

# DX MONITOR

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NOVEMBER 27, 1976

## DX CALENDAR DX CALENDAR DX CALENDAR

Station	Time	Frequency	Location	Power
NNRC Mon.	12-6-76	0100-0200	WOND-1400 Pleasantville, NJ	1/kw
IRCA		0200-0400	WTAW-1150 College Sta., TX	1kw
IRCA		0300-?	KBGN-910 Caldwell, ID	1kw
NRC		0300-0330	WNAT-1450 Natchez, MS	1/kw
IRCA Mon.	12-13-76	0030-0230	WIQT-1000 Horseheads, NY	1kw
IRCA		0500-0600	KBEC-1390 Waxahatchee, TX	500w
NRC Mon.	12-20-76	0000-0200	WDCR-1340 Hanover, NH	1/kw
IRCA		0300-0330	WGSM-740 Huntington, NY	5kw
NRC		0330-0400	WECO-940 Wartburg, TN	1kw
NNRC Mon.	12-27-76	0230-0300	WNNO-990 Wisconsin Dells, WI	
NRC		0300-0330	KOKO-1450 Warrensburg, MO	1/kw
NNRC Mon.	1-3-77	0130-0230	WTSO-1070 Madison, WI	10/5
NNRC Mon.	1-10-77	0230-0330	WGLB-1560 Port Wash., WI	1/kw
NNRC Mon.	1-17-77	0230-0330	WEMP-1250 Milwaukee, WI	5kw
NNRC		0400-0500	WLCC-1490 LaCrosse, WI	1/kw
NNRC Mon.	2-21-77	0200-0300	WDUZ-1400 Green Bay, WI	1/kw
NNRC Mon.	3-7-77	0130-0230	WHBL-1330 Sheboygan, WI	5/1
NNRC Mon.	3-21-77	0200-0300	WIGM-1490 Medford, WI	1/kw

WOND-1400 (1kw-D, 250w-N) will have voice and code IDs along with rock and roll oldies. Prepaid calls OK to 609-653-1400. Reports to Chief Engineer, Radio WOND, P.O. Box 352, Pleasantville, NJ 08232. Arranged by Thomas R. Sundstrom.

WTAW-1150 (1kw-D) will have march & polka music, frequent IDs, test tones, and code IDs. Reports to Mr. Tony Nemecek, Radio WTAW, P.O. Box 3008, College Station, TX 77801. Arranged by Artie Bigley.

KBGN-910 (1kw-D), no details available. Reports to Chief Engineer, Radio KBGN, 3300 E. Chicago, Caldwell, ID 83605. Arranged by Karl Raymond.

WNAT-1450 (1kw-D, 250w-N), no details available. Their address is Radio WNAT, P.O. Box 768, Natchez, MS 39120

### FLASH TIPS

Due to being in a big rush last week, I forgot to mention that a sample page from the IRCA Foreign Log Volume 5 was enclosed. I've already had an inquiry about what that page was doing in there. (MGW)

Most of the domestic columns are missing this week. I guess the editors forgot that my deadline was a day earlier this time, due to Thanksgiving. (MGW)

Also please note the foreign postage offer in Rich Segalas's WDXF report. It could turn out to be a real benefit if there is enough support. (MGW)

According to a phone call from Denzil V. Baker, IRCA's Man in Durban (South Africa), A Voz da Africa Livre operates 1800-1900 GMT. Denzil estimates the power at 100 kW, and believes that the transmitter is at Gwelo, Rhodesia. (CAT)

## The Inside Story

EDXR - - - - 116, 117	EDXF - - - - N.S.
GDXR - - - - N.S.	WDXF - - - - 117, 118
WDXR - - - - N.S.	
DXWW - - - - 119, 120	DXWW II - - - - 120, 121
Ad-Visor - - - - -	- - - - - 124
"Super-power", Special Features, part 2	- 122, 123

## NEW MEMBERS

FROM PHIL BYTHEWAY

Mark E. McMillan, Route 3, Box 381, Rathdrum, ID 83858  
 Mr. Bill Bentley, 4501 Brookdale Dr., Midland, TX 79701  
 Carol Pritchett, Rt. 3, Box 205, Roseburg, OR 97470  
 Eric Anderson, 3208 Goddard Road, Toledo, OH 43606  
 George J. Slovinski, 4712 Merrill Ave., Torrance, CA 90503  
 Don Davis, 107 Oakdale Dr., Warner Robins, GA 31093  
 Keith Iythgoe, 6421 Hopkins Road, Richmond, VA 23234  
 Paul M. Wardell, P.O. Box 3161, Portland, OR 97208  
 Fred McClenaghan, 72 Eastville Ave., Scarborough, Ontario, CANADA

### Address Changes:

Norman Sperling, 17 Thorpe St., Somerville, MA 02143  
 Richard Dale, 431-3 Freudenberg House, 1000 East Madison, Springfield, MO 65802  
 Mike Sanburn, 5042 1/2 Hayter, Lakewood, CA 90712  
 Michael Endza, 1751 Market St., Apt. 148, San Francisco, CA 94103  
 Randy L. Markwell, Rt. 2, New Plymouth, ID 83655

### Renewals:

Robert Kramer, Tom Jasinski, Mike Sanburn, John Wiggins, Jr., Jack Parks, David F. Thomas, Gregory V. Henson, Peter Oprisko, Bob Lazar, David Lanoue, Bill Hardy, Randy Markwell.

Well, the Foreign Log is finally out of the way, as almost all pre-publication orders were mailed out early November 16, as advertized. All comments regarding its content, format, and weaknesses should be directed to HQ, or to myself at 6635 57th N.E., Seattle, WA 98115. I would be glad to hear both good and bad sides of its production. Now I can devote more time to mailing out reprint orders and recruiting more members. Here at HQ, we have plenty of samples to send out to prospective members, so if you know of any interested persons, let me know and I'll send them a sample bulletin.

We are very short of good material for FOREIGN filler. We used up most of the good stuff in the Foreign Log. If you have anything that you think is good, please send it to HQ. If you'd rather not donate your prized veries, try making a good copy of it. Light copies are of little value as they are usually printed very light, so try to get a good dark one if possible.

## BROADCASTING

### INFORMATION

(as compiled by Mike Worst)

Station	Day	Nite	Location	Notes
WMSG	730	1000	Bowling Green, OH	granted WJYM
WGTR	1060	1000	Natick, MA	to 50kw-D, 5kw-N
new	1140	5000	Kentwood, MI	CP
new	1260	5000	Amery, WI	granted WXCE
new	1280	500	Lancaster, WI	requests WGLR
WRRR	1290	500	Fredericton, NB	start operation, with ND
WMEN	1330	5000	Tallahassee, FL	requests WCVC
KKAM	1350	5000	Pueblo, CO	granted KIDN
KREO	1400	1000	Indio, CA	" KRCQ
WYMC	1430	1000	Mayfield, KY	start operation
WYKR	1490	1000	Wells River, VT	" "
WVOC	1500	1000	Battle Creek, MI	granted WWKQ
KMOO	1510	250	Mineola, TX	to 500w-D
WMAD	1550	5000	Madison, WI	requests WWQM
KSRB	1570	250	Hardy, AR	start operation
KYAL	1600	5000	McKinney, TX	requests KXVI

From the November 8 and 15, 1976, issues of Broadcasting.

# eastern dx roundup

Editor: Mike Miteck,  
Box 533  
Lorain, OH 44052

600 WSOM OH, SALEM w/s/on 0630 11/9. (FAW-PA)  
610 WTVN OH, COLUMBUS poor but o/WIP 10/21  
1855. MoR, Columbus comm'ls, dis-  
appeared @ 1900 after ID, probably  
pattern change. (GM-NY)  
WIOD FL, MIAMI poor but WIP was in' deep  
fade 10/21 1944 w/phone talk 'till  
2000. Gone when returned 1958. (GM-NY)  
620 WTMJ WI, MILWAUKEE 11/8 0103 in NBC Nx  
foll. by local nx which ended @ 0108.  
Into TM jingle and contemp MoR format.  
Faded into WHEN @ 0110. WVNJ off.  
(GM-NY)  
WHEN NY, SYRACUSE 11/8 0110-0115. Contest  
promo and "Lucy in Sky" by EJ. (GM-NY)  
+ W/Carrols Restaurant spot @ 2237 on  
11/3. (BIG-CT)  
630 CHLT PQ, SHERBROOKE was certainly there u/  
WPRO w/FF tx (???...mrm), nx about  
election 2235 on 11/3. (BIG-CT)  
CJET ON, SMITH'S FALLS good 10/25 0206 on  
car rx pulling up own street. Noted  
C temps at "C-jet" in 0200 nx. WPRO  
off? (GM-NY)  
640 CBN NF, ST. JOHNS noted 1620-1630 w/CBC  
programming 11/5, ID 1630, weak signal  
but no QRM. 1 full hour before LSS!!  
(RAM-NY)  
WHLO OH, AKRON fair-good 10/10 @ 2040 w/  
WHLO-land wx, sports, nx, contemp MoR  
format. (GM-NY)  
690 WAPE FL, JACKSONVILLE exc. here 10/21 @  
0022 probably on day pattern and power.  
Top-40 w/Jacksonville wx, ments of  
"Big Ape". Disappeared at 0029. Back  
to 10 kw??? (GM-NY)  
730 CHYR ON, LEAMINGTON fair above unID mess  
10/29 0059 w/jingle "CHYR". Also  
noted good 11/8 0123 ann. as "Super 7  
CHYR" w/PSA telling Ford employees  
strike was over. Noted them last year  
IDing as "Cheer" as a cover for  
different day/night calls. (GM-NY)  
740 WKIS FL, ORLANDO surprised me (almost  
asleep) 11/8 0130 came up out of mud  
just as calls were annced and dis-  
appeared again. CBL off, of course.  
(GM-NY)  
780 WAVA VA, ARLINGTON in fair to good on tip  
from BAR 1649-1700 11/6 w/sports, nx,  
many IDs. Local WGY nulled. S/off  
1700. (RAM-NY)  
850 WKIX NC, RALEIGH 11/8 0409-0414 ET-OC-RR  
w/ID @ 0409. Some WHDH OC in there  
on & off too. (RA-MA)  
860 WEVA VA, EMPORIA noted 1715-1730 10/31 w/  
full nx wrap up, weather, s/off 1730  
no SSB. This during very gud south-  
ern opening. (RAM-NY)  
WOAY WV, OAK HILL hrd 1732 10/31 w/wx, ID  
after WEVA s/off during great  
southern opening. No CJBC at this  
time. (RAM-NY)  
940 WMAZ GA, MACON noted 10/31 1745-1800 w/mx,  
IDs mixing w/CBM during superb  
southern opening. Dropped out 1800,  
due to power change (?) (RAM-NY)  
970 CKCH PQ, HULL @ 2247 on 11/3 w/FF nx about  
Quebec, followed by spot. Weak under  
WCSH and NIS. (BIG-CT)  
---- unID w/FF talk u/WWDJ 10/10 @ 2050.  
Probably CKCH. (GM-NY)  
980 CKGM PQ, MONTREAL o/u/WRC/WTRY/WILK mess  
in EE top-40 11/3 2230. (GM-NY)  
1090 CKKW ON, KITCHENER now on this freq.  
according to v/q from their sister TV  
station CKCO. Formerly on 1320, I've  
had them on 1090 for quite awhile,  
but don't know when they changed.  
(FAW-PA) (If memory serves me right,  
about Feb. or March.....mrm)  
1100 WWWE OH, CLEVELAND was AN MM 11/8 w/rr,  
few announcements. (RA-MA)  
1110 CBD NE, ST. JOHN hrd 1750-1800 w/Cross  
Country Checkup. Weak ID 1800 u/  
WBT. (RAM-NY)

