



# DX NEWS

*the magazine of the  
National Radio Club*

— SINCE 1933 —

VOLUME 52 ISSUE 16 January 28, 1985

AM Switch, two columns of it this week, It wasn't the Post Office fault last week, it was us, we had his column mixed in with some stuff for this issue, so I didn't discover it till now...sorry gang. This weeks AM Switch can be found on page 3. No Musings this week, this I know is the mail, as we have looked to make sure we didn't file it elsewhere, hi. The IDXD column that should have ran last week can be found on page 8, with this weeks column starting on page 9.

NRC HAM list is inside this time. If your a HAM and not on the list send your info to Russ Edmunds. His address can be found on the bottom of page 23.

Also on the bottom of page 23 is the some reliable info on WAMB. They are definitely on 1160, as the QSL received by Karl Jeter will justify. Thanks Karl.

Another view of "Goat-gland" Brinkley can be found on page 13. Someone is always writing about that guy.

NRC '85 Convention Information: Auction Items: Heavy and/or bulky things can be sent to the following address anytime from now until the Convention date. The items will be stored in a dry safe area. The items will be taken to the hotel for the auction. Additionally, if someone purchases an item, I can arrange to have it shipped to him at my cost. Ship your auction items to: Craig Healy, Clement Associates, 246 Pine St., Seekonk, MA 02771.

Need to get to the NRC Convention cheap!! (and who doesn't). Craig Healy says, "I do have a good travel agent who is willing to coordinate plans so that members leaving from the same general area can qualify for group rates. This agent is the one that got me from Boston to Colorado Springs last year for \$325. Others in the area paid \$508 to get there!!! Make sure you mention that your travel is for the NRC Convention. Write or Call: Terry's Travel, 1515-A Newman Ave., Seekonk, MA, 02771 617-399-6290".

Logbook Updater is now available for 3-20 cent stamps or 60 cents to NRC Members Only or US\$1.00 to Non-Members. Order your Updater from NRC Publications Center Address on the back of this issue. And please allow 4 to 6 weeks before you start calling or writing, hi.

Want to know what other products are available from the NRC? All you have to do is send a stamp to: NRC Publications Center. The address is on the back of this issue.

CPC TESTS: Times are Eastern Local Time

Feb 18 WETB-790, Johnson City, TN 0000-0100 Tones & Music, Portion at 500w PSA power  
Monday & 59w PSSA power. Reports to: C.W. Williams, Assist. CE, Box 1716, Johnson City,  
TN, 37603. Arranged by Dave (DDXD) Schmidt.

Feb 18 WJSO-1590, Johnson City, TN 0130-0230 with 5000w, Non-Directional. Tones and  
Monday music. Reports to: C.W. Williams, Assist CE, Box 5188, Johnson City, TN 37605.  
Arranged by Dave Schmidt (T.Connaster - he has you and me beat this year, hi.)

Feb 18 WQIQ-1590, Chester, PA 0100-0130 1000w Non-Directional, with tones, music, IDs.  
Monday Reports to: Dave Schmidt, WQIQ, 12 Kent Road, Aston, PA, 19014. Arranged by  
Dave Schmidt.

LOOK INSIDE:

- |  |   |             |
|--|---|-------------|
| 2.....AM Switch  | 3.....AM Switch                               | 4.....DDXD  |
| 8.....IDXD   | 9.....IDXD                                    | 14.....DDXA |
| 17.....RT-1 Remotely-Controlled Antenna-Tuner, Article 2: Tuner Box Construction |   |             |
| 22.....NRC HAM List  | 24.....Your Name and NRC Addresses and Facts! |             |

**THE WORLD'S OLDEST AND LARGEST ALL MEDIUM-WAVE DX CLUB**

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# AM SWITCH

Jerry Starr, c/o WHOT Radio, 401 N. Blaine Ave., Youngstown, OH 44505

## CALL LETTER CHANGES

Old call:	New call:	Old call:	New call:
600 KOGO CA San Diego	KLZZ	1030 *New VA Floyd	WGFC
760 WGGD NY Champlain	WCHP	1040 *New CA San Diego	KSDG
840 WWAX AL Mobile	WBHY	1210 KNEF CA San Marcos	KPRZ
*New KS Lyons	KTFR	1500 KYCS TX Boerne	KBRN

## APPLICATIONS FOR NEW STATIONS

1480 ID Gooding: 1000 D1 (change in original application for 1490 kHz)

## GRANTS FOR NEW STATIONS

600 KY Paintsville: 500 D1  
 830 WY Evansville: 10000 D1  
 840 KS Lyons: 2500 D1  
 980 NY Cazenovia: 1000/500 U4  
 1000 TX Marion: 1000 D3  
 1030 VA Floyd: 1000 D1  
 1240 AZ Quatrzsie: 1000/1000 U1  
 1350 MO Washington: 500 D3  
 1560 WA Summer: 500 D1 (replaces the deleted KFWY)  
 1590 FL Port St. Lucie: 500 D1

## APPLICATIONS FROM EXISTING FACILITIES

800 WEAB SC Greer: power to 1000  
 1130 WOGY MN Minneapolis: NIGHT power to 50000 (corrects previous listing)  
 1230 WEEX PA Easton: night power to 1000, U3  
 1340 KHUB NE Fremont: night power to 1000  
 1380 WKY KY Winchester: power to 2500  
 1450 KOBO CA Yuba City: night power to 1000

## GRANTS TO EXISTING FACILITIES

570 WPLP FL Pinellas Park: power to 5000/5000 U4  
 770 WAIS OH Buchtel: power to 1000  
 1110 KGFL AR Clinton: power to 5000 (1000 CH) D1  
 1360 WHBG VA Harrisonburg: change city of license to Bridgewater, VA  
 1380 WTOB NC Winston-Salem: night power to 2500, relocate XR

## OTHERNESS

1540 WARD PA Pittston: In answer to the question we raised previously, we spoke directly to the manager and he confirms that the move to 1550 IS A GRANT, power will be 5000/500 U4, no target date yet. So it seems that one usually reliable source (whose ONLY business is the relaying of FCC information, so you think they'd get it right) recently mixed up some applications with some real grants all under the "grants" heading. We'll keep digging until we find out what's what. Now that we've solved the WJTX-870 (really an application) and the WARD mysteries we turn our attention to the suspicious "grant" for a new station in Falcon, CO which we believe was only a reapplication. As of now we have been unable to find and contact anybody connected with this facility. Any ideas CO members?

