**. Part of the last big mailing of the original orders - sent out around September 10th - got separated from the rest and did not clear the Boston South Postal Annex right away. We then got hit with a major UPS strike and South Postal promptly got totally flooded under with material usually handled by UPS (the strike is still going on). Some of the trapped logs have been going out erratically and though the P.O. assures us that they're catching up at the Annex, we'll have to assume that some of the missing logs aren't going to see the light of day for some time yet... I have sent letters to all the members affected; anyone wishing to have us send an emergency replacement via First Class mail, please do so per the instructions in the letter. When the original eventually comes wandering in, please return it to HQ so that we may send it out again to someone else. We have set aside enough extra copies to assure that no one who has ordered a copy to date will not receive a copy - even if the original one does not arrive. But we are beginning to run low on Logs - there are now fewer copies left than there are members who have not purchased a copy... Some members will definitely lose out; will you be one of them? COMMENTS ON THE NEW NRC LOG: :

- "Super-terrific..." - Don Erickson for IRCA
- "The best log ever produced..." - Bengt Ericson, Arctic Radio Club
- "A really fantastic job, may I say..." - Bill Feidt
- "Super FB, no DX'er can afford to be without it..." - Craig Koukol
- "Great work on everyone's part..." - Bob Leamy
- "It's really great!!!..." - Ron Christen
- "Just fantastic..." - Fred Woodley, ELECTRON Magazine
- "Still not received..." - Joe Plonka (sorry...)

## PRINTING...

After two issues with miserable printing, things are finally getting straightened out. Last issue was fine except for the cover and that'll be taken care of soon when we get a metal plate made up for it. The breakup was the result of a new platemaking process; whereas the ITEK plates used formerly did not "see" light blue, the new 3M plates are essentially panchromatic. Since our make-up sheets have blue margins, the plates were intentionally underexposed to prevent the background from showing. Last week we gave instructions to expose until the copy was adequate even if the borders showed - thus the lines on some pages. Editors are instructed to use the flip sides of the pages to prevent this in the future!

## NEGATIVE TIME DELAY MAIL DELIVERY...

Several of our members and at least one editor report extreme psychic trauma resulting from the receipt of DX NEWS "before it was printed". Rest assured, the laws of physics are not being violated - we've just begun to conform with all other magazines and periodicals and are dating DX NEWS to correspond more closely with delivery date! . P.N.

## LATIN AMERICAN LOG...

In a telephone conversation earlier this evening, Howard Fountain reports that the final copy for the new Latin American Log should be completed in a week or so. The main body of tabulated station information will be brought up to date at the last minute before printing in the Appendix to the Log; station information will run about 75 pages. In addition we will be including about a dozen pages of special articles on DX'ing the Latin American stations, written especially for the LA Log by the club's top LA experts. Final size now looks like 80-90 pages; production will be very similar to the NRC Domestic Log... **BECAUSE OF THE LIMITED SIZE OF THE PRESSRUN, YOU MUST DROP A NOTE TO HQ TO RESERVE YOUR COPY NOW!**

## AIR-CORE COAX FOR ALTAZIMUTH LOOP!

Writes Jerry Starr,

I have located a source of the air-core coax for the altaz loop which is usually available only in short lengths. The following lengths are available from automobile supply company:

J. C. Whitney & Co.  
1917-19 Archer Avenue  
Chicago, Ill. 60616

Ordering information (catalog number 281) -

<u>Length</u>	<u>Stock number</u>	<u>Price</u>
96"	17-7803	\$2.05
144"	17-7804	\$2.59
180"	17-7805	\$2.98

Shipping weights are about 8 oz. One problem, for orders under \$7.50 there is a \$1.00 handling fee, perhaps a good idea is to have several loop-builders get together and order their cable all together.

## **Emergency !!!**

Russ Edmonds is finishing up the CORRECTOR for the NRC Domestic Log - this will list all of the typos, etc. in the Log as of the date the Log went to the printer. All subsequent changes will be handled separately in the Updaters which appear regularly in Russ' DDXD. Because of his heavy workload, Russ needs a Volunteer to type the CORRECTOR for the bulletin. If you would like to help and have access to a type-writer with a carbon ribbon, contact Russ now!!!



	SPECIALS				
Sun. Nov. 8	C J I E	940	Vernon, Brit. Col.	10,000	3:01 - 4:30 N R C
			(or Mon. Nov. 9)		
Mon. Nov. 9	W O D I	1230	Brookneal, Virginia	250	3:00 - 4:00 N R C
Fri. Nov. 27	W C R V	1580	Washington, New Jersey	1,000	12:00 - 13:30 NRC-r/c

CJIE reports go to Mr. John Mitechke, 3315-B Barnard Avenue, Vernon, British Columbia, Canada. Miss and many IDs will be featured! WES BOYD

WODI will be on with equipment testing, with probably tones and band music, and many station IDs, by voice and by station jingles. 1230 is not too crowded in the East on Monday mornings, and it is hoped and believe WODI will do quite well in this sphere. Give them a real try - a really friendly station. Send your reports to Mr. Graham L. Jones, Chief Engineer, Radio Station WODI, Box 518 - Brockneal, Virginia - 24528. ERNEST R. COOPER

#### CONGRATULATIONS!

To DAVID SCHMIDT, on his new job as Doc Knight at WHOT-1330, Youngstown, Ohio! He will henceforth be known to you all as "Mr. Al Knight!"

#### CONGRATULATIONS!

To Radio Station WHOT, which becomes the FIRST station in the WORLD to employ THREE N.R.C. members at one time, as Dave Schmidt joins JERRY STARR & WES BOYD!

#### CONGRATULATIONS!

To PAMELA and DAVID ROYS, on the birth of their daughter, Jennifer Lynn, on October 13, at 6:44 p.m., weighing in at 7 lbs, 9 oz.! May their joy be unbounded, and the newcomer be a fine, healthy child!

RICHARD CLARE - 4110 Bayview Avenue - Fort Lauderdale, Florida - 33308

This week we welcome back home Ron Schatz from the Navy and I had him over to my place with Virginia Lyle for dinner. Then he put in two mechanical filters - one in my set and one in his, also. Last week I put my BCB Loop on a crystal radio & it worked great! I get more on it than without it. How about a mechanical filter on a crystal radio, hi? Well, here's what I did get. 10/11- WKLB-1350 Portsmouth, Va, new call @ 10pm, & WMBB-1350 New Orleans @ 10:30pm. 10/12- CMCG-1360 e/off @ midnight EST, and XEVIK-1560 also 12:30am, WIFA-1600 real good @ 11pm. 10/13- WPIV-1080 @ 2pm mill out WVDG, not easy! WPUL-1130 @ 2:30, weak. 10/14- XEHN4-649 good @ 11:30pm. 10/16- WGN-730 @ 2:30am, not easy - it took a whole year to get it. XEAB-1110 @ 3am very weak, XEYBA-1590 very hard in stereo, one channel they & the other is Castro. Well, that's it. 73e.

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

Veries in from WFLB-1380, WIQT-1000, WCVU-1350, and XECCO-1380. WIQT was tickled with my report from N.Y.C. (w/WINS-1010 next door w/50kw) and WCVU says they've changed calls, ownership, & hours, now WKLB, & AN-5, under the same ownership as WHAM-1180, WPTB-1540, WAKB-790, WMAW-1340, WKWV-1250. XECCO sent a pix card of a park-and-status scene, verie message on other side, & are under same ownership as XEFS-590 XEUT-1000 XEBS-1410 & XEUB-1530. I wasn't able to DX on WM 10/19, but I did get one newie this AM, 10/22, in WGNW-1560 on WF/OC, with an ID finally @ 1:59am as they left the air. WLIB-1190 is off due to a strike, but I can't get anything there but WANN due to the buzzing I get in the twilight, particularly around that area of the dial. Sorry, the electric typewriter is still on the fritz, so I am using this old gas typewriter. Anybody have any info on summer country boarding houses/hotels like we have here in the Catskills? I'd like to venture further afield next summer, hi! Also, is anyone interested in empty match boxes of restaurants, hotels, etc.? I have a large supply I was saving for ex-NRC'er Ron Schiller, who was recently married in Florida, & I'd like to get rid of them! Anyone interested? C U N ?.

## MUSINGS of the Members

Ernest R. Cooper  
438 East 21st Brooklyn, NY 11226

RONALD P. SCHATZ - (visiting relatives in) - Richardson, Texas

Greetings from America's most egotistical state! After four years in the Navy I am once again a civilian, having successfully fought the two-year extension of my enlistment. During the past quad I have resided in North Chicago, Vallejo, San Francisco, & San Diego, and have visited 12 countries, including the DMR's dream - New Zealand. Strangely enough I miss California, from Ghirardelli Square to P.S.A., but Florida is in my blood, and there I return. This address is in effect immediately: 610 N.E. 158th Street, North Miami Beach, Fla. 33162. Phone calls are welcome at A.C. 305-945-4915, 24 hours a day. Present equipment includes a Lafayette HW-30, a 2' loop, & a stereo tape recorder. This will be expanded by an HI with non-track presector tuning, produce detection, & MF-controlled selectivity; & in immediate plans is a gigantic 7' loop! Policy changes include the keeping of no heard/verified totals, station records on filed index cards for your reference & mine, & active research, especially in the field of MW propagation. In other words, my den will be strictly a monitoring & research station devoted to the hobby & trochology, & not for selfish, personal use. Of course, Cuba-watching will be high on the list. My date due home is 10/14. Miami is likely to bid for the NRC Convention in 1972. It's good to be back in the swing of things. 73 & a good DX season to all. (Welcome back, Ron - please be so kind as to double-space? Thank you! -NRC)

DAVE SCHMIDT - 44 Green Lane - Green Ridge, Pennsylvania - 19014

Greetings! Not much to report, but I do have a little news. V/1 in from WTTI-1530 for NY. WCVU-1350 has either put in a wiggly or has been granted a call change, I don't know which for sure. WERE if off AN again. They have also backed down their modulation, don't seem to be hitting the thing as heavy. Now, for the shock of the century for the whole NRC. I'm sure everyone is aware of the Youngstown gang at WHOT, Wes Boyd, & Jerry Starr. Well, let me make it official that I will be joining the WHOT staff on 10/27, working the Al Knight shift. Upon arrival of an address, I will be out of contact with people & such, but will be all ready to start logging the stations all over again, & maybe even get 50 states out in Ohio. Nothing to lose, so ' can't complain, hi! 73e.

JOHN H. SHANNON - 478 East High Street - Kittanning, Pennsylvania - 16001

Hallo gang. Just a short Musing to tell of a couple of new developments here. First of all I have converted my HF amplifier in my homebrew EX to an FET circuit, & have come up with a better signal/noise ratio & a little more gain. I have also started to work on the FET altaximuth loop which I hope to finish in a month or so. Nothing spectacular in the way of DX lately. I have just been logging some ordinary ones that I missed before, & some r/c's. My foreign DX is in Fox's column. Nothing much, but I did get Country #51 in the form of OEBAN-880 10/5 @ 2:10am, Peru. All in all, DX seem better than last year at this time w/Europe in every night since about Labor Day or earlier. I just recently caught up on some much delayed correspondence, & I hope everyone has heard from me by now. Sorry about the delay. Latest totals: 1253/47/8/51 w/323 daytime (10am-2pm EST), 1,041 domestic, 59 TAs, 153 LAs. The best of DX to all. Incidentally, WKEG is on RS now, began around 9/27, I think.

BOB MOWBR - 53 Anthony Wayne Drive - Wayne, Pennsylvania - 19087

Hallo everyone, I am a new member of the NRC & I guess a brief intro is in order. I am 14 & go to Valley Forge Jr. High (Ninth grade). I first started out by working the SW bands, then switched over to MW. Not too much going in my area. Only DX to report is 10/5- WCKY-1530 9:16 EST. CEK-1550 10pm, WPT-1110 10:20, WJH-760 10:30, WBYA-1140 9:30pm. Well, that's all for now. 73e & Hasta Manana. (Welcome to the NRC, Bob, and we hope to hear often from you! -NRC) COME ON, BOYS - JOIN THE HOOKED GENERATION - THOSE WHO MUSE AS A REGULAR HABIT!

