



# DX News

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"Even though the dues went up a little bit, DX NEWS is so good I'd pay \$25.00 a year to keep up my membership."  
(Steve Kennedy, WBCA)

## THIS WEEK

French/Spanish/English Report Form - Russ Edmunds, et al.  
Those Were the Days! - Ray Moore  
Clear Channels & Station Classifications - Mike Collins  
Radio Nederland Propagation Course Announced - HQ  
Latin American Log Updater - Honduras - Dave Gleason  
NEW Daytime DX Section! - Dave Fischer  
Furthest North American Tarawa QSL? - Foxy



## NEW MEMBERS

\*Charles Conner, New Orleans, La. ★  
\*George Kass, West Haven, Connecticut ★  
\*Charles Pea, Indianapolis, Indiana (Welcome back!) ★  
\*Charles Gill, Springville, New York ★  
\*H. Morgan, Cambridge, Massachusetts  
\*Mart Detienne, St. Louis, Missouri  
\*James Reid, Jr., Swansea, Massachusetts  
\*Jeffery Roberts, Decatur, Illinois  
\*Jeff Falconer, Clinton, Ontario, Canada  
\*Peter Romeika, Rosemont, Pennsylvania  
\*John McCall, Jr., DuPont, Washington

Welcome to the NRC, gentlemen; we hope to be reading of your DX activities often here in DX NEWS. Why not write into Ernie Cooper and introduce yourself in a Musing?!

## RENEWALS

Wesolowski... Phillips... Druzak... Wilson... Wendt... Stembel...  
Schneider... Kenney... Siegel... Tweedie... Kennedy...

## CREDITS

Publication of issue Number 13: Randy Kane, Big George, Ruth & Diane Nelson, Rolf Jansen, and GPN. Composition of this issue by Randy Kane, Big George, Cary Pall, and GPN... (See Page 2 for last minute DX Specials!)

## LAST MINUTE DX SPECIALS, ETC.

- WOGO-1550 New Smyrna, Florida will run a special program for the NRC on January 24th; 0300-0330 with 84 watt PSA power; 3:30-0400 with regular nondirectional 250 watts. Reports to Richard Preston; address per NRC Log. (Phoned on HQ by Dave Schmidt and went out via Flash Alert Service; 84 watts on a channel like 1550 should give a lot of people a really good catch!)
- WBCA-1110 Bay Minette, Ala. will run a full test for the NRC on February 28th 0200-0330; more information later. (Steve Kennedy)
- KWRF-860 Warren, Ark. will test for NRC 0130-0200 on Tuesday 2/1 with KONO off; this one is 250 watts, D1. R/c 0145-0155 but mx and voice 0130-0140 and 0155-0200. Reports to Allen Weise, CE, KWRF, Box 480, Warren, Ark. 71671. (Arranged by Dave Long)

Remember to always enclose return postage with your reception reports; Capt. Glotz will be dispatched to deal with chronic offenders... And if at all possible please arrange your tests at least a month in advance; while the Flash Alert Service is working very well indeed to bring emergency information to participating members, why let them take the full burden?

## OUT THEY GO...

We regret to inform the membership that both the NRC Domestic and Latin American Logs are now totally sold out. **There's a pretty fair chance that Gilfer Associates may still have some in stock; contact them directly.** HQ has begun planning on the next Editions of both Logs and work will begin when the now-in-progress Pattern Book is taken care of... The Third Edition of the NRC Domestic Log will feature about 3000 changes (the latest count from Russ Edmunds; probably 4000 by the time it goes to bed!) from the last edition; plans call for an alphabetical tabulation in addition - John Clements has volunteered to take care of that monumental job. As has been obvious to all regular readers of DX NEWS, NRC'er Dave Gleason has been doing a tremendous job of updating the ever-fluid Latin American broadcasting situation. What's appeared in DX NEWS of Dave's LA efforts has been only a small part of his recent work; he's busily laying the ground-work for a second LA Log that'll be even better than the first one!

## COPY QUALITY. OR LACK THEREOF...

DX NEWS is produced by offset printing which is basically a photographic process; each individual Editor is responsible for preparation of the copy for his own section and prepares his section on his own typewriter for mailing to Watertown in time for weekly Composition. If the Publishing Committee had its "druthers", all pages would be typed on the same (preferably IBM) typewriter in order to provide a uniform type style and quality on every page. But at 30-plus pages a week the work-load has to be spread out and we have to live with the nonuniformity of typewriter style and quality... Thus this week we've got a mixture of original typewritten copy ranging from HQ's pair of IBM Executive machines (\$850 plus, new) to ERC's standby 1916 woodburning steam-powered L.C. Smith clunker... **One of the most difficult technical problems faced by the Composition crew every week is that of balancing the**

page contrasts so that page-pairs of similar contrast oppose during the printing process; otherwise the printer may find himself in the difficult position of having to photograph copy of widely different contrast on the same plate. **This for example is why Musings tend to be broken into two segments in the front and back of DX NEWS - that way the low-contrast Musings pages tend to oppose...** While ERC's electric machine is in the shop we're in the difficult position of either running poor-quality and hard-to-read Musings or letting stale and out-of-date copy accumulate in Brooklyn; we chose the former evil... **We apologize for the relatively poor copy in some of our sections at the moment but it just can't be helped.**

## EDITORIAL POLICY...

The NRC is first and foremost dedicated to providing the latest and most up-to-date DX information to the BCB DX'er; Musings, features, technical articles, station lists, and assorted other materials... **In any particular issue we assign priority in the following order: (1) Highly time-valued materials: IDXD, DDXD, Specials, etc. (2) Less time-valued material: Musings, Supremacy Ratings, AFR, etc. (3) Station lists, Updaters, EBU, Clippings, etc. (4) Material relatively low in time value: feature articles, Verie Signers, QSL's, cartoons, etc. (5) HQ originated features and articles.** Although we try to stick to the above rough priority scheme, most weeks we also have to balance page contrasts, total 20 or 40 pages, and do similar feats of compromise... Our first and foremost priority is to supply the membership with the latest and hottest DX information; if, from time-to-time, it would appear as if lower-priority material crops up out of order it's likely due to technical considerations such as differential contrast, etc. **If you've provided us with a technical or feature article and it hasn't appeared immediately, there's a good reason - be it time value priority, retyping workload, copy contrast, or even weekly page-count "jigsaw puzzle" page count fitting...**

## HELP US HELP YOU...

The HQ crew is always willing to answer questions and trouble-shoot technical MW DX'ing problems. But DX NEWS has to come first - if we answered every letter and phone call immediately we'd be publishing the March, 1969 DX NEWS this week... On Friday and/or Saturday night we're mailing out almost 600 copies of DX NEWS; at the same time we're composing the next week's issue. **Unless you've got a hot tip for DX NEWS, please call HQ on Tuesday, Wednesday, or Thursday; otherwise you'll run the risk of drawing off manpower from the next week's DX NEWS...**

## SORRY ABOUT THAT ANDY...

The Oregon get-together advertised issue before last was to have been hosted by Andy Kerr and not Rugg; HQ typo that was...

*Help!!! The CPC needs workers now, if not sooner. Write Jerry Starr for all the CPC info.*

## S P E C I A L S

	kc/s	Watts	A.M., E.S.T.	Info
Mon. Jan. 31	4 V E C 830	Cap Haitien, Haiti	2,500 2:00 - 3:00	VDXA
	31 4 V E F 1035	Cap Haitien, Haiti	10,000 2:00 - 3:00	VDXA
	31 K T Y N 1430	Minot, North Dakota	5,000 3:00 - 3:30	NRC
Tue. Feb. 1	K V R F 860	Warren, Arkansas	250 1:30 - 2:00	NRC-r/c
Sat. Feb. 5	K S D R 1480	Watertown, South Dak.	1,000 1:00-- 1:15	NRC-r/c
Mon. Feb. 7	K U P K 1050	Garden City, Kansas	5,000 2:00 - 2:30	NRC-r/c
Wed. Feb. 9	P J B 800	Bonaire, N.W.I.	500,000 6:35 - 7:10pm	NRC
Mon. Feb. 14	W E E Z 1590	Chester, Pennsylvania	1,000 1:00 - 4:00	NRC
	14 K S R M 920	Soldatna, Alaska	5,000 3:00 - 5:00	NVRC

4VEC & 4VEF will have their second DX-TEST for the Virginia DX Association, either on Jan. 24 or Jan. 31 - we believe this latter & later date is it. The December program consisted of inspiring messages and hymns, and DX messages, and likely, this program will be along that vein. 4VEC had trouble from WGGG but 4VEF was, of course, in the clear. This should be the golden chance to hear these two fine Gospel stations in the Caribbean. Tune in and report to Mr. Kent Ragedale - send IRCs or Haitian postage.

KTYN-1430, Box 637, Minot, North Dakota, will be on for an equipment test on Monday morn, January 31, from 2:00 to 2:30, C.S.T., or 3:00-3:30, E.S.T. Mr. James Rufus, Chief Engineer, states he'll be modulating his carrier alternately with cycle tone and recorded music, and will give lots of IDs, hopefully, some with the cycle tone in Morse Code, which cuts through interference so nicely. A few others'll be on this channel, but KTYN, with his 5 kilowatts of non-directional power, stands a good chance almost throughout the country.

SKIP LABELSTEIN

GLENN HAUSER - PSC Box 42309, Kelly AFB, Texas - 78241

MW DXers now have a chance at their own DX Program. There have long been several "DX Programs" on SW, but none of them speciali'es in MW DX information. And besides, most MW DXers don't listen to SW anyway. So, I have made arrangements w/Radio Nederland to do an MW DX item on Bonaire-800, only. This will be included in the program "Jerry-Go-Round", on Wednesday, February 9, 1972, between 6:35 and 7:10pm, EST. I'll include the latest info on DX Specials plus a general introduction to MW DXing. This is a pilot, & if there is sufficient listener response, it may become a regular feature. Here's your chance! Please listen and send your comments to Radio Nederland, Box 222, Hilversum, Holland. And mark your calendar NOW so you don't overlook this special broadcast. Until the next, 73.

ERNEST R. COOPER - 438 East 21 St. - CARRIER ROUTE 66 - Brooklyn, N.Y. 11226

NOTE: Better include CARRIER ROUTE 66 in my address, preferably at the bottom of the envelope, for I now know of three more letters being returned to the sender with the notation "No such address." A very timely article about writing to that guy in Washington (Page 11, 1/8/72 issue), & as soon as time becomes available, I'll bombard him with my latest salvo. Well, some good news, at least - a fine w/f from GBS-560, Georgetown, Guyana on third try; they said this was the FIRST one they had received - their P.O. must be even worse than mine! This station s/on around 3:25am w/guitar 18, & begin programming at about 3:44am, & they KILL WFIL here, generally! Nothing new logged this week, but I did DX on SM 1/9 - That TA on 1368 in again, but still not enough oomph to log it, Nordsee, no doubt. I spent about 20 minutes listening to an MoR album on 540 only to find out it was my semi-local, and the best station on Long Island for music, WLIX, first time I've ever heard them test - I hope a lot of you also were there. MM 1/10- Locals WHN-105 & WWDJ-970 off today. And, WWVA was OFF, and STILL off, at 4:15 a.m.! But I could hear only what was probably KV00, at least it sounded domestic. Unn KFGO-790 way atop @ 2:27 ID, testing microphones, sai the announcer. Varied TTs on 1580, 2:51-3:05 & on - whd was this? Unn WBR-970 fighting WWSW, they must be MSP. Unn CFGM-980 on top 3:30. An 1190 TT/ET left at 3:15 - no ID here, either. That's it - C U N 7.

## MUSINGS of the members



ERNE COOPER  
438 E. 21ST ST.  
BROOKLYN, NY. 11226

TOM McCORMACK - 275 Littleton Street - West Lafayette, Indiana - 47906

72s - A few loggings here over vacation include: 12/31- WSTX-970 a surprise on ET 11:16-11:30pm w/TT & calypso mx (severe Aurora CX - QRM was from two unID S3es). 12/26- WCCW-1310 Mich. finally @ 5pm s/off o/d WIFE). WMLS-1290 s/off 6:45 L&C. 12/31- WHYT-1110 Noblesville @ 1:15pm way u/WMBI (I'm in WHYT's deep null), #82 from Indiana. I lack only seven stations to complete the Hoosier State). 1/4- WHII-1570 @ 5:59pm o/u WOMA for #52 from Miss. Unn. KVRA-1570 S.D. s/off L&C @ 6:15pm, a hard frequency here. 1/3- UNIFs on MM @ 3:50am found two stations, one Soul mx, one MoR QRMing ZNS-1540! Any ideas? WOSH-1490 s/on 6:01am for a newie. 1/5- KLIC-1230 fair on ET @ 3:05. 1/6- WEMA -1400 @ 3:20 w/SID followed by WBIZ Eau Claire, (QRMed by WCOS/WJET/WDUZ & unID HI show). WJBC-1230 finally @ 2:30pm through a milled-out WSAL/WBOW/WJOB. WAYT-1510 Babash, Ind. @ 3pm o/u WJRC, new. MD, your 980 cl mx-EL looping SW is WSIX (directional SW). Nearly 2,000 domestic loggings & o/850 veries (I lost count!) New veries: v/q- WFPM-1260 (whoopie!) v/1- WCVL-1550 Crawfordsville, Ind., WIL0 -1570 Frankfort, WGR-1590 WXLW-950 & SHYT-1110. WHYT is directional S w/six towers & 250w daytime. They have been guilty of slipping down to 1100lk once in a while. How about some DX TESTs from Newfoundland (like 540 & 740 for two)? (Catch CBNM-740 @ SM s/on @ 4:27am -ERC) CMers please write. I have piles of nice traders (like WHYT's). Anyone having trouble verifying WTTS WASK or other Indians send me your report(s). 72's and good DX, GX (Girls!) hi, & Best of Luck in the New Year. B C N U.

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

Well, upper-pest did it again. I heard their s/off announce - ment 1/3 @ 2:30. In it they said they would return at 7:30. I then picked up ZNS Bahamas @ 2:34. Later, just before 6pm, I went back to 1540, to see if I could pick up WPTR's s/on. I heard a s/on all right, but KXEL's! So I wrote 'em a letter - a nasty letter. We'll see what kind of an answer I get. (Don't you think we should be GRATEFUL for their MM silent period, Keith? A nasty letter gains NOTHING but distaste towards DXers -ERC) All of my recent DX is in DXDD except for HAI-1040 heard 1/2 w/slow mx at first, then ID, then up-tempo mx. Also, as I mentioned, ZNS w/MoR, including three Sinatra records in a row. Just now, KEDM-1580 fighting it out w/CBJ. They are playing rr & IDing as LV del Pacifico. Incidentally, on 1090 in the LA Log, XERP should be XEPBS, per verie. Right now I'm listening to WSGN-610, Ala. Do they verify? I've sent three reports to them so far, as it is a good point scorer in the Domestic Contest. The biggest score for one station that I have so far though is KWCO-1560 Okla. w/1030 points. Not bad. Guess what I got for Christmas! An R-195 Knight-Kit RX. Only one problem - after I finished it, it won't work. The first time I tried it out I blew a fuse. So I checked my wiring, found about five mistakes, & tried it again. This time it just sat there and smoked for a few seconds, until I turned it off. Now it won't even do that. It just sits there, the pilot lights on, the speaker hissing softly, and does nothing. No signal coming out. Ah well, such are my problems. It'll probably cost me \$10 to get it fixed, then another \$10 to build a loop for it. Sigh. 73s.

*How many new DX catches have you made because of DX programs? Quite a few probably. These tests don't arrange themselves, they are the product of hard working C.P.C. members. This year, instead of just going along for the ride, why not do something for your NRC, join the Courtesy Program Committee. Prove you care. Do it!*

I haven't listened in a good many months, but have benefitted from the reports of those who did. It seems to be an excellent DX Season for most. Good CX here have been slow about ascertaining themselves, so that results up to now have been disappointing. However, the fact that many of you have been "having a ball" has encouraged me to keep listening. Specifically, the feats of Glenn Hausner, because of the proximity of his receiving location (200 miles) have kept my adrenalin flowing. Thanks, Glenn! (But how did you do it?) Equipment is still the SP-500 & BC-1004. The Hamarlund's using an Sn-1. Because of the favorable comments of so many, a Realistic TRF was recently added, mainly for away-from-home DXing. So much for preliminaries - now to meager DX. 11/14- XRXF-1140 R. Bajio, in well @ 7:36am w/frequent IDs AS R. Bajio & occasionally the call letters. Records played between long commercials & no interference from normally strong K900. I have been trying each M. for the 840 R. Libertad so many have heard. All that I hear is the Colombian. 11/22- A good catch in R. Mia-650 Panama dominating the frequency @ 4:35am, while trying for unkn KOEL. Many mentions of R. Mia & occasionally Panama by a male announcer. Very clear @ 3:51am 11/27 KXLY-920 Wash. heard while trying for the KNYS TEST, IDed @ 3:51 w/TC, fairly clear. Also, on the same frequency was KQEO N.M. IDing @ 3:57am, a little garbled & mixed w/KXLY & others. The Montana KNYS TEST was not heard, neither was the KOBE-1450 N.M. TEST the next morning. 11/30- At 6:40pm on SSS, KUAT-1550 Ariz. w/cl mx L&C. XENY began to take over @ 6:44. 12/6- The NRC Special from KUPK-1050 Kan. in weakly u/QRN @ 2:04am, after XEG s/off @ 1:55 - my 14th Kansas. The WKTJ & WDNL TESTS the same morning not heard. The LA Log does not list a Cuban on 720, but I have heard one here several times. Welcome to new member Curtis Riddick of Houston! If you would like to gab a little, Curtis, my land line is 675-3364.