WJSM PA, MARTINSBURG noted 1759 10/30 w/ID  
at possible s/off. (RAM-NY)  
WNAR PA, NORRISTOWN hrd 1626 11/6 w/sports,  
nx, ID, spots w/gud signal. (RAM-NY)  
1190 CHTN PE, CHARLOTTETOWN noted mixing it up  
11/5 1619 w/ID o/WLIB, WANN during  
great northern opening. First time  
heard while WOWO is on! (RAM-NY)  
1200 WOAI TX, SAN ANTONIO, finally! All the  
elusive clears at this location have  
been nabbed. On a day with incredible  
north-south openings, this one was  
disturbed only by some weak SS mx in  
the background. Hrd spot for Rolands  
@ 2258, and just to make sure, caught  
ID and CBS nx at 2300 11/3. (BIG-CT)  
1260 WNDE IN, INDIANAPOLIS fair-poor o/u/unID,  
probably WMGC w/top-40 format, ment.  
of "Windy-1260" as in American Air  
Chexx. 10/27 @ 0008. (GM-NY)  
1280 WABK ME, GARDINER hrd 11/6 0818 w/contest,  
2 IDs, gud signal. (RAM-NY)  
CKCV PQ, QUEBEC I think was the one in the  
null of WADO w/some FF mx @ 2301 on  
11/3. Anybody know if they are FF?  
(BIG-CT)  
1370 WFEA NH, MANCHESTER is AN-7 w/irreg. MM  
SP. (RA-MA)  
1420 WVJS KY, OWENSBORO new & in fair 0131 w/  
AOR 11/7 around usual WHK mess etc.  
(GA-NC)  
1440 WNCR MA, WORCESTER fair-poor 10/22 @ 0031  
o/u/unID mess. Apparently in btfl mx  
w/recorded ID, "News (?) radio 14"  
and live YL wx. (GM-NY)  
1540 WADK RI, NEWPORT noted 11/7 0630 u/local  
WPTR OC, KXEL, w/SID just seconds  
before WPTR started regular program.  
(RAM-NY)  
1580 KLOU LA, LAKE CHARLES 11/8 weak and alone  
on freq w/no WCLS 0347-0350 w/quick  
TC, ID and then into rr. (RA-MA)  
---- unID, 11/4 2000-2016 someone w/c&w  
fading deeply in/out w/CBJ QRM, QRN.  
Not heard after 2016. Suspect it may  
be KNIX. Any help?? (RA-MA)  
CBJ PQ, CHICOUTIMI. This must be my  
night for the French! This stn is  
listed as CBC EE net in NA Radio-TV  
guide, but is the only one I could  
think of b'casting the Canadiens--  
North Stars hockey game in FF @ 2255  
on 11/3. (BIG-CT)  
1600 WKWF FL, KEY WEST w/a decent sig inter-  
mittently thru WGIV 11/7 0103 w/CBS nx,  
wx for "Island City" 0106, & c&w mx  
(despite David Nelson's comments  
that they switched to AOR) at 0107.  
(GA-NC)

## FROM THE "DX CALENDAR"

1260 WPHB PA, PHILADELPHIA noted poorly 0250-  
0255 u/WEZE w/tones, ID. All other  
tests not heard. (RAM-NY)  
1450 WMVG GA, MILLEDGEVILLE in extremely poor  
0002 11/8 for 1st test hrd of season.  
Very slow CW IDs, but not too read-  
able thru graveyard maze. Not hrd  
after 0005 'till 0009 when accelerat-  
ing tones were in faintly. If they  
were using 1 kw, they do not get out  
well at all considering I'm in their  
backyard. (GA-NC)  
+ 11/8 0000-0019 tentative on DX w/no  
audio thru much QRM from several  
closer stations. Series of sweeping  
ascending & descending tones noted  
0007-0017. (RA-MA)  
1460 WEEN TN, LAFAYETTE 11/8 DX Test tried, but  
not heard 0330-0340, just WPDQ/WBNS.  
(RA-MA)

## PER THE LIST:

790 KFGO ND, FARGO 11/8 poor on r/c under WAEB/  
WTAR w/TT & partial ID at beginning  
of check 0230-0245. (RA-MA)  
1530 KNBI KS, NORTON 11/8 quite clear on f/c  
just after WCKY s/off w/TT-IDs 0111-  
0121. Deep fading at times, off at  
0121 w/ID. (RA-MA)

THIS WEEKS DIAL-TWISTERS:

- FAW- Frank Wheeler/ 6589 Wattsburg Rd., Erie PA 16509/ S-40B; 200' longwire & SM-1
- GM- Gregory Monti/ 5 Hickory Rd., Bayville NY 11709/
- BIG- Bruce Goldsen/ 27 Spruce Hill Rd., Georgetown CT 06829/ Realistic TRF
- RAM- Roger Morby/ Ushers Rd., Ballston Lake NY 12019/ Ross RE-3030 & 300' longwire
- RA- Ray Arruda/ 48 Woodlawn St., New Bedford MA 02744/ SX-122 & SM-1
- GA- Gregg Allinson/ 919 N. Kerr Ave., Wilmington NC 28401/ S-38C w/longwire

And another great week from the Eastern Crew!  
Keep it up, and keep reporting! 'Till next week,  
73 and good DX to all!

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THURSDAY	western!	EDITOR: RICK HEALD
DEADLINES	dx forum!	1581 - 20th AVENUE SAN FRANCISCO, CA. 94122

=====

ERIC RITTENHOUSE-2315 DWIGHT WY #101-BERKELEY, CA. 94704

+++++  
73 and good DX de ECR...Just thought I'd do that because nobody ever started a report that way, hi. I'm ashamed to mention it (No cracks, Heald, hi), but I don't think I've been in the blue pages more than once since the Anniversary issue. (Psst-Yellow pages, pls, blue pages=BARF, hi-Rth). Not much DX done lately, but the Convention report, Spotlights, etc have served to keep me in touch w/the DX scene. It's weird to be back in the Forum...Imagine, Rick Heald is typing every one of these words, and hundreds, no thousands of people are hanging on my every sentence, waiting for the wisdom that may never come. (Zzzzzzzzzz ... Now here's where he really flips out gang-Rth). Can it be that I've forgotten how to write a DXF? I don't think I've abbreviated anything but DX yet. I was sorry to miss the IRCA Convention; I heard that there was someone there pretending to be me, but any resemblance was, I am told, coincidental. I am also told that Don Erickson went to Louisville dressed as me and spent all of my money at the auction. Nobody knows who the person dressed up like Don was, hi. If Rick Heald was imprisoned in Amsterdam, who is typing this up? (The person who dressed up like Rth at the IRCA Convention, hi-Rth, or whoever). I think I've snapped out of it now! Everything is getting light around me; I think it may be morning. As long as I'm here (well ...I'm never all here, hi). (AMEN!!!-Rth). I'd like to give a big thanks to all of the faithful who've been giving me such great support on the Spotlight column. I've had more reporters w/each column I've done, and it looks as though Spotlight is getting to be quite a success. I even got a report from Rth once, which is why I sent in this Forum, hi. This may not be 25, but since Rth has taken off the limit I guess I don't have to worry about getting that many, anyway. Hi all... (Did you type this during Part 1 or Part 2 of "Sybil", hi-Rth).