ERIC DIRICCO - 540 Gallion Avenue - Pittsburgh, Pennsylvania - 15226

I just thought I'd drop a note to show all I'm still DXing. CX have been greatly improved. My latest veries are from KMOX-1120 WJJD-1160 WSIG-790 & WKRW-1520. I've been doing a lot of SSS lately & here are my catches: 9/22- WBBR-740 w/s/off. KFAB-1110 (SRS) o/WBT. 9/29- WAIT-820 u/WOSU. 9/30- WKWV WSON WSIG (s/off) WETB (s/off) WAKB WAKY CMCH & CHIC, all on 790. I found WBBR dominant until sunset when WAKY became dominant. 10/1- WJCV CKLY & WORD on 950. WJCV became my second Johnson City station in two days. 10/6- KVMA-630 w/ an ID & Mutual NX. 10/7- WWHY WFAR WBIG on 1470. First time I've ever done SSS on 1470. 10/8- I decided to see what I could get on 1550 at SSS. All I got was a lot of KXEL slop & WCVL-1550, also an unID Mutual station, not WBSO. On 10/11 I noted that local pirate WBDJ is back on 1470. If I can locate where their signal is from, & I'm getting close, I'll report them to the FCC because they completely mess up the 1400s. 10/14- Listening on 940 I heard semi-local WESA s/off & then heard FF underneath. They had a talk show & their ID sounded like CJCA. Are they FF? (No, they're KE, & they're not on 940 either, hi -ERC) My attempted purchasing of either an R-129X or an R-100 through Amateur Electronic Supply failed, & I got zilch. Only RX available was an HQ-100A for \$100, which is out of my budget. Also, Trigger Electronics fell through. Their cheapest was an RQ-100A, but for \$199! Anyone having any ideas about where I can purchase a good used RX for about \$75 please contact me. Best of DX to all. 73s.

TIM FERFOOT - 34 Cross Street - Weston, Ontario

Here is the first Musing from this new member. In the way of an introduction, I am 21 years old & have been interested in MW DX since 1962. However, I did not begin keeping an organized log until '64, & began to more or less specialize in MW in '65. In 9/70, I joined NRC. My most wanted station is WADD-1550, which is only about 95 miles away, but has failed to make an appearance here. My equipment consists of a Hallicrafters S-120, a Highwave AM/FM portable, & an old G.E. console BX. The console performs very well but is susceptible to interference from the TV set. DX heard lately: 9/10- WBTA-1490 N.Y. 7pm; WMGW-1110 Pa. 7:30; CPRA-580 Ont., 11:10pm. 9/14- WWLW-1170 N.Y. 7pm s/off. 10/11- CERN-550 Que. 11:35pm, local WGR mulled. 10/12- WLA\*-630, Ky. 2:35am. 73. (Welcome to the NRC, Tim! We hope you'll be a frequent Miser! -ERC)

FATHER JACK PEJZA - 3266 Nutmeg Street - San Diego, California - 92104

The SCREPOSDX Get-Together will be held at Grant Manning's pad, 4034 Ingraham Street, Pacific Beach, San Diego, all day on Saturday 11/29. Telephone: 714-274-4233. All DXers welcome. Tapes of some of the TP DX heard recently will be played. I hope we have a good turnout. As of 10/15, I still haven't received the NRC Domestic Log. What's happen? Put me on the list for the LA Log. I've signed up for Divisions B, C, F & G of the NRC Foreign Contest. What with Richard Wood & Cesar Objio much closer than I am, I don't expect to set any records in the Caribbean & SA divisions, but competition in the Oceania & Asian divisions should be easier. CX here MA 10/12 were much poorer than the previous four MAs. Gene Maetin in Denver, reported to me that he experienced the most sudden disintegration of reception CX he can remember between 3 & 3:15 GMT on 10/10. Don Kenney also reported TAs on 10/9 & 10/10; nothing of the sort was heard here on 10/11. KCRL-780 Reno is now finally, as of 10/11, on RS; AN, unfortunately, & perhaps NSP. ERC, this is being mailed 10/15, when did it reach you? (Monday, 10/19, Father - ERC)

LEE SIDONS - 657 Gaines Way - Winter Park, Florida - 32789

Almost all the veries sent for (in 10/10 bulletin) have been received: v/1- WTAR WCOV w/CM; WAOX WYRE. v/q from RJR KSL WING WLS. Also I heard the same test from WTTI-1530, Ga. that P. Taylor & D. Schmidt received. V/1 in from WTTI. Maybe we can get him to do an NRC TEST. Earthese catch to date is WYRE, also report out to KFI. I wrote WKXO-350 Fla. about their change in skat. They still plan to extend their day to past [redacted] in the near future (fulltime). They were fined a few thousand by FCC for not logging etc properly! That's it. 73.

DON EGGERT - Box 154 - Crown Point, Indiana -

10/16. Greetings, all. Things are beginning to pick up DX-wise, with the HNL gradually getting lower & lower. DX of late includes: 10/4- CBBF-540 8pm ELT in FF, WOOD-1310 @ 11:50 on RS o/thers. KCII-1380 r/c-TT 1-1:15 good signal, WVOJ-1320 fair w/WILS off, WJAR-920 surprise @ 1:35 on RS w/920 - aazingly clear, CBO-910 @ 12:07 s/off. 10/5- WMSW-1470 @ 2:15 during KT/OC (WMBD off), KGBS-740 all NX @ 2:30, KOGO-800 @ 3:32 ID as "Ko-Go" on RS w/WPDA looped; WCNW-1560 RT/mx @ 4:12 & on but I went to bed. Back to 10/4, brand new WTRQ-1500 Warsaw, N.C. heard first night on air from 3:35 to 4:15 or so w/RT/mx & frequent IDs. 10/6- WHUN-1150 1:05-1:15 TT. 10/7- WSUI-910 11:10pm on RS. 10/8- Believe it or not, my first TA ever in Nice-1554 @ 10:42 w/fair signal, but gone later. 10/9- WNHJ-1580 r/c-TT s/on @ 12:03, but obliterated by WBBR-1580 RT/mx & SIDE from 12 until lam s/off. Earlier this date I heard KGIN-1210 non-D for tornado NX fighting WCAU until lam s/off. 10/10- WAFI-1660 r/c-TT had, 4:15-4:30. 10/11 - KXEL off, let's hope they go back to SM SP. Heard was a strong ZNSI-1540 AN, WCOX-1540 RT/mx 2:30-2:45 asking for reports, CJRS-1510 fighting WMEX AN w/WCAC off, CBZ-970 s/on @ 6, ID as Cee-Bee-Zed & giving ADT. KOKY-1440 ID during [redacted] @ 6:51am, & WVAK-1560 s/on-SSE @ 7:03. MM 10/12 spent DXing at Big Evans's, who is about 15 air miles from here, & a toll-free phone call to Rick Evans in Gary. Heard that AM were WGMF-1500 @ 12:05 during r/c-TT, CHLN-550 fair @ 12:07. WERC-530 good @ 12:10, & about 40 seconds of WOBW-1530 TT & ID & evident s/off @ 12:36. Also WAPA-680 "R. Wapa" perhaps AN for floods @ 12:52 in SS. Biggie of AM was KCRL-780 Reno on RS @ 3:50 to about 4:10 weak & real bad static, but enough for a report. Has anyone E of Indiana heard them yet? Much more DX, but I must use rest of space to mention moderate case of Aurora tonight, signals from Cleveland, Minneapolis, Winnipeg, N.Y.C. weak or none, w/the normal 3 stations bombing in, especially WFRG-1600 w/FB @ 9:42pm. 73. (Report received Tuesday 10/20 -ERC)

HARRY L. HELMS Jr. - Box 111 - Clark Howell Hall - U. of Ga. - Athens, Ga. 30601

Howdy y'all. Not time to DX lately, & the CX around here would seem to rule out the possibility of any serious DXing. Neon & fluorescent lights, plus a dandy X-Ray machine at the Geological Research Building behind my dorm that effectively wipes out the whole ECB! Many thanks to all those who reported WBSO; we may try to do another TEST this Winter. I feel I must take exception to Fish's comments in the 10/18 DX NEWS. To the best of my knowledge, I know of no rule that prevents a DXer from signing a verification. In case anyone should be worried over the validity of a WIXR or WBSO verie, rest assured I can furnish written proof that I was indeed authorized by that station to issue verifications. I also have a list of about ten names, consisting of DXers whose reports I did not verify. Among these ten were two in well-known DX clubs (not NRC or IRCA). I processed over 125 reports, & have yet to hear a complaint to my issuing veries. Believe me, I did it only because the stations would not TEST unless someone else answered reports. I [redacted] that had a similar policy been followed in regard to KECE, a lot of hard feeling could have been avoided. And as far as the veries go, I feel I was much more stringent than the average CE & applied perhaps unduly high standards to the reports - but no one received an "automatic" verie. If I have done something wrong, please tell me. But why hasn't anyone complained until now? 73s & good DX.

DONALD E. ERICKSON - 6059 Essex Street - Riverside, California - 92504

The Domestic Contest looks real interesting this year. Anyone who'd like the set of 12 Ernie Wesolowski LSR/LSS maps for contest calculations, there are plenty available. Just drop a card. Likewise for Father Jack Pejza's Worldwide SR/SS maps. Also, for those checking on inactive f/c's for Russ' DDXD who would like a copy of the IRCA f/c list for cross reference, let me know. As Joe Worcester mentioned previously, copies of his article on Shielded Ferrite Loops are also free. KCRL-780 is now on RS & really packs a wallop in So. Cal. 73

RICH HEALD telephones in a hot tip that WLIB-1190, N.Y.C. is silent, due to a strike of their employees over the firing of a union newsmen. Twilight DX on 1190 is now possible!



NANCY GANTZER - 67 Liberty Street - Fredonia, New York -

I had a great time down at the Convention. I won't comment on what I enjoyed most. Since I've been home I've done the following DX: 9/27- WIBC-1070 @ 7:30-8pm. 9/28- 7:09-7:15pm, WFAX-1220 Va., WINR-680 N.Y. @ 8:27, WMCA-570 N.Y. @ 8:40, WKBN-570 O. @ 8:55. 9/29- 3/off of WLOA-1550 Pa. @ 7:30. 9/30- WTHM-1530 Mich. @ 7:10pm & 7:57 s/off of WEUP-1600 Ala. 10/5- ZNS-1540 @ 7:30-7:54pm, & WBSO-1550 S.C. @ 8. 10/7- WADQ-1540 s/off @ 6:40pm, & 6:45 s/off of WZUM-1590, Pa. Does anyone know the location of WSV0-1550? I heard their s/off @ 7:45pm but they didn't give frequency or location, & they aren't listed in the NRC Log. There won't be any DX done here for a while. One night last week I was turning the dial, went a little too far, & snap! Now all I can get is 550. I took the radio into the repair shop today & they said it will take about two or three weeks to fix. Best of DX to everyone else, though. 73.

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

Not much DX this week, without many TESTS to try for I don't have the incentive to stay up. But I did hear some DX. 10/12- CHLO-1570 in well @ 11:10 pm w/rr, as strong as last March when the change from 680 was made; WELI-960 in well @ 12-12:15am w/r/c-TT. 10/13- WKNE-1290 heard @ 11pm s/off-SSB, at first it was stronger than WHIO but quickly faded under; 11:46pm a tone & mx was heard on 560 at the listed time of WCKL but no ID was heard. 10/16- WLYB-1250 was heard @ 11:24-11:33pm w/r/c-TT, ID every minute & very tough to copy due to weak signal, & WTAH. No veries this week. C U later.