STEVE KENNEDY - 201R Dobson Avenue - Bay Minette, Alabama - 36507

Did you get that new RX you wanted? News here is I am now Chief Engineer of WECA/WWSM. That means more hours at work and not as much time for DX. (And more money, hi -ERC) Here are my totals starting 11/23 to present: Heard, 20 states, six countries, two taped. QSLs received: WPMP WBIX KNOF WDAF WTHI. TEST from 4VEU was heard 12/27, also 1/3; CJIC-1050 @ 2, KNX-1070 @ 2:40. Would you believe this on a Name Clarke Field Intensity Meter? Take note: WECA will have r/c every Fourth Thursday from 1:45-2:00 DT. (EST, I take it? -ERC) I will use a different style of ID every time (Re J. Starr's article 12/18 in DX NEWS about reports). Also a DX TEST is scheduled for 2/28 from 1:30-3 & is on a MM. OK, about RXes, from letters I've received, reading all copies of DX NEWS I have it seems so far that the popularity of RXes is as follows: 1- HQ-180. 2-HQ-150. 3- HA-600. 4-SPR-4. 5- SP-600. 6- A-2515. 7-SX-130. 8- R-390. Can anyone send me some info on the R-390 & HQ-180? Remember what I mentioned in 12/18 DX NEWS about sending in your remarks about your RXes. Thanks to RJE for his comments which were very helpful. Also Wes Boyd. Say, it's gettin' time to send money to HQ. GPN, let me know when it's due. I found out you can't use a loop in a Mobile home. 73. & C U in Miami in '72.

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ROGER W. WINSOR - 718 North Fremont Road - Valparaiso, Indiana - 46383

Very little DX here this last week. I got recalled back to work after being laid off for five months & have been trying to work as much as is possible. CX haven't been good at all on SSS, I don't know about after 12 - I haven't been listening. M. 1/3 was an interesting morning. Many stations on ETing, either PoP to get it over with or frequency checks. WIOU-1350 heard @ 12 s/off-SSB, to s/on @ 5:15, note in log, is AN-6. Unk ET on 1600 w/Dixieland mx @ 12:04, no IDs. R/c of KDLM-1340 & WBMG-1430 heard fairly well, KFSA-950 was on again 1:30-1:45, so is evidently a r/c now, LPC for those needing Arizona Arkansas. KUOA-1290 also heard @ 1:34 w/ID, strong TT, but I believe was PoP, as they had few IDs. KUPK-1050 heard well w/r/c-TEST 2:02-2:29, using march mx, TT, no CW IDs heard, much CHUM/CJIC QRN. Unk 88Q heard weakly u/everyone on 1050 @ 2:07. Is this CJNB, Blake Lawrence? WFLI-1070 w/ID @ 2:30 strong signal w/50W on. WDEM-1500 had one of their endless tests w/c/w all AM long. FCC should clobber them. KDAY-1590 finally logged @ 2:45 w/LA MX, very weak though. Is that a Cuban on 1268A hitting 1270 so badly? At times perfect audio was heard, one time mentioning Managua, is it YNWX? WTT0-1520 finally logged w/Larry Love w/rr u/WBEW, KOMA on w/low AXR @ 3:15. WFTD-1270 Va. logged w/c/w 3:35-3:40 s/off, excellent level. WITL-1010 had ET even w/CFRE in strength @ 3:48 playing c/w. 4:04 & wonder of wonders, WROW-590 IDed into ET w/high TT while looking for KSUB r/c. Pest CKEY really made things hard. KSUB Utah did come in well 4:12 to 4:20 w/IDs every five minutes. That PM, long-sought WNAM-1280 logged on SSS 4:56-5:02 fade u/WGET. V/c back says is AN-6; I don't know what SP is, but they do have MM off. 1/4- WHGR-1290 again heard on r/c 12-12:30 w/strong TT, 20% audio on ID. WNEU-1600 heard @ 12:41am s/off, WSRF heard AN, no WCLS at all, unusual. WBAW-740 ET-rr & OC 1:15-1:50. WKIS heard u/occasionally. Veries: WTAI KTUI y!, v/c WNAM, v/f WKKE.

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

Well the New Year started out great w/SW logs on Zansibar & Uganda for two new countries. On 1/3 BCB looks good too w/Germany good on 1586k @ 12. Who'll be the first new log of new year? WJDM-1530 Elizabeth N.J. again testing until 12:52 after mx/TT. KFSA-950 f/c-TT per announcement @ 1:40, a weak SS on 875 @ 1:45. I've never seen this reported before, anyone else hear 'em? WRTH-590 still s/off @ 2, s/on 6. CHLC-580 in FF well atop @ 2:05 w/WIBS. Neither WOV nor WIEW s/off @ 2:05 & continued on AN shows. ReLoj Nacional-1270 very loud on SW Beverage, first time heard in years. Well, my first new log of new year was an SS & #10 from Nicaragua in a R. Mundial relay of YNW-1 on 875 @ 2:20, really hitting the Cuban on 870. WRIT-1340 noted on @ 2:45 for maybe NSP now also. First new domestic log of 1972 was KBTA-1340 Batesville f/c-TT 2:35-2:50. Another new log on 1060 in R. Enciclopedia, Cuba w/YL announcer & U.S. rr @ 3. 1/7- I follow needed WNOV Milwaukee-860 w/their wild voiced CJ all the way home from 8 am to noon from Wausau to Marquette on car radio. I went in house & could still ID the voice. #100 from Wis. & only 15 away from the 1500 mark. 1/9- I had KOFI-1180 in @ 1:30 w/good signals & WX for Flathead country. 1/10- Not too much showing but I did note KTW0 w/RX program on 1030 in w/fair signal w/SS & WBZ-AXR test @ 1:30. By 12:45 it seemed like TAs were in & especially fair on low end of dial. WDR-1586 in, BBC-647 & Rome-845 w/audio for two new ones both @ 12:45am. On 853k I heard R. Nacional Espana w/male & female NX @ 1:05 for new country, & beautiful ID @ 1:07; 818 had U.S. pop mx in very good & R. Andorra @ 1:15 for new country. RNE-737 in good also from Barcelona really hitting up Cuban on 740. 837k had FF & RTF Nancy @ 1:30 for new log; EBG1214 great also; Paris-863 in FF @ 1:30 (oh but this night could last forever!) Also noted an UNID-872 (gone by 1:45, AFN, probably), 665 (Portugal) & 1034 (Portugal); Lisbon on 755 @ 2:02, but the hets were fading out now, only Spain-England-Portugal-France still audible. WMAQ-670 off @ 2 & Portugal audible finally on 665 for new log. 665 & 755 seemed // w/YL w/NX in Portuguese. After ten new TA logs I thought I'd concentrate on domestic. TT on 1270, weak, towards ESE u/o CHAT Medicine Hat may have been WDWL TEST PoP, but no IDs, not on last week. Was this continuous TTer they? Seven more till 1,500 logged - wow, what a night!

RON MUSCO - 16 Chestnut Drive - Windsor, Connecticut - 06095

1/3- WFLB Mich. heard w/r/c 12:10-12:25 in the clear; 12th station heard on 1380. 1/5- Tentative, CKLB Ont. 12-12:10 s/off u/WSLR. WTTC-1550 Pa. s/off @ 5:02pm. 1/6- WMEH Ind. 4:13-4:24 RS in the clear. 1380 is dominated by this bird now in the AM. I tried for much-wanted WJOY-1230 again but got local WINF w/s/on @ 5:21. 1/8- Doing some SSS DX netted WXVA-1550 Charles Town, W. Va. 5:11-5:27 s/off in the clear. WKBA w/long & informative s/off announcement at 5:30 for Va. #12. CBE then took over. 1/9- WGNR-930 Pa. #40 4:45-4:50pm. WIZR N.Y. s/off w/announcement @ 4:45, mentioned FM outlet. WJML-1110 Mich. for best SSS catch to date, 5:05-5:13pm w/local NX & sports, S-5 o/WBT. 1/10- WGMF-1500 N.Y. #56 w/r/c 12-12:08 s/off. WBAT-1400 Ind. not heard here on TEST but WWJC-850 was 2:05-2:20 w/QRM from WHDH/CKVL/unID-TT. Two questions: Who was the un-ID TT, & what city is WWJC licensed to? I don't know whether to list it as Wis. or Minn. Veries coming in nicely, to wit: v/q- CFAC WCHS (note v/r in v/s is wrong for this one). v/l- WHAI WEZY (no v/r for this one either), CKLC. 73.

KEN LYON - 7728 Tonawanda Creek Road - Lockport, New York - 14094

I have a little DX to report after a long absence from these pages. I thought I would try a little SSS on 1/4 and it was fabulous. WFER-1320 in @ 5:05pm w/local NX & several commercials till fade @ 5:13pm. KLCN-910 in like a local 5:55-6, NX @ 6. 6:01pm, WLIJ-1580 s/off in strong; KEEL-710 o/u WOR, excellent commercial copy @ 6:25pm, 6:30 they suddenly vanished at power cut. KSKY-660 in way u/WNEC @ 6:32pm but copy possible until 6:45 when it appeared that they s/off. 1/5- CJBQ-800 was in w/CKLW @ 6:26pm, a couple of commercials copied. At 6:39 they were covered by CKLW although still audible but fluttering badly, first time heard here. A few veries in, WAAK-570 sent nice v/l stating that my report was the farthest away that they can remember. I heard them @ SSS. Also sent a pile of info about station - very friendly. Also a v/l from WGVA-1240. I heard them before but never reported. CKTB-610 sent v/l & v/q, another semi-local heard many times but never reported. I hope to get in a few more reports before the season ends but I just don't listen as much as I used to. 73.

JERRY STARR - WHOT Radio - Youngstown, Ohio - 44505

Hi again. Several thoughts concerning Beverage antennas. I have seen reports from NRC members & other clubs about their antennas & would like to make a few suggestions: First, it doesn't matter if the wire's height above ground varies, it need not be perfectly horizontal, however it MUST follow a straight line lengthwise. Members with a wire going one direction for a while, then another, will still experience the high gain of a longwire but will ruin the directional Beverage effect. Second, Beverage theory dictates the wire MUST be end-fed. If you try to tap your feedline in the center of the wire, or if you decide to add more wire on the end the feedline is connected to, the Beverage effect could be cancelled. This is particularly true in terminated uni-directional Beverages. The luns to the RX must always tap the antenna at one extreme end. DX-wise, not too much here lately, no time. On 1/6 I noted WJGW-910 covering everything @ 5:25pm, then gone w/pattern/power swch five minutes late @ 5:35. AM of 1/3 quite rewarding. TTer on 1440 @ 1:38 turned out to be WRBE Miss. w/only one ID @ 1:43. While monitoring TT on 1460, which turned out to be unN KSO, I noted rr station rising to S-8 at times w/PST TCs but no call given by DJ. KSO TT ended momentarily @ 1:59:30 just in time to hear ID jingle for KWMX Yakima, Wash., no NX at the top of the hour, just more mx. EEsers, watch for this, was quite strong. Too bad they ID so infrequently. WBNS-1460 was almost non-existent this AM which is not uncommon here. At 4 I caught short headlines & ID from WGAN-560, then into MoR. WLYV-1450 owned the frequency 4:05-4:25 w/rr & NX from 4:15-4:20, NX closed w/ABC logo although NRC Log says Mutual. Is this a change or do they carry both? Local WBEW-1240 for years was both ABC & Mutual until ABC's four-net system came in. Mystery: Station w/ads for Westgate Mall & Family Dollar Stores s/off 5:30 1/1 on 1560, giving FM calls close to WQAD-FM. Ideas? (WADDY -ERC) Veries: v/l- WJFC-1480 WNEU-1600. v/q- KOMO-1000 WJAX-930 Albania-1394 Egypt-818. These last two new countries to boost totals to 50 countries still shooting up. Despite the onset of the MWA, it looks like DX CX are still shooting up. 73.

BOB FOXWORTH - GPO - Box 2111 - New York, New York - 10001

Here's the annual January Musings, cleverly timed to appear some time this Spring. Explanation is simple, though - I forgot to put "Carrier Route 56" on the envelope. I even forgot the stamp, too, hi, which may account for much of the delay, if any. (This mailed 1/10 PM, rec'd 1/11 -ERC) Big news here, of course, if it can be called news, is my increased activity this season. This is thanks to my leaving N.Y.C. last May & moving in with my wife in Mineola, N.Y. It doesn't really sound as bad as it is, or perhaps that should read the other way. Using the HQ-150 & atlas FET loop, best foreign DX this season, with no question, has to be Terava, logged on 11/15 & 12/6 w/audio. Domestic, best have been CKML-610 Mont Laurier, P.Q., about 10:30pm one evening last Oct. w/the most unreal mx, show female songs in FF w/solo piano accompaniment. It really stood out u/WIOD teletalk w/WIP looped. Another good domestic was WINH-1470 at SSS just after WBIG cut power, that's one I never hear of being reported. I didn't report either, but have good taped IDs. I do not count tapes as verifications, incidentally, but prize them none the less. I have heard several DXes - WREM WCVR which was verified last season, WKTJ which verified w/a strangely-worded form, ditto on blank paper. WCers, you didn't miss a lot there. WISS-1090 was quite good the last 15 minutes of their TEST. They represent my third 1970/71 verie so far, another form too, ugh. Big news here is the obtaining, by legal means (unless my check bounces) of a GPR-90 RXD & complementary GSE-1 sideband adapter. A real wife pleaser, the RX is a masterpiece of workmanship, really beautiful. It will likely supplant the HQ-150 as main unit; I am keeping the excellent Hammarlund as a useful standby for checking parallels, monitoring watches etc. MM 1/10 a bust, DX from WBAT was not heard. Address for Club mail remains Box 2111 although home phone is 516-248-4394. 73. (Welcome back to Musings, Bob! I promise to reciprocate! -ERC)

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

DX is gradually improving after MWA. RX is Zenith Trans-Oceanic. 12/28- 4:11pm, WRUC-870 N.Y. 4:25, WLER-1270 Pa. 12/23- 4:13pm, WPAZ-1370 Pa. 4:30 WBRW-1170 s/off "Happy TV Watching!" 12/24- WNJR-1350 N.J. @ 11:46pm. 12/25- 7:30 pm, WRAM-1390 Va. MM 12/27- 12:05, CJOY-1460 Guelph Ont. 12:30, WDEE-1500. 1:14 WLCY-1230 testing. 1:33, WOKJ-1550 Miss. 1:42, WETT-1590 Ocean City, Md. WCRV-1580 N.J. on 4:30 s/off, received v/l. 4:45pm, CHIN-1540 Ont. o/WPTR. WGH-1310 Va. @ 11:14pm. 12/28- 12:28am, CFTR-680 Toronto. 12/30- 11:20am, WGSa-1310 Ephrata, Pa. 1972 started out on a good note w/WFNC-940 N.C. in very good on 1/2 @ 5:10pm, w/WMAZ poking through at times. MM 1/3- CX were very good for Canada this morning. Midnight, CBEK-540 in clear which is unusual. CFRA-580 Ont. @ 12:08. 12:31 CKKV-600 Holguin. 12:43, CKRY-590 Ont. 1:05, WONE-980 w/c/w. WRIP-980 Rossville, Ga. testing @ 1:18. 1:30, CKLM-1570 Montreal. CFOX-1470 Pointe Claire caught me by surprise. 2, CKPM-1440 Ottawa, quite fadey. 2:08, KSTP-1500 heard after WDEE finished their tests. 2:24, WVOJ-1320 Fla. poking through the usual 1320 slop. 2:26, WHAP-1340 Va. 2:32, WNDR-1260 Syracuse in the clear. 5:04, WTTM-920 N.J. u/WGEB splash. 7, CBJ-1580 Chicoutimi w/probable weak WSEF in background 1/4- 5pm, WACK-1420 Newark N.Y. WSHP-1480 Shippensburg, Pa. @ 5:05. 1/5- Sub-zero temperatures & many foreigners giving the powerhouses a tough time occurred tonight, too bad I didn't feel like DXing. 5:17pm, WHUN-1150 Pa. 11:10pm, CBA-1070 Moncton giving freezing spray warnings. College registration comes up soon & I hope to arrange things so I don't have an MM class. I hope I'm not o/30 lines. Happy 1973.

JACK WIDNER - 4818 Farrington - Indianapolis, Indiana - 46201

Hi, First, a re-intro would eat up a few lines, why not? Age is 19. I am a student at Indiana U. at Naptown. Major is Radio & TV presently, but I'm thinking about changing it, but I can't think of anything else I want to study. I haven't been AM DXing very long, & so far this Winter I've done very little, because I lack a loop, & I cannot stand a longwire for AM. Last Winter we used a 4' box loop & a four-band realtone portable, & got excellent results. We have 16 countries on BOB now, latest being Panama on 770, no sign of WABC, on the car radio. I also got Fabulosa same night. Other hobbies include tennis, interest in Music, collect, & I play some, also. I like all kinds, even some countreeses mx! I enjoyed the ANARC Convention here, & hope to make NRC one some day. Some DX: Radio Free



## FISHING FOR DAY DX

With this issue of DX NEWS the National Radio Club is instituting another First--public notice of daytime DX feats under the editorship of Dave Fischer in Lincoln, Nebraska (Box 6256, Zip: 68506).

From past experience there has been sufficient interest to warrant this quasi-periodic column so the purpose will be to list the claimed or verified daytime loggings of DXers by frequency. The daytime period has been relatively unexplored by DXers in general but it offers some very interesting propagation conditions which, normally overlooked, can now be identified provided sufficient numbers actively participate in this effort. Many DXers, of course, prefer or believe daytime to be a relatively unproductive period, and so it is compared to night conditions; however, the same contrast that BCB has to the SW bands exists between day BCB and night BCB--viz, the more difficult it is to log long distant stations.