73 and Good DX,

*Jerry & BKF*

Jerry Starr & Buffalo K. Foonman

**CFOR 1570**  
 241 WEST STREET NORTH • ORILLIA, ONTARIO L3V 5C9

**WLBO 1570**  
 radio  
 logan & tyler streets  
 morgantown, W. VA 26501



## CALL LETTER CHANGES

Old call:	New call:
600 *New KY Paintsville	WKLV
640 *New FL Titusville	WGNZ
1030 *New AL Leeds	WOOB
*New MD Indian Head	WBZE
*New NC Wake Forest	WDBZ
1470 WRML PA Portage	WWML
1550 WORI TN Oak Ridge	WKHF
1580 WCRV NJ Washington	WSRR
1600 WANR WV Wheeling	WUNI

## APPLICATIONS FOR NEW STATIONS

670 TN Farragut: 500 D1 (reapplication)  
 700 MD Walkersville: 5000 D3 (reapplication)  
 720 FL Hernando: 10000 D1  
 750 NC Raleigh: 1000 D1 (non-commercial)  
 1100 MN Madison Lake: 500 D1  
 1190 PA Hughesville: 1000 D1  
 1360 CO Johnstown: 500 D1  
 1500 WA Tumwater: 500 D1

## GRANTS FOR NEW STATIONS

640 FL Titusville: 10000/1000 U1 +  
 670 CO Commerce City: 5000/1000 U2 (corrects powers)  
 930 IL Sandwich: 500/500 U4 (initial decision)  
 1030 MD Indian Head: 50000 D3  
 NC Wake Forest: 50000 (2500 CH) D3  
 1060 HI Hilo: 1000/1000 U1

+We wonder what kind of Cuban interference this will have to contend with

## APPLICATIONS FROM EXISTING FACILITIES

730 KTOX ID Boise: power to 1000  
 810 WDDD IL Johnson City: add 250 watts night, become U2  
 980 KMIN NM Grants: to 1400 kHz 1000/1000 U1  
 1450 KJMB CA Blythe: night power to 1000, remain U1

## GRANTS TO EXISTING FACILITIES

540 KKAR CA Hesperia: changes in antenna system  
 590 KSSK HI Honolulu: changes in antenna system  
 610 WRUS KY Russellville: 5000/5000 U2 (corrects previous listing)  
 1070 WMIA PR Arecibo: night power to 2500  
 1150 KFHM TX San Antonio: to 1160 kHz 10000/1000 U3  
 1340 KQIL CO Grand Junction: to 1370 kHz 5000/1000 U2  
 1360 WCHQ PR Camuy: night power to 1000, changes in antenna system  
 1550 KVAN WA Vancouver: changes in antenna system

## OTHERNESS

750 \*App WI Plover: application for new station returned  
 760 \*App TN Spencer: application for new station returned  
 850 WLRC MS Walnut: power increase denied, has filed Petition for Reconsideration  
 880 KDXA NV Lovelock: has filed for extension of CP completion time  
 890 KPTD CA Citrus Heights: has filed for CP extension  
 WYAI MS Ridgeland: has filed for CP extension  
 1170 WXAX SC Lexington: application for power increase returned  
 1180 WKKE MS Pearl: several issues ago we listed their application for power increase on 1190, a typo, they remain here on 1180 kHz  
 1210 KLIT ID Meridian: has filed for CP extension  
 1450 KDXU UT St. George: their move to 890 has been delayed again, now expecting to make the change in "60 to 90 days", power will be 10000/10000 U2, listing in Log is incorrect  
 1490 WAQX NY Syracuse: move to 1510 kHz was denied, has filed for reconsideration with new engineering  
 1510 WINU IL Highland: application for fulltime on 880 kHz returned

73 and Good DX,

Jerry Starr & Buffalo K. Foonman

*Jerry & BKF*

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## STATISTICS FOR 1984

According to the M Street Journal, the FCC granted 288 call changes to AMs in 1984. There were 86 new AM stations granted, of which only 12 are known to be operating (there may be a few more on since the count was made). A total of 34 frequency changes of existing stations was granted, of which 11 are known to have taken effect.

# DOMESTIC DX DIGEST

Dave Schmidt, 42 Chelwynne Road, Castle Hills, New Castle, DE 19720

Here is the official NRC column which is almost as exciting as meatloaf! When sending your items in, please type of neatly write, skip a line between items, EST, one side of the paper, and all that jazz. Without further ado, here we go again:

## \*DX TESTS\*

- 790 WETS TN JOHNSON CITY - 12/31 0057-0108 good in WAEB's partial null w/pop music warble tone and ID, then lost to WAEB. (KG-PA)
- 1590 WJSO TN JOHNSON CITY - 12/31 0200-0236 very strong o/WAKR w/pop music, warble tone, and ID's every 5 minutes. (KG-PA)