FRANKLIN E. SMITH Jr. - 423 Chadbourne - U. of Mass. - Amherst, Massachusetts

As this is the first time I've Mused, I guess I'd better give an introduction. I am a 23 year old disable Navy vet who is currently attending the University of Massachusetts. I've been DXing for about two years. The RX is an HQ-149-X with the Mosely SWL-7 antenna. My totals are about 150 stations in 32 states & five countries. I spent some time at the dials this last MM & caught the following, all these 10/12: CFCO-630 Chatham, Ont. @ 2:03am w/WPRO off, CHUM-1050 Toronto @ 3:53 w/WHN off, WIBC-1070 Indianapolis @ 3:45 w/CBA off, also two graveyarders WSLR-1350 Akron @ 4:18 real strong, WSPD-1370 Toledo @ 4:33. The NRC Log is great! Now how about the long-promised Loop Kits? If anybody is down by the U. of Mass., stop in at Chadbourne House & we'll rap on DX. 73 & Peace. (Welcome to the NRC, Frank! We hope you'll Mused often. But 1350 & 1370 aren't graveyard frequencies - 1230-1240-1340-1400-1450-1490 are -ERC)

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

It has been so long since I last sent in a Musing I think I qualify for a suit of non-support. Actually things have been so slow though I have only a few new catches. On 7/13 WMHC-1340 Conn. @ 2:01am. On 7/20, WINR-680 N.Y. @ 11:28pm w/Nets EB. 8/22 Saw a double with WJBC & WHCO both 1230 @ 12:28am w/Cards EB. 9/5- WMOV-1360 W.Va. @ 4:45am w/f/c. CE welcomes reports & will verify all correct reports. 9/14- CHAM-1280 blasting in over the two Frenchies @ 1:08am, my 190th Canadian logged. 10/5 saw WMMW-1470 Conn. @ 1:07am testing. Veries in from WMMW CHAM WMOV WJBC WINR WNHG GREF WMGW, for a total to date of 2,398 out of 2,534 logged. I am looking forward to hearing from a lot of you fellows who want to try your hands at the new Domestic Contest. We ironed out the details last year, and feel that this is about as fair a contest as can be put together. When you submit your entry, please let me know just where you will be DXing from, and the type of equipment you will be using. This way I can set up a few factors beforehand. And submit your entries from time to time so I can keep a report going to HQ, on the standings. I hope to see a lot of you DXers enter, it costs only a half a buck. So far I have received TWO entries. Go get 'em Tiger!

"AN" SITUATION

ON - 1350 W K L X AN-6, off MM 12-6am

HEARD SINCE LAST ISSUE

1360 W K L X Ex-WCVU, Portsmouth, Va. 1560 W T R Q Warsaw, North Carolina

As we go to press, WLIB-1190 is still silent, dur to the strike of their employees

# PATTERNS

PART II-A, by PAUL HART

In Part 1, a simple method for calculation of EQP's from antenna patterns was presented and illustrated. No consideration was given to the errors that might affect the accuracy of these calculations.

Part 2A will present the first half of the discussion of the specific factors that affect these calculations. It must be kept in mind that the EQP values are used to compare the performance of stations using patterns to those transmitting non-directionally.

The EQP proposition will be defended by attempting to prove the following:

1. A more accurate picture of a given station's expected strength will be obtained if the EQP figure is used instead of the carrier rated power. Specific restrictions may be applied to assure this condition.
2. The errors in using EQP values are consistent with the errors now accepted in using power ratings from the log.
3. Where objectionable errors are encountered, they occur so rarely and are so unlikely to affect practical results that they may be disregarded. (These errors must be fully evaluated and understood, however).

This discussion will present supporting information from the FCC view, that is, in accordance with the engineering specifications in Part 73. This should not imply that the FCC provisions are being represented as above challenge - some informed experts disagree with the FCC Rules in some areas.

In order to present the possible objections in the most direct fashion, questions or statements will be made, followed by the explanation:

1. The calculations may be subject to large errors, as in most cases, DX'ers are hearing skip coming from the antenna at high angles, and the pattern indicates signal intensities at ground level only.

This is the most telling argument against the use of patterns because within some definite areas of experience, the calculations are subject to significant errors. This question is so complex that Part 2B is devoted to an in-depth discussion of it. The detailed discussion required cannot be given without development of much information that will come from answering the other questions first, so let's look at them now:

2. In Part 1, the statement was made that power alone is not enough to characterize a station's output, but then a calculation is made that results in an EQP figure in watts. How can this contradiction be explained?

Another question is implied here, so it will also be asked:

3. Different stations have different antenna types and efficiencies. Won't that distort the calculations comparing one station to another?

A value directly from the pattern in MV/M is undeniably more accurate than the EQP calculation. The EQP calculation is useful, however, because it is subject to no more serious error than the DX'er accepts every time he rates a station by the power figure given in the log book. In addition, the EQP figure is one that has immediate meaning to every DX'er, and is therefore much more useful from the practical standpoint.

The FCC requires certain minimum values of antenna efficiency as discussed in Part 1. The requirement is stated in MV/M/KW. This means that for each kilowatt of transmitter output, the station must generate a certain minimum level of field intensity at 1 mile on the ground. These regulations apply to non-directional and directional antennas alike. For directional antennas, the efficiency value is obtained from the RMS field, scaling if necessary to obtain the 1 KW value.

The minimum requirements from Part 73, 73.189 are as follows:

- (1) Class IV stations, 150 MV/M/KW.
- (11) Class II and III stations, 175 MV/M/KW.
- (111) Class I stations, 225 MV/M/KW.

Class IV stations are almost exclusively assigned to local channels. Those very few on regional channels meet (except in one marginal case) the minimum for class II and III stations. Nighttime patterns are not used in the United States on local channels (at least not yet) so the minimum FCC-allowable antenna efficiency that will appear in the EQP calculations or in comparative non-directional stations is 175 MV/M/KW.

Stations usually have the option of building antennas of much higher efficiency than the minimum requirements. Some stations have built very large antennas to get the last drop of radiation possible out of their assigned power. As a matter of interest, the most efficient antennas now operating in the United States are as follows: \*

1. WNBC-1290 324 MV/M/KW (daytime non-dir. only)
2. KSTP-1500 318 MV/M/KW (daytime non-dir. only)
3. KELO-1320 312 MV/M/KW (daytime non-dir. only)
4. KDKA-1020 297 MV/M/KW
5. WHO-1040 293 MV/M/KW

\* These values were determined from the NARBA list dated June 24, 1970.

Checking through the NARBA list, with very few exceptions, the maximum antenna efficiency encountered is about 270 MV/M/KW. For all practical purposes, then, the lowest and highest efficiencies we will encounter in pattern calculations are 175 and 270 MV/M/KW. The maximum possible error in power relationship is then  $\left(\frac{270}{175}\right)^2 = 2.38$ . This seems to be serious, but don't forget, exactly the same numerical error prevails using non-directional power ratings. The 175 and 270 MV/M/KW numbers used, after all, are efficiencies of non-directional antennas. Stations using patterns fall within these same brackets.\*\*

Did you notice the seeming inconsistency in Part 1? The non-directional antenna measurement for WGH-1310 was 420 MV/M using 5 KW. KRLD's strength to New Jersey was calculated as 2.7 KW with 400 MV/M radiated. Let's assume WGH's power now becomes whatever is necessary to generate 400 MV/M,  $\left(\frac{400}{420}\right)^2 (5) = (.905)(5) = 4.5$  KW. Both radiation levels are the same, but the power ratings are not. The ratio between them is  $\frac{4.5}{2.7} = 1.67$ , below the 2.38 maximum obtained above. The point is that errors of this type do exist, but they are in line with what we have been accepting all along. Maybe we just weren't quite so aware of it - hardly a good reason for judging the pattern calculations invalid. KRLD radiates a lot less than 50 KW toward New Jersey, and the number 2.7 KW is much more accurate than counting KRLD as a straight 50 KW.

#### VERTICAL PATTERNS

To set the stage for further discussion of the first question, we must consider the vertical patterns of non-directional radiators. Please refer to Figure 6a, which is a re-plot of the vertical patterns for antennas of  $\frac{1}{2}$  and  $\frac{1}{4}$  wavelength from Part 73, 73.190. These curves are dated May 4, 1938, but hopefully these antennas behave in 1970 the same as they did in 1938. The curves represent typically attained efficiencies on any bearing from the antenna, as a single element vertical radiator should generate an omni-directional field.

The vertical angle markings are in degrees on the left. The horizontal scale is in MV/M/KW at 1 mile. This chart compares two typical antennas each being driven with 1 KW. For both antennas shown in 6a, the maximum radiation level attained is at ground level, and as the angle increases toward 90°, the field decreases to zero (directly over the antenna). It is essential that the reader understand these curves and how to read them. The following examples are presented to illustrate:

\*\* With one exception, WKYC-1100. WKYC's antenna pattern efficiency (related from the RMS field) is 283 MV/M/KW. For stations with patterns, this one is in a class by itself.