The criteria for determining records will be "miles per kilowatt", (MPKW). The computation of this value will be made as follows: by computer, the great circle distance (statute miles based upon spherical earth with a mean radius of 3957 miles) between the DXer and the DX'd station will be calculated and divided by the EQP (equivalent power in kilowatts) as determined by the standards set forth in PATTERNS I, IIa, b, published by Paul Hart in DX NEWS, Vol #38, Issues #4,5,8. Also by computer, the bearing of the DXer as measured at the transmitter of the station received will be computed and this angle used to determine EQP from station power and antenna radiation patterns. The NARBA listing will be used for transmitter coordinates and radiation patterns, from which EQP will be calculated, will be those official FCC patterns on hand or values obtained from the station (by the DXer if the pattern is not available to the editor). Tentative MPKW values will be calculated and published in this column only for non-directional stations. Tentative values for such stations will be made by dividing the distance by the rated transmitter output power in kilowatts. However, official values for the DDXR can only be determined from pattern data.

The definition of the daytime period can be discussed, but for the time it will be defined as 1000-1400 LOCAL TIME. In the southern latitudes this period could possibly be extended while shortened in the more northern latitudes of North America, but 1000-1400 LT appears to be sufficiently correct for most conditions. Too, it is to be understood that any DXer in the NRC may participate in DDXR--it is not limited to NA.

Initially, the records listed in DDXR will be "absolute" best logs (i.e., no geographical restrictions such as ECNA etc.). As the column progresses however, listings may be given with geographical bounds as there are inequities in day conditions generally speaking--that is, in station concentration, differing values of ground conductivity and in geographical latitude which gives rise of differences in ionospheric conditions.



To submit loggings to DDXR, the following information is requested (postcards are preferred for record keeping purposes): (a) name (b) address (c) geographical coordinates--latitude (degrees,minutes) and longitude (degrees,minutes) (d) receiver (e) antenna system (f) standard time zone (CST, MST, etc) (g) frequency (h) call (i) location of station logged (j) time period during which station was heard (k) rated transmitter power in kilowatts (l) directional or non-directional antenna system (m) H or T or V (n) details of reception (no programming material is relevant) such as signal behavior, strength, readability, condition of the frequency, etc. Items (b),(c),(d),(e), and (f) need only be submitted initially and as changes occur in future reports. Item (m) has the following interpretations: (H)--this logging was "heard" only--i.e., not verified by either tape recording or by written confirmation; (T)--logging is verified by tape recording; and (V)--logging is verified by written confirmation. This data, H/T/V, is requested only for the musing interest of those reading DDXR.

DDXR is primarily a "record" column but reports will be gladly accepted when a DXer believes unusual conditions existed--even though loggings made do not establish new records. If several such reports are received for a given period, then DDXR will present the data to DX NEWS for publication.

Records will be published with formats similar to the following:

```
-----column heading-----
FREQ  CALL  LOCATION  VERIE  MILES  DXer  LOCATION  MPKW
-----an example-----
850   CKRD  Red Deer, Alhta  T    1234.5  Glotz  Nebr.    234.76
```

Since DDXR is a blank page at present, loggings for DDXR consideration will be accepted as follows: any NRC DXer may submit his best daytime log on each BCB frequency (splits included--if logged!) or on any smaller set of frequencies. No loggings prior to 010170 (Jan. 1, 1970) will be accepted (this is a tentative decision which will become permanent unless the editor is convinced otherwise by the membership.) To make it clear--EACH frequency will be listed with the best daytime catch from among all DXers submitting logs on that specific frequency (just think, at least 107 "winners"). Updates of the DDXR "absolute best" list will be made quasi-periodically and once or twice a BCB season the entire listing will be published. Finally, as a guideline in filing initial reports, consider only, say, local channel logs of 150 miles or more; regional channel logs of 300 miles or more, and clear channel logs of 500 miles or more. With your cooperation and interest, the editor would hope to publish DDXR's first listing by mid-Dec. 1971. So, gang, DX DAYS and SLEEP NIGHTS!!!!!!! --de Fish

BOA e' a  
**PIRATININGA**  
 1.200Khz  
 NA REDE PIRATININGA VOCÊ DESCANSA SE DIVERTINDO

## Clipping Corner...

Letter from Perry Langston in the GEIC 'Colony Information Notes':

As sexual perversion is fortunately rare in the Gilbert Islands, the majority of Gilbertese listeners to the English programme on Radio Tarawa will not understand the thinly-veiled jokes about sexual perversion in the present Saturday night series which have replaced the *Goon Show*. Those that do understand Kenneth Williams' jokes will get the impression that the British are sexual perverts... Do we have to expose the Christian Gilbertese to this sort of humour?

## Effort To Halt Renewal Of Station License Rejected

### Can't Order Foreign-Language Programs FCC Tells Protesters From Fremont

WASHINGTON (AP) — The Federal Communications Commission said Friday that it cannot and will not direct a broadcast station to carry programs in a foreign language.

The agency made the statement in rejecting a complaint by a community group in Fremont, O., the Comité de Comunicaciones Hispanos, trying to block renewal of the license of radio station WFRO.

The FCC said that the group originally protested an FCC policy requiring a station that carries foreign-language broadcasts to maintain internal procedures insuring sufficient familiarity with the foreign language to know what is being broadcast and whether it fits station policy and FCC rules.

#### Monitoring Protested

The group also objected, the FCC said, to the requirement, imposed by the owner, Wolfe Broadcasting Corp., on one of its two Spanish-language announcers. It required that pre-recorded tapes for a Saturday morning show be submitted to the station by the previous Wednesday for monitoring by an interpreter.

The FCC said the group's complaint grew into a charge of blatant racial discrimination by

WFRO and then to a "sudden and sweeping challenge" of the WFRO renewal application filed more than a year ago.

#### Contrary To Facts

Denying the Comité petition, the FCC found that the charge that WFRO ignored a substantial part of its broadcast community is contrary to the facts, since Spanish-language programs have been and are being presented.

Saying it would not direct a station to broadcast in a foreign language, the FCC also said it would not question a station's means of program control as long as there is no substantial evidence of inadequate or abusive methods of control.

The commission found the charge of discrimination unsupported, and said it would be "grossly improper at this late date" to consider the sudden challenge of the WFRO license renewal.

## RADIO PROGRAMMES

**IYA** AUCKLAND (760kHz). 6, 7, 8 a.m., News; 7.35, Today's Sports Cover; 9.4, The Best of the White Heather Club; 9.30, Pick of the Goons; 10, A Faith For Today; 10.12, Music for the Holiday Mood; 11, The Days of Take It From Here; 11.30, Percy Grainger and His Music; 12, Music at Midday; 12.15 p.m., Sports News; 1.45, Profile: Irene Handl; 2, Afternoon Concert; 3.3, Tunes for Travellers; 3.30, Take It From Here; 4.3, Appointment with John Gordon; 5.30, Readings from the Bible; 5.34, Block and White Keys; 5.47, Folk Group; 6, BBC News; 6.9, Letter From America; 6.30, In The News; 7, Sports News; 7.30, The Maori Programme; 8, The Wilfrid Thomas Show; 8.30, Weather and News; 8.40, Sing It Again; 9, Continental Cabaret; 9.30, Stop Messing About; 10, Spotlight Bands; 10.30, News; Weather; 10.45, Bowls: New Zealand Championships; 11, BBC News.

**IYC** AUCKLAND (880kHz). 7 p.m., Music by Berlioz, Debussy, Faure and Bizet; 7.22, Belgian Radio Concert; 7.53, Samuel Barber Knoxville: Summer of 1915, Op. 24, 8.10, Bliss: Piano Concerto (1939); 8.48, Vaughan Williams: Five Variants of Dives and Lazarus; 9, John A. Lee: A Love Affair with New Zealand; 9.20, Mozart: Symphony No. 41 in C; 10, Man and his Environment; 10.14, Some Choral Classics.

**IZB** AUCKLAND (1070kHz). 7.55 p.m., Gardening; 8.5, The Brian Stephenson Show; 11.2, Your Own Thing.

**IZM** AUCKLAND (1250kHz). 8 p.m., Top of the Pops from London; 9, Yours Till Twelve.

**IZN** NORTHLAND (970kHz). 7.15 p.m., The Country and Western Show; 8.3, The Chalet Hour; 10.2, Coffee Club; 10.15, Music Box; 10.30, Rhythm on Record; 11.2, Your Own Thing.

**IZH** HAMILTON (1310kHz). 7 p.m., Peter Drake Drive-time; 8, Cousin Dudley.

**IZC** ROTORUA (1350kHz). 7.2 p.m., The Out of Town Show; 9.30, Jazz in the Night; 11.5, Your Own Thing.

**IZD** TAURANGA (1000kHz). 7.3 p.m., By Your Request; 11.2, Your Own Thing.

**IXW** WAIKATO (930kHz). 8 p.m., Tony Smith.

**HAURAKI** (1480kHz). 7 p.m., Peter Telling; 9.35, Thought For The Day; 10, Ian Ferguson.

**RADIO I** (1590kHz). 6 p.m., Sports News; 7.30, The World Tomorrow; 8, Murray the I.

The Power of Music

Radio  
Sovereign

## Those Were the Days!

Ray Moore

The clipping on the death of Ollie Ross in the December 18 issue of DX News aroused my interest enough that I went back through some of my old issues of Radex. Here are a few interesting items about Mr. Ross, and other matters, from 1932 and 1933. Before I am classified as a contemporary of Mr. Ross I'd like to state that the Radex magazines were purchased from Carol Weyrich about 15 years ago and that I did very little DXing in 1932.

The Vallejo Times-Herald clipping attributed Ross' remarkable feats to a device which was embedded in the earth. I believe that this was the Ollie Ross ground. "The Ollie Ross Ground is a length of copper tubing about one inch in diameter by four feet long wrapped with bare copper wire, this wire being soldered to the insulated lead to the receiver. The tube was buried underground with rock salt to draw dampness in dry seasons." (October, 1933, p. 6)\*

Here is some unusual daytime reception reported by Ross in the September, 1932, Radex, p. 14. "I tuned in on station WOKO, Poughkeepsie, N.Y., about 10:00 AM PST, or 1:00 PM EST, and sent for a verification which was sent back to me via air mail. Their curiosity was aroused by this daytime reception and they wrote back asking various questions... I decided to try to show them a real miracle and so I tuned them in every day for a solid week from 11:00 AM to 2:00 PM PST and had the entire week of reception verified. Over 2000 miles across the continent, daytime reception, day after day for a whole week is really a feat unbelievable but it is true nevertheless." (WOKO ran 500w on 1440 kHz at the time.)

Can a 15 watt New Zealander be heard on the East Coast? Apparently so. Here is a quote from a letter of verification from 2ZI, Hastings, New Zealand, to Robert Rawstron, Claremont, N.H. "We must apologize for not answering your report of the 25th of January, 1932, on our broadcast of that date, but we have been to quite a bit of trouble getting this verified as to time, etc., and find it in every way correct. Now, sir, we wish to thank you for this report, and strangely enough by the same mail we received a report from Mr. F.A. Johnson, of Chicago, on another broadcast which is also correct in every detail. This brings our total to three American reports now and we are 'tickled to death' to think that our station, which is rated in power at only fifteen watts, should reach U.S.A... To whom it may concern: This is to verify that the report of R.R. Rawstron, of Claremont, N.H., was mailed to us less than seven hours following his 2ZI reception and on the same day by his local postmark." (Radex, September, 1932, p. 15) The third American report was from Karl J. Halpern, Brooklyn, N.Y. All three were well-known, highly respected DXers.

Now here is a DXer most of us can identify with. Arthur L. Robb, Topeka, Kansas, said, "My claim to recognition lies in the fact that I have never heard Japan, Hawaii, New Zealand, Australia, or cricket matches. The only station I have heard off of the North American continent was HJN on the morn-

\*Re: the Ollie Ross Ground. I got my information from a secondary article - the basic articles appear in the February and midsummer, 1931 issues which I do not have.

ing of February 26th. While countless other listeners had 'enormous volume' and 'heard call and location 15 times' I had a hard time holding a faint signal long enough to hear one station identification." (Midsummer 1933, p. 28)

The Radex musings editor must have been as tough as ERC. "My pal wrote six pages to Radex and got two lines," complains Henry Blanchard Jr., Carlisle Barracks, Pa., who hopes he 'will have better luck.'" (May, 1933, p. 12) Actually, Mr. Blanchard's luck wasn't any better but he did get a 26 line sermon on the shortage of space in the magazine.

A reader in Santa Barbara, Cal., reported, "I have been DXing for three weeks... Please find for me... the address of EAJI, in Barcelona on 860 kcys. I have a very nice program received from them last Tuesday and have been trying frantically to find their address, because I wish to verify this, my best catch. Europe from Santa Barbara! I failed to understand their Spanish, but have the music, time, etc." (Midsummer, 1933, pp 26 - 27)

"CBS reports that three-cent postage has had no effect on radio enthusiasts, the first month's mail under the new rate even showing a slight increase over the month before." (October, 1932, p. 26)

Just to prove I'm not the oldest DXer in the club here is a report from the May, 1933 issue. "To date I have received 411 stations (no two alike)," reports Frank Wheeler, 406 Eagle Point, Lakeside, Erie, Pa. 'I have a 9-tube Silvertone. I did have a 6-tube Silvertone and with it received 375 stations, and since getting the 9-tube set I have increased this number to 411.'" "And still another DX club to add to the roster - The National Radio Club of York, Penna. 'The purpose of the club is to stimulate an interest in DX-ing and to pass on DX tips to those interested in receiving them... We send out weekly tips and other information. The cost of joining this club is \$1.25 per year.'" (November, 1933)

*CPC members, where are you? Out there somewhere in beautiful downtown DXland there are NRCers who care about more than their own DX. Do something for your NRC. Join the NRC CPC. Write Jerry Starr for more information.*

CKDA 1220

SEA REPORTS

PRESENTED BY

Woodwards

DIRECT FROM THE CKDA FIBERFORM CRUISER

BROADCAST SCHEDULE

Friday	12:05	1:05	3:05	4:05	5:05	6:15	7:05
Saturday	7:05	8:05	9:05	10:05	A.M.		
Sunday	Holidays						
Holidays	12:05	1:05	3:05	4:05	5:05	6:15	7:05 P.M.

DIAL 1220 — MOSTLY MUSIC — DIAL 1220

M!



## SEXPOT RADIO

Your innocent, little radio will never be the same. WNEW-FM has blended the cool sophistication of the female voice with the brightest, alive-est of the meaningful new music and what have you got! The 'New' Sound. Wow!

WNEW-FM

Stereo 102.7  
A Metromedia Station

## NATIONAL RADIO CLUB "DX NEWS"

November 1, 1947

## LIST OF EUROPEAN B.C.B. STATIONS OF 50 KW. &amp; OVER

Kc/s.	Location	Kilowatts	Kc/s.	Location	Kilowatts
556	Beromunster, Switzerland	100	850	Sofia, Bulgaria	100
565	Athlone, Eire	100	877	Brookmans Park, England	100
574	Stuttgart, Germany	100	886	Alpenland, Austria	100
610	Florence, Italy (#1)	100	904	Hamburg, Germany	100
628	Prague, Czechoslovakia	120	913	Toulouse, France	100
648	Limoges, France	100	922	Mavay, Czechoslovakia	100
668	Norden, Germany	100	977	Start Point, England	100
688	Moorside Edge, England	100	995	Hilversum, Netherlands (#2)	60
677	Sottens, Switzerland	100	1004	Bratislava, Czechoslovakia	50
695	Paris, France	100	1017	Droitwich, England	60
704	Andorra, Andorra	60	1022	Madrid, Spain	120
704	Stockholm, Sweden	55	1031	Coblenz, Germany	50
713	Rome, Italy	100	1050	Stagshaw, England	100
722	Hilversum, Netherlands (#1)	120	1050	Lisnagarvey, North Ireland	100
722	Leipzig, Germany (Russian Zone)	100	1036	Falun, Sweden	100
740	Munich, Germany	130	1131	Horby, Sweden	100
758	Warsaw, Poland	50	1140	Brookmans Park, England	60
767	Burghhead, Scotland	60	1149	Moorside Edge, England	60
767	Westerglen, Scotland	60	1143	Westerglen, Scotland	60
785	Leipzig, Germany (Russian Zone)	100	1185	Nice, France	60
804	Washford Cross, England	60	1249	Munich, Germany	100
814	Milan, Italy	50	1249	Stuttgart, Germany	100
823	Tunis, Tunisia, Africa	60	1303	Bologna, Italy	50
850	Stavanger, Norway	100	1357	Turin, Italy	80

These are the most likely Europeans to be heard in America this winter. For a complete listing of foreign stations, refer to the National Radio Club Broadcast Station List appearing regularly in "DX News."

\*\*\*\*\* MUSINGS OF OUR MEMBERS \*\*\*\*\*

Fred Van Voorhes - Flushing, N.Y.

DX activity has been very limited, due to the fact that I have flown more hours this past three months than ever before in any three-month period since I've been flying. Making regular trips to Frankfurt, London, Brussels, Lisbon and Johannesburg, South Africa. I have DXed two mornings with reports out to WDBJ WMEB WCFL. WDBJ is verified now. Follow-ups from last season have added WARD WKEY WJOY CKVL (2 cards) & KTHS recently. Total on ECB now is an even 700, with 18 reports still out from last season and this. A note here may also explain why the foreign log isn't in every issue. I am just not getting the time to get it out. It will continue, and be in as often as I can get it in until it is finished. Here's a note for you Eastern Seaboard DXers. The French Paris Program (Good on Limoges on 648 Kc/s.) has an English portion from 4:30 to 5:30 p.m. every afternoon. Horby, Sweden, on 1131, plays American records from 4:30 to 5:00 p.m. daily, too.

Roger Anderson - Grove City, Penna.