H. JOHN CLEMENTS-TOYLAND WEST-9010 TOBIAS ST #258-PANORAMA CITY, CA. 91402

+++++  
It's a real bummer not being able to DX this fine season. I just moved in Sept and I haven't had time to set up my stuff. Also, my apt is a real noisy place--I hear snaps, crackles and pops u/50kw KPOL! (Are you sure a box of Rice Crispies hasn't gone berserk, hi-Rth). It's nice to see the WRTH come back down to a reasonable price. It seems that Gilfer is losing their exclusive distributorship because Bill-board isn't happy w/the lack of sales in the US. (I hear that only 20% of the WRTHs are sold in the US, but that might be off.) At any rate, Gilfer now has competition. Jim Rafferty of COMMTECH Enterprises, 13754 Victory Blvd, Van Nuys, CA. 91401, is offering WRTHs for \$8.40 postpaid to your door. Also, he is offering the new Yaseu FRG-7 for \$270 (plus 6% tax for CA) to SWL types only. This guy is really interesting. He is a ham and his store carries only ham gear, but, he is giving discounts to us SWL types only--hams don't get any. And day a ham is going to give us a break, he gets my business. It

turns out that 1/3 of the FRG-7s sold are to SWLs & he came to latest SCADS meeting and sold 3 of them in 2 hours. To get these discounts, mention the club you are in and mention the magic name "Sanserino" (because he arranged the deal) and send your order directly to Rafferty. To you Domestic DXers, tho, the 6 kcs ceramic filter will have to be replaced w/a 3 kcs job. To answer Gary Larson's question on the 830 kc station. It certainly isn't a CGB station because there aren't any and it probably isn't a carrier current because UCLA is the only one I know of on 830, which is unlikely to have religion. Probably a bootlegger. 73.

DAVE MARTIN-546 E. 6th AVENUE-HELENA, MT. 59601

+++++  
Howdy, folks. Though I'm a long time member of IRCA, it's been a couple of years since I've DXed actively. I'm 34, married, have an 18 month old daughter, and am employed as a reference librarian at the Montana State Library. Interests other than radio include: Photography, restoring old autos, maps and exploring this fantastic part of the Rocky Mountain West. Much of my time at present is being spent rejuvenating an 80 yr old house. Since 1960, I've DXed from Goleta, Palo Alto, and Morro Bay (all CA) and now I'm starting fresh here in Helena. After getting the power company to correct a static problem, the cx for DX seem to be fairly good. There are only 3 locals: KBLL 1240, KCAP 1340 and since 11/01/76 KMTX 950 (see Flash Tips in 11/06/76 DXM). Of the 3, KMTX has by far the best listening format--a combination of progressive rock and progressive country--but it really does a number on the frequency. Back in October: CPAM KAH1 KBRJ KIMN KJR KMER KWAT were all heard here during late afternoon/early evening hours.

As They Say in Sioux City, Iowa..  
Keep Those Forums Coming

BILL HARANG-811 NEVADA AVENUE-SAN JOSE, CA. 95125

Phone: (408) 292-8198  
+++++  
Well, you can add me to the list of TRF owners. I went to Radio Shack today (11/14) and got myself one. Concerning the KPOL tower count mistake, that's what I had written down when I was in Anaheim. So, either I misunderstood Gary Larson, and put the wrong number down, or else he told me wrong then. Eric Norberg informed me that KEX will have to do 3 or 4 days of nondirectional proofing before the end of Jan--probably in the first half of Dec sometime. It will be interesting to see if DXers from the Midwest will be able to pick KEX then. Eric has not yet learned if KEX will run nondirectional at night during the period, but due to the difficulties of disconnecting and grounding two or three towers for the test (if they disconnect 3 towers, they'll be off the air, hi-Rth), he presumes KEX will stay nondirectional til the proof is completed. The step is necessary because the state has completed building a freeway across part of the KEX ground system, and now ground conductivity and local radiation characteristics will have changed a bit--which they have to take into consideration in the perimeters of their pattern. By the way, there are AM blackout areas. AM radio signals are affected by terrain as is FM--just not nearly to the same extent. Also, the nature of the local ground composition (like lots of metals in the ground, or poor local conductivity) can ruin local AM reception, while not precluding some signal recovery further on. Thus, due to terrain and especially the nature of the local ground composition, a groundwave signal can weaken and the strengthen a bit. Such "holes" in coverage are not shown on coverage maps which are not necessarily designed to show local conditions, except on the rims of contours; they are intended to show signal level limits. (And of course, a very famous instance, WBZ 1030 Boston, WBZA 1030 Springfield-Rth).

JOHN BRADLEY-P.O. BOX 3759-VAIL, CO. 81657

+++++  
The NBA Denver Nuggets now have a KkB Net. Head stn is KOA feeding KFKA 1310 Greeley, KCOL 1410 Ft. Collins, KIUP 930 Durango, and KZLO 100.7 Pueblo. I was talking w/the CE of KAAAT 1090, who is also the consulting engineer for KVMT here in Vail. He says KAAAT has applied for a nighttime license of 10kw directional due West. In his words, "We'll boom into California." (Has he maybe heard of XEPRS and KBOZ? W/KAAAT on, XEPRS will really get theirs, hi-Rth).

Better watch out, you WC guys, hi. (And gals, hi Nancy-Rth). Don't know if it will be limited or AN. Supposedly using a 9 tower DA separate from their current daytime DA at another site. I don't see how the FCC could possibly grant them a night permit, but then again, the FCC always surprises me at their decisions. (Incompetent political appointees, that's how come-Rth). KAATS signal would plop right on top of KFAX and KREX 1100 and surely they would bleed into KAAV and KING 1090. (No. XEPRS takes care of KFAX nighttime, 3 mi from KFAXs XR, KBOZ and XEPRS kill KING 50 mi out of Seattle.-Rth). KRLD 1080 is just like a local here as is KFAB 1110. A tip for beginning DXers: a good time to catch the call letters of a stn is during local newscasts when they play actualities or stories by other reporters. "This is John Smith, KXXX News." Usually, stns use several actualities per newscast so you're bound to get the message through all that QRM. Question: must the exact time an ID is given be logged or is 2AM sufficient if the ID was given at 2.01am? I'm referring to station logs. (When I was in radio, yes, exact time was logged, in fact, even to the quarter minute, ie: 2.01:15am...but that was 10 yrs ago-Rth). 73.

As They Say in Paducah, Kentucky  
 "Western DX Roundup"  
 Send Your Catches to Nancy

RICH SEGALAS-P.O. BOX 26254-SAN FRANCISCO, CA 94126  
 + + + + +  
 Greetings. Something has finally happened in this neck of the woods. While ye olde Forum editor (Rth) was skulking around Amsterdam and London, I kid-napped (Rth's term) his Wedge. It didn't seem to be any better than my longwire. After talking to DEE & Charles Wolff, I decided to tighten the wires and presto...new stations come-a-rollin' in. (Now if you believe that...you also believe, "Somewhere where troubles melt like lemon drops away above the chimney tops."-Rth). Among them: KBOZ 1090 and KGYN 1210. Hey Charles, you think Rth has found our bit of sabotage yet? (Sure have, can't get domestics now, only TPs. Txn-Rth). I finally got the C.P.A. exam over again, until results come in Feb. Maybe now I can DX more. I received the new Foreign Log today (11/18 Rth). It looks pretty good on first glance. Congratulations gang on a job well done. While talking to DEE today, we came up w/an idea. Hope all of you International DXers are reading. I've decided to come up w/a service for you. Since I can get foreign stamps at face value (plus postage depending on the country), I would be willing to buy the stamps and offer them to you at my cost. This would be face value X the exchange rate plus any postage or handling. I just did this w/some surplus Canadian stamps. I sold some to Charles Wolff at the IRCA Convention at face value X \$1.01 exchange rate. I also sent some to IRCA HQ at same rate. (I don't have to pay postage or handling charges from Canada). If anybody out there would like to have these services available, please let me know. Also, please let me know what countries you would like me to stock. These stamps would be the Airmail postage values from that country to the US. More to come later, depending on the response I get from you. ECR, I will exchange your kidnapped WRTH for my kidnapped pen. Until next time, good DX to all. (Again, another "Walk-a-Forum" from Sr. Segalas, hi-Rth).

Rth-1581 20th AVENUE-SAN FRANCISCO, CA. 94122  
 + + + + +  
 How do!! DX has really picked up a bit for me, mainly because I started DXing again, hi. Have all you nice folk along the WC noticed XEPRS going silent for periods of time the last week or so? Don't bother, unless you live in San Diego, but KBOZ rolls in like a local. And since when where there enough people to support an ANer in Bozeman? To correct my error (I do make them once a year or so), KFIs XR is in Santa Fe Springs on Artesia Blvd., not Buena Vista and I had Buena Park in mind anyway. KWPC is just N of the Ventura Frwy., next to Valley State College. Clements, don't you ever learn? First the backyard of a 50 gallon stn, then Rice Crispies, hi. I have always taken along a receiver to check out for HNL BEFORE moving anywhere. There's been a few managers that thot I was crazy, but then, come to think of it, I am, hi. Pete Taylor, how come your station, along w/KSFX (the instant Disco garbage machine) comes in from roughly 750-900 kc/s? Not distinguishable, as such, rather muddy and garbled, but it is KFOG and KSFX. And they do take their toll on TP DX. Can FM  
 page 118 November 27, 1976

from 3 km away get into AM??? (3 km to Sutro tower, you know, the giant roach clip, or whatever). John Bradley, your consulting engineer is in for a surprise. If KAAT goes AN, their signal will get mugged at the NV/UT border by XEPRS and/or KBOZ. You don't get 'em there, that's cuz XEPRS has a 30 wide wedge of a signal, up the coast and KBOZ has same aimed right at Northern CA. I said the Raiders were so-so? True, best record as always, but the scores are so close, and that's what I meant. Miracles still happen. Need Tonga 1020? Great signal this morning (11/18) at 0142 PST, rr mx, DJ sounded Aussie, then into Native stuff after 0200. Who's my TTer on 690 also this AM at 0115 PST? CBU doin' funnies again? Now then, stand by for this, all you BARFans and other types, KNBR was OFF THE AIR this morning!!!! OC, but then, one miracle is about all I can cope with in one morning. I've also noticed KRG0 1550 is potent within KGHl's primary coverage area, like my QTH. Just null KGHl, listen during quiet interlude, and there's KRG0. Trivia freaks...K0BY 1550 Reno and K0BY 1550 San Francisco, about 15 yrs apart. Ah yes, Cuba also in like a "ton-a-bricks" this AM u/KFI. I get up in middle of night, and DX for an hour, then back to bed. Finally nailed the RR on 575 & 584. I can't let Kaskey get ahead of me, but then he has a slight advantage, he's 6 blks closer to the ocean than I, hi. Well gang, see you in 7. 73 de Rth..