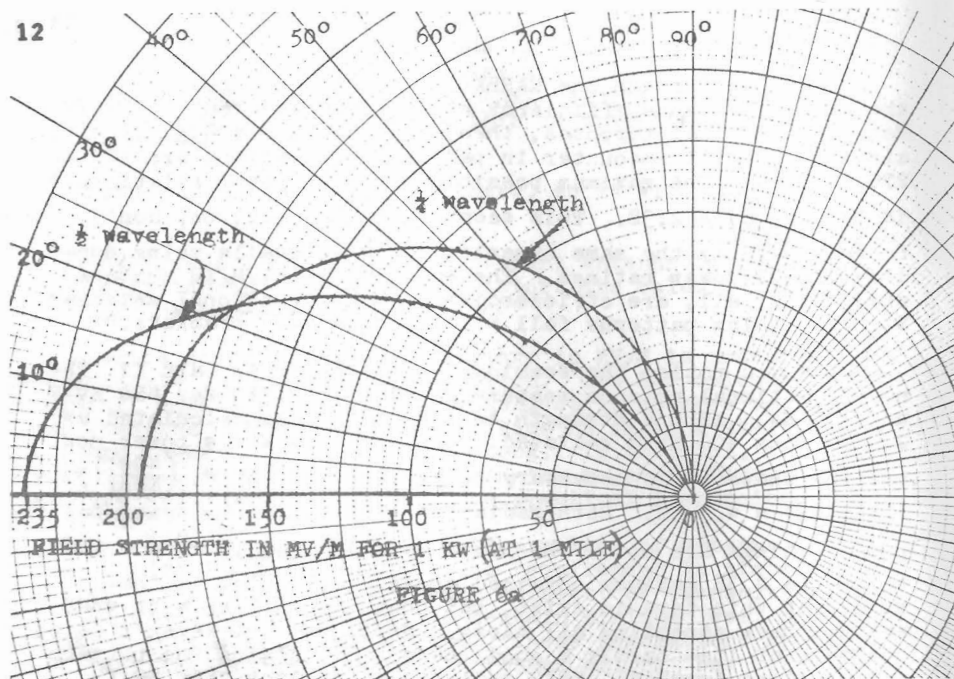


FIGURE 6a

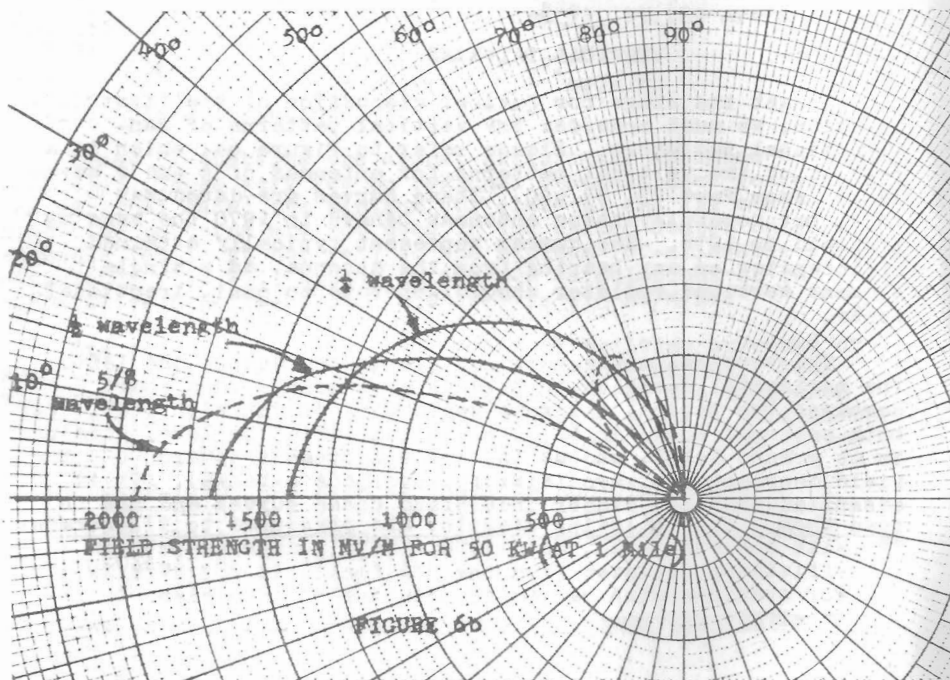


FIGURE 6b

- A. For the quarter wavelength antenna shown on 6a, what is the expected radiation level encountered  $40^\circ$  above the horizon, 1 mile from the antenna?  
Find the  $40^\circ$  elevation line at the upper left, and follow it down to the  $\frac{1}{4}$  wavelength curve. At the point of intersection (the  $40^\circ$  line with the  $\frac{1}{4}$  wavelength curve), follow the radial field strength line down to the horizontal axis and read 135 MV/M.
- B. If a  $\frac{1}{2}$  wavelength antenna radiates 236 MV/M at 1 mile for 1 kilowatt input, at what vertical angle will the 1 mile value be reduced to 200 MV/M?  
Find 200 MV/M on the horizontal axis and follow it up to the  $\frac{1}{2}$  wavelength curve. Follow the angle out to the scale markings and read  $17^\circ$ .

Figure 6b shows the curves of 6a scaled to 50 KW of transmitter output. The scaling factor is  $\sqrt{\frac{50}{1}} = 7.07$  to get to 50 KW from 1 KW. An additional curve for a  $\frac{5}{8}$  wavelength antenna is included dotted so as not to be confused with the other two. Antennas taller than  $\frac{1}{2}$  wave are primarily used by the 50 KW "clears", but some other stations do use them, as seen by the list of most efficient stations presented earlier.

Looking at these curves, it becomes obvious why the taller towers have higher rated efficiencies; they get more of their radiation "down on the ground". For revenue purposes, this is where the station wants it, but tall antennas are expensive to erect and maintain. Notice that a 50 KW transmitter driving a typical  $\frac{1}{4}$  wavelength antenna will generate a field of about 1400 MV/M at 1 mile, whereas the same 50 KW driving a typical  $\frac{5}{8}$  wavelength antenna will generate 1930 MV/M at the same 1 mile distance. The primary difference is in the amount of radiation at higher angles.

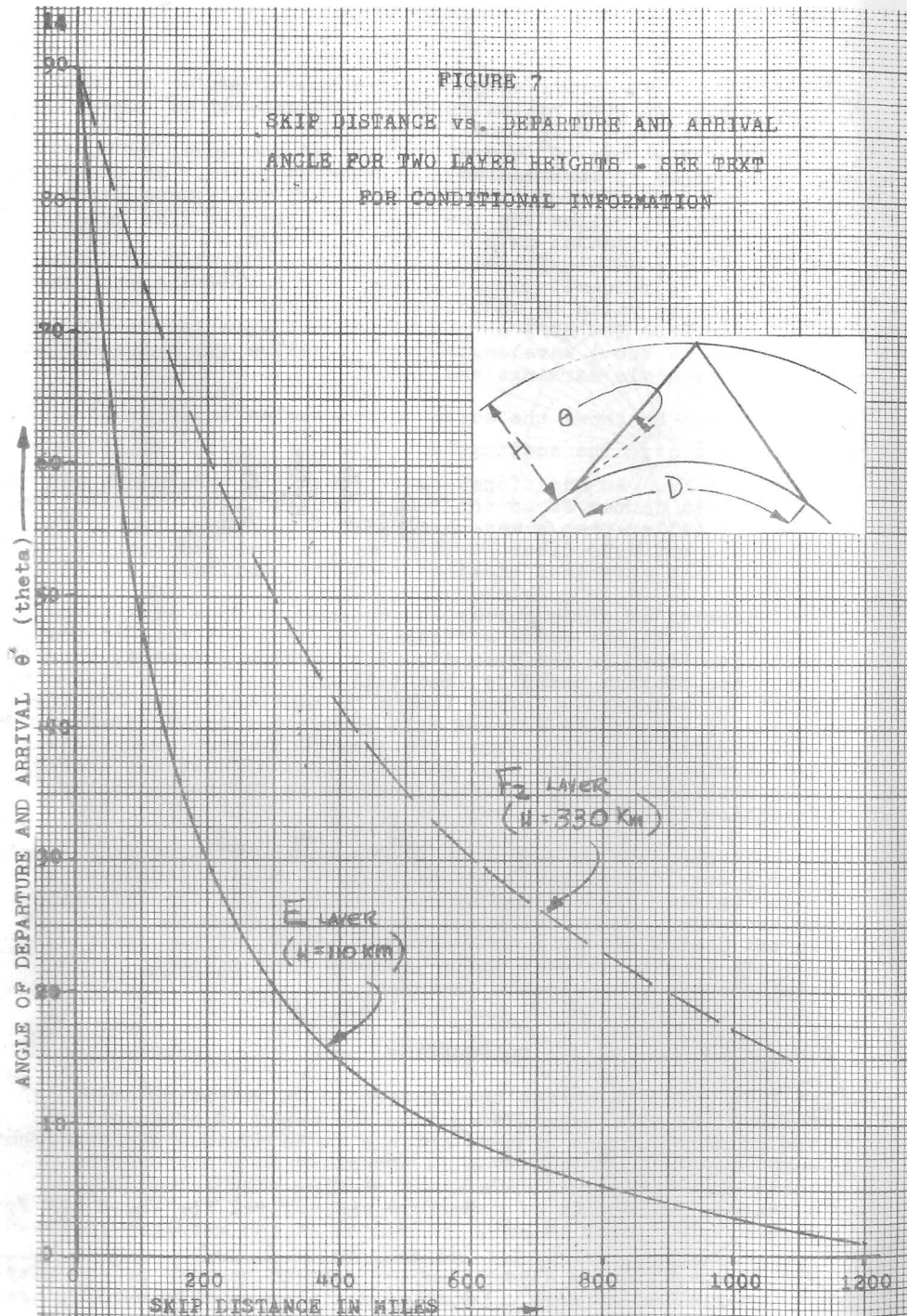
It can also be seen that as the antenna height increases over  $\frac{1}{2}$  wavelength, small secondary lobes begin to appear at high angles. These lobes can be a problem and are definitely undesirable. Practically all directional antennas in the United States use  $\frac{1}{2}$ ,  $\frac{1}{4}$  or shorter antennas. (Some stations use odd lengths between these limits). The majority of stations use  $\frac{1}{4}$  wavelength antennas.

#### PROPAGATION

In order to pursue the factors in DX reception even further, we must take a step into the world of propagation. The primary purpose of this article is to discuss patterns, but some propagation discussion is necessary to evaluate skip behavior.\*\*\* Figure 7 is a chart showing single-hop skip distances vs. angles of departure and arrival for the E and F<sub>2</sub> layers. The inset is an illustration of the geometry involved.

\*\*\* Propagation is a very complex subject because of the many variables at work. Detailed articles on this subject are planned for publication in DX NEWS.





The dotted line in the inset is an extension of the horizon line, and the angle  $\theta$  is the elevation at which the signal arrives. The "E layer" curve is taken from the FCC Rules, 73.190 Figure 6a, Curve 1. This is the chart the FCC specifies for calculation of interference signals; they consider E as the dominant mode of propagation. The "F<sub>2</sub> layer" curve is taken from THE ARRL ANTENNA BOOK (1968). For purposes of this discussion, we are concerned with behavior at relatively short distances (600 miles and less) and for this purpose, E layer propagation will be assumed. The F<sub>2</sub> curve is included for the benefit of those who believe that F<sub>2</sub> propagation is dominant.

Looking back at Figure 6b, notice that the crossover point between the  $\frac{1}{2}$  wavelength and  $\frac{1}{4}$  wavelength curves is  $23^\circ$ . For  $23^\circ$  on the E curve of Figure 7, read 270 miles as the skip distance. This means that comparing equivalent antennas driven with the same power, the  $\frac{1}{4}$  wavelength antenna will skip more energy back down at distances under 270 miles. For distances over 270 miles, the  $\frac{1}{2}$  wavelength antenna will skip in more energy. The longer the skip distance, the lower the angles of departure become, and the greater is the advantage of the taller antenna. Now it is obvious why the little lobe on the  $5/8$  wavelength antenna is so undesirable, it peaks at  $60^\circ$ . From Figure 7,  $60^\circ$  corresponds to a distance of about 60 miles. This is well inside the groundwave coverage area for most stations using antennas of this height. At night, the skip-in of this skywave signal can cause severe selective fading. Stations using tall antennas try to suppress these minor lobes as much as possible for this reason.

We have considered the vertical patterns for typical non-directional antennas operating on the broadcast band. The next step is to determine whether or not the vertical patterns of stations using horizontal patterns behave like the vertical patterns of non-directional antennas. Part 2B will examine this question with exhibits of the vertical patterns for WQXR's nighttime antenna, and the fantastic 25 KW 12 tower nighttime proposal for WISN in Milwaukee. To complete this section, let's present the remaining questions.

#### MORE QUESTIONS

4. Patterns change, it is impossible to maintain the original performance. At any given time, won't the actual radiation be different from information shown on the chart?

The originally specified pattern must be maintained if a station is to keep its license. The following paragraphs are from the FCC Rules in Part 73:

73.52(b) "In addition to maintaining the operating power within the above limitations, stations employing directional antenna systems shall maintain the ratio of the antenna currents in the elements of the system within 5 percent of that specified by the terms of the license or other instrument of authorization."



73.67(6) "The indications at the transmitter, if a directional antenna station, of the common point current, base currents, phase monitor sample loop currents and phase indications shall be read and entered in the operating log once each day for each pattern. These readings must be made within two hours after the commencement of operation of each pattern".

Patterns do vary slightly with time, but the errors encountered are not usually serious. The FCC's requirements for complete re-characterization of patterns varies widely from station to station. A provision that is developed in Part 2B is not to accept any more than a 500:1 reduction in power relative to the station's rating. This also helps here to insure that errors are not made as a result of changes in very deep patterns.

5. Even though the FCC record is public domain, the cost of obtaining the patterns from Cooper-Trent makes them unavailable to the individual DX'er as a practical matter.
6. If the bearings determined from a station to the listener are in error by more than about  $3^{\circ}$ , serious errors may be encountered in the EQP calculation. Determination of bearing angles over moderate or long distances to this accuracy is difficult and time-consuming.

Part 3 will present the proposal for providing DX'ers with pattern information, which answers questions 5 and 6. Once the remaining problem (vertical behavior) with patterns has been examined in Part 2B, we will be able to proceed.

## Exporting sound

**T**HEEN IDOL Tony Prince signals his engineer as he spins rock records over popular and profitable Radio Luxembourg. Foreign firms sponsor the broadcasts on the privately owned station, which boasts a wide audience throughout Europe, a continent served largely by government networks.

Radio Luxembourg, the noisiest, brassiest radio station in all Europe, and a strangely incongruous phenomenon to find thriving in so quiet a country. It broadcasts in 11 different languages, on AM, FM, short-wave, long wave, and medium wave. Its main transmitter, 600,000 watts strong, carries its cheerful voice throughout Europe and North Africa, and deep into the Communist bloc. Its English-language disc jockeys call it "Radio-Lucky-Luxembourg"; its staple is rock music.