My good friend Charles Bender has been a member of the NRC for some time, and has induced me to join the club. I have always been interested in his NRC bulletins. As for DXing, it has been my favorite hobby since 1939. My log totals approximately 650 broadcast station heard, and 170 verified, including seven countries. At present, I am using a Hallicrafters S-38 receiver with a 95 foot inverted L antenna, running perpendicular to Bender's 150 foot antenna, between the dormitories here. I am very much interested in purchasing an SX-43 receiver, and shall do as much as possible to procure one when the government comes through with our subsistence checks. Charlie & I are both seniors here at Grove City, having each had 2 yrs. prior to the war, when he went in the Army & I in the Navy, where I was in the communications. Incidentally, I did some high power DXing on my watches and spare time in the Western Pacific, where around the Marianas, US stations would come in very well on our National and Welle-Gardner receivers in the afternoon between 3 and 5. It seemed quite a phenomenon to me! I shall be very glad to receive my bulletin in the future, & become an active member, divulging what info I can for the ECB stations to the other members. (Welcome to NRC, Rog, & let's have rpts!)

## Low Power Automatic Radio Has Limited Range But Many Uses

A small communication system, designed originally to provide tourist information to people traveling thru Montana's Big Sky Country, has many applications.

Designed by Darrel Smith of Cut Bank, Montana, the Info Systems system is actually a low-power, limited range, automatic radio station. The AM band radio operates below FCC limitation and does not interfere with commercial radio. The individual transmitters can be set to operate at any frequency between 550 and 1600, depending on the vacant spot on a local dial.

Info Systems operates from daylight to dark through a timer system. It works on either AC or DC current and tests in Yellowstone Park show it has a range of four-tenths of a mile and on up, depending upon the situation. Messages—half of them related to tourist and half to commercial information—run 7½ to 10 minutes.

"Info Stop Broadcasters" were installed at 11 Treasure State sites in 1970 as a pilot project. This year, the service has been expanded to 31 sites, both public and private in Montana.

Info Systems is now working with the California Highway Department on a plan to implement a radio zone area for relaying traffic information to motorists using a 17-mile stretch of the San Diego Freeway.

Use of the communication system is also being considered for a number of other areas, including: a closed circuit radio for large hotels or entertainment complexes to provide guests with up-to-the-minute information about what is happening; a tourist information guide for points of interest either at fixed locations (parking-pull-off areas) or as a continuous (radio zone) tour operation; a public address medium for outdoor events, such as little league ball games, snowmobile races, and so on, permitting spectators to hear what is happening through use of their car radios if there is any difficulty hearing the public address systems or the weather is bad; a real estate development information service; an information service for college campuses; a driver training teaching aid; a sports complex information-promotion service; a campground information source; an automobile dealer car lot information service; a ski information service; and many other possible uses.

For complete information use the handy Reader Service Card in this issue or write *Info Systems, P.O. Box 1201, Bozeman, Montana 59715.*

COMMUNICATIONS NEWS / DECEMBER, 1971

## DOMESTIC CONTEST RESULTS AS OF JAN. 15, 1972

1st Robert Neal	53,424
2nd Ken Onyshuk	40,189
3rd Dave Simko	25,230
4th Keith Birlingmair	22,020
5th Dave Christensen	17,164
6th Frank Wheeler	14,826
7th Charles Gill	14,515
8th Jack Hathaway	13,570
9th Mahon Stillwell	10,602
10th Harold Cox	9,900

No entries from:

Bruce Winkleman, Jim Renfrew, Cary Pall, and last, and by all means least, Donald E. Erikson.

Remember that your next reporting date is March 15. Good luck - BGK

## DOMESTIC X DIGEST



EDITOR:

17

R. J. Edmunds  
Box 946  
Wayne, N.J. 07470  
(201) 335-6397

A week's unexpected hiatus this time due to the Viet Nameese flu or some other such variation. Thus another big column, and, as we were already behind, we're even worse off. Arbitrary pre-dated deadline this time with all info in the fold by Fri. PM 1/7 in this issue. Have stuff rec'd later from Lawrence, Boyd, Dildine which is held over. Also some stuff from PT & myself from MM 1/10 & SM 1/9 held. Now on to business.

### R/C's

DECEMBER: 1st SA: WEZJ-1440, WKDO-1560, WMOV-1360, WGOV-1290; 3rd MM: WNE-1480, KWLA-1530; 4th MM: WCM-1050, WCB-1590, WTOP-1500, WTLB-1310, WNAK-730, WSWN-900, WPPA-1360, WGOE-1590, WTON-1240, WRAK-1400, WHAT-1340, WBCB-1490, WFEC-1400, WBIR-1240.  
NEW CHECK: 4th TU, 0200-0215, WENK-1240, TN, w/TT (Wes Boyd, Youngstown, Ohio)

### changes

+ 620 WETE-IN ex-WATE  
+ 610 WVEL-FL ex-WMEL  
+ 1060 WTLE-MS new call - Tupelo  
+ KHYM-TX new call - Gilmer

### call applications

920 WMEG-FL req. WMEL  
1350 KTOH-HI req. KIVM  
1510 CP -PA (Homesdale) req. WHPA

### sunrise & daytime

+ 950 WXLN-MD This newie noted on finally, called, came on 12/15 @ 0717, has applied for unlimited time, which they'll never get (right - RJE) and for a psa. (Perry Crabill, MD.) ADD is 142 Congressional Le., Rockville, Md. 20852.  
1080 WEEP-PA Hrd w/WBAL splash w/ c&w 12/22 1030 (Jos. E. Kureth, Westminster, Md.)  
1300 WTAQ-IL Hrd w/ part SS pgmg & lotsa polkas 1/2 1559 (Kieth Birlingmair, Rockton, IL) \*\* Strange combination, SS & polkas-RJE  
1340 KROS-IA Hrd 1/2 1534 w/ MoR, ad. Usually WRIT here. (KB)  
1410 WLSH-PA Pulled from under normal pests WPOP-WHT3 for newie 12/28 1315 (RJE)

### sunset & evening

540 WARO-PA Atop w/nx, ad for Canonsburg Note, sx, SID 12/28 1638-44 o/u WRIC, WDMV. (RJE)  
WYNN-SC Hrd w/ nx, ID 1657 12/28 o/u WETC, WGTO. (RJE)  
580 WDBO-FL Hrd w/ID, CBS nx, spot for Fla. A&M, 1720 11/28 (Eric Di Ricco, Pgh, Pa.)  
600 WPDQ-FL L&C 1730 11/28 w/"Super-60-WPDQ" jingles. (ED)  
690 WZAP-VA In fair-poor w/CHF 12/28 1708 w/c&w (RJE)  
730 WEGS-OH Hrd w/ relig. u/WMA, CKAC 12/28 1647 (RJE)  
800 WSHO-LA Hrd s/off 1758 12/29 (Dick Northup, Hendersonville, NC)  
WHOS-AL Hrd w/ nx 1730 12/19. (DN)  
860 WLBG-SC Hrd 1510 12/21 u/WSTH (DN)  
880 WRRZ-NC Pulled from u/WCBS 12/28 1655 w/ID (RJE)  
920 WCTA-AL Hrd w/ nx 1725 12/18 (DN)  
CKGY-ON Hrd 1900 12/27, dominant. (Leo Alster, Rahway, NJ)  
KARK-AR Hrd w/rr 1/3 2041, gone 3 mins later (KB)  
+ WBAA-IN S/off 1/3 2200, to return 0800 (KB)  
990 CBY -NF Very strong w/ WIBG looped 12/27 1828 (Alster)

X 1050 WLON-NC S/off 1715 12/30 (DN)  
 1000 WKYB-SC Hrd 1615 completely atop w/rr 11/28 (ED)  
 WGO3-SC Hrd s/off u/WJFL 1720 12/29 (DN)  
 1010 WGUN-GA Hrd s/off 1730 12/30 (DN)  
 1070 WHPE-NC Hrd w/ WHYZ, WFLI 1655 12/23 (DN)  
 1290 WCCO-CT Hrd 1628 12/12 w/ ads for several Bridgeport stores, and the "Fairfield Store" (ED)  
 1460 WBCU-SC Hrd c&w u/WOKO religion 1900 12/21, ID'ed weakly as this (RJE)  
 1500 KDFN-MO Hrd w/ c&w 1728 12/28 (DN)  
 X+ 1530 WTHO-GA Hrd several eves recently after WJDM s/off. Verie sez has CH power of 355 watts. (Joe Fela, S. Plainfield, NJ)  
 1520 WKMG-SC Hrd w/ mx, ads 1638 12/20 (DN)  
 1540 WJGA-GA Hrd w/ mx u/AXEL, WPTR, ZNS 1752 12/31 (DN)  
 1550 WMOO-AL S/off following relig. pgm 1759 12/19 (DN)  
 WRIZ-FL S/off 1730 12/31 (DN)  
 1570 WGHG-GA S/off u/CFOR 1730 12/28 (DN)  
 WRL-AL Hrd L&C 11/28 w/ relig. & wx for N. Ala., then s/off (ED)  
 1580 WCRV-NJ Hrd w/ local ads 1633 12/20 (DN)  
 WKUN-GA Hrd s/off 1730 12/20 (DN)  
 WSRF-FL Hrd 12/29 1830 w/rr w/ CBJ looped (Alster)  
 1590 WCSL-NC Hrd s/off 1715 12/23 (DN)  
 1600 WKSK-NC Hrd s/off 1714 12/20 (DN)  
 WEUP-AL Hrd w/ WRBN 1720 12/20 (DN)  
 WRBN-GA Hrd w/ mx 17 20 12/20 (DN)  
 X 1080 WKAC-AL Hrd u/WKLO, WTIC 1740 12/19 (DN)

### midnight to sunrise

560 WIS -SC Noted off 0107 12/15, off AN. Dunno MM s/off (Wes Boyd, Ohio)  
 WQAM-FL Still AN-rrr, SP MM's, a pest as usual 12/28. (Boyd)  
 WGAN-ME W/headlines & wx for Maine 0400 1/3, then into MoR 0402, first time here (Jerry Starr, Youngstown, Ohio)  
 \* 570 WKYX-KY Hrd 0102 12/28 w/ WKBN mull'd w/ nx,wx, so on past listed 0100 s/off (ED)  
 \* WUNC-NC Hrd L&C w/ several ID's, rr 0110 12/28, on past listed s/off. (ED)  
 580 WCHS-WV O/WKAQ 2300-0000 12/23, numerous spots. (Ron Musco, Windsor, CT)  
 WTAG-MA ET ID 12/27 0125 (RM)  
 600 WTAC-MI Hrd o/WICC w/ Mark Stevens Show 12/24 (RM)\*\* Time ?? -RJE  
 620 WVMT-VT Hrd 0130 11/28 a/u WTMJ for Vt. #1, (ED)  
 CKCK-SA Hrd 1st time w/c&w, ID 0237-0300 12/27 atop WSUN (RJE)  
 680 CFTR-ON Hrd for call change way o/WINR 12/27 0302 (RJE)  
 730 WNAK-PA Stumbled on this one w/ET-mentions of NRC 12/27 AM. Unn. (RM)  
 IRCA-NRC DX good 0030-0200, some QRM de UKDM, also FF & SS here after 0100. (Tom Sundstrom, Willingboro, NJ) \*\* FF probably CKAC, SS is Mex. -RJE  
 CKDM-MB Complete ID 0100 12/27 & apparent s/off thru WNAK. (TRS)  
 740 WKIS-FL OC-test w/ID 12/20 0052 (JEK= Joe Kureth)  
 x 550 KFTR-ND 2nd time heard w/ MoR 0210 1/2, alerted me to a NW opening (KB)  
 x 590 CKEY-ON Hrd w/"Night Watch" show & wx 1/3 0431 (KB)  
 930 WLLL-VA OC-ET w/ one ID 0357 12/20 (Boyd)  
 WEOL-OH W/spots & MoR from FM, maybe ET or maybe AN, hrd 12/18 0145-0200+ (Boyd)  
 WJAX-FL Hrd 12/21 0209 alone w/ auroral cx (JEK) \*\* Even in auroras I get WPAT, only stronger 'cause no WBEW QRM -RJE  
 WKY -OK 12/27 DX NOT hrd, 0300+ due to NSP WPAT which tied up freq. (TRS) \*\* I hrd WKY once 2 yrs ago w/PAT on and almost died of shock, hi - RJE)  
 CFBC-NB All alone 12/27 0150-0215 t/out w/ John O'Shaughnessey show, numerous Ky. Fried Chicken ads. (RM)  
 940 CJGX-SA Last hrd 10/70, hrd w/ c&w 1/2 0229 (KB)  
 WINE-CT ET w/ instr. Xmas stuff 0113-0145 s/off. Annot. testing AM, FM, asking for repts, good o/KIOA, wk. WILD, no WINZ pest 12/17 (WB)

950 unID w/some 1KHZ TT & mucho OC 0120-0215+, had spurs +- 5kHz. (Boyd)  
 960 CFAC-AB Hrd 1/2 27, avging a province a month, hi. Found this over CHNS 0220-0250 w/ Arnie Jackson show, ads for White Spot #5 restaurant and c&w mx. (Musco) \*\* For SA: try CBK or CKCK, for BC, I ain't even hrd that yet - RJE  
 WFIR-VA Hrd 1/2 0224 w/ spot against air pollution (KB)  
 970 WAVE-KY Wk sig. 0302 1/2 w/talk about the 1st baby of the year in area: in Pikesville, who gets free a 4-yr college education & lyrics worth of free medical supplies -- such luck... (KB) \*\* Bah, Humbug! - RJE  
 1000 KOMO-WA ET-OC 12/27, carrier on 0329, ID 0331 (Starr)  
 1050 WCGB-PR When replaying tape, noted another ID & a code ID 0121 12/6 so sequence now runs abt. 2 mins. Youse guys w/tapes, keep trying... (TRS)  
 + 1150 WIMA-OH Another on past listed s/off 12/28 hrd L&C w/ CKOC mull'd, no sign of WJUE 0208. DJ said AN (ED)  
 CJRC-ON Surprise 0028 1/2 in/out w/CKOC (KB) (RJE)  
 + 1170 KSTT-IA Hrd hereon RS w/rr, talk u.TT's 12/27 0120. Believe is NSP  
 1220 WAQY-AL On ET killing WGAR. OC, TT, few ID's 0215-0305+ 12/15 (Boyd)  
 WAVN-MN ET-TT & poor copy on ID's well u/WGAR 015202021 12/29 (Boyd)  
 unID= Poor u/WGAR but a C-call, member CBC net s/off 0205 12/29, maybe CJSS?? (Boyd)\*\* I'd guess CHSC, Wes - RJE  
 1230 WBLJ-GA ET 12/22 0110-0135+ well on top (Boyd)  
 WJNO-FL W/ HI-AN thing just above mess 12/22 0325-0401 (Boyd)  
 WBOK-LA W/ r&b & spots, sounds much like WKOK 0235-48 12/16 (Boyd)\*\* also, I'd guess like WAOK, KXOK, etc., all part of that "OK-Radio" chain - RJE  
 1240 unID= Who ran end-on-end old Chickenman things 0145-0205+ 12/28?? (Boyd) \*\* Some sickie, fer sure.... and you survived listening to it that long without mental derangement???? -RJE  
 WDXY-SC Had ET-TT after r/c hrd ID 0200 12/27 (RJE)  
 1280 CHAM-ON Hrd weakly w/rr u/CJMS, CKCV FF's 0235 12/27 (RJE)  
 1290 unID Str. looping west w/ program "The Night Hour" giving program address as Box 334, Harrisonburg, Va. 22601 on 12/27 0246 (RJE)  
 \*\* WRIK-FL In briefly w/ ID, rr 12/20 0142 (JEK)  
 WSHF-AL 0113-15 12/15 ann'd. as ending f/c. Only OC, and one ID (Boyd)  
 1310 WDOD-TN Hrd 1/3 0605 w/ nx,wx & c&w. (KB)  
 1320 WKAN-IL Caught ID jusy after 2330 1/1 (KB)  
 \* WOIC-SC 12/21 0105 w/ r&b, maybe AN-6 ?? (JEK)  
 WVOJ-FL W/ WOIC 12/21 w/ c&w (JEK)  
 1340 WNHC-CT Stumbled onto 0200 s/off 12/29 (ED)  
 XX 1060 CFON-AB Finally logged 0300 in insipid HI-AN show 12/27 (ED)  
 1350 WSMB-LA Ending nx 0133 12/20 w/ some WSLR looped out (JEK)  
 WSLR-OH Noted off 12/17 0145 leaving CKLB atop WKLX, WSMB, unID's. Back on 0232 w/ total s/on. Maybe a SP. (Boyd) \*\* That'd be a hell of a time for one, but I suppose we should be thankful for small favors, hi - RJE  
 1360 KRYX-TX W/ ckn rr 0255-0333, local psa's wx. Is NSP, and AN MM DJ is Alex Garcia. (Boyd)  
 unID c&w format buried u/WDRG & WPPA r/c 0035 12/27. Unn. WBAY or something good, like the above ?? (RJE)  
 unID ET-TT 0005 t/in to 0015 s/off 12/31 w/ 3 or 4 voice ID's but too much WDRG to get. Looped 200-2200, 1 kHz. tome, sounded like a f/c, help?? (RJE)  
 1380 WLCY-FL Insipid ET-OC-TT w/ sloppy slurred almost unhearable ID's as usual 0225 t/in +++ 12/27 (RJE)  
 WTEE-IN Hrd wk s/off annot and SSB u/CKPC 0058 12/27. (RJE)  
 unID S/off SSB looping NW 0105 just revealed by CKPC s/off 12/27. Presume KLIZ, so will try again (RJE)