Thurs., Nov. 4, 1976, Denver, Colo.

Rocky Mountain News—89

## NBC radio to drop 'News and Information Service'

NEW YORK (UPI) — NBC radio's national "News and Information Service" will be discontinued by mid-1977, Jack G. Thayer, president of the NBC radio division, announced Wednesday.

The News and Information Service, providing around-the-clock live news, sports and features reports to radio stations across the country, was launched June 18, 1975, and was costing NBC \$10 million a year to operate. It is featured on KDEN in Denver.

NBC's conventional radio network, one of the oldest in the country, was not involved in Wednesday's announcement.

"NIS will be phased out," Thayer said. "The subscriptions (number of stations in national audience) were not there to support it, I am sad to say."

The NIS staff of about 100 editorial and other employees were informed of the decision Wednesday.

Thayer said there was no long-term future for this approach to radio programming. He called the NBC-NIS approach "very innovative but, of course, very very expensive."

NBC once said it needed at least 100 subscribing stations to get in the black. It presently services less than 70 stations and is not represented in some major U.S. markets.

The service cost each client from \$750 to \$15,000 a month

via Bill Nittler  
 depending on the size of the market. It was the first effort at all-news programming of a radio network on a coast-to-coast basis.

NIS was competing with five other major national radio organizations also supplying live news, sports and features to nearly half the 7,000-plus commercial radio stations in the United States.

Those organizations are ABC, serving more than 1,400 stations; United Press International Audio, servicing more than 900 stations; the Mutual Broadcasting System, serving

665 stations; CBS radi, serving 270 affiliates, and AP radio, servicing 400 stations.

Thayer said that NBC would work with the stations in every way to make an orderly transition in their programming or finding substitute information for NIS.

### NBC-RADIO TAKES AXE TO INFORMATION SERVICE

NEW YORK (UPI) — NBC-Radio's national "news and information service" will be discontinued by mid-1977, Jack G. Thayer, president of the NBC-Radio Division, announced yesterday.

The news and information service, providing around-the-clock live news, sports and features reports to radio stations across the United States, was launched June 18, 1975, and was costing NBC \$10 million a year to operate.

NBC's conventional radio network, one of the oldest in the country, was not involved in yesterday's announcement.

"The subscriptions (number of stations) in national audience were not there to support it," Thayer said.

The service's staff of 100 editorial and other employees were informed of the decision yesterday — one of the biggest news days of the year.

## WNIS-FM switching to music

By Gary Deeb  
 TV-radio critic

NBC RADIO'S all-news network is going out of business, and the Chicago affiliate (WNIS-FM) soon will change its program format.

The NBC News & Information Service, conceived 17 months ago, will begin dissolving by January and will fold outright by mid-1977. NBC Radio president Jack Thayer made the

via Tim Benko

announcement in New York and blamed the decision on the failure of the 24-hour, all-news network to sign up enough affiliated stations. Originally projected to include 150 stations, the service boasts only about 60.

In Chicago, WNIS general manager Charlie Warner said his station will switch to a music format, possibly automated, by January. A call-letter change probably also will be instituted. The fate of several dozen employees is undecided.

WNIS is the FM sister station of WMAQ, the popular NBC-owned country music outlet.

S.D. Evening Tribune  
 via Randy Seaver

### Mexican Music Banned

MEXICO CITY (UPI) — A bill now before Congress would sharply restrict the playing of foreign music on all Mexican radio and television stations. Under the proposed measure, 90 per cent of all music broadcast on Mexican stations would have to be Mexican.

DX

Worldwide



BRUCE PORTZER, Editor

All times GMT/UTC  
Deadline Saturday  
2248-2303

7021 Sandpoint way NE - Seattle, WA 98115 - 206-522-2521

ATLANTIC DX ROUNDUP

- 548 ALGERIA, Oran good w/piano mx, then male AA vocal 2245 11/13. (Connolly,MA)
- 566 IRELAND, Tullamore hitting good peaks w/a pgm of live old-style show tunes from a hall in Cork 2248-2303 11/9. (Connolly,MA)
- 647 ENGLAND, Daventry, BBC w/tremendous sig w/cl mx 2150-2230+ 11/7 at various times when checked. No probs from 650 domestics at the time. (Eckman,PA) --- w/end of BBC mx 0629 11/8 read by OM, then YL says "...BBC World Service is available on 1.75 to 1.41, 7.185, 6.18, 8.85, & 8.95", anyone care to guess what that means, I thought it might be SW freqs but they don't fit the BBC. (Oliphant,AB) (Ya got me...bp)
- 719 TUNISIA, Sfax dominant w/male AA chanting & violin mx here o/2nd audio, likely Norte 2241 11/13. (Connolly,MA)
- 737 SPAIN, Barcelona, RNE fair (6db weaker than 773); man in SS 2239 11/13. (Connolly,MA)
- 737 t ISRAEL, Quadima, Barcelona being ripped apart by another stn w/resultant SAH 2150 11/7. Def AA chanting/mx on top of channel around 2159. Tape across the hour revealed no positive ID--only Barcelona's time pips & continuous AA chants. Assuming the Egyptian is no longer on the channel as listed in WRTH, this leaves only the Israeli here w/AA pgmg sked at this time. Gone by 2230 recheck; prob s/off before then. (Eckman,PA)
- 764 SENEGAL, Dakar good w/mx resembling the style of a Trinidad steel band 2238 11/13. (Connolly,MA)
- 773 SPAIN, Synchronized outlets xln't & WABC was much weaker than normal 2236 11/3. Man & woman in SS interspersed w/cool jazz (like Pink Panther theme style); pgm poss a play. (Connolly,MA)
- 818 MORCCGO, Rabat very good well o/TV birdy w/weird violin mx. (like that in a horror movie) 2228, then an AA vocal joined in 2230 11/13. (Connolly,MA)
- 935 MORCCGO, Agadir in at xln't level, no splatter to contend w/as semi-auroral cx had weakened QRM leaving only WWHs ground wave as a possible QRM source; inst AA style mx noted 2256 11/13. (Connolly,MA)
- 953 ? SPAIN or CANARY ISLANDS, SS talk, then inst version of Beach Boy's song "God Only Knows", then time pips at 2300, uptempo mx, then more SS talk; 3 Hz SAH present, sig level good on peaks. Taped for further analysis 2258-2304 11/13. (Connolly,MA)
- 1016 t TURKEY, Istanbul, 0440 11/10 w/nil-fair carrier looping TA. Occ audio yielded melismatic (try a music dictionary for that one!) vocal mx something like Greek popular mx; no listing for BC to Greek or Turkish workers on the German at this time so could be Turkey. Tnx to tip from RCN. (Hall-Patch,BC)
- 1034 ? UNID, approx freq of stn looping NE 0719 11/8 w/end of EE MoR mx, into talk that was either SS or PP, lots of WHO QRM is Lisboa a possibility, taped. (Oliphant,AB) (Portugal most likely. bp)
- 1061 PORTUGAL, Norte poor-fair w/PP talk & mx; SAH & hints of 2nd audio u/ 2253 11/13. (Connolly,MA)
- 1097 ? UNIDs, Cacophonous growl of low hets here 2252 11/13. (Connolly,MA)
- 1214 ENGLAND, Washford et al, BBC w/EE anc'r w/British accent 0644 11/8 giving traffic rpt & times in GMT, MoR mx, 0649 w/English soccer results & wx, good sigs w/CJOC sloop; carriers also noted this night on 818 & 881. (Oliphant,AB)
- 1375 ST. PIERRE & MIQUELON, good w/Aznavour-style FF vocal 2248 11/13. (Connolly,MA)
- 1466 MONACO, Monte-Carlo, TMR fair w/man in GG 2247 11/13. (Connolly,MA)
- 1525 CHINA, Urdmqi noted weak at 2235 w/fast polar flutter. Fair 2300 w/"East is Red" IS discernable thru WKBW/WCKY sloop. Gone soon afterwards & not noted at 0000 check of freq. (Eckman,PA)

PAN AMERICAN DX ROUNDUP

- 540 NICARAGUA, Managua, YNOW, R. Corporacion s/on 11/15 0959 w/anthem, then amnt. (Seaver,CA)
- 545 DOMINICA, Roseau, R. Jumbo fair 11/15 1000:30 s/on to 1010 w/lead-in mx, FF YL talk, mx, FF OM talk, into US disco mx w/DJ talkover & sing-along. No clear IDs yet. S9 at times but 550 splash. (Seaver,CA) --- 11/15 1000 new stn in Indies. In FF w/R. Jumbo IDs & s/on on hour. S/on was "Ici R. Jumbo ... Dominica." (Lobel,CA) --- in w/good sig & min KSP0-