It was not always so cheerful. During the dark years of World War II, the Nazis seized Radio Luxembourg and used it for propaganda. One of its best remembered and most hated programs was that of a renegade English-language broadcaster named William Joyce, better known as Lord Haw Haw. His commentaries were among the most vicious poured out by the Nazi war machine. After the war Joyce was arrested, taken to London, convicted of treason, and hanged.

reprinted from  
National Geographic



("1540...WABC!")

BROADCASTING, Oct. 12, 1970

**Equipment & Engineering****FCC asked to ease modulation proposal**

An FCC proposal aimed at preventing radio transmitters with excessively powerful modulators from producing interference received qualified support from some broadcast organizations last week.

The rulemaking proposal issued by the commission last May suggested that positive modulation should be limited to 100% to reduce the potential for interference with other stations—particularly co-channel and adjacent-channel operations (BROADCASTING, May 25). The present rules limit negative modulation to 100% but set no limit on positive modulation.

RKO General agreed that positive modulation peaks should be limited but said the 100% limit is an "unduly harsh remedy." It suggested an upper limit of 130% to allow the broadcaster to exercise his discretion and "sift all factors affecting limiting and compression of AM modulation." Factors such as the type of music, how it is recorded, the type of audience sought and the practices of competitors must be considered in addition to technical criteria in developing a high-quality signal, RKO said.

The Association for Broadcast Engineering Standards Inc. told the commission that modulation of 115% on positive peaks would be a more practical limit. This feeling was echoed by Westinghouse Broadcasting, which noted that signal deterioration is not excessive at 115%.

The Clear Channel Broadcasting Service—which comprises 11 independently owned class I-A stations in large markets—said it shared the commission's concern with "souped-up" modulation. It supported the 100% level "since the

modulation levels of clear-channel stations cannot be arbitrarily increased without increasing the distortion of their signals, due to selective fading in secondary service areas."

In their joint comments seven AM outlets said the commission should withhold action on its proposal and "institute an inquiry into the advisability of imposing restrictions to curb undesirable [broadcasting] practices..." They added that "available data" indicates that limits of 100% to 115% may be used.

The AM stations filing these comments were WOKO Albany, N.Y.; KOOL Fort Collins, and KTLK Denver, both Colorado; WSLR Akron, Ohio; and KLNQ Omaha, WJAG Norfolk and KVSH Valentine, all Nebraska.

Gates Radio Co. said the 100% level would be "detrimental to quality AM broadcasting and would place a limiting factor on improvements in the state-of-the-art." The commission's present rule, Gates said, provides sufficient control for protection of co-channel and adjacent-channel interference.

via rf

WABC



October 20, 1970

Mr. Ernest R. Cooper, Editor  
National Radio Club  
438 East 21st Street  
Brooklyn, New York 11226

Dear Mr. Cooper:

Your letter of October 12 to our General Manager in which you make specific reference to spurious radiations of our signal has been referred to me.

I want to assure you that WABC is fully cognizant of its responsibilities as outlined in the Rules and Regulations of the Federal Communications Commission and appropriate steps had already been initiated to cope with these spurious radiations.

Your reference to the 10KW transmitter as a "stand-by junky transmitter" would be appreciated by neither the manufacturer, Continental Electronics, nor many major New York radio stations that have similar transmitters. I am sure you are aware of the fact that spurious radiations are not necessarily the fault of a single transmitter.

We did welcome the visit of two members of your club to our transmitter plant in Lodi. Our transmitter engineer, whom they met, relayed to me their appreciation for the opportunity to see our operation as well as their words of commendation. Our welcome is always extended to any member of your club, including yourself.

WABC has become accustomed to the many letters of praise, so you can be assured that letters of a critical nature receive careful attention. We operate in the interest of the public so it is to our benefit when listeners respond either favorably or unfavorably.

Sincerely,  
  
Winston H. Loyd  
Chief Engineer  
WABC Radio

/lkf



SATURDAY AFTER Thanksgiving Get-Together and Freakout

NOVEMBER 28, 1970 12 Noon — late night (early am.)

DX session

on beautiful Cape Cod.

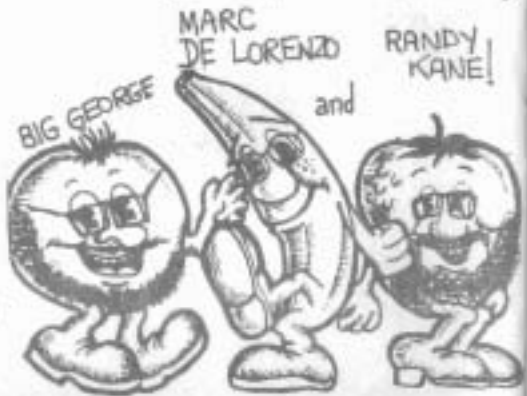
MEET YOUR DX friends! And others!! Yes, Lads, it's folks who presented by the same brought you "ROOM 223",

It's at 35 Sylvan Dr.

IN HYANNIS MASSACHUSETTS 775-3533 ask for Peoria.



CALL MARC WHEN YOU GET TO HYANNIS.

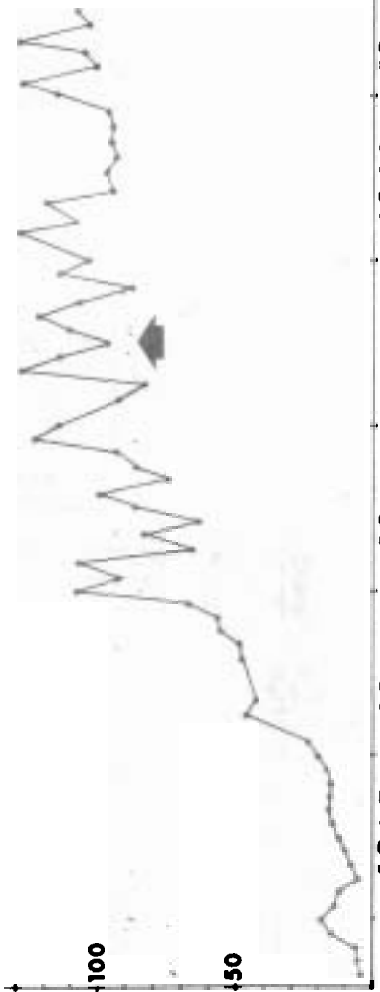
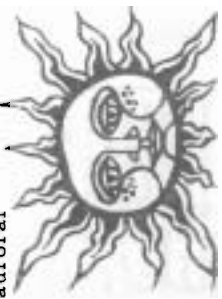


# BCB DX DOOMED?

- Gordon F. Nelson

While the quality of MW dx on individual days has no correlation with daily sunspot number, there is a definite connection between the sunspot cycle and general MW conditions, especially on high latitude paths. This connection arises because of the tendency for geomagnetic/auroral activity to increase during the higher parts of the 11-year sunspot cycle.

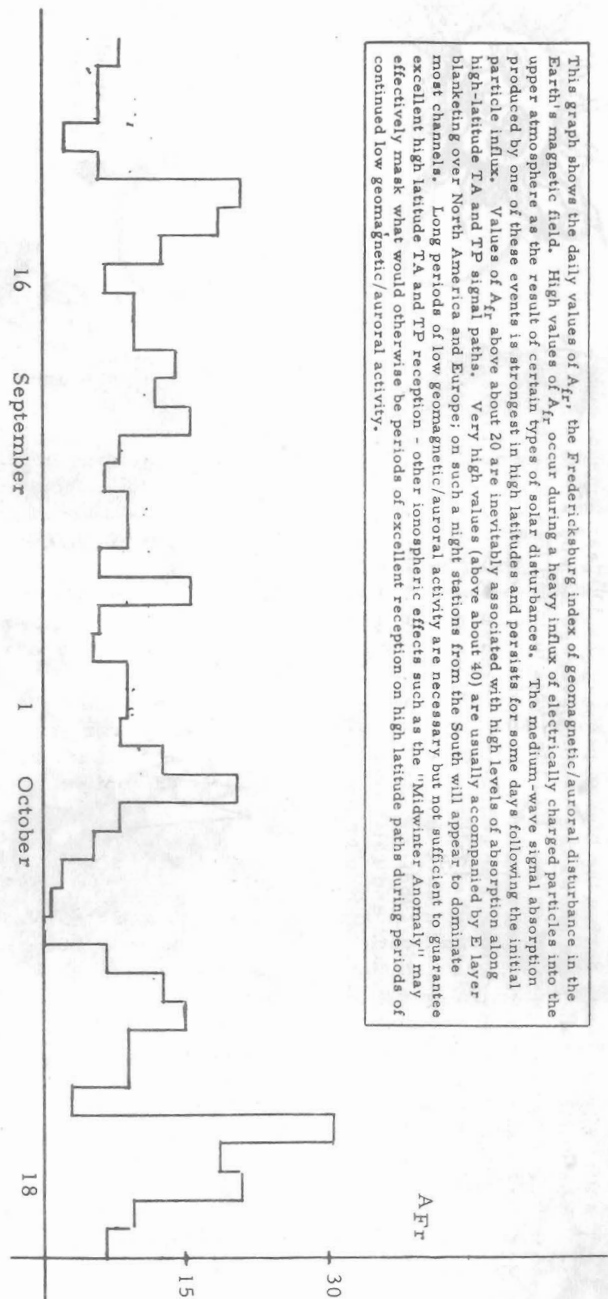
The graph on this page shows the monthly average sunspot count since the beginning of the present cycle. Had the cycle behaved in a "normal" way, the peak would have been reached in the middle of 1968 and we would now be well on the way down. For completely unknown reasons, the present cycle is "stuck" - instead of falling off as most past cycles have, this one is staying very high. We have indicated where we would be if the peak had indeed occurred in mid-1968; instead it would appear that we'll suffer yet another year of frequent and relatively intense auroral/geomagnetic activity, and a severe Midwinter Anomaly starting in a few weeks. LA's, anyone?



We should be here now

1965 1966 1967 1968 1969 1970





This graph shows the daily values of  $A_{fr}$ , the Fredericksburg index of geomagnetic/auroral disturbance in the Earth's magnetic field. High values of  $A_{fr}$  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  $A_{fr}$  above about 20 are inevitably associated with high levels of absorption along high-latitude TA and TP signal paths. Very high values (above about 40) are usually accompanied by E layer blanketing over North America and Europe; on such a night stations from the South will appear to dominate most channels. Long periods of low geomagnetic/auroral activity are necessary but not sufficient to guarantee excellent high latitude TA and TP reception - other ionospheric effects such as the "Midwinter Anomaly" may effectively mask what would otherwise be periods of excellent reception on high latitude paths during periods of continued low geomagnetic/auroral activity.

DX conditions continue to be primarily auroral - especially since the disturbance of the 15th. TA's are considerably poorer than this time last year and it remains uncertain whether we will experience the usual period of excellent October cx before the Midwinter Anomaly hits within a few weeks...