## \*SPECIAL\*

- 590 KLSN WA SPOKANE - 1/7 0500 atop KTHO w/Talknet then NBC news, ID, 1st day on new calls, ex-KHQ. (DKK-CA)
- 770 WAIS OH BUCHTEL - Signed on 12/10 w/automated CW format, studio on Hocking Street, right around the corner from my former OH location. (PRM-NJ)
- 990 WZZD PA PHILADELPHIA - 1/14 1820 good w/Contemporary Christian music, ID, good w/5000 watt non-DA per tip from Rene Tetro, CE (& NRC member!), usually never heard here at night! (DS-DE)
- 1110 WHIM RI E PROVIDENCE - 1/10 0648 per anc't, daily s/on is now 0600 w/full power, noted 0635-0650 very strong o/WBT w/CW music, time, weather, lottery #'s, sports, contest promo. THIS STATION NOT IN NEW LOG! (KG)
- 1310 WGH VA NEWPORT NEWS - 1/3 0057 w/CW music, briefly o/WSSJ w/ID, promo, ex-WNSY. (DB-VA)
- 1440 WLXN NC LEXINGTON - 1/2 1729 'The Gospel Voice of the Triad' then gone at pattern change, ex-WBUY. (DB-VA)
- 1450 WPAM PA POTTSVILLE - Per anc't, went 24 hours on 1/1 w/Larry King AN show, anc'd as Stardust Radio. (KG-PA)
- 1540 KLSY WA BELLEVUE-SEATTLE - 1/7 0602 w/ID as 'Classy', lite rock/pop music, alone w/no KSKQ/KXEL, ex-KJZZ. (DKK-CA)

## \*MIDDAY - MIDNITE\*

- 750 CKGB ON TIMMINS - 12/22 1620-1635 w/pop music, promo, ads, mention of hockey game to be b'cast later that evening, ID o/WSB. (KDF-IL)
- 760 KMTL AR SHERWOOD - 1/5 1816 fair-good w/end of religious program, s/off w/SSB w/mention of 10000 watts. (DB-VA)...12/9 1751-1800 religious program, music and message. (HH-MD)
- 770 WLWL NC ROCKINGHAM - 12/22 1656-1715 NC Network News, music then apparent s/off, buried u/WABC much of time, little WJMW. (HH-MD)
- WJMW AL ATHENS - 12/23 1658-1723 atop WABC w/CW music, ads, PSA, weather, no sign of WLWL as evening before. (HH-MD)
- 810 WSJC MS MAGEE - 12/29 1853 good/xlnt w/CW music, ID, UPI News, no sign of WGY/KCNO. (EB-MO)
- 860 WDMG GA DOUGLAS - 1/2 1803 finally ID'ed after RKO news, ads. (DB-VA)
- 910 WORD SC SPARTANBURG - 1/3 1803 good w/local news, weather before fading to CKLY. (DB-VA)
- 920 WGHQ NY KINGSTON - 1/4 1634 good o/WPTX w/PSA, local news, news promo. (DB-VA)
- 1040 WJTB OH N RIDGEFIELD - 12/8 1600-1654 B/Sol music, many ID's w/WSKE/WHO. (HH)
- 1060 WNOE LA NEW ORLEANS - 1/3 1750 fair u/KYW w/CW music, job service notes. (HJH)
- 1090 WKTE NC KING - 1/2 1708 poor but o/WBAL w/local news, weather, ads, and many Mt. Airy mentions, CW music. (DB-VA)
- 1110 CBD NB ST JOHN - 12/29 2150-2224 sometimes way atop WBT w/All The Best program, News, Weather, sports, etc. (HH-MD)
- 1140 CBI NS SYDNEY - 12/8 2052-2202 atop WRVA much of time w/blue grass music, CBC radio and ID on hour, strong again on 12/29 also. (HH-MD)
- 1150 WCRK TN MORRISTOWN - 1/3 1735 slow, up/down fades w/many jingle/ID's 'All Hits All The Time', mix of CW/rock, Mutual news :30. (HJH-PA)...1/4 1722 fair o/WMYG w/ads, winter storm watch into music. (DB-VA)
- 1160 WTYN NC TRYON - 12/1 1625-1706 w/others w/rock music, ID, ads, weather. (HH)

- 1170 WBRW NJ SOMERVILLE - 1/2 1545 fair w/WOBM w/rock music, promo for AM News and information hour, ads, ID's, no WVA. (DB-VA)
- WOBM NJ LAKESIDE - 1/2 1600 fair w/WBRW w/rock music, local news, weather, ID as 'Music Radio 11-7'. (DB-VA)
- 1230 WECK NY CHEEKTOWAGA - 1/6 1735 poor o/mess w/MYL, ID before fading. (DB-VA)
- 1260 WGVN MS GREENVILLE - 12/19 1733-1758 fair w/ads, sports, music, lost just before power reduction. (PT-OK)
- CIHI NB FREDRICKTON - 1/5 1735 loud w/rock music, ID, locking channel. (HJH-PA)
- 1270 KIOX TX BAY CITY - 12/19 1818-1827 fair w/ads, ID, CW music. (PT-OK)
- 1280 WJAY SC MULLINS - 1/5 1729 weakish w/s/off w/background music, invite to tune in FM. (HJH-PA)
- 1300 KPWO CA MENDOCINO - 1/8 2002 w/CW music, ID, in nice thru KFYI-1310 splash(DKK)
- WNGM TN NASHVILLE - 1/4 1759 good w/religious program 'Nashville's Quality Ministry' promo for upcoming program. (DB-VA)
- 1330 WWHI IN EVANSVILLE - 12/18 1801-1830 weak in/out w/contemporary Christian music, noted u/usuals KFH/KVVM. (PT-OK)
- 1350 WANC NC ABERDEEN - 1/2 1718 poor w/area weather, ID, ad then faded. (DB-VA)
- KTXJ TX JASPER - 12/28 1804-1815 weak u/KCOR w/weather, sports and Earl Nightengale til s/off w/SSB. (PT-OK)
- 1380 KBOP TX PLEASANTON - 12/19 1840 Spanish ads and music, weak u/KSWO/KBWD/UNID. ID's as 'K-BOP'. (PT-OK)
- WRAQ NC ASHEVILLE - 1/2 1751 fair in WMZQ-1390 splash w/ religious music, ID and more music. (DB-VA)
- 1410 WHLN KY HARLAN - 1/4 1741 good o/KQV w/weather, promo for most accurate info during emergency situations. (DB-VA) I guess when you don't say much you can't be wrong! (DS)
- 1440 WSSL SC GREENVILLE - 1/2 1720 fair w/ID, CW music. (DB-VA)
- WZYX TN COWAN - 1/3 1734 poor w/promo for upcoming concert, news items, ID, weather. (DB-VA)
- KEYS TX CORPUS CHRISTI - 12/25 1904-1913 fair w/local ads, PSA, Talknet. (PT)
- 1460 WBRN MI BIG RAPIDS - 12/27 2343 rock music, ads, no WCMB/local WTR-1470 splash. (JK-MD)
- 1470 WRGA GA ROME - 1/5 1800 way atop usual WSN w/end of Bulldogs basketball then ID into ads. (HJH-PA)
- 1480 KSBQ CA SANTA MARIA - 1/8 2015 briefly atop in Spanish w/ID after KRED cut power. (DKK-CA)
- 1490 KBUR IA BURLINGTON - 12/18 1750 weak w/instr. music, talk on evening program, then Roger Ebert Movie Review. (PT-OK)
- 1550 KKJO MO ST JOSEPH - 12/28 1733-1740 fair w/news, weather, music, soon faded to others on channel. (PT-OK)
- KEWI MO CAPE GIRARDEAU - 12/28 1742 fair briefly w/ads, CW music, using slogan 'Where You've Captured the Country'. (PT-OK)
- KLFJ MO SPRINGFIELD - 12/28 1750 fair w/Christian music, ads, 'New Life Radio' ID's w/others. (PT-OK)
- WORI TN OAK RIDGE - 1/8 1759 fair w/TN Network news, ID into s/off. (DB-VA)
- 1570 WLDM MA WESTFIELD - 1/8 1700-1710 way o/all w/news, into EZL music, must be on new higher PSSA power. (KG-PA)
- 1590 WSMN NH NASHUA - 12/29 1836+ finally positive ID, called station and anc'r was more interested in the weather than being heard in MD! (JK-MD) No wonder radio has gotten like it is! By the way, how is the weather down your way! (DS)
- 1600 WRUP AL HUNTSVILLE - 1/2 1800 good w/B/Sol music, ID by very serious person then into more music. (DB-VA)