- 640 GUATEMALA, Guatemala, "R. Mac. de Guatemala 11/15 1138 w/xln't ID & marimba mx. CND QRM, KFI OC & TT at times. (Seaver,CA)
- 660 NICARAGUA, Managua, YNAM 11/13 0603, Nice long ID by OM, most of which I didn't understand. But hrd "R. Preferida...seis sesenta kilohertz" & M Preferida ments. Had played curious mixture of Latin disco & syrupy SS ballads for previous 1/2 hr w/many CST TCs. Poor-good w/no sign of XERPM. This tuned slightly above the low hets I hear on 660 so prob is cause of at least some of the noise. (Hall-Patch,BC)
- 675 COSTA RICA, San José, TIJC 0424 11/2 w/SS mx, ID as "Sonora" similar to that used by Titania-825 but w/male voice. (Oliphant,AB)
- 700 COLOMBIA, Cali, HJGX w/ID as R. Sutatenza de Colombia 0203 11/2 w/mx by Rick Wakeman in background, still in strong 0330 w/a couple of IDs on 1/2 hr. (Oliphant)
- 740 ? UNID, FF talk briefly 11/15 0950 u/KCBS OC. Montserrat? (Seaver,CA)
- 780 ? UNID's, Sser o/cl mx pgm. Sser was using reverb & seemed to have ads (hence likely not Cuba); YV or HJ suspected 2234 11/13. (Connolly,MA)
- 800 NETH. ANTILLES, Bonaire, PJB alone on channel w/man in SS good 2231 11/13. (Connolly,MA)
- 825 COSTA RICA, San José, TIOS, "Titania" xln't 11/14 0622 w/US rock, SS romantic mx, YL says "Titania" o/the mx. (Seaver,CA)
- 854 PERU, Lima, OARLA, "R. Nacional" here most AMs 0900-1100 fair-nil, often w/Andean mx which sounds oriental on occasion. Fair 11/15 1025. WC Indonesia hunters beware! (Seaver,CA)
- 860 DOM REP/PANAMA, R. Clarin noted fighting it out w/R. Reforma around 0930 11/9. NB: w/the poss exception of some weekend xmsns, this freq is no longer //either of R. Clarin's SW xrs which as of 10/25 are now being used for a new extensive international svc. (Stanbury)
- 950 ? UNID, 11/15 0313 very faint w/SS u/XEGM. Impossible to ID w/XRGM noise. XEJX & XEFA have been hrd so are strong possibilities. (Lobel,CA)
- 960 COLOMBIA, Magangué, HJHN 11/1 0857 o/WERC on my TRF. All SS pgms & sounded like a man was giving an entire list of all R. Sutatenza outlets. Id as R. Sutatenza on hour. On top of freq. (Nall,KY)
- 1050 MEXICO, Mexicali, XED in loud w/ID 0306 11/15 as "X-E-D" & "La Grand D de Mexicali", no sign of XEG. (Oliphant)
- 1130 ? UNID, SS looping S. playing EE MoR mx 0257 ID twice as R. Rama but in between these 2 were about 4 different R. intro another song & then off 0300 11/15 w/o any amnt (possibly Nogales? s/off time correct per WRTH). (Oliphant,AB)
- 1190 MEXICO, Guadalajara, XENK w/ID 0233 11/15 as LW de America Latina & X-E-W, good w/no KEX hrd. (Oliphant)
- 1210 GUATEMALA, Guatemala, R. Rumbos 11/17 0558-0600 s/off. "Buenos Noches, Guatemala" caught my ear in passing, then s/off amnt. No anthem. (Seaver,CA)
- 1420 h VENEZUELA, Marabina, R. Vision, harmonic hrd almost nightly on 2840 until 0355 s/off. (Stanbury,ON)
- 1550 h COLOMBIA, Barranquilla, HJAX, R. Quince has a nightly harmonic on 3100 kHz. They were also hrd w/strong but very distorted spur on 1710a from 0330 11/7 & again shortly after 0000 11/8. They no longer seem to use their CL in their ID amnt even tho they were doing so as recently as 9/26 when hrd on 1550 at 0600. (Stanbury,ON)
- 1555 CAYMAN ISLANDS, Grand Cayman, Georgetown, R. Cayman, very likely the weak sig I monitored 1030-1130 11/15. Had carrier only to 1055:45 when mx began. Mostly soft mx & singing w/no voice amnt that I could hear, even at s/on. Sig was steady until hear 1130 when considerable flutter was noted, corresponding closely to SR time at Cayman. KRGO-1550 provided the most QRM. Loop was IM-SS. Freq was meas'd as 1554.993 at 1038 (+0.0008 kHz plus gate error). RFS, how about a comparison check, please? This would be a new country for me. (Peterson,CA) --- 11/15 1055 s/on w/S-9.5 sig. Gave full details & followed by song "Yellow Bird" played on organ. Some KRGO-1550 sloop. Had OC for 5 mins before s/on. (Lobel,CA) --- s/on 11/15 1055:45 w/perfectly clear & readable ID. (Seaver)
- 1555 ? UNID, stn hrd here 11/7 0328 at end of rllgs pgm. At 0330 a single long pip, then an amnt by a woman in what I think was EE. A man said a few more words, then there was inst mx. Abruptly, in the middle of mx stn left air completely. Tnx to G. Atkins for tip on this one. Must be mvo outlet on Cayman Is. Avery loud QRM buzz kept me from getting a better reception but looped to Caribbean. (Nall,KY) --- noted weak

carrier here 11/9 0345 looping ST. No audio discernable & gone by 0350. DXN says Cayman Islands on but not noted this late. Can always hope. (Hall-Patch, BC) (DXN sez on later than 0350, see last couple of issues. bp)



Charles A. Taylor  
936 N. Temple Avenue  
Indianapolis, Indiana 46201  
U. S. A.

PACIFIC DX ROUNDUP

- 157 USSR, hrd 1130 11/7. (Wilson, CA) (WRTN lists 155 kHz, 1000 kw in Khabarovsk. bp)
- 182 USSR, Petropavlovsk, 1200 11/7. (Wilson, CA)
- 192 USSR, Blagoveshchensk, hrd 1207 11/7. (Wilson, CA)
- 201 USSR, hrd 11/7 1210. (Wilson, CA)
- 220 USSR, hrd 1220 11/7. (Wilson, CA)
- 228 USSR, hrd 1248 11/7. (Wilson, CA)
- 245 USSR, best sig of the bunch, arm chair quality 1250-0300 11/7 w/talk & mx. (Wilson, CA)
- 635 N. KOREA, Pyongyang has JJ FS in the 1000-1200 hours at least. 11/15 at 1047, 1107, 1130. At 1130 had martial mx, possible ID ("Hoso" & "Kochirawa" hrd), then folk song. Not //625 or 655. This stn may switch to KCBS pgm later. (Seaver, CA)
- 708 S. KOREA, Seoul, HLKA noted here weak 11/15 1018 w/ KBS pgm. (Seaver, CA)
- 830 JAPAN, Osaka, JOBB hrd w/EE lessons 1332 11/8 fighting it out w/WCCO, also on 700. (Oliphant, AB)
- 835 CHINA, Nanchang hrd regularly 1100-1400. On 11/13 at 1300, they had a play across the hour, 6 pips of machine gun fire. On 11/14 1300, a patriotic song, YL talk w/no ID hrd. On 11/15 had tinkly mx to 1200, a pause, 6 pips clear, brief YL talk, "East is Red" anthem, YL ID as "Jiang-Xi Renmin Guangbo Dientai". (Seaver, CA)
- 890 JAPAN, Sendai, JOHK, 11/15 1330 JJ here must have been this one. Male ancr in fast JJ. No apparent ID hrd. Lots of QRN. (Lobel, CA)
- 1040 CHINA, Shanghai, 11/15 1230 in mull of WHO but weak. CC by female ancr. (Lobel, CA)
- 1525 USSR, Khabarovsk outlet weak 11/10 w/Majak chimes & 6 pips at 1400. (Seaver, CA)

CONTRIBUTORS

- Mark Connelly, 52 Amsden St., Arlington, MA 02174 R-390A/URR, SM-2
- Richard Eckman, 1611 E Mt Pleasant Ave, Philadelphia, PA 19150 HQ-180A, Sanserino loop
- Nick Hall-Patch, 3272 Alder St., Victoria, BC V8X 1P2 Modified HRO, FET AA loop
- Albert S. Lobel, 10514 Caminito Baywood, San Diego, CA 92126 DX-150, Sanserino loop
- David Oliphant, 798 16 St. NE, Medicine Hat, AB T1A 5X3 DX-150A, SM-1, TRF, Wedge
- Art Peterson, 851 31st St., Richmond, CA 94804 HQ-180, SM-1
- Randy Seaver, 1154 Via Trieste, Chula Vista, CA 92011 HQ-180A, Sanserino loop
- C.H. Stanbury II, Box 218, Crystal Beach, ON L0S 1B0 HQ-200, longwire
- Ted Wilson, 1001 S. Tamarack, #1, Fullerton, CA 92632 Bendix MN-26, Loop

DXWW II no. 49. Phone 317-635-2164, 2300 to 0330 GMT, Sats and weekdays; 1300-0330 GMT, Suns.

Please take note of the above hours. My work hours have reverted to 0030-2100 GMT, at least for the next four months.