## INTERNATIONAL DX Digest

### REPORTEDLY IN OPERATION

IRAN. Gorgan Radio's new 10 kw transmitter began operations on 9/7 on 1426 kHz. (Editor) Already heard in Sweden. (Arctic)

SYRIA. From 1900 GMT on 9/16 most of the scheduled Syrian home service programs were suspended and replaced by "Voice of the Palestine Revolution" broadcasts. The latter ended at 2215 on 9/16 and Damascus radio resumed its normal schedules to s/off 2235. On the 17th, Damascus radio's "Voice of the Palestine Revolution" began at 0530 and thereafter remained on the air continuously, night and day, announcing that it "would continue broadcasting until victory" and using up to eight channels. On 9/21, for the first time since the 17th, Damascus Radio suspended the V.P.R. broadcasts at 1500-1600 and 1800-1900 to carry Damascus home service news bulletins. Apart from these interruptions, the "Voice of the Palestine Revolution" remained on the air NSP and used all scheduled Damascus home service frequencies. At 0800-1200 on 9/22 Damascus Radio divided the frequencies into two groups; 957, 863, 782, and 746 carried regular Damascus home service, while 566 and 665 continued the V.P.R. broadcast. At 1200 all freqs resumed V.P.R. programming. Both Glenn Jacobs and I heard 746 and 782 during this period running AN; did anyone get any of the other channels? (Editor)

CEYLON. The second 50 kw CBC outlet is now operational from Weeraketiya in the south of Ceylon on 600 kHz, relaying Sinhalese home service. The 25 kw station formerly at Kandy will be used for tests of a station at Galle. The English commercial service station is on 620 kHz and not 640 as listed in WRTVH. (NZDXRA)

### CLANDESTINE AND PIRATES

KOREA? A station broadcasting in Korean and calling itself the "Voice of the Revolutionary Party for Reunification" (Tongil Hyongmyong-tang Moksori) has been heard on 1115 kHz. The station has been heard to announce that it was on the air "two hours daily" and announced frequencies of 950 and 4360 kHz. The programming is reportedly similar to that from "South Korea Liberation Radio" which went off the air in March of this year. (Editor)

NEW ZEALAND. Radio Hauraki has resumed operations but with much weaker signals than before. (NZDXRA)

### PLANNED OPERATIONS

SUDAN. The government has announced that it is drawing up specifications for a 1,500 kw station designed to cover the entire Mediterranean area. (Ed)

ALASKA. KJNP-1170 will increase power to 50 kw in October according to a QSL recently received in Sweden. (ARC)

## Members' Loggings:

Bob Foxworth, GPO Box 2111

New York, N.Y. 10001

"1480 - SHARJA"  


Receptions: (All times in the IDX section are in GMT. Deadline Wed. AM's.)

- 584 Spain. RNE Madrid 9/28 0210 with opera-type mx, weak but clear. (Sundstrom)
- 620 Dom. Rep. HISSD in well 0215-0220 10/4 fairly strong u/WVNJ whose xmt is only 5 miles away. (Edmunds, NJ)
- 665 Portugal. Lisboa I at 0130 9/28 in Port. with exc sig. Mostly talk but had some pop mx. (Sundstrom, NJ)
- 683 Spain. RNE Sevilla 0130-0200 10/5 with mx thru QRN, not particularly strong. Also hrd from 2300 on in eve, but none outstanding, were 665, 764, 782, 818, 845 and 1554 signals this date. (Sundstrom, NJ)
- 719 unID. 2325 9/27, sig looped ENE with "Let it Be" in Eng at tunein, into more foreign lang pop mx with ancts. Weak and het from 720, faded 2400. (Sundstrom) (Did you catch lang used? Am wondering about possibility of RFE xmt nr Munich which carried Western pop mx and Czech ancts when hrd from Munich several years ago. Or, perhaps Portugal as you guess. ed.)
- 750 Nicaragua. YNX Managua 1205-1215 10/8 way over WSB. No ads hrd but lots of IDs with "equis ..". (Oldfield, Alta.)
- 760 Hawaii. KGU Honolulu was strong all week 10/4 to 10/12 from 0630 on, u/o WJR then and was way over WJR by 0715. Had news, sports and mx but none of it was Holiday Inn stuff. (Oldfield)
- 764 Senegal. Dakar 2315 9/27 with Afro mx thru WABC splash. Weak but clear when WABC quieted down. (Sundstrom)
- 771 Costa Rica. TIW San Jose at s/off 0600 10/11. Weak against the rest on 770. Wish they would return to 775. (Conrad, Fla.)
- 780 Br. V. Is. ZBVI, Roadtown weak, briefly, 0858-0903 10/6, with news and ads at 0900; unn. (Oldfield)
- 780 N.Z. 4YA, Dunedin 10/5 0932-1004 fair with some deep fades. End mx at 0932, talk about flag and anthem of N.Z.; play to 0904. Not hrd since 1960. (Oldfield)
- 782 Portugal. CSE-9 Miramar at 2315 on 9/27 with talk. Weak at first, stronger by 2330. At this time, the only other TAs showing were traces on 737 and 1554. (Sundstrom, NJ)
- 818 Egypt. Batra II 9/29 2330 with talk in Arabic over Andorra. Good audio and noted a het. (Sundstrom)
- 830 Hawaii. KIKI over a very weak unID SS in unexpected virtual absence of WCCO. Mx varied from uptempo MoR to hard rock in an apparent loosening of formerly rather formatted Top 40. Noted 0700-0730 10/17. (Murley, Cal) KIKI strong all week 10/4 to 12. Times same as were for KGU, but even stronger, and cut WCCO to pieces. Was in Japanese but rock mx in Eng after 1000. (Oldfield)
- 834 Br. Honduras. BHBS Belize at 0200 10/12 with opera. (Sundstrom)
- 844 unID. Only a strong het here. (Oldfield) (Undoubtedly Tarawa here, John)
- 845 Italy. RAI Rome 0220 9/28 with light cl mx thru ID by woman at 0230. Later, still good sig at 0400 check. Also at 0200 10/4 in well. (Sundst.)
- 860 N.Z. 1YZ Rotorua was // 4YA-780 but weaker and under the jumble from LPRT OC's whistles. Was Zedder #5, hrd on 800 in 1960. (Oldfield) (RJE)
- 860 Dom. Rep. Radio Clarin, HILR in well 1240-0250 10/4, mostly over CJBC.
- 870 Hawaii. KAIM alone in the noise with XEMO splash looped 0740-0800 on 10/19. IDed by TC in HST; most of their background mx was covered by noise. Was WWL silent this morning, or just inaudible here? (Murley, Cal) KAIM o/u WWL Oct 4 to 12, soft mx and relig pgms. Best 1000-1010 s/off with very long instrumental SSB. (Oldfield)
- 870 Japan. JOLB Fukuoka hrd 1205-1240 10/6. Strong with some fades, clear channel. Songs to 1230 then talk to 1240. Best tape ever of my 7 japs and the first asian this season. (Oldfield)
- 890 Fiji. VRH3, Lautoka 0906-0926 10/5 with fair sig, songs in Hindi. Was louder than last this, this time enough for a report. (Oldfield, Alta.)

- 890 Australia? Hrd 0924-0940 poor on 10/5, talk in English voice as Fiji faded. Who else but 5AN Adelaide? (Oldfield)
- 900 Alaska. KFRR Fairbanks under CJVI 0900 10/9 with brief "Voice of Alaska" ID. Unn but nice to log. (Oldfield)
- 910 unID. Looping slightly SE 0830-0900, English rock mx by SS ancr. IS was a couple low tones, then a couple high. Hrd 10/5 and slogan was "Radio Musical." (Rick Evans, Ind.)
- 919 Colombia. Em. Fuentes, HJAE Cartagena 0535 10/11 with much Tropical mx and IDs after each selection. Produces quite a het with 920 but is not often strong enough to really interfere with them. (Conrad, Fla.)
- 970 Hawaii. K-PUA was o/u CJYR to 0900 then over CJYR OC. Steady and strong but not like last year when they were semilocal. Live rock mx and was not // to KGMB-590. (Oldfield)
- 970 Mexico. XEDF was in with the domestics after local WJRZ s/off, hrd 0652 10/15. (Edmunds, NJ)
- 1020 Tonga. ZCO hrd weak to fair Oct 4-12 0930-1030 appx o/u slop. (Oldfield)
- 1025 unID LA 0230 10/12 with piano concert type mx mostly, with very few pop selections thru 0330. No ID hrd and too weak for loop bearing. (Sundst'm)
- 1040 Hawaii. KHVH newscast ment neighbor island hotel strike situation, over what I assume was Colombian usually hrd here SM's; WHO looped out as much as possible. Hrd 0802-0813 10/19. (Murley, Cal.)
- 1040 Brazil. R. Tupi for first time this season 10/11 0715 with much QRM de someone about 80 Hz off freq. Got one good "tupi" ID for tape in an hour of listening. Not so unusual a reception by itself, but Tropical in Bqia, Colombia was OFF for first time noted in a year at least. This is a great freq for all kinds of DX when it is clear on SM's. (Conrad, Fla.)
- 1041 unID LA. Het against WHO readable at times 0405 9/28 with some pop mx in Eng. Male ancr. Missed IDs at 0410 and 0430. ID at 0500 sounded like "...radiotelevision...San Tablos (or Taulos)...la music(a) popular" and also noted 0230 10/12 but went in mud. Loop suggests CA. (Sundstrom) (I agree with my esteemed colleague FJP; seems like Las Tablas, Panama; slogan should be Ondas del Carajagua-has been hrd from 1040 to 1045.-ed.)
- 1045 unID LA. Hrd 0440 9/28 in Spanish, weaker and mkre southerly (10 to 15 deg. bearing) than 1041, acc loop. Audio lost u/1050 splash. (Sundstrom)
- 1075 Costa Rica. TIFC San Jose, Faro del Caribe hrd 0239-0304 10/19 and taped ID at start of pgmg in Eng. Much fading; s-2. (Rogers, NH)
- 1088 England. Droitwich. BBC Radio 4 s/on 0525 10/9 with really good signal and good modulation. They used part of a symphony then signed on with Radio 4. The 1052 signal was just as good at same time but can't tape both at once, hi. (Conrad, Fla.)
- 1130 Hawaii. KLEI Kailua is rushing the Xmas season...or how else do you explain 20 minutes straight of Xmas mx in October? ID at 0730 'You're listening to the world's most powerful Hawaiian music station, Kay-Lay (I like that better than Kay-Lei, sorry Jay-ed.), 10,000 watts of power from Kailua, Oahu" followed by relig, 10/19. (Murley)
- 1170 Hawaii. KOHO's Jap mx most audible in spots, under looped KVOO, altho signal level generally poor. Loop bearings did confirm, unless WVVVA has really switched formats, hi. Hrd 0822-0848 10/19. (Murley) KOHO poor with Jap mx under KVOO 0900 10/8. (Oldfield)
- 1190 Colombia. unID here. Which one s/off 0605 10/12 with Colombian antehm? They were hrd w/quiet instr mx from WOWO s/off until they s/off. There were several IDs but too much QRN to understand. 3 or 4 listed here. (Conrad)
- 1203 Costa Rica. TIQ hrd w/Latin mx 0325 10/17, again 19th. (Rogers, NH)
- 1205 Sierra Leone. The IS of this stn is the first 2 bars of their Nat'l Anthem, "High we exalt thee, realm of the free". (Scrimgeour, Ont.)
- 1210 Colombia. La Voz Amiga HJFF was all alone 0620 10/12, requests and dedications. IDs as L.V. Amiga quite frequently. Much QRN. (Conrad, Fla.)
- \*\* 1210 Hawaii. KZOO hrd with female Japanese ancr and mx but often buried under WCAU who is now NSP. 0843-0910 10/19. (First I'd hrd about CAU-ed) There goes another MM clear. (Murley, Cal.) (Yes, CBS third qtr earnings were off 6¢ a share from 1969, Paley blames Broadcast Group, hi. -news item)