## \*MIDNITE - MIDDAY\*

- 550 CKPG BC PRINCE GEORGE - 12/31 0636-0638 good in KOY/KAFY null w/time check, ID rare here. (DKK-CA)
- 620 WNLX AL LEXINGTON - 12/26 0700-0708 s/on w/vocal SSB w/sound effect of rockets into full data s/on, CW music, weather. (KG-PA)
- 640 \*KFI CA LOS ANGELES - 12/31 0628 noted off this AM, nobody in their absence. (DKK-CA) What? No WMOT? (DS)
- 690 WTIK LA NEW ORLEANS - 1/6 0030 fair o/CBP/Cuban w/oldies, jingle/ID, promo for concert into more music. (DB-VA)
- 780 \*KROW NV RENO - 1/3 0311 noted off this AM leaving WBBM nicely. (DKK-CA)
- 930 CKNS ON ESPANOLA - 1/7 0110 super loud w/Top 40 music, ID's only as 'North Shore Radio', probably what call stands for, is this still a relay? (Starr-OH) Was last year....(DS)
- 1000 KKMV CO HAYDEN - 12/29 0809-0820 good w/AdCOW music, ads, o/KTOK. (PT-OK)
- 1010 CFRB ON TORONTO - 1/3 0323 good atop KXEG w/ID, female anc'r into talk show, atop for about an hour. (DKK-CA)



Go radio **WGOH** 1370 AM

1470 AM  
**WCEA**



**WTBP** Radio  
AM 1550

- 6
- 1030 \*KHVY CA FOLSOM - 1/3 0255 u//KTWO w/CW music on ET w/ID 0257, continued for several hours using 1000 watts, reg. asked now set for 1/24. (DKK-CA)
- 1050 WTSJ OH CINCINNATI - 12/28 0600 good o/WHN/CKSB w/s/on, weather, religion. (KDF)  
WADC WV PARKERSBURG - 1/8 0900-0905 way o/all w/RKO and local news, no sign of WHN. (KG-PA)
- 1080 WEEP PA PITTSBURGH - 1/8 0815-820 o/all w/tribute to Elvis' 50th birthday, traffic report, ads, WEEP is still on this frequency! (KG-PA) And I'm sure JM-P'burgh will keep us posted on this change. (DS)
- 1100 \*WWE OH CLEVELAND - 1/7 noted off all AM w/OC/TT, nothing left but usual Spanish's. (Starr-OH)
- 1140 \*WASG AL ATMORE - 12/30 0105-0150+ fair on ET w/gospel music, frequent IDs. (KG)  
1190 KESY CA ANAHEIM - 12/31 0610+ w/rock music, ID, briefly atop w/KEK off. (DKK)  
1230 WKYG WV PARKERSBURG - 1/8 0053 fair w/weather, ID, CW music. (DB-VA)  
1240 WWCN CT WATERBURY - 1/3 0021 fair o/mess w/ads, weather before fading. (DB-VA)  
WBVN NC CHARLOTTE - 12/24 0359-0500 usually atop mess w/Charlotte sponsors/PSA mentions, Christmas music, NBC news on hour then religious program, no ID heard, though. (HH-MD)
- WYGL PA SELINGSGROVE - 12/28 0801-0811 o/all w/CW music, time, weather, many ID's. (KG-PA)
- 1280 WATC MN MINNEAPOLI - 12/31 0035 fair/good w/weather, ID, up-beat jazz show, o/CHAM. (EB-MO)
- 1310 WIBA WI MADISON - 1/4 0059 fair w/Larry King, ads, ID into CBS news on hour, u/WSSJ/WGH. (DB-VA)
- 1340 KROC MN ROCHESTER - 12/24 0107 good w/PSA, weather, ID/jingle, tele-talk. (KDF)  
KLTD MO POPLAR BLUFF - 12/31 0112 fair/poor w/ID, pop music o/mess. (EB-MO)  
1420 KGNB TX NEW BROWNELS - 12/22 0920 very weak u/KLNK/WOC w/'Let's Go Gardening' program w/local host in progress. (PT-OK)
- 1430 CJCL ON TORONTO - 1/7 0130 w/ID and name brand MYL program, thru usually heavy WRRO-1440 splash, any other Cannucks running MYL? (Starr-OH)  
Tune in 540 or 1570 any night.. (DS)  
KSTB TX BRECKENRIDGE - 12/22 0831-0840 weak u/KELI w/Mutual news, ads, Swap Shop/Tradio type program. (PT-OK)
- 1460 KRNK NE KEARNEY - 12/22 0904 good w/local sports scores, ads. (PT-OK)  
1530 KTCR OK WAGANER - 12/12 0812 fair/poor w/ID, local ad o/KPCR/WCKY. (EB-MO)  
1560 WYCD NC DOBSON - 1/8 0735-0740 alone on freq. w/gospel songs and clustered ads w/lengthy pauses between items, no sign of WQXR. (KG-PA)
- 1590 KJET WA SEATTLE - 1/7 0230-0245 w/Dr Demento show then rock music, ID on hour as 'In the new music jungle, it's survival of the fittest, KJET, Seattle's surviving music station', weak but clean copy u/nulled WAKR/UNID OC, last heard in '75 as KUUU, no other NW signals noted this AM on an otherwise auroral morning. (Starr-OH)