1390 WKTS-TN W/tele-talk 0050-0108+ 12/15 (Boyd)  
 WFMJ-OH S/off 0203 & OC to 0220 12/18 (Boyd)  
 WNUS-IL Noted on MM 12/20, NSP??? (Boyd) Also on 12/27 - RJE  
 1400 WJHO-AL Unn but good tape w/rr 0225+ 12/18 (Boyd)  
 + 1440 WAJR-WV Stn sez sch is now 0450(0600)-0205(0100) as of 12/1 (Boyd)  
 Test good, day patt. weaker than nite patt. here 12/20 on  
 500 watts. UNID TT in null. (Boyd) \*\* Wes, have you ever  
 considered the possibility of that being a 1439 het from  
 the Cuban on auroral nites, such as that or other times from  
 Luxembourg??? You seem to report that "unid TT" often - RJE  
 ET-OC-TT 0130-0200+ 1/3, powerful signla. (Starr)  
 + 1450 WLYV-IN W/nx 0415-0420, then into rr 1/3, is ABC not Mutual, but  
 not sure which ABC (Starr)  
 WMPJ-FL In like a 5 kw local MM 12/20 w/rr and "World's most famous  
 beach". ID 0203, now for WOCN.... (JEK)  
 14190 KLIF-TX W/ talk pgm 0140 12/27 (JEK)  
 1450 WAGO-PA Just above mess 0027-34 w/ c&w 12/22 (Boyd)  
 WMOH-OH One of closest heretofore unheards poor copy w/ spots MoR 0016-  
 0025+ 12/23 (Boyd)  
 \* 1460 WXOK-LA W/ r&b and many spots 0042-0135, no KSO,WOKO,CJOY; WPNX weak,  
 noted on past 0310 12/18, so maybe AN (Boyd)  
 KWMX-WA Turned out to be the one w/PST TC's 0149 1/3, jingle ID 0200,  
 no news, pop mx. Atop until ruined by KSO TT 0212. (Starr)  
 +XX+1340 WUSJ-NY S/off 0206 12/30 w/ instr. SSB for change in log (Starr)  
 \* 1470 WBIG-NC Hrd s/off 12/28 w/SSB 0205, new SP or off AN??? (Boyd)  
 1480 KBOX-TX Hrd w/ c&w 0115 12/20 (Gary Shea, Milwaukee, WI)  
 1490 WTUP-MS Hrd w/ nx 0155 12/20 (Shea)  
 KOTN-AR Hrd w/ nx, wx by hesitating amcr 0215 12/20 (Shea)  
 + WJMO-OH W/ r&b, nx 12/20 0340-55, 1st time at nite, and much better  
 than daytime sigs. Is on MM's (Boyd)  
 1500 WDEN-GA W/ET-mx and lotsa ID's 0435+ 1/3, ho-hum (Starr)  
 1550 unID-IN Hrd ad for Frankfort Ward's store & wx for central & southern  
 Indiana 1/3 0607, WCVL or WCTW?? (KB) (Boyd)  
 WTHE-GA Hrd w/ET 12/29 w/ TT, instr. mx 0148-0305+, only ID hrd @0259  
 + 1560 KPMC-GA S/off ancnets. 12/22,23,27 say sked is now 0845-0303 (Boyd)  
 1580 WCLS-GA Noted off 0438 1/3, returned 0457 w/ ID, then right into rr  
 pgm. Was after unID TT'er here who went off 0500 w/ no ID(Starr)  
 1590 WISZ-MD ET-OC w/ ID 0301 12/27 smashing semi-local WAJR (Starr)

That, folks is that, but next week'll be about as big.

HELP???.... John Lombardo will be unable to continue doing updaters, and your  
 editor has about 2 pages worth of items already, but no time to  
 compile or type it. Can we have a volunteer to collect, edit, and  
 type all updater material????

Foxy reply dept. : Re comments in 1/8 IDXD on groundwave, normally, these stns.  
 appear on skywave, but, during an aurora, several high-band NE stns.  
 are in rock-steady all night, indicative of groundwave reception  
 \* \* made possible by absorption of normal skywave interferences. Stations  
 usually noted such are: WFEA-1370, WBSM-1420, WAAB-1440, WTXL-1490,

*Bob's Risk*

FOREIGN CONTEST STANDINGS.

TA Div.		
Entrant	Points	Forms
Taylor, NJ	863	3
Edmunds, NJ	761	3
all others	0	0

LA Div.		
Entrant	Points	Forms
Edmunds, NJ	816	4
Objio, DR	524	3
Taylor, NJ	408	2

NA Div.: Bundy, Truk		
Entrant	Points	Forms
all others	0	0
Steele, IL	120	1
all others	0	0

=====LA Log Updater=====

Station List for HONDURAS

The following listing is presented "as is" due to the many changes in Honduras recently. It is, at the same time, recognized that a number of changes and inconsistencies exist in this list, which is an official government listing dated April, 1971. A new list has been offered "as soon as it is ready" and changes will be noted at that time.

560	HRTX	1	R. Satélite		Tegucigalpa
570	HRT2	1	R. Satélite	Relay	Choluteca
580	HRT3	1	R. Satélite	"	Sigatepeque
590	HRPP	1	Radiópolis		Tegucigalpa
610	HFLP	10	R. América		Tegucigalpa
630	HRXY	1	R. Novedades Seis Treinta		Juticalpa
640	HRMT	1	R. Molino Pojo		San Pedro Sula
	HRUP	1	R. Exitos		Tegucigalpa
650	HRLL	1	R. Comayagua		Comayagua
670	HRN	10	La Voz de Honduras		Tegucigalpa
690	HRVO	1	La Voz de Honduras	Relay	Choluteca
700	HRRT	1	R. Exitos		San Pedro Sula
	HRLL	1	R. Feloj		Tegucigalpa
710	HRRH	1	La Voz de Occidente		Sta. Fosa de Copán
715	HRTV	1	R. Caribe (I. Televisión)		Tegucigalpa
720	HRTV2	1	I. Televisión		San Pedro Sula
730	HRQQ	.25	P. Musical		Comayagua
740	HRXW	1	R. Comayaguela		Tegucigalpa
750	HRDN	1	R. Caribe		La Ceiba
760	HRUV	1	R. Eco		Chamalecón
770	HRNQ	10	R. Morazán		Tegucigalpa
780	HRMN	1	La Voz de Honduras	Relay	San Pedro Sula
790	HRMV	1	R. Aguan		Coyoles Central
800	HRMD	1	R. Yoro		Yoro
820	HRXS	1	R. Sula		San Pedro Sula
830	HRSP	1	R. Moderna		Tegucigalpa
840	HIGO	1	R. Porteña		Pto. Cortés
	HRVY	1	R. Televisión		Choluteca
850	HRBS	10	R. San Pedro		San Pedro Sula
	HRVZ	.5	R. Televisión		La Ceiba
860	HRU	10	R. Centro		Tegucigalpa
870	HRGG	1	R. Actualidad		Villanueva
880	HRVX	1	R. Televisión	Relay	San Pedro Sula
900	HRZV	1	R. La Fabulosa		San Pedro Sula
910	HRVS	10	R. Católica - LV de Suyapa		Tegucigalpa
930	HRZE	1	R. Cortés		Fuerto Cortés
	HRJW	1	R. El Patio		La Ceiba
950	HRYN	1	R. Panamericana		Tegucigalpa
	HRBT	1	R. Norte		San Pedro Sula
960	HRGZ	1	LV de Atlántida		La Ceiba
970	HRCU	1	R. Copán		Santa Fosa de Copán
980	HRTL	1	R. Tic-Tac		Tegucigalpa
990	HRVD	1	R. Paz - LV del Desarrollo		Choluteca
1000	HRLC	1	R. Continental		San Pedro Sula
1020	HRCA	1	R. Mil		San Pedro Sula
1040	HRXI	1	R. Ceiba		La Ceiba
	HRVH	1	R. Mil		Tegucigalpa
1050	HRLE	1	R. Emperador		S. Pedro Sula

# =====LA Log Updater=====

1070	HRQL	1	R. Sigatepeque	Sigatepeque
	HRXF	1	R. Meridiano	Choluteca
	HRID	1	R. Liramar	Tela
1080	HRVA	1	R. Tiempo	San Pedro Sula
	HRUM	1	R. City	Tegucigalpa
1100	HRPL	1	R. Progreso	Progreso
	HRVU	1	R. Mil Cien	San Pedro Sula
1110	HRDU	1	R. Internacional	Tegucigalpa
1120	HRD4	1.5	R. Oriental	Danli
1130	HRFO	1	R. Universal	Tegucigalpa
	HROD	1	R. Aeropuerto Internacional	San Pedro Sula
1150	HRQN	1	LV del Atlántico	Puerto Cortés
	HRVY	1	R. La Fabulosa	Tegucigalpa
	HRFX	1	R. Esmeralda	La Ceiba
1170	HRVW	5	La Voz de Centroamérica	San Pedro Sula (?)
1200	HRZM	1	R. Variedades	Tegucigalpa
1220	HRZO	1	LV de la Costa	San Pedro Sula
	HRTS	1	R. Excelsior	San Pedro Sula (?)
1230	HRQL	.5	Cento Radial Hondureña	Sigatepeque
	HRZC	.5	R. Monumental	Tegucigalpa
1240	HRJU	1	R. Juticalpa	Juticalpa
1250	HRQ	1	LV de Suyapa	San Pedro Sula
	HRLV	1	R. Colonial	Tegucigalpa
	HRIC	1	R. Latina	El Paraiso
1260	HRFZ	1	R. Caticamas	Caticamas
1270	HRYT	1	R. Estrella de Oro	San Pedro Sula
1290	HRHL	1	R. Cultura	Tegucigalpa
1300	HRXX	1	R. Lima	La Lima
1310	HRQQ	1	R. Cadena	Tegucigalpa
	HRAU	1	R. El Faro	Puerto Cortés
1340	HRM6	1	R. El Mundo	San Pedro Sula
1350	HRCO	1	R. Favorita	Tegucigalpa
1380	HRVC	1	La Voz Evangelica	Tegucigalpa
	HRST	1	R. Primero de Mayo	San Pedro Sula
1400	HRPI	1	El Eco de Honduras	San Pedro Sula
1420	HRSY	1	La Voz del Pacifico	San Lorenzo
	HRGZ	1	La Voz de Atlántida	La Ceiba
	HRQW	1	R. Tropico	Tela
1440	HRIC	1	La Radio del 70	Puerto Cortés
	HRZT	1	R. Titania	Tegucigalpa
1450	HRUD	1	R. San Isidro	La Ceiba
1460	HRON	1	R. Landia	Comayagua
1480	HROC	1	R. Bahía	Moatán
1490	HRDW	1	R. Clasica de Honduras	Tegucigalpa
1500	HRNH	1	LV del Junco	Santa Barbara
	HROFM	1	R. Estereo Centro	San Pedro Sula
1540	HRMS	10	R. Patria	Tegucigalpa
1560	HRGI	1	R. Comercial	Tegucigalpa

Note: Several stations appear listed twice. These stations operate on two separate frequencies at different ends of the band in the same city, in parallel with the same programming. Also, the government no longer lists HRVW-1170, but it has been heard recently so it is kept on the list.

DFG



ROBERT FOXWORTH  
GPO BOX 2111  
NEW YORK, N.Y. 10001

All times in IDXD are in GMT. Editor's Tel No 516-248-4394. Deadline for arrival of items at Box 2111, New York is Wed. evening. Receptions:

- 550 Jamaica. RJR Montego Bay on 12/24 0003-0013 with girl reading the news, ads, and American-origin talk show. Poor under CMAN. (Dildine, Va.)
- 640 Guadeloupe. ORTF Arnouville hrd 1/4 from 0215 with soft instrumental jazz, TC at 0223 and into news in French; TC at 0227 and into s/off amnt and La Marseillaise; was mostly on top of SS QRM with CMQ nulled but splash from WMAL ruined my ID tape. (Feidt, Md.)
- 640 Venezuela. Ondas Porteñas, YVQO, Puerto la Cruz in under CMQ 0347-0355 s/off with Latin mx, IDs and anthem 12/31. (Dildine)
- 645 unID Oriental, female talker here with steady signal but too much KFI splash to get much more than that, 1050 11/21. WRTVH lists Peking. (Bennett, B.C.)
- 650 Hawaii. KORL with lost-pet amnt 0845 1/3 folo by musical ID. (Bennett)
- 650 unID hrd 0825-0838 1/3 with Latin mx, just above the noise, one ID at 0837 with singing ID right after. Suspect TIBAS, not sure. (Tull, Mo.)
- 655.2 unID SS 0650-0655 1/3 with repeated references to "Romantica" and "Radio ..Tropicale" and had heavy QRM. (Edwards, N.Y.)
- 660 unID 0741-0800 1/3 records in Eng, amnts in Spanish, nulls C.A., had one very rapid ID at s/off, no anthem, was a good s-3 to 4. (Tull)(XERPM? -ed)
- 660 Colombia. HJJM 0801-0823 1/3 with signal just above the noise, no one else on the freq from S.A.; positive "Radio Uno" ID by woman, Pepsi ad. (Tull)
- 670 Cuba. CMKP, San German 0714-0737 1/3 with US-style mx, Glenn Miller etc, woman deejay, L.V. de Cuba and San German mentioned often. Had a 10 Hz beat with WMAQ OC, s-4 to 5. (Tull, Mo)
- 675 unID. Noted signals on 674.5, 675 and 676.5 on 12/24 at 0515 using 51J-3 The middle one has Spanish pgmg, no clue as to the others. (Edwards, S.I.N.Y)
- 700 Colombia. HJGX with clear ID "esta es Radio Sutatenza" 0900 10/25 (Bennett)
- 720 Cuba. re Radio Cadena Musical (?), this sounds like the same network with another name; hrd 12/18 at 0316 with pop mx. (Objio)
- 725 Costa Rica. "Radio Columbia" strong here then a fast fade out. No sign of Suriman. Male in Spanish, then mx 0350-0355. (Edwards, N.Y.)
- 750 Nicaragua. YNX very strong at tune in 0430 ( I thought it was KXL testing) then a deep fade and in/out with WSB to 0559 s/off amnt. 1/3 (Bennett, BC)
- 760 Hawaii. KGU w/sports news at 0755 o/u WJR 1/2. (Bennett, B.C.)
- 770 Cuba. Radio Revolucion, CMKC 2345-2355 12/21 in WABC null with news, jazz, ID and more news. (Dildine, Va)
- 770+ Colombia. Radio Tequendama, HJXX 2335-2345 f/out 12/21 with het from CMKC, above. Ads, local music. (Dildine, Va.)
- 780 Br. Virgin Is. ZBVI in the clear 12/27 at 1000 s/on with GSQ, devotional service; frequent IDs, commercials mentioning St. Thomas, Tortola, TCs; good signal. (Parsons, Ont.)
- @ ZBVI 1022-1038 1/3 had an outstanding signal; WBEM had carrier on and did not fade them. Had morning devotional pgm, many spots for jet express, Woolworths, Kentucky Fried Chicken, Tropical cleaners, many IDs and TCs. This is one you can log with a longwire if you don't have a loop (On a Monday morning that is). (Tull) (Try that 40 miles away from WABC, hi-ed)
- \*\* 802.5 unID here, Oriental gongs and girl in what appears to be Chinese hrd here occasionally e.g. 12/28 0530 and later, 12/29 at 0545, 11/20 at 0754 was the best date, I have a tape of this for 25 milutes with about 3 min. clearly legible. Peking is listed on 803 but I seem to be the only one who is reporting this one. Help! I have a longwire on which this shows up, but no sign on any other antenna. Yes, it is on all receivers. (Edwards, N.Y.)
- 825 Costa Rica. TIOS tentative with US mx, weak modulation and bad splash from WCCO at 0935, faded away by 0948 10/22. (Bennett, B.C.)