- 1212 Colombia. Radio Internacional HJBE Cucuta, seemed closer to 1211.8 here, with complete ID and s/off 0500 10/12. Very nice signal as usual. Was trying to check on the 1212.2 I hear occasionally, thus the close freq. (Conrad, Fla.) Very clear Todelar and R. Internac'l ID 0345 same date as above, nice signal. (Shannon, Pa.)
- 1225 unID. Hrd s/off 0600, female ancr, no ID caught yet. Seems to loop in area of Colombia. Maybe someone has an ID already. (Shannon, Pa.)
- 1259 unID. Carrier detected here 0230 10/18, had to use BFO to detect as was inaudible otherwise. (Rogers, NH) (Europeans-is VoA Rhodes possible then?)
- 1268 W. Germany. Neumannster hrd 0227 10/18, s-3 with German mx. (Rogers)
- 1342 Honduras. Radio el Mundo, HRH6 San Pedro Sula. Finally got a clear ID on this one after over a year of trying at 0410 10/11. They ID as "Radio el Mundo, San Pedro Sula". Signal is never really strong but is always there until their 0500 s/off, but not always the case as some s/off's are at 0600. Plays a blend of both Latin and No American type mx. I had thought this one might be HRME listed 1335 but they are still there. (Conrad, Fla.) (These 2 were rptd p.7 of the 7/15/67 IDXD -ed.)
- 1350 Hawaii. KTOH Lihue 0905-0915 10/5 with light rock. Channel was clear after CJDC and KRLC s/off. Sometimes from 0415 can hear some CKLB-WSMB-WSLR. This is strongest of all the Hawaiians so far this year. Last year they were quality music. They still seem to be automated. REW can you affirm this their format now? (Oldfield)
- 1380 Mexico. Radio Eco, XECO was almost alone 0537 10/15. (Edmunds, NJ)
- 1394 Albania. To most in the NE this one is a "pest" but had fantastic sig 10/9 0500 at s/on in German, perfect tape made. Modulation quality was unbelievable here. (Conrad, Fla.) Shkodra hrd 10/15, 2250 thru 2300 f/out, talk in Spanish. (Sundstrom, NJ)(Interesting; you list the WRTVH designation as the QTH for this one-which is in the NW part of the country; FBIS and other sources list Tirana. Wonder just where this one is?ed)
- 1413 Colombia. HJTJ La Voz de Cerete with beautiful signal and ID 0325 on 10/11, much tropical mx and many IDs. They are better here than they were when previously on 1393. Should be easy in the North during an aurora. Checked a couple of times since and they seem to be stable, msd more accurately as 1413.4 kHz. (Conrad, Fla.)
- 1420 Samoa. 2AP was equal to KCCN 0915 10/5. Fighting again..on a clear channel..unneded. (Oldfield)
- 1425 Greenland? AFRTS here/maybe. Strong het noted Oct. 11-12-13 0915 to 0940 but no audio broke thru. If Thule, first time in 2 years hrd.(Oldfield)
- 1440 Mexico. XELZ Mexico City. Very nice on an otherwise clear channel with several mentions of "Musica de Mexico" 0615 10/12. (Shannon, Pa.)
- 1470 Mexico. XESM in poor but readable u/domestics 0518 10/15. (Edmunds NJ)
- 1475 Nicaragua. Chinandega YNAG, Radio Cosiguina 10/11 0145 with the first clear ID I have ever heard from this one. Plays music much like most Nicaraguan stations with frequent IDs as R. Cosiguina and ment of Chinandega. Not nearly as strong as the Costa Rican has been here.
- 1500 Mexico. XERH, Mexico City, all alone on channel s-7 0508 10/15 (Edmunds)
- 1502 Poland. Warsaw just readable 0008 10/18 over background noise. (Rogers)
- 1515 Nicaragua. Leon YNCZ 10/11 at 0130 with complete Radio Progreso de Nicaragua ID and latin music. Very good signal for 1 kw but rough copy, next to WLAC. (Conrad, Fla.)
- 1520.5 Colombia. HJLQ Radio Minuto, Bqla - this is the latest freq for this widely hrd Colombian and hrd 10.11 at 0625 with Tropical mx, ID and TC between selections. (Conrad)
- 1540 Bahamas. ZNS Nassau "Music till Dawn" pgm noted 0610-0930 and at 0943½ went into a Creole church pgm for Haitians living in the Bahamas; lasted until 1000. QRM de WCOS Alabama ET 0620-50, slight WPTX and KXEL was silent for a change. (R Evans, Ind.)
- 1546 unID. Weak sig here 0005 10/18, not enough for audio. (Rogers, NH)
- 1554 France. Nice s-2 0002 10/18 with mx. (Rogers) Nice at 0155 9/28 with nx to 0200 s/off, when OC and some TT hrd. Pgm began again at 0400 s/on. (Sundstrom, NJ)

- 1560 Mexico. XEVIP Mexico City in Eng with network pgms and alone while the Cuban on 1561+ was off as were all Cubans this Am for about 15 minutes, per JKC call. Het is outrageous here when Cuban is on. (RJE, NJ)
- 1586 W. Germany. WDR was up to s-6 at times with Eng. mx 2340-0000 10/17 (Rogers)
- 1597 Dom. Rep. HIFA with mx 0155 10/18. Signal was s-8 at times and a better level than WUNR-1600 in Boston. (Rogers, NH)

No one reported any verifications. Perhaps this is indicative of a new trend?

Or could it just be a symptom of the fact that we are in a "recession" no matter what they keep trying to tell us in Washington this pre-election month?

Perhaps things are so bad...the stations can afford to verify even less than the DXer can afford to report. My advice is to include one 3-ounce bar or more, of 900-fine gold in your report...if you REALLY want the verification. hi.

I spoke with Rich Heald at deadline time and he advises of having heard YVRS-1020 with very good signals, also YSCF-1155 and HRQN-1145, both with commercials, around 0230 to 0235 on 10/21 during Auroral ex. (Sorry not in sequence)

Report from Thailand - Glenn Hauser

- 620 China. Pekin in Russian noted // 1525 at 1720 7/27.
- 625 Thailand. Stn here is Por Chor Sor 2-5, Lopburi, noted at 1259 with music, clock chimes, time check, local ID then nat'l news. 9/26
- 630 Thailand. HSKK, Khon Kaen, carrier on noted at 2247 8/4 and into a mx prelude prior to any ancts. This is a common practice in Thailand & Laos.
- 668 Thailand. Stn here ID something like Wor Por 2-5, march ID and ad after s.w.k.s.h.p.t. news, 1318 9/28. (S.W...acronym for Thai for Nat'l Bdcg.)
- 674 Qatar. Doha with Arabic anct after mx 1846 9/27, had 6-pip timesig at 1900, at 1931 anthem and off.
- 715 Thailand. Stn here is in Lopburi, noted at 1159 9/23 mentioning Changwat Lopburi in passing.
- 728 E. Germany. D.S., Woebbelin, talk in German 2007 10/1. Was one of the first TA's I hrd last fall when in Denver.
- 738 Thailand. A stn is now here, hrd 0804 9/27 with ID as on 738, after an ad. Was not "ror dor" but full name "raksa dindaen" = territorial defense.
- 840 So. Korea. HLYK on 7/23 at 1920 with pop mx, 1929 anct and IS. Now AN ??
- 975 Thailand. My local Wor Por Thor Saam (3) noted with an ID at 1354 7/25. I have visited this stn and found it "manned" by 2 very nice young ladies..
- 1125 Thailand. Stn hrd here relaying s.w.k.s. 909 (khao loi khao) (which is the 843 stn) at 1259 10/2 and had the same "sound" as 843 during the news relay from Bangkok which followed.
- 1130 Thailand. After long version of s.w.k.s.h.p.t. news, ID at 1329 10/2 as Por Chor Sor Lamrang. Also hrd daytime when I was in Chiangmai.
- 1140 Philippines. VoA, Poro sign off 1659 7/20 with Yankee Doodle variations.
- 1360 Ryukyu Is. KSBV with 12 sec IS every 30 sec 1955-2000 10/1 then Chinese anmts and pgms. Wonder why FCC doesn't require at least token Eng anmt.?
- 1380 Thailand. Army 4th infantry div., Phitsanulok, s/on with some distortion, 2235 8/4, then pgm summary.
- 1395 Thailand. Tor ror, s.w.k.s. (satani withayu kachaisiang), Tamruat, march and s/on by girl 2258 8/4; freq given as 1395.
- 1490 Philippines. DXOG, Ozamis city (Mindanao) s/on anmt in Eng 2058 7/17.
- 1599 Philippines. DZCH, Manila 1500 7/21 ID as 1600 AM and 102.5 FM (where I have also hrd them) then Starlight Serenade. On 7/25, same pgm with classics, inviting overseas requests (has hrd from Aust., Hong Kong, Vietnam) on hourlong pgm. Also ment getting "technical advice" so perhaps hinting at being off freq. S/off message at 1558. VoA and this the best and most reliable Filipinos here.

More from Glenn next week.





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Greetings, peoples. Once again we are here. Sorry for the breakup in the 10/10 issue, I suspect at least some of it was the fault of a slightly dry ribbon. This is a new one, tho' it doesn't appear to be of the usual quality and dampness, so I'll have still another new one next time. Here's hoping this won't break up. Now on to DX,

## midnight to sunrise

- 540 WETC-NC Had ET-TT 0030-0100 10/19, at first mistaken for WYNN's listed r/c which didn't show (RJE & Page Taylor, Butler, N.J.)
- 630 CHLT-Qu Hrd w/ Cubans all off briefly (tnx for tip JKC) 10/15 0225(RE)
- \*\* 780 KCRL-Nv RS nx, mx, PS anct., 0356-0420 10/12 w/ much static for state # 48. Suspect MM's only time for this. (Richard C. Evans, Gary Ind. ) Welcome to DDXD Richard, and we hope to hear from you regularly. -RJE
- 950 WWJ -Mi Good 10/3 w/ heavy QRM de WPEN 0015 (John Lombardo, Irvington, NJ)
- 1070 WHYZ-SC Had ET/mx to check out extensive lightning damage to a tower hrd 0026-0101 w/ 10k, 5k, & 50 kw., asking for reports, (Lombardo)
- \*\*1140 KLUC-Nv Running nights, incl. MM's, noted 0225 10/19 w/ Vegas real estate promo, & ID complete w/ studio loc., natch, as it's in a casino, and thus plugs trade off for rent, hi. (Jay Murley, Newpt. Bch., Cal) Welcome, Jay -RJE
- \*\*1210 WCAU-Pa Is likewise on MM's, so must be NSP, grr. (Murley) Gee, and Page can't even hear 'em at 100 miles due to geographical blocking locally ( see Rossier's article, 10/10 DXN ) -RJE S/off 9/1 in FF 0103½ (Edward Racis, Phila., Pa) Welcome, Ed, and please report often -RJE
- 1250 CKBL-Qu Hrd 9/1 0104½ after CKBL s/off o/WTAE,WDVA (Racis)
- 1290 WCCC-Ct Hrd w/ ET/OC 9/1 0214-0232 (Racis)
- + 1300 WTAQ-IL Is NSP (Evans)
- 1310 WLOB-Me Hrd MM 10/8 u/CKOY, 0320-0340 w/rr. (Racis)
- unID-Ca Hrd u/WRR MM 9/28 ard 0440, anct caught only said "...1310, California, Testing.." (Jerry K. Conrad, Haines Cy, Fla)
- \*\* 1340 WJPT-IL Noted ending f/c w/ c&w mx, a change from listing of format, 0200 10/19. (Jerry Starr, Youngstown, Ohio) Hm., I hrd it same dat w/ tones, ID's, but didn't get any mx,.... RJE
- \* 1350 WSMB-La Runs an AN pgm featuring comedy records, some a bit colorful, hi (JKC)
- 1380 WAOK-Ga Alone w/ soul mx, slight QRM de XECO, 0124 10/15 (RJE)
- 1400 WHIH-Va Hrd u/WOND w/ soul mx 0134 10/15 (RJE)
- 1440 WAJR-WV Hrd w/ test 9/2 0148 (Racis)
- WQOK-SC ET/TT & Dean Martin records 0200-0250+ 10/19 (Starr) So that's who the strong TT Page & I hrd was... (RJE)
- \*\*1460 KSO -Ia Noted AN 10/17 w/ Ozark Airlines good mx pgm. (Starr) Hrd 10/19 MM s/off 0117 10/19 (Page)
- \* WBNS-Oh Hrd w/ OC & ½ hr. ID's AN 10/17, mebbe a new SP? (Starr)
- \*\* 1470 WBIG-NC Noted AN w/ HI (JKC, Starr, RJE, Page)
- 1480 WMQM-Tn ET/TT/mx 0303-0345 tune-out also w/ OC 10/3 (Evans)
- X 1470 WMMW-Ct Had ET 0114-0153 10/5 (Lombardo)
- 1480 WAME-NC SID amongst the mess 0116 10/15 in quasi-auroral cx (RJE)