\*T I S\*

530 WVAL75 MD BALTIMORE AREA - 1/1 0945-1010 noted on car radio S of Columbia, MD w/highway info on Baltimore Beltway construction, evidently replaces WRM745. (HH-MD)

\*PIRATES\*

1620 WDX NY 1/5 0040 poor but clear w/music, requesting calls. (DB-VA)  
Radio Angeline - 1/1 0220-0235 strong w/rock music, fake ads and s/off w/Send In The Clowns, music box interval signal. (KG-PA)

\*RANDUMBS\*

STARR notes that WEEP is still on 1080 and has not changed to granted 1070 frequency, likely will be a while before/if this ever takes place. ASHTABULA-1600 is still silent and everything is gone (studio, tower, xmtr, etc.) aren't to be found.

\*THE WEAKLY TUNERS\*

EB-MO/Eric Bueneman, Hazelwood, MO/DX2000, Superadio II, Radio West Loop  
PT-OK/Phil Tallman, Ardmore, OK/Superadio II  
KDF-IL/Karl Porth, Chicago, IL/IC R70, HQ160, Loops, LW  
JK-MD/Joe Kureth, Uniontown, MD/SX43, LW  
Starr-OH/Jerry Starr, Hubbard, OH/HQ180, Loop  
HH-MD/Hank Holbrook, Chevy Chase, MD/SP600, Loop  
PRM-NJ/Paul Mount, Teaneck, NJ/TRF  
HJH-PA/Harry Hayes, Wilkes-Barre, PA/HQ180, SM2  
DB-VA/Dave Braun, Falls Church, VA/R2000, LW  
KG-PA/Kermit Geary, Walnutport, PA/HQ180, R389, Loop, LW's  
DKK-CA/Don Kaskey, San Francisco, CA/HQ140X, Loop

And that's it for another wonderful week! 73's - Good DX!

**WBOW**  
**RADIO 1230**  
"The Voice of Terre Haute"

*JJE*

\*STATION ADDRESS INFO\*

- 850 WOGY FL W PALM BEACH - 2406 S Congress Ave., 33406 per verie. (KG-PA)  
WVPR CT RIDGEFIELD - Box 1108, 06877. (RM-CT)
- 880 KIKR TX CONROE - P O Box 2368, 77305. (BP-MO)  
WEBG GA JEFFERSON - P O Box 880, 30549, per verie. (KG-PA)
- 930 KLLS TX SAN ANTONIO - 8401 Data Point, 78229. (BP-MO)  
940 WYLD LA NEW ORLEANS - P O Box 19066, 70119. (BP-MO)  
970 KCPO OK TULSA - 3737 S 37th Ave., 74107. (BP-MO)
- 1040 WJTB OH N RIDGEFIELD - 35590 Center Ridge Rd., 44039. (Starr-OH)  
1050 WJXY SC CONWAY - Box 1207, 29526. (HH-MD)
- 1130 WBTZ PA WAYNESBORO - Box 309, 17268. (HH-MD) Calls now WBOO.  
WSJP KY MURRAY - 1500 Diuguid Rd., 42071. (BP-MO)
- 1140 CBI NS SYDNEY - Box 700, BIP 6H7. (HH-MD)  
WKZF Per Phone call, still using P O Box 757, Fayetteville, TN 37834, the old WIXC address not moved. (BP-MO)
- 1160 WTYN NC TRYON - Box 940, 28782. (HH-MD)  
WAMB TN DONELLSON - Lebanon Rd., Nashville, TN 37210 per verie. (HH-MD)  
1170 WBRW NJ SOMERVILLE - Box 1170, 08876 per verie. (HH-MD)
- 1180 KTUN TX HUMBLE - 121 West 1st Street, Suite D, 77338 per verie. (BP-MO)  
1210 WDGR GA DAHLONEGA - Box 292, 30533 per verie. (HH-MD)  
1220 KZYM MO CAPE GIRARDEAU - Box 1610, 63701 per verie. (BP-MO)  
WAXU TN LEWISBURG - 217 W Commerce St., 37091 per verie. (BP-MO)
- 1260 WNRK DE NEWARK - Box 8152, 19714 per verie. (HH-MD)  
1270 WDLA NY WALTON - 13856 per verie. All that's on letterhead! (HH-MD)
- 1370 WGTG IN BLOOMINGTON - Same as old WTTS address per verie. (BP-MO)  
1380 WMPB TN MILLINGTON - Box 28904, Memphis, TN 38128. (EB-MO)
- 1420 WDBF FL DELRAY BEACH - Box 1420, 33444, per verie. (HH-MO)  
1430 KELI OK TULSA - 9191 E Skelly Dr., 74129 per verie. (BP-MO)  
1470 KSWL IA SIOUX CITY - Box 3088, 51102 per verie. (BP-MO)  
KFOK Same as KRBC, per verie. (BP-MO)
- 1530 WRXV ME AUBURN - 88 Court Street, 04210 per verie. (HH-MD)  
KCTT AR YELLEVILLE - P O Box 100, zip as listed in log per verie. (BP-MO)
- 1550 KLRJ MO SPRINGFIELD - 811 Boonville, 65802 per verie. (BP-MO)  
1550 WSES NC RALIEGH - 647 Maywood Ave., 27603 per verie. (HH-MD)  
1580 WIZY GA COLUMBUS - P O Box 766, 31902 per verie. (HH-MD)  
1590 WCCL MS JACKSON - P O Box 31344, 39206 per verie. (BP-MO)  
1600 KXVI TX PLANO - 1310 Avenue X, 75074 per verie. (BP-MO)