- 830 Haiti. 4VEC Cap Haitien 0645-0715 12/27 on early for VDXA test with IDs every 15 minutes, station and test information and classical mx. Was even with WCCO. (Dildine, Va.)
- 834 Belize. S/off in English with prayer and anthem 0445-0505 10/24. (Bennett)
- 870 Hawaii. KAIM tentative with "Back to the Bible" ending 0830 then into cl mx and mentioned Lahaina Ave at station break. Under an intermittent WWL OC and an unID LA underneath (CMDN?) 10/25. (Bennett)
- 880 Guatemala. Radio Nuevo Mundo hrd with a tremendous signal 12/20 with ID at 0446 anncg a contest for listeners and marimba mx, looping WCBS. (Objio)
- 890 Dom. Rep. Radio Continental, HIPJ with ball game and ads for Mejoral and Brugal Rum 0036-0103 12/22; WLS nulled. (Dildine, Va)
- 950 Mexico. XEGM still coming thru KJR eveings quite nicely, last logging at 0854 Jan 2. (Bennett, BC)
- 990 Mexico. Radio Mundo, Mexicali XECL (per DXN of 12/18), got ID and partial call letters (though it sounds more like XER-) at 0625 12/20, lots of CKNW.
- \*\* 1000 Colombia. Radio Miramar, Barranquilla, a new station hrd for the first time on 12/27 IDing only as "Radio Miramar", AN, lots of pop mx. (Objio)
- 1010 Peru. Radio America, Lima, OAX4U was in and out with another unID LA from 0910 tunein with KOMO splash. Had definite IDs at 0950 and 0957 mentioning Peru. Had very good strength 1/4. Anyone else hear them? (Bennett, BC)
- \*\* 1025 Colombia. Tentative HJER Radio Pacifico, though someone reported them on 1030 in November. Very deep fades, commercial at 1053 mentioned "en Colombia", Cali ment at 1101 and Radio Pacifico. Much talking, no mx hrd, long pauses in speech and few commercials. (Bennett, B.C.) (The plot thickens,hi)
- 1100 Antigua. ZDK looped thru WKYC 12/15 0330-0402 with Christmas songs; s/off anmt includes ownership (Grenville Radio, Ltd.) and also anthem which is mot GSQ. (Parsons, Ont.)
- 1130 Colombia. Report and tape to HJCO for 10/15/71, airmail was returned to me 1/3 with Spanish notation on the envelope that the Bogota PO was unable to locate this station, even in their city directory, and the letter was unclaimed. Was sent to Trans. 6, No 27-10 per WRTVH. Anybody have a later QTH or other info? (Starr, Ohio)
- \*\* 1140 Colombia. Radio Cristal, Medellin now on standard freq, formerly on 1142, hrd with pgm of tangos 12/27 and IDed 0520. (Objio)
- 1150 Mexico. XEJP R. Mexicana ment at 0612, no sign of KAYO but hard copy with fades and splash from CKWX 12/20. (Bennett, B.C.)
- 1180 Dom. Rep. Sto. Domingo HIBE hrd 1/2 from 0725 o/u hash with Latin mx; had Radio Mil IDs between cuts and EST + 1/2 hr TCs; gave full ID at 0740; was actually trying for PRE3 which seemed to be the 2nd signal here. (Feidt, Md)
- 1180 Brazil. PRE3, Rio de Janeiro finally logged on 1/9 from 0703 with talk by man in Portuguese and mention of Radio Globo slogan and "Laura's Theme" as mx background, continued with much talk and occasional pop mx cut; music style sounded much more north-american than Latin. Signal was subject to long periodic fades, much like a TA and had a bad WOWO splash problem during the low ebbs. On peaks, PRE3 was a quite string s-7 however. (Feidt, Md)
- 1225 Costa Rica. "Radio B-C" or "B-B" desde San Jose with lots of instrumental mx, ID after every 15 minutes by girl with a very muffled sound and could not understand distinctly. S/off at 0600 with no NA. (Objio)
- 1480 Colombia. "Desde Lebrija, transmite R.C.N. por su emisora Radio Palonegro, HJTZ" Hrd here with pop mx, this ID at 0425 on 1/3, a move from 1465 (Objio)
- 1500 Mexico. Radio Tricolor, Mexico with pop mx on telephone requests, singing ID after every record, voice ID at 0527 on 1/3. (Objio)
- 1505 Anguilla. Radio Anguilla tentatively logged 12/13 2255-0027. Two note chimes IS approximately on the half-hour. News and commentary until 2329. Musical pgm to 0027, woman ancr, dedication of selections to listeners. On 12/17 hrd with ID, "Radio Anguilla". (Parsons, Ont.)
- Verification
- 844 G.E.I.C. Tarawa verified for reception of 11/15 with typewritten letter on Apsley airletter form, mentions "This must have been a good time for reception into the American continent for we have received several (cont'd)

## - IDX Monitor Reports -

reports for this same evenings transmission..." and further, "The reports all crosscheck pretty well..." (Parsons, Ont.) (3rd verie I know of for 11/15, Carl; you, me and Bob Leamy -ed)

## - Overlooked Items Dept -

- 1128 Colombia. 12/20/71 hrd good signal from Todelar stn 0112-0200, at 0200 had singing Todelar ID, TC ("Diez en punto") and then into "La Semana en el Mundo" pgm. Hrd this one during auroral cx; haven't seen reported before. (Moore, Mass) (Sorry I overlooked your report, Ray -ed)

## - Back of the File -

According to the January 1972 QST, Sax Ringler, W2SAW no longer handles the "DX Stamp Service" and it has been assumed by W2AZX. The latest Callbook gives his address as: George N. Robertson, 83 Rider Pkwy, Ontario, New York 14519  
-Andy Rugg, Quebec

Midwinter Anomaly has been with us for a month and a half now. Cx have been rotten, only relieved by aurora around mid-December. I had thought maybe the MwA did not affect Longwave, but it does. However, to relieve the monotony, I did tape Droitwich-200 at 2259 12/10 and Azilal, Morocco on 209 at 2330 12/7 to go with previous tapes of Oldenwald-151, Brasov-155, Allouis-164 which were taped last season. Am presently working on Moscow-173 and Monte Carlo-218 but signals are rather poor now. - Ray Moore, Mass.

Speaking of Longwave, I am slowly working on a regenerative TRF to cover the 150 to 500 range; if and when this project gets operational, hope to have some details in the bulletin. Currently awaiting large-dia coil forms. -ed.

Am more or less active now in my new QTH, about 30 miles away from the old scene of 50 kw monsters and such. Haven't got proper antennas up yet. This looks like a good location and plans call for a loop soon. Would like to construct a Beverage but I think the ground conductivity here is too wrong to make that worthwhile. - Dave Bennett, Surrey, B.C.

While I got some space here, might as well exercise my editorial sword (sri,mbn) and steal a few lines. Jan 6th was an exciting day for Paterson, N.J. DXers, for a famous NSPer there (which shall be further unidentified in deference to the numerous Federal agencies that read these words) was over 1 kHz off freq. My wife and I noted a tone on the channel while actually listening to the station for dinner music entertainment about 7 pm that day. Had a call from Michel Breger later that evening with info that "WPAT was off freq!" (Ignore that, U.S.Gov't) and the het was still noted there after midnight. Call to the xr site a couple of days later cfmd thatxtal heaters were off then, allowing freq to drift to the high side i.e. about 931 1/2 kHz. They were OK the next day. Hrd WBEN that evening for a big thrill here, hi.

Regarding loop pictures that appeared in Issue 39-12, I ought to point out, in case there is any confusion, that the feedline was disconnected, and the battery lead taken off. The batteries are sitting on top of the base, and power lead from them goes thru a switch mounted on the base, and the lead plugs into the small jack on the corner of the amplifier box. The 2 BNC connectors on the side of the amplifier box opposite the windings are the output connectors. Further, I should give credit where it is due. Steve Bohac made the spreaders out of 3/8 thickness sheet plastic (3/4 inch x 7 1/2 inches) for me, and the base is made from 3/4 inch plywood with pipe, and a 15/16 dowel about 3 1/2 feet long fitting in the pipe. Anyone desiring further specifics may write IDX Monitor Reports.

The ID-XD MR office has a newly acquired Technical Material Corp GPR90 RXD receiver and complementary GSE-1 sideband adapter. Before too long, a performance report will be prepared and will appear in DX News. We welcome to IDX another receiver man, Matt Edwards of Staten Island who has a 51J-3, SP-600 + HC-10 and a HRO-60. Matt, how about an article describing how these sets compare w/each otr?

GILBERT AND ELLICE ISLANDS COLONY  
BROADCASTING & INFORMATION DEPARTMENT

Broadcasts Tarawa

Bairiki,

BROADCASTING OFFICE,  
FUTU, TARAWA,  
G.E.I.C.

(In reply please  
quote: F.....)

2nd December, 1971

F: 5.2.7

Dear Mr. Foxworth,

Thank you for a most interesting letter, tape and reception report of radio Tarawa. On hearing the tape I am in no doubt that it was our signals on 844 KHZ that you were listening to. We are therefore happy to verify your report for 15th November, 1971 between 0715 and 0828 G.M.T.

You were in fact listening to our Ellice transmission and the announcer you recorded is Langi Ienisei who comes from the island of Nukulaelae.

I believe this report of yours is our most distant one to date. We did have a report in Philadelphia a year or so ago. As we are very near the equator the time of sunset does not vary very much throughout the year and the sun actually plunges into the sea at about 06.30 GMT.

You can tell your wife that it certainly isn't all fun working on a South Seas island, especially for a technical man. There are many frustrations and delays, still we have the compensations of a beautiful lagoon at our doorstep and glorious weather. We have a technician from U.S.A. working with our Post and Telecommunications department but the British policy is that expatriate are only employed where there is no local person trained to do a specific job, and as 'localisation' is going ahead as quickly as possible I don't think there would be any opportunities for you to work here. (What about the U.S. trust territories though). I am an engineer on secondment from the BBC initially for two years but my wife and I have recently returned for a second two year period. I installed our existing 10KW MF transmitter and studio center on Tarawa during my last tour and am now thinking about improving coverage of the Ellice islands. My proposal at the moment is to use a 1KW ssb link operating on about 17 MH to beam our signals 700 miles to Funafuti in the Ellice. Here we would receive and rebroadcast the Tarawa service at the low end of the MW band on a 2KW transmitter. (That will be a challenge for you). This would also mean that we could have a studio at Funafuti to originate Ellice programme material. Well nice to hear from you. Happy listening.

RADIO NEDERLAND - P.O. BOX 222 - HILVERSUM - HOLLAND

SHORTWAVE PROPAGATION COURSE

Dear Mr. Editor,

This is to draw your attention to the fact that Radio Nederland will be broadcasting a Shortwave Propagation Course in its weekly programme "DX Juke Box" as from Thursday, March 9, 1972.

The course will deal with many problems related to short wave propagation, how it is influenced by distance, season and time of day, and how it is affected by atmosphere, solar and cosmic disturbances, and will cover such other subjects as ground and sky waves, ionospheric layers, one-hop and multi-hop trajectories, absorption, fading, the sunspot cycle, solar flares and storms, signal strength in relation to radio noise, and propagation of VHF signals.

Printed text material will be made available free of charge to active participants, and full details of the times and wavelength of the broadcasts will be sent together with the first four lessons and the complete set of diagrams.

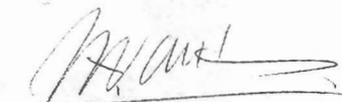
No technical knowledge is required to follow the course. The compiler is J. Vastenhou, author of "Shortwave Listening" and several of our other technical courses.

Enrolment is now open. Applications should be addressed to DX Juke Box, c/o Radio Nederland, P.O. Box 222, Hilversum, Holland.

No doubt many of your readers/members will wish to take part in this course, and you would greatly oblige us by giving it a mention in the next issue of your publication.

Thanking you in advance for your co-operation, and with every good wish, I am,

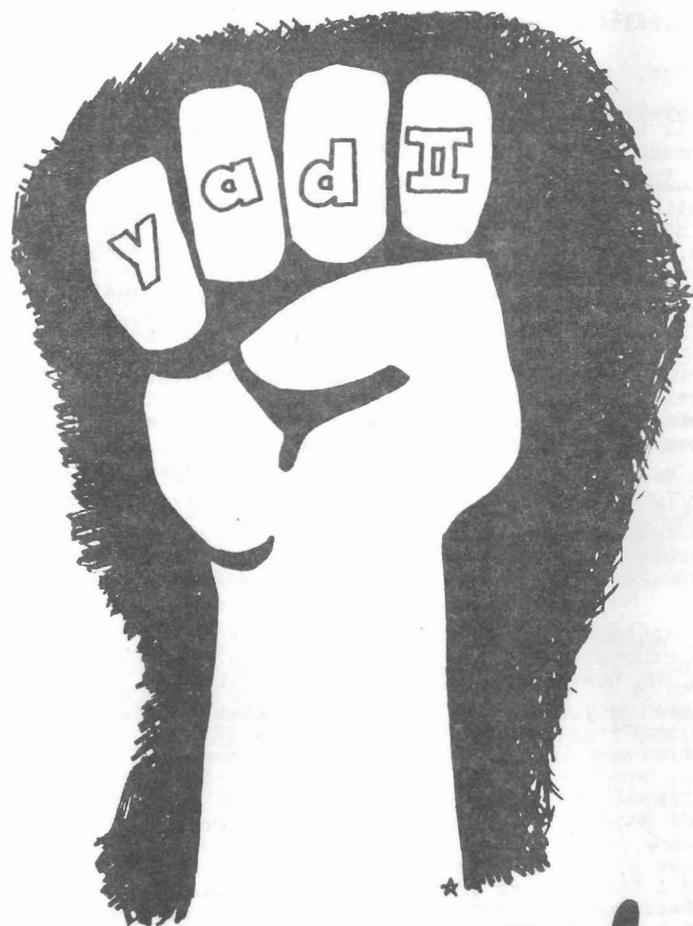
Yours sincerely,  
RADIO NEDERLAND WERELDOMROEP,



H. van Gelder, DX Producer,  
English Section.



E. A. K. B.  
Radio Popular



**YAD POWER!**

.....GET SOME FOR YOURSELF, EASTER WEEKEND '72!

## clears & classifications

MIKE COLLINS

The fact that KXEL-1540 Waterloo, Iowa overrides WPTR-1540 Albany, NY the majority of evenings even at points within 100 miles of Albany, might not seem logical, considering Waterloo is 1,600 miles away, especially when both stations operate with 50,000 watts fulltime. Such normal reception conditions on 1540 would not make sense, unless the classes of the two stations are known. KXEL is a Class I-B station while WPTR is only a Class II-B station. Knowledge of such classifications usually gives a good indication of which stations dominate large areas of the country, and which stations on the clear channels do not get out even with 50,000 watts, such as WHDH-850 Boston, WPTF-680 Raleigh, NC and KDAY-1580 Santa Monica, Calif. to name a few.

These classifications are assigned to all stations in the US, Canada, Mexico, the Bahamas and Cuba, under NARBA (North American Radio Broadcasting Agreement) which was drawn up in 1937 originally to prevent interference among stations in these countries. 60 of the 117 frequencies on the AM dial were set aside as clear channels, with certain ones set aside for each country (listed in the NRC Log). Only Class I and Class II stations are assigned to these channels.

Here is what the different classifications are and what they mean: Class I-A stations are unduplicated clear channels operating with a minimum of 50,000 watts (with a few exceptions) and with no set maximum (under the treaty that is. In the U.S. 50,000 watts is the maximum by law.) A Class I-A station has complete priority on its channel, especially at night, and all other stations must leave the air on this channel at sunset. If a foreign country assigns a full-time station (Class II) on a I-A channel, it must according to the treaty be at least 650 miles from the nearest border of the country, and be completely nulled at the nearest border of the country. Thus for example the fulltime U.S. stations on I-A Canadian clears like 540, 860 and 1580 to name a few are in southern parts of the country, and usually nulled in the north. There are exceptions to this rule.

Here is a list of the Class I-A stations: CBK-540, KFI-640, WSM-650, WNBC-660, WMAQ-670, CBF-690, WLW-700, WGN-720, XEX-730, CBL-740, WSB-750, WJR-760, WABC-770, WBBM-780, XELO-800, WBAP-820, WCCO-830, WHAS-840, CJBC-860, WWL-870, WCBS-880, WLS-890, XEW-900, CBW-990, CBR-1010, KDKA-1020, WBZ-1030, WHO-1040, XEG-1050, WKYC-1100, KMOX-1120, KSL-1160, WHAM-1180, WOAI-1200, WCAU-1210, XEB-1220, ZNS-1540, XERF-1570, and CBJ-1580.

In the U.S., the FCC is very strict about assigning any new stations to these Class I-A clear channels, and has not assigned any new daytime stations to them since the late 1940s. The Canadian gov't on the other hand has duplicated every one of its I-A channels except 1580. In the U.S., the FCC reached an historic decision by duplicating half of the Class I-A channels with one station in the West. These stations are known as Class II-A stations, and these are the only stations having this classification. They are the only other fulltime operations on their channel besides the I-A station, which they must protect at night. They operate with 10,000 minimum and 50,000 watts maximum.

Here is a list of the Class II-A stations operating on Class I-A channels and protecting those I-As at night: KBOI-670, KIQX-720, KCRL-780, KRVN-880, Utah-still unassigned-890, KSWs-1020, KTWO-1030, KREX-1100, KPNW-

1120, KOFI-1180 and KGYN-1210.

The reason this duplication is important is because it eliminated the possibility of the dominant I-A stations on these channels of ever increasing to "superpower" levels, 500,000 to 750,000 watts. The FCC chose them because they were all far enough East to permit assignment in the West, and the FCC is primarily interested in allocating superpower and Class II-A stations to reach the large so-called "white" areas of the West which have no primary nighttime radio service. KMOX was duplicated because the many stations on 1110 and 1130 in every direction from Saint Louis prevented the possibility of its ever going superpower, the FCC said.

The FCC rejected a proposal to duplicate the remaining I-A clears as follows: 640 Pa., Md., Va. or WV., 650 Montana (or 660), 700 Utah, 750 Arizona, 760 Idaho, 820 Wash., 830 Calif., 840 Alaska, 870 Oregon, 1040 Wash. or Oregon, 1160 North or South Carolina, and 1200 for New York, Vermont, New Hampshire or Maine. It might be noted that WDEA-1370 Ellsworth, Me. is seeking to have 820 duplicated and assigned as a Class II-A channel in Maine to serve the remote areas of that state.

The remaining unduplicated clear channel I-A stations have been left open for the possibility of "superpower". Here is the way the FCC proposed to direct the major lobes if these stations did increase to 500,000 or 750,000 watts:

(NNE is North/Northeast, etc.)

KFI-640 NNE U3	WCCO-830 W U2
WSM-650 SE U2	WHAS-840 SE U2
WLW-700 S U3	WWL-870 N U3
WSB-750 S U2	WHO-1040 W U3
WJR-760 W U3	KSL-1160 nd U1
WBAP-820 W U2	WOAI-1200 NNW U2

During the Johnson administration, the FCC failed to follow through with a plan to allow some of these stations to operate experimentally with the high power, and shelved the plan "because of a lack of funds" for the test and due to pressure from other stations to prevent the increases which would give the stations an overwhelming advertising advantage. Several of the stations have applied to the FCC for superpower on a regular basis, including KFI, WLW, WGN (which cannot get it due to KIQX), WJR, WCCO, and KSL. The applications are all for 500,000 or 750,000 watts, and at least one of them, that of WCCO, specifies a directional antenna. The FCC has not acted on these applications either.