- 1490 WHSL-NC Hrd 0050 10/4 and AN (JKC)
- 1500 WDEN-Ga Hrd testing all AM Sept. 28 MM (4th) (JKC)
- 1520 WMTT-Ga Hrd w/ TT/ET after listed f/c over 10/15 to 0130 (RJE,JKC)
- 1530 KPCR-Mo Had ET/TT 0140-0156 o ff 9/29 (Evans)
- 1540 WCOS-AL ET hrd 0126-0153 10/11 u/ZNS w/ KXEL off (Evans)
- \* KXEL-Ia Off Sun AM 10/11 (Evans)
- 1550 WNTN-Ma ET/mx w/ underground rr 0000-0045+ 10/20 (RJE) Hrd same date w/ at least one polka record, or so it sounded (Page) WNTN? POLKA??? Horrors, I suspect some of the UG rr just sounded like polka.... RJE
- WBAZ-NY Hrd w/ ET 0204-0215+ 10/1 (Lombardo)
- WSHN-MI Had ET following r/c 0114-0149 10/3
- \* 1560 WTRQ-NC ET'ing prior to RS start late this month: 10/18 asking for reports 0015-0130. C&W mx, ID's every 5m. (Harold Cox, Forty Fort, Pa ((Welcome)), K.G.Scrimgeour, Starr, Rich Heald per phone) And, of course, I didn't DX that AM -RJE
- WCNW-Oh Hrd 10/5 w/ test, c&w mx, 0349-0354 (Racis)
- KRCB-Ia Noted ET/TT 0150-0201 10/9 ' (Starr)
- 1590 WETT-Md AN show on top 0230 10/19 (RJE)
- + 1600 WKVI-FL S/off 0105 nitely (JKC)

## sunrise &amp; daytime

- 550 WGGG-Ga Hrd LSR 0625-0635 9/24 (Lombardo)
- 570 WMAM-WI Hrd 1400 w/ ID, NBC nx, 10/3 (Craig Koukol, Naperville, Ill.) Welcome, Craig -RJE
- 580 WIBW-Ka Fair 1405 w/ mx pgm "Sunday in Kansas" 10/4 (Koukol)
- 630 CFCC-On Hrd 1530 w/ ID 10/4 (Koukol)
- 690 WAGO-WI Fair 1453 w/FB 10/3 (")
- + 1110 WKEG-Pa Began RS 9/26, mixture of pop & c&w mx, ADD: Box 86 (Starr)
- \* 1170 WHLW-NJ Hrd testing w/OC 10/1 & 2 1106-1130+ w/ good sigs. (Lombardo) Probably on lkw NDA instead of the 5kw DA array -RJE
- 1380 WNRI-RI Hrd s/on seconds before others on 9/20 0600 (Racis) Mostly ahead of WBNX, I suspect -RJE
- WGUS-Ga Hrd briefly just after WNRI s/on 9/20 (Racis)
- 1580 WPAC-NY Hrd 10/12 0701-0715 in clear until WNJH,etc. s/on. (Racis)

## sunset &amp; evening

- 540 CBEF-On Hrd 2030 w/FF nx 10/8 (Koukol)
- 570 WAAX-AL Hrd 2000 w/ "Wax" ID, nx, wx 10/8 (Koukol)
- WKYX-Ky Hrd 2014 w/ local traffic anct. 10/8 (")
- 610 WSGN-AL Hrd 2015 w/ ID, wx, pops 10/8 (")
- 790 WTAR-Va Hrd 2042 w/ ID, fair, 10/3 (")
- 910 CHRL-Qu Hrd w/ "R.Roberval" ID 2000 9/27, musta been late w/pattern change, as FFC's never hrd here (JKC)
- 960 WFIR-Va Hrd 10/8, 1835 (Lombardo)
- 1010 WSID-Md Hrd w/wx 1827-1830s/off 10/15 u/WINS (Page)
- 1050 KMIS-Mo Hrd 10/4 1820-1830 (JKC)
- 1080 WNWI-In Hrd @ 1915 s/off 10/9 (Koukol)
- 1110 WSWF-NY Hrd @ s/off 9/28 1917½, no SSB (Racis)
- 1140 WBZY-Pa Hrd 10/12 @ s/off 1842 o/wk WRVA (")
- 1210 WILY-IL 10/15 potent w/ MoR o/WCAU from 1928, apparently beyond 1930, w/QRM de late WKNX s/off (Page)
- 1250 WARE-Ma Hrd 9/25 @ 1835-45 o/WMTT (Racis)
- 1280 WEIM-Ma Hrd w/ top 40 & ad @ 1810 10/18 (Page)
- + 1320 KXLW-Mo W/ s/off 1931 10/16, sez now on w/ 5kw. (Starr)
- 1330 WBTM-Va Hrd u/ NYC-local 2135 10/18 w/ NBC Monitor & local ID as "The Big M" (RJE)

- 1370 WQOH-Ky Ad for general store in Grayson, alone 1840, indicative of quasi-auroral cx 10/16 (Page)
- 1380 WKY-Ky Hrd @ 1900 s/off 10/14 (Page)
- 1420 WMB-Tn Contest & promo 10/14 w/ ID 1833 (Page)
- 1440 WNPV-Pa Hrd bl LSS 1754 10/19 (RJE)
- 1520 WTLN-Fl unID Hrd u/WKBW w/rr to 1900 s/off 10/19 (Page & RJE)
- Hrd w/ c&w mx, before 1845 s/off, but faded under WKBW by then, looped south, so presume SC/GA, maybe WMMT? (PT/RJE)
- 1530 WQMA-Ms Hrd potent u/WKY w/ ID 1900 w/ WRPM QRM, this is early by at least 15m for when Ms. should be in. (Page)
- WOBR-NC Hrd s/off 1830 10/12 w/ QRM de WKY/WFIC (Lombardo)
- WFIC-Va In almost alone after above s/off 1830+ 10/12 (Lombardo)
- 1560 WFSP-WV Hrd 10/15 = to WQXR 1843. (Page)
- WGN-Tn Hrd ard 1845 w/ ID u/WQXR 10/19 (Page)
- WRIN-In Hrd 1915 s/off 10/12 (Koukol)
- 1570 WKOL-NY Potent @ 1844 10/19 s/off (RJE)
- WPGM-Pa On top w/ religion 1815-1827 s/off 10/19 (RJE)
- 1580 WLIJ-Tn S/off pulled out of QRN on tape replay 1845 10/19 (RJE)
- WCCR-IL S/off 1930, no SSB, but detailed annct. 10/13 (Page)
- KNIM-Mo 1942-2000 s/off w/ SSB 10/13, on air 15m past Oct. s/off time (Starr)
- WILA-Va Hrd 10/8 w/ soul mx, then s/off 1840-45 u/ WVKO, CBJ (Racis)
- KLTR-Ok Hrd 1918 w/ 2 ID's, weak, 10/12 (Koukol)
- 1590 WCBG-Pa ID bl LSS pwr. cut w/ rr 1829 10/19 (RJE)
- WARV-RI S/off 10/18 1800 w/ SSB by girls HS chorus (Page)
- \*1593.7 WDBL-Tn Hrd w/ annct. s/off 1916 advising of FM outlet, remaind on beyond 2015, but mcho distorted both 10/18 & 19. (Page)
- Obviously some XR problems, hi -RJE
- 1600 WMCN-NY Hrd 9/28 @ s/off 1912-1914 o/WWRL (Racis)

## f/c's

WBBQ-1340, KXEO-1340, WJPF-1340, WCAP-1400, WMSL-1400, WLET-1420, WSCM-1290, KGVL-1400, WDAN-1490, WVNJ-620, WGMF-1500, WTHB-1550, WDXY-1240, WGAU-1340, WDIG-1430, KWKY-1150, WABH-1150, WNPV-1440 (3rd Fr), WMNS-1360, WCCR-1580, KLEO-1480, WJDY-1470, KFVS-960, KVOX-1280, KSIM-1400, KGII-1380, WCBL-1290, KWRF-860, KXRA-1490.

## changes

- + 1350 WKLX-Va ex-WCVU  
(at this point, I can't find the remaining change data, nor the current issue of Broadcasting; probably because both are at home, so that data will go next issue.)

## NEW R/G's.....

- 1st MM- 1440 WVMG-Ga, 0415-0430T (JKC) 610 KILT-Tx, 0330-0345 D (JKC)
- 1st Thu- 1410 KNOP-Nb, 0130-0145 T (Evans)
- 1st Fri- 1600 WREN-Ga, 0315-0330 T (Evans, JKC)
- 1410 KTCS-Ar, 0115-0130 T (Evans)
- 3rd Tu- 1510 WAHT-Pa, 0015-0030 T (change - RJE, Page)
- 810 WPED-Va, 0000-0015 T (RJE, Page)
- 3rd MM- 1450 WHSC-SC, 0145-0200 T - Q-1,4,7,10 (Page)
- 3rd Thu- 1400 WPRY-Fl, 0215-0230 D (JKC)
- 4th Fri- 1340 WFSH-Fl, 0330-0345 D (JKC) 1450 KSIW-Ok, 0145-0200 T (JKC)
- 1340 WOKS-Ga, 0245-0300 D (JKC) 1420 WIGG-Ms, 0315-0330 D (JKC)
- 1240 WPRN-Al, 0130-0140 D (change - JKC)
- 4th Thu- 1490 KIBL-Tx, 0105-0120 T (JKC) (Lombardo)
- 4th MM - 1400 KAOK-La, 0205-0220 TC (Evans) 1590 WCBG, Pa, 0000-0015 T
- 1590 WGOE-Va, 0045-0100 T (Lombardo)

Briefly, this is what should be procedures for reporting to DDXD. We operate on a DX-priority system which goes like this:

1. Exotic loggings, rare loggings
2. ET's
3. Semi-rare loggings
4. Interesting DX
5. f/c's

Items not-too-useful include:

1. regular DX
2. clear channel DX ( that is 50kw, U 1 class A stations.)
3. unIDs w/ little or no logging info

SUPPORT  
DDXD !!

We are also interested in any and all significant station data changes. Reports should be double spaced, and submitted in as nearly the same format as used in DDXD as is possible, so as to make compilation simpler. Our DDXD deadlines are now re-defined as follows: Mail tips should be received here by Wednesday AM mail, and phone tips by 0100 WM's. Phone is (201)-335-6397. If you should wish to call during daytime hours for really late goodies, number at work is (201)-881-2371. As space and time permit, the priorities listed above will be flexible.

Log updaters will appear monthly, and will include all items of change data. Items listed in the weekly "changes" section will include only on-air changes, excluding net changes & PSA powers.

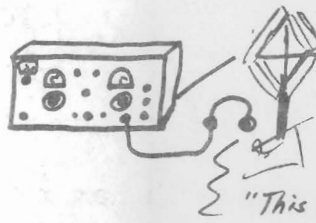
The Domestic Supremacy ratings will be handled by Bob Karchevski, Box 3151, Daly City, Calif., and will appear bi-monthly. Send your totals to him as follows: Total heard, ( overall, states, provinces ), total taped (same categories) and total veried (same categories). Other refinements will be added by Bob as we progress. His ZIP is 94015.

We also solicit new f/c's HEARD by members, and also r/c's listed, but NOT HEARD regularly by people who should have no trouble hearing them. Lists of these checks will appear monthly also.

Any other interesting items of domestic DX nature will also be run as space and time permit. Likewise, I must announce that there will be NO DDXD in the issue of 1/2/71 due to my vacation.

Within the next few months, I expect to be publishing articles on several DX topics, to include one on r/c's, one on logging difficult stations, & tips on how to log the 50 states & all provinces. Page Taylor will soon be doing an article on LPRT's in Canada.

Hopefully, these items will help our newer members in their quest for DX, and will assist others in the same area. I hope to be able to announce some progress on CPC work here shortly. This info will also appear in the normal place in the bulletin.



73's and good luck ... RJE

RJE