With our thanks to the following:

BP-MO/Bill 'the Address King' Prater, Springfield, MO  
HH-MD/Hank Holbrook, Chevy Chase, MD  
Starr-OH/Jerry Starr, Hubbard, OH  
RM-CT/Ron Musco, Poquonock, CT  
KG-PA/Kermit Geary, Walnutport, PA  
EB-MO/Eric Bueneman, Hazelwood, MO

We'll put another listing together soon, please send your station address information along with your DXDX items!

**RADIO WAVES**

By Gary Lycan  
The Register

So you've bought a personal computer. eh? Thought you knew all the answers but now realize you still have a few questions?

"The Famous Computer Cafe" may be the show for you. Ellen and Michael Walker, and Andy Velcoff co-host the program weekdays, 3:30-4 p.m. on KIEV/870 AM, 7:30-8 p.m. on KFOX/93.5 FM.

The focus is on people who are computer users or who are thinking about it. There are reports on new products, enhancements, even pie-in-the-sky ideas about future possibilities. There's a toll-free Orange County line listeners can call when listening to it on KIEV, where it originates from the Arco Plaza in downtown LA.

"One of the approaches is to look at it as high energy entertainment," said program associate David Langer. "A lot of people call up with scientific needs, so we're

taking the best of it, putting it on cassette, and calling it a audio insider's newsletter," said Langer.

The Walkers have business backgrounds. He's president of Softv, a production company; she was a vice-president in sales marketing with IBM. Velcoff is an attorney with a degree in music composition.

The show began on KIEV about one year ago.

KIIS/1150 AM listeners accustomed to "Sunrise Serenade" will be startled if they set their radio alarms this weekend and wake up to the strains of "You Make Me Feel Like a Virgin."

But that's what the music will be like when the "music of your life" shifts to KMPC/710 AM and KIIS-AM becomes KIIS AM & FM at midnight tonight. We're talking Rick Dees and Top Hits, hits, hits.

Will it bring more listeners to

AM? Only time will tell. National surveys show FM listening out-ranks AM listening 3 to 1. Dees is hot, and he will undoubtedly do very well on AM, too. Big Ron will also be simulcast 2-6 in the afternoons. Other DJ appointments on the AM side are to be announced today. Gary Owens is still at the station, but in a corporate role. Still, it's sad to think there's no longer a Gary Owens show on Los Angeles radio. We hope he will be back faster than you can press a magic krelmin.

**NORTH CALIFORNIA BROADCASTING CO.**

**knbc Radio 1230 5000 WATTS**

P. O. BOX 1072 VIVIAN, LOUISIANA 71282



# INTERNATIONAL DX DIGEST

Chuck Hutton, 437 Hardendorf Ave., Atlanta, GA 30307

Times are GMT

For ELT subtract 5 hours.

Deadline: Monday

First up today is a little note from Bengt Ericsson in Vaxjo, Sweden with this news: The new superpower on 1179 KHz has started its tests. Will commence regular broadcasting on February 1. To protect Romania the antenna system is designed to give maximum radiation east-west direction. Two masts 135 meters high. Location Hallevik, 10 Km southeast of Selvsborg in southeastern Sweden just at seaside.

I'd guess with that power and directional pattern that our friends up in New England will be catching this one before too long. I also plan on hearing it myself sooner or later, hi. Thanks for the advance warning, Bengt.....

Miniscule is the only word to describe the column this week. IDXD tends to be a bit on the feast or famine side, with the feast dependent on some combination of Vernon/Kazaross/Connolly/Hakiel showing up with a big report. I'd much rather see a whole bunch of reporters each with half a dozen or so items apiece and a medium size column week after week.

- 535 GRENADA R. Grenada good w/Christmas mx 2344-2400 12/24. (DeLorenzo) And you were waiting up trying to catch Santa??? Chuck
- 535 GRENADA R. Grenada heard with xint signal 0040-0200 12/30. 0000-0200 on Saturday nights is "On the Chart", a top 20 countdown which seems to feature US and Caribbean hits. S/off at 0200 includes a thank you to the technical staff from the DJ, a thought for the day by the DJ and final anncts about 16 hours of daily programs for Grenada, Carriacou and the rest of the Caribbean. Transmitter is located at Quarantine Station on Long Point in St. Georges. Offices are on Cott Street in St. George's. A short prayer was given, the NA, followed by power cut. No mention of other frequencies or power used on 535. I didn't think the HQ150 would tune down this low. Country # 40 heard. (Renfrew)
- 640 HONDURAS R. Exitos heard with hit music and electronic sound effects u/Cuba 0010-0030 1/1. A new one here. (Renfrew)
- 765 SENEGAL Dakar fair w/man in vernacular and native vocal 2320-2325 12/24. (DeLorenzo)
- 1206 FRANCE Bordeaux fair w/man in FF through WCAU splash 0601-0605 12/31. (DeLorenzo)
- 1557 FRANCE Nice good w/Dixieland jazz and FF ballads 0613-0621 12/31. (DeLorenzo) Undoubtedly the one I've been hearing almost nightly in December from about 0530 to 0630 fadeout. French anncr with much music but no ID's have been noted. (Renfrew)
- 1566 SWITZERLAND Schweizer Radio heard with music and GG anncr 0615-0630 12/31. Not a high quality signal but it came in better than any domestics on 1560 with WQXR off. (Renfrew)
- 1575 SPAIN SER heard in parallel on 1575, 1584 and 1602 0530-0615 12/31. Xmas mx gave way to news at 0530 (brief musical tones between each item), then what I think was a commentary until 0545, then music including Auld Lang Syne until 0600, 6 pips, and then a man and woman with news. Strongest on 1584, weakest on 1602. 1584 seemed to have two stations fading independently with the same program. (Yep-Chuck) In the grand list logging tradition I think I'll claim 1575 as Cordoba as it is the only SER outlet on 1575. (Renfrew) There are probably some who would claim all SER outlets on 1584! Chuck
- 1580 UNID R. Montero or Macayna heard with strong but shallow signal 2330-0000 12/31. Lively programming, not Cuban in style. Has anyone else been hearing this one? (I guess so, doesn't seem likely that you are the only person with a radio that ever heard them, hi-Chuck) Lost when UOA s/on 0000. (Renfrew)