The only station to ever have operated in the U.S. or Canada with a power greater than 50,000 watts is WLW which put out 500,000 watts from 1934 to 1939 when the Senate passed a law outlawing high power because of the competitive advantage it gave Crosley, WLW's owner. The nation's second 500,000 watt back then was to have been KDKA which built its new XMTR 50 miles out of town, but had to move back to its original XMTR site when it could not reach the city with only 50,000 watts from the location, after superpower had been banned by the Senate.

Mexico has a number of superpower stations above 50,000 watts including XERF-1570 with 250,000 (supposedly going to 500,000 to gain back lost territory from CKLM Montreal), XEB-1220 and XEG-1050 both 100,000 watts, XEW-900 with 250,000 watts, XELO-800 with 150,000, XEX at 500,000 on 730, and XEWA-540 with 150,000 (directional at night). The last station, XEWA, is considered by Mexico as a I-A station, though not recognized under NARBA

as such.

There are also a number of "special case" stations which operate on Class I-A channels fulltime, but do not in their operation prevent the possibility of the dominant stations on those channels from going to above 50,000 watts. They are KFAR-660 Fairbanks, KFQD-750 Anchorage and KFMB-760 San Diego. They are designated simply as Class II by the FCC.

Besides the Class I-A stations which are completely clear in the nation, there are duplicated clear channels known as Class I-B stations, usually one in the East and one in the West. On a channel on which Class I-B stations operate there may also be other fulltime stations designated as Class II (II-B in the US) which must protect the Class I-B stations. The Class I-B stations protect only other Class I-B stations, and have priority on the frequency. Class I-B stations operate with 10,000 watts minimum, 50,000 watts maximum.

Here is a list of the Class I-B stations (note that there are a few on Class I-A frequencies of other countries which they must protect): CBN-640, KNBR-680, XETRA-690, WOR/KIRO-710, WGY/KGO-810, KOA-850, CBM/XEQ-940, WCFL/KOMO/XEOY-1000, KYW/XEEP-1060, CBA/KNX-1070, WTIC/KRLD-1080, WBAL/KAAY/XEPRS-1090, WBT/KFAB-1110, KWKH/CKWX-1130, WRVA/XEMR-1140, WWVA/KVOO-1170, WOWO/KEX/XEWK-1190, WTOP/KSTP-1500, WLAC/KGA-1510, WKBW/KOMA-1520, WCKY/KFBK-1530, KXEL-1540, CBE/XEJJ (cp only) -1550, and WQXR/KPMC-1560. At one time, KOA was a Class I-A station but was demoted to I-B in the 1950s after a number of full-time Class II stations had been assigned to 850.

All the remaining stations on the clear channels, except for the I-A, I-B and II-A stations, are designated as Class II-B in the U.S., or just Class II under NARBA. They operate with between 250 and 50,000 watts and must protect the Class I stations on their channels. Some have wide coverage, such as XEDM-1580 Hermosillo, Mexico, WGAR-1220 Cleveland, CKLW-800 Windsor and KMPC-710 Los Angeles, and even WDXR-1560 Paducah, Ky. with its 1,000 watts. Others, such as KDAY-1580 Santa Monica, Calif. WAPE-690 Jacksonville, Fla., WNLC-1510 New London, Conn., and WRKO-680, WHDH-850 and WMEX-1510 Bosstown do not cover any areas at night that they do not normally reach during the day, and in fact have reduced coverage areas at night.

There are also a number of "Limited Time" stations on the clear channels, which are authorized to operate during the day, and in addition, during certain nighttime hours a daytimer could not normally operate. Also they are authorized to operate at night anytime the dominant Class I station is not operating. This is why, for example, KGBS-1020, a limited time station, can operate Monday mornings when KDKA is off the air. In many cases they are authorized to operate a few hours past sunset, WLIB-1190 NYC can operate until 15 minutes before sunset at Fort Wayne. WJJD-1160 stays on until sunset at Salt Lake City. The FCC has not granted any new limited time stations since World War II. WNYC-830 NYC has been operating on a limited time bases until nine o'clock in Minneapolis since World War II under special wartime emergency authorization, and WCCO has been trying to have WNYC returned to daytime status. WNYC is seeking to increase from 1,000 to 50,000 watts. A number of Limited Time stations have been trying for years to get fulltime authorization, but without avail; they include: KXL-750 Portland, Ore., WAIT-820 Chicago, KGBS-1020 Los Angeles, and KFAX-1100 San Francisco.

Presunrise authority, which has been granted to all regional stations, including daytimers, has been granted to all Class II stations (including daytimers) on Class I-B channels, Class II stations (including daytimers) on

on Mexican I-A Clear Channels, and to Class II stations (including daytimers) on U.S. I-A Clear Channels, if the station is located to the East of the I-A station.

Mexican daytimers on U.S. clears may not only operate pre-sunrise (6am to sunrise), but also post-sunset from local sunset until 6pm.

Cuba is authorized to have two powerful Class I-B stations under NARBA, on 1010 and 1560, but only a 5,000 watt station is operating on 1010 at present, and there is no station at all on 1560 in Cuba. (True, but CMGB, Reloj Nacional can usually be found somewhere between 1561 and 1562, contact RFS for latest variations - BGK). There are two designations for Cuba exclusively, Class I-C stations operating on clear channels. CMQ-640, CMJL-740, CMBC-690 and CMBL-860 are Class I-C operations. The powerful Cubans on regional channels are designated Class I-D, including CMHI-570, CMW-590, CMHQ-630, CMBF-950 and CMCK-980 to name some. There are three stations which are in violation of NARBA, including CMKV-600 San German, CMKP-670 Holguin and CMGN-720 Colon, the first two operating with 150,000 watts and 720 at 30,000 watts. It is surprising that Cuba has not deviated more than it has from the NARBA allocation plan.

A note on the famous 770 fight, WABC has given up the idea of KOB being removed from 770, and is seeking to have KOB retain its present pattern and classified Class II-A, with WABC remaining non-directional and Class I-A on 770. KOB however is seeking to be reclassified Class I-B and have WABC reclassified I-B and directionalizing at night to protect KOB. This would change the status of 770 from I-A to I-B, allowing for the assignment of other fulltime Class II stations on this frequency in the U.S., Canada and Mexico, so it would seem both WABC and KOB would fare better if the WABC plan were accepted.

Regional stations are classified Class III-A and III-B, and for daytimers simply Class III. Class III-B stations operate with 500 to 5,000 watts daytime, 500 to 1,000 watts nighttime, while Class III-A stations operate with 1,000 to 5,000 watts day and night. Local stations on the 6 graveyard channels of 1230, 1240, 1340, 1400, 1450 and 1490 are designated Class IV, operating with 250 to 1,000 watts day and 250 watts at night. There are a few 100 watt operations left but the FCC no longer grants new stations with this power. There are a few Class IV stations on regional channels, WMWM-570 Marinette, Wisc., WJLK-1310 Asbury Park, NJ, WCAM-1310 Camden, NJ and KRHD-1350 Duncan, Okla. to name a few, and they are afforded no protection by the regional stations on their channels. These are all old grants, and the FCC no longer grants Local class IVs on regional channels. A proposal to permit regional stations to increase from 5,000 to 25,000 watts maximum was shot down by the FCC in 1957, but the Canadian government has authorized many of the stations in Canada on regional channels increase to 50,000 watts with directional antennas, to protect the regional stations on these frequencies in the U.S. and Mexico.

In conclusion, it can be seen that a knowledge of the allocations system and class designations can be helpful in determining what stations are likely to be heard on a given frequency, and can help determine the chances of hearing a distant station, since power alone is not the sole indicator of a station's coverage.

is on 1170, unless they've changed frequency again. They announce as 5kw, incredibly absurd. My last logging of them was 11/1/71. Format, rr. Try then after midnight. They were once heard as late as 3am. Although such an operation might be termed nonsense, it's a sad state of affairs when lots of money is the only way to get on the airways legally. Is this freedom, nah fellow Americans? (Can you imagine the chaos without such licensing? -ERC) Finally, bug congregate to two fine people, Mr. & Mrs. William Swiger, on the birth of their baby boy. Atta boy! What's this about raising it on "Boone's Farm?" Hi. I personally enjoy Capt. Glotz & hope the story continues. '73.

DAVE BENNETT - 3146 176th Street - Surrey, British Columbia

A sort of Muse from my new location. This is about 30 miles from Vancouver & quite far from the 5kw stations - there is one (CKNW-980) in Surrey but way over near New Westminster, 20 miles from here. The only thing I have to bother me badly is CJJC-850 & maybe KARI-550. While I haven't really had a chance to get any antennas up yet, I have done a little listening! 12/8- KEOI-670 talking about Camillus Bowl FB @ 10:40pm. 12/11- KMWX-1460 w/rr NX & WX for Yakima Valley @ 1:15am; WXYC-1100 w/scores for Ohio colleges & schools 1:25. 12/20- XEJP-1150 @ 1205 o/a KAYO & CKWX slop; had a "R. Mexicana" ID @ 1:12. XECL-990 R. Mundo IDs @ 1:25 w/terrific slop from CKNW. And into the new year: 1/2- KGU-760 for first TP logging from here @ 2:45am; KRKT-990 testing 250w XR w/mx @ 3:41; XED-1050 a real battle here between them & CFGP @ 3:49; XEGM-950 o/a KJR @ 3:54; KDAY-1580 @ 4:30 w/Soul mx. 1/3- KXA-770 s/off @ 7:45pm LSS; KMGCM-1260 w/Chinese restaurant ad @ 8:20; XEMO-960 in SS @ 11:13pm talking about "Matrimonia"; YNX-750 extremely strong @ 11:30 (I thought KXL was on testing at first!), then faded in/out w/WSE to s/off @ 12:59am. XELO-800 in EE & w/animal sound effects at start of DJ show @ 2:12; KSRO-1350 w/cl mx to s/off @ 3; LPRT-1350, probably CBRU w/CNC NX WX & sports & intotalk show, no ID obviously @ 3. KORL-650 w/a lost pet announcement @ 3:45; CKOK-800 @ 3:55am, must have been on w/the 10kw XR as they were far & away the strongest station there, with Ivan Romanoff program to s/off @ 4:05 & IDs for CKOK, CKOC-1240 & CKGF-1340. Carrier stayed on past 4:31am. CHQR-810 @ 4:10; JOUB-770 weak @ 4:33. 1/4- OAX4U-1010 R. America @ 4:10-5:00; unID LA-1025 w/deep fades probably HJBR. '73 for now, more soon.

FRANK SMITH - 418 Chadbourne House - U. of Mass. - Amherst, Massachusetts - 01002

Still no DX here at the University of Mass. as my HQ-140X continues to internally hemorrhage. I've put in new RF & mixer tubes, but it needs a complete realignment. I did get home for Christmas & had some fun with the SPR-4. DX as follows: 12/23- YVMH-700 Venezuela w/WLW milled. WARM-590 Scranton @ 11:40pm. On 12/27- WGVA-1240 Geneva N.Y. @ 12:30am, KLOU-1580 Lake Charles, La. @ 1:59am s/off. Egad! Then KKHJ-1550 San Francisco @ 2:10 am at "strain level". They had NX on the hour, then into symphonie mx. The 4VEC Special was in great @ 2:15 for country #12. I even broke down and sent a report. I was somewhat shocked to find IRCs are up to 22¢ apiece. I'm glad I'm not going the 50-plus route I've verified on SW. On 1/3, WFIL-560 Philadelphia @ 1:25am w/post NSPer WHYN. CPTR-680 Toronto @ 2am. HJDK-750 Colombia @ 2:23 w/many Caracol IDs. May I close with a gentle question? Howcum the 24 hour clock is not used in Musings? This AM & PM business is a drag, also it would save ERC typing am & pm several million times a year. Final exams will be over by the middle of this week and I'll be home again for about a week. I hope to do a lot of dial twisting then. That's it - good DX to all. (We use am & pm because it is common, everyday language, Frank, to keep the "conversational" aspect of Musings unspoiled. Then too, who'd know what this means, for example: 1600, WAKR heard 1590. Or, WTOP 1500 heard at 1400? Or, WLW 700 at 1400? Was WLW heard at 2pm, or was its second harmonic logged? -ERC

AS YOU CAN PROBABLY TELL, "THE MAGIC TYPEWRITER" IS AGAIN BACK IN THE HOSPITAL. THIS TIME THEY ARE KEEPING IT FOR A FEW DAYS AND GIVING IT TESTS TO FIND OUT ITS ILLNESSES FROM ITS SYMPTOMS, INSTEAD OF TRYING TO SEND IT RIGHT THROUGH THE CLINIC AND BACK HOME PRONTO. SO, WE SUFFER (?) THROUGH ANOTHER ISSUE OF MUSINGS DOWN ON "OLD FAITHFUL." WE THINK NEXT ISSUE WILL BE BACK, ELECTRIFIED, AND ELECTRICALLY SHOCKFULL OF DX TIPS & NEWS. -ERC

Dr. RICHARD E. WOOD - Dep't of Foreign Languages - L.S.U. - Baton Rouge, La. 70803  
Continuing my report on the DXpedition to Guatemala, let me list the U.S. stations heard from the Camino Real Hotel in Guatemala, using Gregg Calkin's Drake SW-4A & a limited antenna; use of the Drake Loop which we had brought along proved impossible, in view of the metal-framed building. U.S. stations noted nights, with non-directional antenna, were KTRR-740 WBEW-780 KULF-790 WRAP-820 WCCO-830 KCTA-1030 WHO-1040 KENR-1070 KRLD-1080 WKYC-1100 WBT-1110 KMOX-1120 KWKH-1130 KSL-1160 KVOO-1170 WHAM-1180 VOA-1180 Marathon (very loud), KLIF-1190 WCAI-1200 WCAU-1210 WGM-1240 Gulfport, Miss., WDAE-1250 KRGV-1290 WMBE-1350 KAOX-1400 Lake Charles, La. KLCL-1470 also Lake Charles & consistently the loudest & best U.S. signal on the dial nightly, & WLAC-1510. Note the lack of WWL-870, which is also only poorly heard in Mexico City. In conclusion, I would say that, if this can be done from a downtown hotel, the potentiality for a well-equipped DXer in a good rural location in Guatemala is endless; it is an outstanding location; even the 31 locals do not offer a severe problem, as many close down early, especially at holiday times, and very few run AM. Moreover, some appear quite weak; it was at times not always easy to tell locals from distant stations. Among XR sites visited in Mexico City was XEQK-1350, the world's first fully-automated, unmanned time station; generally it receives time signals from the Mexican national observatory; WWV is used as a standby source. It has been running smoothly since 1940. I was impressed by the technical expertise of most of the engineering personnel I spoke to in Mexico; and the stations were generally cases of efficiency and professional management. The R. Mil network (Nucleo), for example, is a superbly modern, skillful group of ten AM & FM stations.

JOE KUBERTH - Box 138 - New Windsor, Maryland - 21776

DX in the first week of '72 has netted 12 new logs, & a few veries here & there. I'm limited to DXing after midnight & miss trying for some SSS. This looks like a pretty good season for NECers & ECB DXers, especially to LA. Now to DX. 1/3- WBIR-1240 o/mess 12:43am. CFTR-680 w/new call @ 1:03. No sign here of KUPK & WCVL TESTs, but this was made up by hearing state #45: KNOX-1310 on r/c-TT & ID @ 1:24. New WIBA-1310 also logged! (Hey Joe - I logged them in 1934 & they weren't even new THEN! -ERC) XEBB-1090 w/religion program u/KAAY @ 2. AMof 1/4 was also nice DX-wise. WIOS-1480 w/r/c & code IDs & one voice ID @ 12:36am. Tone is same as what Mutual feeds on the line when there is no programming, similar to WWV's one second beeps. Unfortunate that other stations don't ID w/code - that'd make it a lot easier for us to hear them, especially on graveyard & crowded channels. Unk Cuban on 580 @ 1:26 //-590, LA Log lists two R. Rebelde on 580, how do you tell which one? (It makes a difference! -ERC) V/1 from WFMJ & nice v/1 & GM from WNAK-730-TEST, but I stumbled across them looking for WPAL r/c. Nostalgic log taken on WHEC-1460 12:58 s/off 1/7. 1/8 they will become WAXC ERC, watch what you say about D.R. watts being stronger than Cuban watts - Castro might read it & give GMQ a million watts! ACME Radio did not hear your test. \*73. (Who or what is ACME Radio, Joe? -ERC) (\* ?? H. Morgan.)

JOHN TULL - 5539 Oak - Kansas City, Missouri - 64113

I just put a mesh filter in my old National NC57. Really makes a difference in reception. RX now has four IF stages so I really have a lot of extra gain to play around with. One thing the filter helps with is background noise (hiss). The tone control isn't much help now though. I was pleased with the added selectivity but I was surprised with better sensitivity without the extra noise from a wide bandwidth. Weak signal are able to stand out from the noise much better. Now maybe I can ID that LA on 915k that has always been just even with noise before. Now if I can just find the time to do some DXing! 73.

ROSS E. HANSCH - 5013 Risser Road - Madison, Wisconsin - 53705

Annual alert for New Hampshire, best bet for N. Central U.S. is WHEE, Portsmouth, on 750. First week of February is best time of year - null WSB, 0 WFDX s/off @ 6, WHEE NX to 6:15 s/off.