Precision Frequency Monitoring Survey  
from Ronald F. Schatz

kilohertz	ident	MoDaYr	964 966	Popular	100876
526 05fm	Rumbos	100876	974 907	C. America	100876
529 003	AIn Beida	100876	975 085	Pacifico	100876
535 000	Grenada	100876	1009 938	Sutatenza	100876
545 010	Jumbo	100876	1010 423	C M K M	100876
548 017	Oran	100976	1015 000	Y S C	100876
548 022	Oran	100876	1025 001	(Spain)	100976
574 940	R. Guoú	100976	1034 011	R.C.P.	100876
595 000	Dominica	100876	1034 997	4 V E H	100876
624 903	R. Omega	100876	1042 999	RDDR 1	100876
624 913	R. Omega	100976	1045 048	Canajagua	100876
655 008	Y S S	100876	1051 976	(unk T A)	100976
674 005	( T A )	100976	1055 029	Centro	100876
674 997	R. Sonora	100876	1059 174	C M K G	100876
698 901	Colombia	100876	1060 997	(unk T A)	100976
724 861	Columbia	100876	1074 997	F. Caribe	100876
724 972	S.R.S.	100876	1075 256	( unk )	100876
734 965	Melodia	100976	1084 878	A. puerto	100876
755 004	Lisboa	100876	1088 003	(unk T A)	100976
755 9xx	Am. Latina	100976	1097 050	Atlántico	100876
764 328	Sénégal	100976	1106 002	Batra	100876
765 044	Y S K L	100976	1106 009	Batra	100976
774 943	R. Uno	100876	1124 002	El Beida	100976
775 146	Mundial	100876	1124 004	(unk T A)	100876
805 217	( H R . . )	100876	1155 060	Consigli.	100976
818 034	Rabat	100876	1155 217	Y S C F	100876
818 06x	Rabat	100976	11 61 229	Artemisa	100876
818 347	Batra(?)	100876	1162 926	Paraíso	100876
824 974	Titania	100876	1164 989	C.R.L.	100876
826 993	(unk T A)	100976	1187 909	R. Sonora	100876
827 000	Sofija	100976	1208 993	Morón	100876
827 011	Oujda	100976	1210 971	"R.C."	100876
834 011	Belize	100876	1215 8xx	(unk L A)	100876
885 009	Montserr.	100876	1223 000	España	100976
895 000	Artiboni.	100876	1223 003	Vidin	100976
904 849	Radiopol.	100876	1224 380	Bebe	100876
914 310	Apintie?	100976	1231 999	Tanger	100976
916 991	(unk T A)	100876	1294 992	Plata	100876
917 005	España	100876	1304 001	Algérie	100876
925 021	Ecuador?	100976	1306 717	Majestad	100876
925 053	Juvenil	100976	1384 616	(unk)	100876
935 084	Agadir	100976	1403 110	Guinée	100876
952 241	Progreso	100876	1501 996	(unk T A)	100976
Symbols: MoDaYr, Month/Day/Year; fm, frequency fm's; xx, frequency unstable (degree of instability implied by digits blanked).			1505 003	Anguilla	100876
			1524 514	Columbia	100876
			1536 388	El Sol	100876
			1548 23x	V S I	100976

Reporter: Ronald F. Schatz, Uleta, Florida, U.S.A.  
Equipment: Receiver, R-388/URR; Antenna, LSCA-2;  
Counter, Heath IB-101; T.O., Heath IG-102. Ron reports hearing SAHs of 6.9 Hz on 529 kHz; 4.3 Hz on 674 kHz; 2.5 Hz on 755 kHz; 2.3 Hz on 1124 kHz; and 2.2 Hz on 1304 kHz.

PUBLICATIONS

On hand for quite a while, but just now receiving a decent review, is the Gilfer Associates catalog. Mine is a bit dated, so I suspect some items have been added since this copy was received in March. Some items of value to MW DXers are: Logging and Record sheets, in green ink on lightly-tinted green paper, punched for three-ring notebook, at \$2.50; QSL Card Display Album, similar to a photograph album, 5"x7" polystyrol pockets, at \$9.45; Reception Reporting forms, trilingual (English, Spanish and French), at \$2.50; Franklin 24-Hour Clock, with 8"-diameter face, at \$20.50; Telex CS-7 Headphones, dynamic, and soft, ABS plastic earcups, at \$37.30; Telex "Twinset" lightweight headsets, peaked for voice frequencies (best for maximum intelligibility), at \$20.00; SWL Address Book (listing exact address, name and title of verie signer, type of verie, typical reply time, language to be used in report, type of return postage—IRCs or mint stamps—and acceptability of taped reports) by



Gerry Dexter, 64 pp., at \$3.30; Wire Antennas, 192 pp. describes simple theory and construction practice, with direct applicability to MW, at \$5.45; SWL Antenna Construction Projects, 128 pp., with descriptions of various antenna configurations, for farm, suburban backyards, and apartments, once again with direct applicability to MW, at \$4.00.

An addenda sheet, entitled "Oddments Sale", was included. This described various old and new radio receivers which are improved for resale. Two which were applicable directly to MW DXers, were the Drake SW-4A and the Eddystone 940-C (the latter, a true Gem of a receiver), at \$280 and \$370, respectively. I hope that Gilfer is still offering receivers of this sort at the excellent prices. Some of the receivers listed in "Oddments", although not covering MW directly, would be well worth purchasing to be used with a converter to upvert MW to SW frequencies for tuning in their frequency range. Some include noise blankers, which can remove 80-95% of impulse noise (including power-line noise) without chewing up the desired audio (in contradistinction to the typical, sad-sack noise limiter, which usually distorts the desired audio).

In short, I recommend writing to Perry Ferrell at Gilfer Associates, Box 239, Park Ridge, NJ 07656, U.S.A., for the latest catalog. Other mailings from Gilfer will be included in DXWW II as they are received here.

Now, for some DX Gnus:

Banladesh (MWN Sep) R.B. Khutna-1340 is now 50 kW (DX Digest).

Brazil (MWN Sep) Via MWAKI: ZYK40-730 now ZYB59. Via Benelux (8-76): "The new frequency plan will take effect at midnight local time on Oct. 3, 1976. All stations must be ready for it or leave the air". The major problem is to import the new 300-kW xmtrs from overseas in such a short time (DAN).

Colombia (MWN Sep) Via MWAKI: HJBI-840 now 50 kW.

Egypt (SCDX 1397) "Cairo's Koran Radio...has been on the air for several years. It is at present heard 0110-0800 and 1200-2100 over 1159, 1340...kHz. To compare this station with ETLF does not seem quite appropriate. Koran Radio does not bear a missionary character, does not try to convert and does not address itself to non-believers. Its format is designed to provide religious programmes, religious background material, etc., particularly to outlying rural districts as well as to a general Islamic audience. (Berd Bluman, Tel Aviv, Israel)

Germany, Fed. Rep. (MWN Sep) Saar-180 to 2 MW (now 1.4 MW), Munich-1602 now 370 kW day-night.

Greece (MWN Sep) Athens-980 200 kW ex-1142, Iraklion-953 ex-980, Joannina-1142 ex-953.

India (MWN Sep) Via MWAKI: New AIR Darbhango-1160 10 kW, Madras-1150 ex-1420, Pondicherry-1060 ex-750. New AIR on 1100, Rahtak, Harayua state. (Distance)

Italy (MWN Sep) La Radio Ricerca Aperta in Bologna is the first Italian private station to operate on MW, and began on 1196 and now moved to 1205. R. Gama, Milan, tested on 1615...On June 25th, the Italian Constitutional Court ruled that Private Local Radio and TV are legal. Monopoly of RAI-TV will survive for national broadcasting. There are now 600 Locals on FM. A law is now expected to cover such matters as frequency allocation, transmitting power, equipment standards, public access and so on. Test also on MW from Udine (on 1000), Catania, Florence and Riccione (all via Stefano Valianti).

Japan (SCDX 1398) The VOA Frequency Schedule Sept 5-Nov 6, 1976, lists Okinawa-1178 to E. Asia 1100-1600 GMT (Oliver T. Goonawardena, Moratuwa, Sri Lanka). Both VOA and FEBC Okinawa must cease operation before May 14, 1977 (Isomi Yamaguchi, Tokyo, Japan).

Libya (MWN Sep) Power reductions (1cat): 1124 and 1250 from 1.0 MW to 500 kW; Sabha-827 600 kW to 300 kW.

Paraguay (SCDX 1402) ZPA15-573 now RA home. Addr: Radio La Voz de Amambay, 14 de Mayo No. 475, Pedro Juan Caballero, Paraguay (Sergio Partamian, São Paulo, Brazil; Tony Jones, Asunción, Paraguay).

Spain (MWN Sep) New is Logroño-728 20 kW (RTVE-1), Cabra EGS12-1570 ex-1133, Huelva EBF51-1570 (ex-1097).

Sweden (MWN Sep) Power reductions: Motala-151 600 to 300 kW, Sundsvall-593 150 to 10 kW, Falun-1223 100 to 10 kW.

Uruguay (SCDX 1399) CX52-1170 is now R. El Mundo (3 kW) (Horacio A. Nigro, Montevideo). New since Aug 25 is CV127-1270 R. Guateim. Addr: Avenida Lecueder 244, Artigas, Uruguay (Horacio A. Nigro).

Yugoslavia (MWN Sep) Belgrade-683 power to 1.0 MW ex-400 kW, Ljubljana-917 to 600 kW ex-200 kW). That's another DXWW II for now. Thanks to Father Jack for sending along Medium Wave News item. 73 *Charlie*

THE INDIANAPOLIS STAR 11/14/76

## 'Airwave Battle' Carries Fight For Rhodesia Onto Radio

Maputo, Mozambique (UPI) — A nightly battle of the airwaves has developed between Marxist-backed guerrillas based in Mozambique and anti-Marxist Mozambicans based in neighboring Rhodesia.

Every night at 8 o'clock, guerrillas of the Zimbabwe Peoples' Army (ZIPA) broadcast in English over Mozambique radio to the Rhodesians. Their main theme is that they will continue the guerrilla war against white-ruled Rhodesia "until final victory."

They have already rejected plans for a peaceful transition to majority rule in Rhodesia pushed by U.S. Secretary of State Henry A. Kissinger. They stress that their aim for Rhodesia is revolution.

"We are not fighting just to have a black prime minister installed in Zimbabwe (the African name for Rhodesia)," the guerrilla broadcaster says. "Our aim is to achieve a social and economic revolution."

FROM THE RHODESIAN side the anti-Marxist broadcast, calling itself the "Voice of Free Africa", hits back in Portuguese, the language of Mozambique's former rulers and lingua franca of the Mozambican tribes.

It concentrates mainly on reports of administrative chaos and antigovernment agitation in Mozambique, ruled by Marxist President Samora Machel.