Marc DeLorenzo-Holliston, MA HQ100, phased LM's  
Jim Renfrew-Rochester, NY HQ150, SM

And just to mess up those people who think I never put anything interesting at the bottom of the column, Kevin Morrison of Lynn, MA reports on of the most unexpected QSL's of recent times: a card from R. Bophutatswana verifying their 100 kw on 1098 KHz. Reception was 0/7 of last year at 0058 (their enclosed schedule says they are off the air then Kevin!) on a HQ160 and National T2400 with phased dipoles.

# INTERNATIONAL DX DIGEST

Chuck Hutton, 437 Hardendorf Ave., Atlanta, GA 30307

Times are GMT

For ELT subtract 5 hours.

Deadline: Monday

Blow me down.... A whole big column of TA's with navy & TP or LA if my quick scan is on the money. Ah, to live in the northeast.

Welcome back from your hibernation, Richard Eckman.

- 164 FRANCE Allouis 12/25 0220 woman singing then male anncr, fair. (Vernon)
- 173 USSR Syktyvak 12/25 0456 children's choir // 236, 263. (Vernon)
- 182 USSR Petropavlovsk-Kamchatskiy 12/24 1840 female anncr, 1851 mx to 1850 then male anncr via phone, all local I believe, 1900 pips and program one, 12/26 1858 same sounding female as before. (Vernon)
- 191 USSR Blagoveshchensk 12/23 0945 was // 236, not local as listed in WRTH. (Vernon)
- 227 POLAND Konstabytnow 12/20 0435 male anncr then mx, 12/25 0218 MoR type vocals. Most consistently heard TA LM stn. (Vernon)
- 236 USSR Arkhangelsk 12/26 1803 female w/ballad type mx, mixing with opera type, other stn being Magadan. (Vernon)
- 236 USSR Magadan 12/25 0225 MoR type mx, local like signal, amazingly clear, listened to this on one rx for quite a while. (Vernon)
- 263 USSR Moscow 12/25 0454 good signal with children singing, 12/20 xint 0436 opera type singing. (Vernon)
- 550 VENEZUELA R. Mundial noted with NA at 1000 1/2. I don't know if this was s/on or het. (Renfrew)
- 580 ALASKA PRSA Petersburg 12/14 0640-0700 non-stop EZL mx, ID then Mutual news. Thought this was a C&W stn. (Vernon) The only thing that never changes is change itself-Chuck
- 585t USSR Svobodnyy 12/24 1820 female w/CC talk, fair with CBC-560 splash (these 40 matters are just murder, hi). (Vernon) I have looked inside my heart and there just is no sympathy for you....Chuck
- 630 ALASKA KJNO Juneau 12/23 0941 noted w/"Your Kind of Country, KJNO" ID, switch to csw mx? (Vernon) Naw, I bet a switch to classical..Chuck
- 630 NORWAY Vign 12/25 0218 children singing // 1314. (Vernon)
- 666 USSR Lithuania, Vilnius 12/24 0203 USSR anthem in progress, 0204 news sounder for program one, Poor signal. (Vernon)
- 675 NORWAY Bodo 12/25 2314 male and female anncrs // 630 so still here. (Vernon)
- 684 SPAIN RNE Sevilla 12/25 0209 female singer then male and female anncrs, xint sig. (Vernon) 0151 12/27 xint w/SS pgm throughout evening, 855 and 774 also showed signs of Spanish signals. (Eckman)
- 720 USSR Yuzhno-Sakhalinsk 12/24 1818 piano mx // 738 program two. (Vernon)
- 729 SPAIN RNE Oviedo etc. 0212 male and female anncrs, poor signal, rare here, was // 684, 774 good, 855 xint. (Vernon)
- 738 USSR unid FE 12/24 1029 piano mx then Mavsk IS // 720, tinny audio, phone type linkup, probably remote area. (Vernon)
- 765 SENEGAL Dakar 2337 12/27 strong w/native type mx but severe slop from WABC. (Eckman)
- 774 SPAIN 1/8 2140 woman in SS; loud and o/other stations. (Connolly)
- 793 PORTUGAL 1/8 2146 disco mx. (Connolly)
- 801 USSR Leningrad 12/24 0613 female, 0614 silence, 0615 male anncr then orchestral mx, maybe local 0615+, 12/25 2158 female opra type singer // 999 program one. Good signal sometimes but always get a het. (Vernon)
- 801 UNID 12/24 1746 female with CC talk then male and female, tentatively Taiwan on 1521 later. (Vernon)
- 819 MOROCCO Rabat 1/8 2151 AA chanting by woman. (Connolly)
- 870 COLOMBIA Mar Caribe AM with sports 0350 1/4. Frequent ID's during game, ads. (Renfrew)
- 891 ALGERIA Alger 12/26 0200 just caught news sounder, male then mx 0202, went into AA mx 0203. Xint, no hets either. (Vernon)
- 918 SPAIN EAJ29 Intercontinental Radio, Madrid 12/25 0121 male with tele-talk, assume this, similar mx mixed with tele-talk from SER and COPE stns noted on 1026/1224/1260/1134/1485/1575 etc. (Vernon)
- 945 LATVIAN SSR Riga 12/25 2359 Mavsk IS // 936, 873, the latter a local sounding stn here, this time of year. (Vernon)
- 963 FINLAND Turku 12/23 1854 Scandinavian or Finnish version of "Rudolph the Red-Nosed Reindeer", sounded comical. Signal was topping Caroline plus someone w/classical mx. (Vernon)
- 963 NORTH SEA R. Caroline 12/17, 0200 ID sounded like "Live from the North Sea on 963 and 576?? KHz, this is Radio Caroline International", gave TC for central Europe and Britain and Ireland. Usually says 963 KHz, 319 meters, tape replay sounded like 576 though, is a bit muddier. (Vernon)