FRANCIS NEWMAN - 1404 Alumni Place - Lawrence, Kansas - 66044

I'm on my Christmas break from classes w/quite a bit of listening being done from Ellinwood. DX: 12/27- WRHL-1060 w/NX & commercials @ 7:35 am. 12/30- WHUT-1470 noted w/s/on-SSS @ 6, then quickly lost into the mess. CHAB-800 heard through muffled XELO w/s/on @ 6:58am; CKCK-620 w/WX (all temperatures below 0) @ 7:30am; "KCK" ID @ 7:37 & into mx; YSC-1015 w/R. Internacional ID @ 11pm. 1/3- KUPK-1060 TEST heard good here w/much CHUM etc. providing QRS @ lam, mention of NRC around 1:07. I called them; the CE said he had received a call from Alberta already that morning! Report out & verie received. KOAK-1080 w/ID @ 12:57pm w/NX; KEK9-1090 w/commercial @ 1:25pm, then into mx; KDRE-1110 w/s/off @ 7pm. 1/4 - KTKT-990 w/ID in NX @ 5:47am; KGLC-910 w/ID @ 6:06am; YSR-655 heard good @ 9:25 pm w/what sounded like a NX program, ID @ 9:32pm for country #7; XEWA-540 w/ID @ 10:05pm, my 350th station logged. 1/8- XEFT-810 w/ID @ 9:01pm, female announcer; much accorion mx during ID & later; WGY-810 behind KGMG all evening w/N.Y. Knicks BKB ID finally heard in KGMG pause @ 11:11pm. 1/9- KXLF-1370 w/ID, TC, mx @ 1:07 am w/good signal; KLOV-1570 surprised me w/ID in NX @ 9:19am, then sank into nothing @ 9:20. That's the extent of my DX so far this vacation. Stations heard @ 354 from Ellinwood. I'm glad to hear that a few members heard the KUPK TEST on 12/6. I got the info on 12/2, called Flash Alert, right away & Carl got the info right out. Thanks to the EPC for their great 60-page DX NEWS. We need more like that. 73 & bona DX.

R. STEPHEN DILDINE Jr. - 1900 South Eads Street - Apt. 725 - Arlington, Va. 22202

Over the Christmas - New Year's Holidays I managed to get out 85 reports mostly to locals & clear, but there were some good DX including WTTW Fla., WABO Pa., WRWL N.Y. (in spite of WINX) WYNX Ga., KRAG Okla., WOVE W.Va. (in spite of WOOK), YVQO (in spite of GMQ), WRIC Va., KFBK, my first Californian, KFI my second, WHEC O. (day), WFKY Ky. @ lam, WMT Ia., WOW, my first Neb., WHLO-O., & WTVa, my second Columbus station. KFI WOW & WMT were logged @ 7am. Veries in include: (cards) WJUB WFBR EQV WWL WMAN PJCS WHEC (& picture postcard) WDMV WNAV WQAM QZB WKEN WQXR WAKR WCFE KOA (actually a Xerox of their card) WCBS (De- spite what it says in the WRTM) WHPL WBAE WBEW WBE WGN (plus pro-clear channel propaganda) & WFBG. KFBK sent a card & returned my report with a note from the CE at bottom. Letters include KTUF JBC-700 WGY KRIG FTAR CFTR WTTM WINA FLAS & VYXX. WAPA-880 in Puerto Rico returned my report w/a note from CE at bottom say- ing "We insist on a short tape recording for confirmation of domestic reception reports." I've ordered an HQ-180A & N.B. Note, old timers & nostalgia types - 'Lu & Abner' is carried over WWL @ 11pm & o/WOAY-860 @ 5pm. New Communications World features ECB. Till next time.

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

DX has been relatively minute of late. Samples: 12/27 AM- WCM5-1050 r/c noted well per the new list 12:12-12:17 s/off, simulcasting their FM outlet. I managed to dig WRHC-1400 from u/WCOS @ 1:23; & heard another new graveyard in WIGN-1340 @ 1:54. Local pest WIST-1240 was off & testing but nothing new could be found. 4VEC-830 heard on their TEST w/mucho WCCO, but readable. They must have come on early as I tuned to 830 after IDing WIGN & they were on. My tape has about three minutes of programming before WCCO gives a lam CSE TC. Taped from 1:55 to 2:10. I tried for the DX TEST on 1550 @ 1:10, but too much WOKJ. 12/30 brought WRBR-1470 in w/Soul mx & ads for Fla.'s new no-fault auto insurance @ 5:25pm, then WENC-1430 in w/c/w & local high school sports 5:30pm. I started listening again @ 1/10 & bagged KGNH-960 @ 6:50am, w/a cheery "Good morning, Oklahoma!" & then into WX, soon lost to WFIR. Marc DeLorenzo: Thanks for IDing WRIZ as the SS on 1550 @ SSS; I've heard them on their EE s/off but I've long been puzzled by the SS here @ SSS. Best wishes for the coming year. One of my New Years Resolutions is to muse at least once a month during the coming year. I hope I can keep it! (Betcha you DO keep it! -ERC)

REMEMBER TO MUSE OFTEN - DEADLINE IS THURSDAY. MAKE YOUR MUSINGS NEWSY - GIVE DETAILS OF YOUR LOGGINGS HERE AND THEREBY HELP YOUR FELLOW N.R.C. MEMBER TO SOME WORTH-WHILE DX TIPS! PLEASE BE SO KIND AS TO DOUBLE SPACE. THANK YOU!

MIKE BECKETT - Box 155 - Iraan, Texas - 79744

I've been a member of the NRC for almost two years now so here comes my second Musing. Most notable DX of late is reception of the 4VEH & KUPK TESTs. I have the report all typed up & ready to send to 4VEH but I'm going to have to wait until I get to a big city as the small post office here does not have IRCs. I used a tape recorder for the 4VEH TEST & managed to get a total of about ten minutes of readable copy out of the whole hour of the TEST. The KUPK TEST came in real good the whole 30 minutes. Also, I've found that the right kind of fences make good Beverage antennas. Out here we have barbed wire fences that use wooden posts to string the wire on & they run for miles. On 10/30 I backed my car up to a fence that was a good ways from any power lines and just hooked it up to my car radio antenna with a pair of jumper cables. The fence did seem to exhibit Beverage effects with stations in the direction of the fence being much stronger than stations to the side of it. It was during the daytime & I got KOB-770, about 400 miles, KWEH-1130, 475 miles & KIKK-650, 450 miles. Also, in the parking lot at college in San Angelo I can get XEWA-540, San Luis Potosi, 675 miles during the daytime just on my car radio which is attached to my 96" whip. Other good DX includes 11/3- WNBC-660 @ 4:10-4:40am, 11/25- R. Belize-834 @ 11-12pm. 11/26- WCHS-380 @ 12:50. 12/1- WABC-770 @ 1:45-2:05. 12/3- WCKY-1530 @ 2:50-3:30. 12/20- YNWS-900 @ 1:17-1:29am. PJB-800 @ 2:08-2:12 u/XELO of course; GMKV-600 @ 3:33-3:35; CMW-590 @ 3:35-3:38am. 12/24- WHAM-1180 @ 11:15-11:30pm. 12/25- WCAU-1210 @ 1:30-2am. I enjoy Captain Glotz very much; keep up the good work. 73.

HEDLEY SIMMONDS - 148 Fairfield Avenue N - Hamilton 27, Ontario

I have logged WCVR-1320 Randolph, Vt. 12/6, and WKTJ-1380 Farmington, Me. 11/29, & WISS-1090 Berlin, Wis. whose verification arrived today! Then there was WPRC-1370 Lincoln, Ill., WSLR-1350 Akron, all three on 12/13. On 12/20 I logged WOBW-1530 Wanchese, N.C. & on 12/27 KUOL-1380 Kansas City Mo. was heard. All of the above additions were heard fairly strong with some interference on WISS by KAAV in Little Rock, & noticed also on WOBW-1530 w/OC with occasional IDs from WCKY, Covington, Ky. I have tried for WMBG-740, WAJR-1440, 4VEC-830, KUPK-1050 but covered by CHUM, & WDWL-1270 but nothing heard from any of them. I have not heard a reply from WAMB-1190 yet and wonder if anybody else has. Total log now stands at 2,869 with one additional verie bringing that total to 2,712. I would appreciate an answer re my requests in my Musing of 11/25.

MATT EDWARDS - 85 Decker Avenue - Staten Island, New York - 10302

As a new member, I should perhaps introduce myself to Musings readers. I've been an on-and-off SWL for some 18 years, and having been a friend of Matt Zahner's for about the same time, and my current interest in the ECB is largely attributable to him. I'm 31, married with two children, & find the TVI here in Staten Island almost intolerable, and since we live in an apartment, I'm severely limited in antenna space. The RXes are a Collins 51-J-3, Hammarlund SP-600, Drake SW-4, RME-4350 & a Dobra PP-1 VHF Monitor. I also purchased a National HRO-60 but it doesn't have any kW coils - can any NRCer help me dig up some? They're known as the "E" & "F" plug-in coils. Although I'm not sure, the selectivity seems to be better than either the Collins or the Hammarlund, and so may be more suitable for the split channels than anything. I also have a Hammarlund HC-10 single sideband adaptor which does add selectivity (it converts the 455k IF down to 80k) but it adds tube noise too! (The basic circuit was later incorporated into the HQ-180). DX has been limited, but I've landed one I think might interest your readers: an apparent Peking on 802.5k heard about once a month, w/11/20 the best. I have a tape which shows Chinese-type songs & chanting. Can any WCer verify that Peking is off the listed frequency of 803 (WRTH)? Page Taylor maybe could help - heard again on 12/29. On 12/24 I had hets on 674.5, 675 & 676.5. The middle one had SS talking, but the other two stumped me. Any guesses? That's all for now. (Welcome to the NRC, Matt, & we hope you'll send in Musings regularly! -erc

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

(The original San Diego Padre, hi -ERC) In answer to Tom Sundstrom's question in the 1/1 DX NEWS, about the  $A_F$  indices, in IRCA, I print the values as given in the Weekly Radio Telecommunications Forecast, sent out by the Telecommunications Services Center in Boulder, Colo. San Diego is hosting the 1972 IRCA Convention from June 30 to July 3. I hope that many of you WC NRC members will be here. Randy Seaver promises to furnish an ERBA Ratings of local restaurants and night spots. Now that he's in his new home, he's started to DX again; now all he has to do is convince Linda that DXing is fun. Communications between BPC & the WC seem to have broken down - are you really THAT busy? \* 1/1 DX NEWS postmarked 1/4; received 1/3. But what about my messages from October? Captain Glotz certainly deserves a YADland award, for the only DX comix in existence. Keep 'em coming, Crater Schlotz! BGK sent a tape; it's been a long time since I heard Tom Lehr's "Vatican Rag." 73. \*Yes, unfortunately...

THOMAS R. SUNDBSTROM - Box 205 - Willingboro, New Jersey - 08046

The 1972 DX Specials have been good so far with one new state (KUPK-1050 on 1/3) & a surprising graveyard catch (code IDs of WBAT-1400 DX). I have been talking with Jack Miller, an engineer at WCAU-1210 re the 1177.5k signal of WCAU - twice now, in November and again just prior to New Year's - and he has some of the math done. I will send it along when done. I noticed on 1/9 that the 1177.5 signal is gone, so they must have found something. Miller also asked for copies of ECB QSLs - apparently he & the PR department are going to be revising their v/q. Finally, he was interested in the loop antenna. It seems that WCAU's studios in Philly can't hear their own AM signal from their N.J. XR due to a strange mixture of WDAS & WHAT (whose XRs are within one-half mile of WCAU's studios), causing a suprious signal on 1200 and resulting severe het. I sent along plans which should help him. I hope to get the math soon, & will pass it along.\* 73. (Ask him about a MM silent period, Tom, hi -ERC)

JERRY OSBORNE - 763 Canterbury Avenue - Ottawa 8, Ontario

I got in a number of interesting DX sessions over the holidays. CX on MM 12/20 were incredibly poor. I caught the WOBW-1530 TEST but it took till 4:20am before I could be sure of the ID. Terrible QRN. On Christmas AM, new PFC stations- CPDA-1380 @ 1:30am, CHVD-1230 @ 2:15. 12/26- HCLGS-655 good signal @ 1:30am. MM 12/27 a splendid morning: CFDR-790 N.S. for a new one @ 2:30 w/heavy QRN; CKRG-830 Man. in there @ 3:15, clobbered on all sides; CJON-930 Nfld. 3:30; R. Punto Fijo, YVNN-940, seemed to be in s/on @ 3:30. Heavy OC on 1380 @ 4:10 so I stuck around, hoping to get WAMS r/c @ 4:30, for needed Delaware. Suddenly @ 4:14 a voice boomed through - "WAMS Wilmington, Del., WAMS Wilmington Mills (or Hills, or Wells)" and that was that, no TT or other ID heard here. A few minutes later WTOB also popped up w/ID. I guess they were OC too, all this u/what turned out to be CKLC OC; before CKLC s/pn @ 4:30, HI--, Santo Domingo, s/on at some such time as 4:23. For my money 1380 is one of the most interesting frequencies there is. Same AM, CJCB-1270 N.S. s/on @ 4:45 wask(report sent & v/q received already). New Year's AM, new PFC, CFCT-1270. Good TA opening 1/2 w/German 1802 powerhouse @ 1:15 far stronger than 1586 which is unusual here. Tentative logging of Cienna-1475 @ 1:45, w/Alpine Yodel song, splash from both sides. 1/9- WLIX-540 EF/mx, ID @ 2:55. They were really pouring in @ 3 but then down in the mid, w/SS QRN, possibly Ecuadorian. In the 'good news' department, Canadian postal rates are now 8¢ as of 1/1. Veries in from WISS-1090 BEC-1457 & Monaco-1466. As for making Canada count as 14 'provinces' for DX purposes, while there is some logic in this, I wonder if there is really much point in doing so at present when the only stations in the Far North are so low-powered. How about some new CBC outlets with at least 10k3 on 1590 1550 & 860? One in each district, hi! NBest-ce pas? 73 & good DX in '72.

\* 1340 kHz - (1480 - 1340) = 1200 kHz, Tom; it's a normal 1st Order external mixing product - see my article of several years ago on Spurious mixing products here in DX NEWS or the one in the issue before last of How to Listen to the World. (GPN)



With the invaluable assistance of César Objío and Richard Wood, we present herewith the NRC English-French-Spanish Report Form. We have tried to make the form as flexible as possible to afford the most convenience while likewise trying to be sure that it is as complete as possible. In certain parts of it, the necessity for the use of idiomatic phrases has made it impossible to give a totally direct translation, especially at the closing of the letter.

The top line is, of course, in English, while the second is in French and the third in Spanish throughout. Below, we will list several other words which will be useful in noting the program details which may be necessary, following the same format as the report. Before doing so, however, we do wish to make one additional acknowledgement: the Radio Portugal DX Club, after whose reception report form some of our own form is patterned. -RjE

newscast	journal parle or bulletin d'informations	noticias
commercial announcement	annonce publicitaire	anuncio comercial
man (men) singing	homme(s) chantant(s)	hombre(s) cantando
woman (women) singing	femme(s) chante(s)	mujer(es) cantando
instrumental music	musique instrumentale	musica instrumental
record	disque	disco
station identification	identification de la station	identificación de la emisora
ID jingle	identification chantée	identificación cantada
vocal group	groupe vocale	grupo vocal
announcer (+feminine)	speaker(ine)	anunciador(a), locutor(a)
weather report	bulletin météorologique	bulletin meteorológico

Additional phrase translations as well as those for German and Portuguese appear as an appendix to Richard's article on languages in the 1971 "How to Listen to the World", available from Gilfer Associates, Box 239, Park Ridge, N.J. 07656

I am very happy to report to you my reception of your radio station on  
Je suis tres content de vous informer que j'ai recu votre station le  
Me complace mucho reportarle haber escuchado su emisora el

\_\_\_\_\_, between \_\_\_\_\_ and \_\_\_\_\_ local time, GMT.  
\_\_\_\_\_, entre \_\_\_\_\_ et \_\_\_\_\_ heures locales, HMC.  
\_\_\_\_\_, entre las \_\_\_\_\_ y \_\_\_\_\_ hora local, GMT.

Your broadcast was heard on \_\_\_\_\_ kHz. My receiver is a \_\_\_\_\_  
Votre emission a ete recue a \_\_\_\_\_ kHz. Mon recepteur est un \_\_\_\_\_  
Esta transmision fue escuchada en \_\_\_\_\_ kHz. Mi receptor es un \_\_\_\_\_

using an antenna of \_\_\_\_\_ yards (meters) with exterior installation (interior).  
avec une antenne de \_\_\_\_\_ metres avec installation exterieure (interieure).  
usando una antena exterior de \_\_\_\_\_ metros de largo (interior).

(indoor loop antenna)

Program details:

(antenne carree interieure de maison)

Details du programme:

(antena de cuadro en el interior de la casa)

Detalles del programa:

Interference from other stations: nil slight moderate severe extreme  
Interference d'autres stations: nul léger modéré fort très fort  
Interferencia de otras estaciones: nula ligera moderada fuerte extrema

(Static) (Fading)

Opinion of reception: poor acceptable

(Statique) (Evanouissement)

Ensemble de reception: mauvais acceptable

(Estatica) (Desvanecimiento)

Opinion del reception: pobre acceptable

good very good excellent. A tape of the reception is enclosed,  
bon tres bon excellent. Veuillez trouver ci-joint un enregistre-  
buena muy buena excellente. Le estoy incluyendo una cinta grabada

recorded at a speed of \_\_\_\_\_ inches per second.  
ment en ruban de ma reception, a la velocite de \_\_\_\_\_ pouces par seconde.  
a una velocidad de \_\_\_\_\_ pulgadas por segundo.

I would greatly appreciate a communication from your station to verify that it  
Je serais tres reconnaissant de recevoir une reponse verifiant qu'il est en  
Me agradaria mucho recibir una respuesta a esta carta en la que verifiquen

was indeed your station which I have heard from the above details.

effet votre station que j'ai captee des details en haut.

que fue realmente su emisora la que oi de acuerdo a los detalles enviados.

Thanking you for your consideration, I am, respectfully,

Veuillez agreer, messieurs, mes sentiments les plus respectueux, merci

d'avance,

Muy agradecido por vuestra amabilidad, le saluda. Muy atentamente,

**WE LIKE RADIO NORTH SEA**