The guerrilla radio started its broadcasts in March, when Mozambique closed its frontier with Rhodesia. The broadcasts from Rhodesia started in July.

At first the Mozambique authorities tried to ignore the anti-Marxist broadcasts. But recently editorials in the state-run newspapers have started blasting the "Voice of Free Africa" radio, calling it the "Voice of the Hyena".

THE STATE-RUN Mozambican radio said the broadcasts from Rhodesia

carried "distorted news, slanderous commentary and decadent music."

Mozambican authorities say the "Free Africa" broadcasts are beamed from the Rhodesia Broadcasting Corporation in its Salisbury studios and that the brain behind them is Jorge Jardim, a Mozambican millionaire who fled the country when the Marxists took over when Mozambique became independent two years ago.

The authorities also charge that the Rhodesia-based radio is "financed by the CIA, European and American anti-Communist organizations and American religious groups."

The guerrilla broadcasts from Mozambique usually consist of a five-minute news broadcast, following by a 10-minute commentary.

LATELY THE commentaries have concentrated on denouncing Kissinger and his plan for a peaceful black takeover in Rhodesia, which the broadcasts refer to as "Kissinger's vicious scheme." They state repeatedly that the guerrilla war will continue until the white regime of Rhodesian Prime Minister Ian Smith is forced into "complete and total surrender."

The guerrillas also denounce moderate Rhodesian African leaders such as Joshua Nkomo, Bishop Abel Muzorewa and the Rev. Ndabaningi Sithole.

Diplomats and newsmen listening outside Mozambique's borders regard the guerrilla broadcasts as a useful guide to the thinking of Mozambique's Marxist rulers and the guerrilla organization they are sponsoring.

UNTIL THE RADIO broadcasts started, very little was known outside Mozambique about the "Zimbabwe Peoples' Army" and its aims. The ZIPA guerrillas, believed to number between 6,000 and 10,000, conduct guerrilla strikes across the Rhodesian border from four secret camps scattered along Mozambique's 800-mile border with Rhodesia.

68—Rocky Mountain News

Thurs., Nov. 4, 1976, Denver, Colo.

## Aspen radio tower toppled; investigation sought

ASPEN (UPI) — The general manager of radio station KSNQ said Wednesday persons upset by the outcome of the election may have been responsible for toppling a 206-foot tower.

Vandals released two braces and cut guy wires early Wednesday, bringing the radio tower to the ground. Station manager Jon Bush said the destruction was discovered at 6:35 a.m. when a disc jockey arrived for work.

Bush said the Federal Communications Commission and Federal Bureau of Investigation would be asked to help investigate.

Bush said the station hopes to resume broadcasting by Thursday.



## Radio tower toppled

Persons unhappy with Pitkin County's election results may be responsible for the Wednesday toppling of the 206-foot tower of Aspen radio station KSNQ, authorities believe. Guy wires were cut and two braces were released.

UNIFAX II

# Special Features

## "SUPERPOWER": SORTING OUT THE RUMORS ABOUT CLEAR CHANNELS

by Bill Hardy

### Part 2

(Concluded from page 100)

One other pertinent point in the Rocky Mountain News article in the 2/14/76 DXM is the deadline for comments to the FCC. Unless this deadline is extended for some reason, that deadline is 3/18/76.

Reply comments, which are those answering statements or allegations made in the original comments, will probably be due within a few weeks of that date. If any DXers are considering making formal statements to the FCC on this or any other issue, they should know that the FCC requires an original and 14 copies (or 15 total documents) of the comments, all of which must be legible. See Section 1.49 of the FCC rules for instructions on how to type up formal comments. I suspect that the FCC could take simple letters into consideration, but they wouldn't have any formal weight in a rulemaking proceeding. And keep in mind that the club officers are the only ones authorized to speak in behalf of IRCA or its membership. Any member, of course, may comment as an individual. I suppose that it would be okay for members to mention that they belong to IRCA and/or NRC, in order to establish their credentials, but they should clearly state that they are speaking for themselves as individuals and not as spokesmen for the club.

One further bit of background info. The FCC has had restrictions on applications for new stations or power/pattern changes on any frequency within 30 kHz of a Class I-A frequency assigned to the U.S. These new or changed facilities have to protect all existing Class I-A stations assuming they increase power to 750 kw with existing antenna systems and radiation patterns; they also cannot be more than 500 miles away from the protected nighttime skywave contour of any of the I-A channels within 30 kHz of that frequency. The latter is to protect the ability of the FCC to assign Class II-A stations at all points outside the 500-mile extensions of the I-A's contours. This protection is also given to the existing Class II-A assignments, and, before licenses were granted, it assumed a 50-kw nondirectional station on the nearest corner of the nearest state that could be assigned the Class II-A station. The stations were also to protect potential Class II-A stations at the nearest point on the 500-mile extension of the I-A's contours. In other words, the FCC has kept its options open since 1961, so that, at a later date, it could (i) allow the unduplicated Class I-A stations to up power, perhaps to 750 kw; or (ii) allow any number of Class II-A stations on all Class I-A frequencies, at a distance of 500 miles or more from the present nighttime interference-free contours for the Class I-A stations.

So what is the FCC going to do? Come back by the end of the year and I'll tell you, hi. Or perhaps, the FCC will try "superpower" or try some more Class II-A stations, but, as in 1961, set everything up so that they can change their options later on - perhaps in 1991, as it seems to be coming up for discussion each 15 years, first in 1945, then in 1961, now in 1976. One thing that may hang up "superpower," even if the FCC authorizes it, is that federal, state, and local environmental agencies might not. That's something that the FCC and broadcasting industry didn't have to contend with even in 1961. (How are you going to clear a tower site if the environmental agencies won't issue you a permit!)

Anyway, it should be interesting. I hope I've helped put the situation into perspective and helped clear up any misunderstandings about it. I welcome correspondence on this subject and any comments in DX Forum.

- Bill Hardy, 2301 Pacific Ave., Aberdeen, WA, 98520

This article from the 11/24/75 Milwaukee Journal was submitted by Bob Lazar of Madison, WI. Here the first paragraph is inaccurate.

## FCC May Unbridle Broadcast Power

Washington Star Service  
 Washington, D. C.—The Federal Communications Commission reportedly is getting set to recommend creation of per-

haps a dozen superpowered radio broadcast stations in the final phase of a proceeding that formally began 30 years ago. The seven member agency

has in draft form a 13 page document in which it says it will consider allowing several so-called clear channel broadcast stations to boost their power to perhaps 10 times the current maximum. This would permit these stations to be heard throughout the nation. Eligible for such high power — perhaps 500,000 watts, compared to the current maximum of 50,000 — would be a dozen

stations currently on clear channels, frequencies on which there are no other stations.

### Unfilled Need

The rationale for such high power stations, the commission says, is the unfilled need for nighttime service in rural areas where there is no local radio. An FCC report in the clear channel proceeding in 1961 concluded that about half the nation's land area and about 25 million people were without nighttime primary service from any standard broadcast station.

The draft report of the agency, however, points out that there are a number of problems with such high powered stations. These include interference to existing stations on nearby channels, blanketing nearby radio receivers, interference in telephone lines and home audio systems and the possibility of burns or electrical shock to people who touch metal structures in the vicinity of the transmitters. In fact, only one US broadcast station has ever used 500,000 watts of power — WLW in Cincinnati, Ohio, between 1934 and 1941. The station was required to reduce its power when World War II began.

### Heard Round the World

Although WLW was heard round the world, there were some local problems. Individuals living close to the transmitter site reported hearing broadcasts through the metal fillings in their teeth. There were numerous areas near the transmitter where residents could not turn off the electric lights in their homes because the household wiring was acting as a giant antenna, keeping lights glowing.

Industry officials predict that any move to boost the power of the existing clear channels is likely to be the subject of a bitter fight by owners of less powerful stations.

"In any sort of reasonable allocation there wouldn't be any more than 10 stations that would get this power, and that means over 4,000 that wouldn't — and that means every other station that wouldn't get it would be 'opposed,'" said one official.

The clear channel proceeding, which dates to Feb. 20, 1945, is the oldest active docket at the FCC.

The FCC had been scheduled to take up the clear channel matter at its Oct. 29 meeting, but the case was sent back to the staff for some minor rewording.

The following article is from the Wall Street Journal of 11/24/75, submitted by Vern Maxham of San Francisco. Notice the misleading headline.

The following table lists, for your convenience, the 25 Class I-A clear channels assigned to the United States, as well as the existing Class II-A assignments on them.

Freq	Class I-A	Class II-A
640	KFI	Unduplicated
650	WSM	Unduplicated
660	WNBC	Unduplicated
670	WMAQ	KBOI
700	WLW	Unduplicated
720	WGN	KDWN
750	WSB	(KFKD, special assignment, not Class II-A)
760	WJR	(KFMF, special assignment, not Class II-A)
770	WABC	(KOB, special authorization, in contest)
780	WBEM	KCRL
820	WBAP	Unduplicated
830	WCGO	Unduplicated
840	WHAS	Unduplicated
870	WHL	Unduplicated
880	WCBS	KRVN
890	WLS	(Class II-A, somewhere in Utah; applications filed, none yet granted)
1020	KDKA	KBCQ
1030	WBZ	KTWO
1040	WHO	Unduplicated
1100	WWWE	KREX
1120	KMOX	KPNW
1160	KSL	Unduplicated
1180	WHAM	KOFI
1200	WDAI	Unduplicated
1210	WCAU	KGYN

## Staff Proposal for "Super" Radio Stations Expected to Get FCC Approval This Week

By BURT SCHORR

Staff Reporter of THE WALL STREET JOURNAL

WASHINGTON—The Federal Communications Commission again is eyeing the white spaces on its broadcast map of the U.S. and it could propose some "super" radio stations to fill them.

Authorizing super stations—15 times more powerful than any commercial AM stations currently operating in the U.S.—is one of several staff recommendations the commission is expected to vote on this week. The formal FCC proposals that are expected to result would represent yet another effort to settle issues that have been pending for more than three decades.

The proposals also could mean that broadcasters will be competing for valuable new frequencies representing "the last frontier" in AM radio, as one FCC staff man describes it.

The FCC long ago sought to deal with the white spaces on its broadcast map—representing remote areas that otherwise wouldn't have any AM radio service—by granting to 25 "clear channel" AM frequencies the highest degree of protection from interference.

### A Nighttime Problem

The clear-channel concept itself reflects the behavior of AM, or amplitude modulation, the most common kind of radio transmission. Unlike FM, or frequency modulation, AM radio signals at nighttime bounce back off the ionosphere. This extends the range of broadcasting, but it also creates an interference problem; stations around the country on the same or similar frequencies might interfere with each other at night even if they don't overlap in the daytime.

The clear-channel stations are authorized to operate both day and night at 50 kilowatts of power—the maximum allowed by the FCC. This enables them to reach nighttime listeners hundreds of miles from the transmitters, or far beyond the range of broadcast stations on other frequencies who after sundown usually must restrict their signals, reduce power or go off the air.

Of the 25 clear frequencies, 12 currently are used by a single AM station each. The remaining 13 are shared by a "dominant" clear station and one other station that must direct its signal in a way that avoids interference with the dominant station.

From the onset, though, the broadcasters



seeking clear-channel authorization have been concentrated in the more populated areas of the Northeast and Midwest. Even with help from the ionosphere their transmissions usually aren't intelligible to set owners in the Rocky Mountain states, for example, or the Southwest.

**Can't Allow Full Sharing**  
On the other hand, the FCC can't allow full sharing of the clear-channel frequencies by stations in those regions because their broadcasts could produce interference 30 to 60 times farther away than their audible sig-

nals would reach.  
The commission initially attacked the problem in 1961 by allowing the 13 "Class 2" broadcasters to share clear channels.

Now, the staff is recommending further steps to cover the white areas, including the proposal to license perhaps four 750-kilowatt stations around the country. New York, Atlanta, New Orleans and Chicago metropolitan areas are conceived as possible sites for the super transmitters. The vast step-up in power would create a high-quality AM signal throughout the present white areas, where an estimated 22 million persons live,

one FCC staff official says. And these stations wouldn't be affected by the periodic fadeout that plagues lower-power clear-channel stations due to the constant changes in the ionosphere.

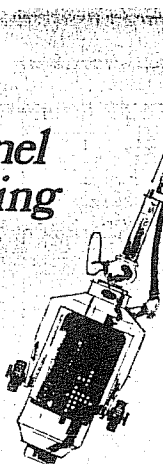
There are problems with the proposal. One is finding a suitable transmitter site. Even at currently authorized power levels, radio transmissions can be picked up in nearby metal structures, such as construction cranes, burning or shocking anyone coming in contact with them. Observing that such transmissions also are picked up in electrical circuits, one FCC man foresees

the possibility that "you couldn't turn off a light within five miles" of such a super transmitter.

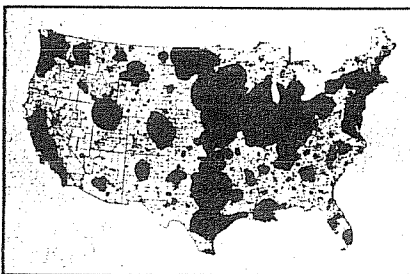
Alternative options being offered by the staff include further breakdowns of the closed channels in line with the 1961 decision. But even with a formal proposal, a final FCC order won't come quickly. For one thing, the commission is studying the extent of FM transmission in the AM white areas and may conclude that radical AM moves aren't needed. There also is expected to be widespread opposition by conventional broadcasters to any clear-channel expansion.

Bob Lazar of Madison, WI, sent this pamphlet from the Clear Channel Broadcasting Service. He says it came with a WGN-720 verie; WGN's president heads CCBS. CCBS members include many 50-kw Class I-A stations, but do NOT include CBS, NBC, or ABC-owned stations. This is obviously an old pamphlet. It does not show coverage areas for such Class II-A stations as KPNW, KEOI, etc. It also lists WFAA-820 Dallas as a member, and WFAA has not shared time with WBAP since 1970. Many of its statements are inaccurate opinions. It is reprinted here for your interest. -BH.

# The Case for Clear Channel Broadcasting



Millions of Americans depend on clear channel broadcasting as their only source of nighttime radio programming, yet a "creeping paralysis" threatens this vital public service



More than half of the country (white portion of map) is a "radio desert" at night without clear channel broadcasting.

**EDITOR'S NOTE:** This map is amusing and could be confusing. It seems to be based on conditions between 1961 and 1968, as it does not show coverage of Class II-A stations such as KPNW, KEOI, etc. The map shows GROUNDWAVE coverage only; the idea is that if there were no skywave at night, people in these white areas wouldn't get any radio stations. --Bill Hardy.

Roy Battles, Executive Director  
Clear Channel Broadcasting Service  
917 Catritz Building  
1625 Eye Street, N.W., Washington, D.C. 20006

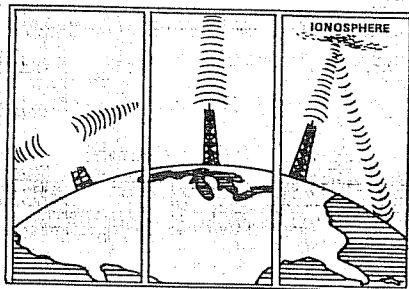


FIGURE 1 FIGURE 2 FIGURE 3

FIGURE 1. Groundwave radio signals parallel the curvature of the earth day and night.

FIGURE 2. Skywave radio signals are lost in space during daylight hours.

FIGURE 3. At night, the ionosphere becomes a mirror and reflects skywaves back to earth over great distances. It is these nighttime skywave signals that are used by clear channel radio stations.

RADIO CLEAR CHANNELS are vital to America. Without them, millions would be deprived of their only nighttime AM radio service. The stations using these channels are licensed to provide wide area nighttime service—radio to all America.

These stations provide the only radio listening available to residents and travelers in rural regions encompassing nearly 60 per cent of the nation's land area.

These areas enjoy good daytime reception from local and regional stations. Beginning at sunset, however, because of changes in the ionosphere which reduces the coverage of regional and local stations, they are without AM radio except for clear channel signals.

### An Exclusive Roadway

Clear channel means, simply, a channel of air or a roadway through the sky that is used exclusively by one station at night, transporting radio signals over vast areas which cannot be reached in any other way after sunset.

Technically, clear channel wide area coverage is possible because of radio's skywaves, one of two kinds of signals emitted by all AM radio stations. The other is groundwave.

Skywave signals are directed toward the sky. During the daytime, few return to earth. But at night, the ionosphere changes so that it acts as a mirror and scatters usable skywaves back to earth over great distances. Therefore, only one station may use a clear channel at night.

Groundwaves, on the other hand, parallel the curvature of the earth day and night. They provide dependable service as long as the signal is strong enough to overcome static, noise and interference.

### Dangers of Duplication

If more than one station operates on a channel at night (duplication) their skywave and groundwave signals clash so that they are damaged or destroyed.

This is why only clear channel stations provide skywave service. However, over the years Federal policies have permitted an alarming number of stations in urban areas to transmit on some clear channels, thus destroying skywave service to remote rural areas.

Duplication—or breakdown—of 15 of these irreplaceable clear channels has resulted in less programming for underserved regions and increased programming to already well-served urban communities.

Of the original 40 clear channels, only 25 exist today. The others have been dissipated by duplication.

Generally, once a second station is assigned to a clear channel, other such assignments follow. Today, there are as many as 11 stations operating on what was at one time a very valuable and, indeed, "precious" (service-wise) I-A clear channel.

### Unrealistic Power "Ceiling"

Another alarming condition is the government's unrealistic ceiling on transmitting power. The use of additional power is needed to carry reliable signals.

Higher power (above 50 kilowatts) will help to overcome the growing interference from foreign stations operating on U.S. clear channels, static, the peculiar variances of skywave service and to counteract increasing levels of electrical noise.

Though the number of U.S. radio (AM) stations has increased from 503 in 1938 to more than 4,150 today, it is the few remaining clear channel stations that still provide the only nighttime AM radio for huge rural and small town regions.

## Clear Channel Broadcasting Service

### (MEMBERS)

- 640 kc KFI San Francisco, California  
George A. Wagner  
President and General Manager
- 650 kc WSM Nashville, Tennessee  
Irving C. Waugh, Jr.  
President
- 700 kc WLW Cincinnati, Ohio  
John T. Murphy  
President
- 720 kc WGN Chicago, Illinois  
Ward L. Quaal  
President

- 750 kc WSB Atlanta, Georgia  
J. Leonard Reinsch  
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## WANTED

Any information on the RAP-201A preamp manufactured by the Bendix Radop Corporation. The main information wanted is the schematic, frequency range, and specs (i.e., gain, etc.).  
WARREN E. GREENBERG, 145 COTTAGE ROAD, WEST ROXBURY MA 02132

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TOM O'CONNOR, 1316 LAKE STREET, EVANSTON IL 60201;  
PHONE: (312) 869-4445 NO COLLECT CALLS PLEASE

page 124 November 27, 1976

### THE INTERNATIONAL RADIO CLUB OF AMERICA, INC.

A non-profit club devoted to listening to distant radio stations on the broadcast band (510 to 1630 khz). IRCA is a member of ANARC, the Association of North American Radio Clubs.

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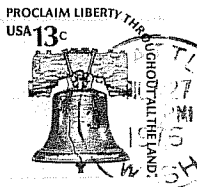
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