- 10  
 Maybe should clean tape off a bit next year it gets above freezing, hi-Chuck
- 990 SPAIN SER Bilbao 12/25 0225 two males w/talk // 1260. (Vernon)
- 999 SPAIN unid 12/24 0255 picked out a "la radio Cadiz" ID, Cadiz listed on 1521, frequency shift? Spain for sure, good signal, also 12/25 0253. (Vernon) Somebody help this guy-Chuck
- 1026 USSR Moghilev 12/24 orchestral mx, Mayak IS, 1729 poor signal. (Vernon)
- 1030 HAITI 4VEH heard with "Amazing Grace" IS way w/WBZ 2330 1/4. (Renfrew)
- 1030 MEXICO R. Centro bird whistle IS heard u/WBZ at 2320 1/4. Seems early. (Renfrew) Now that you mention it, that is early-Chuck
- 1062 PORTUGAL RDP heard u/KYW w/PP talk and mx 0300-0415 1/6. No ID's so no log! (Renfrew) Quit trying to be different-Chuck
- 1071t LATVIAN SSR Riga etc. 12/23 1221 male with RR sounding talk, listed w/Rep. 2. programs so maybe Latvian, usually note classical or semi-classical mx here. (Vernon)
- 1107t USSR Arkhangelsk 12/24 0352 female and male w/RR sounding talk, have not found a net link w/this, s/on must be around 0300. (Vernon)
- 1116 UNID 0413-0416 1/5 good signal w/what appeared to be AA mx over fast SAH. Gone by 0430. (Eckman)
- 1134 USSR unid Europe 12/25 1730 Mayak IS // 1143. (Vernon)
- 1134 YUGOSLAVIA Zagreb 1, Biograd 12/24 0400 3 long pips then male anncr, xint sig, plays a lot of EE mx, noted often here including 0226 and 0308 so maybe 24 hours now. (Vernon)
- 1143 USSR Kuybyshev 12/25 1730 Mayak IS noted u/Kaliningrad (w/listed Polish service). (Vernon)
- 1179t SWEDEN Horby 12/25 2338 male w/Scandinavian type talk, Swedish listed, poor signal. (Vernon)
- 1196 UNID 12/25 1732 very noticeable jammer. (Vernon)
- 1215 ENGLAND 1/6 0521 BBC synchros fair with EE talk o/a raspy low het from something a bit off channel. (Connelly)
- 1269 WEST GERMANY DLF Neumunster 0430-0530 1/5 strong with GG talk, was //1539 at 0525 w/instrumental version of "The Boxer". (Eckman) 12/24 1924 female w/EE service, talk mostly about sites in Köln, xint sig. (Vernon)
- 1278 USSR Gorkiy etc. 12/26 0129 Mayak IS, 0130 female anncr, poor. (Vernon)
- 1287 CZECHOSLOVAKIA Prague 1/5 0404 tentatively the good carrier w/occasional audio in unid lang. (Eckman)
- 1332 ESTONIAN SSR Voru etc. 12/23 1801 classical mx, fair // 1035 poor. (Vernon)
- 1332 UNID 12/25 2206 jammer here, can't figure out why. Noted also 12/24 1741. (Vernon)
- 1350 LATVIAN SSR Cesvaine 12/24 0430 IS and female w/"Runa Riga" ID, think went into Latvian at 0515 following RR mx. Good signal here lately. (Vernon)
- 1386 USSR Kaliningrad 12/24 1924 male with GG talk, xint sig. (Vernon)
- 1386 UNID 0421 1/5 another intriguing channel w/good signal and complex SAH situation. Some garbled talk at 0424. (Eckman)
- 1395 ALBANIA R. Tirana, Durres 12/25 2207 female w/EE service, calling everyone it seemed to 2215, then program about Social Security in Albania. Xint sig. (Vernon) 2101 1/1 fair with female in FF // 7075. Also, IS noted at 2259 12/28 followed by SS pgm. (Eckman) 1/6 0511 fair to good w/propaganda in EE. (Connelly) 0501-0526 1/5 truly xint signal w/man in GG, Internationale at 0526. Also heard at 2219 1/5 w/strong signal in EE program // 7065. (Eckman)
- 1395 UNID 0520 1/5 weak audio in unid lang, probably Albania. (Renfrew) Good old Jim, never claims anything he doesn't know for a fact...Chuck
- 1404 UKRAINE SSR Lvov etc. 12/26 band mx, 0044 IS repeated, 0045 female with talk, probably news, 0051 light orchestral mx, vocals noted over the hour 0100 no pips detected. Poor signal. (Vernon)
- 1413 OMAN BBC Masirah Island 12/24 1934 male EE talk about a ship, wavy signal, no ORN. (Vernon)
- 1413 SPAIN unid 0510 12/28 strong w/mx, SAH's, man in SS. (Eckman) 1/6 0510 o/mess to good peaks with "Hey 19" by Steely Dan then jingles and SS talk. (Connelly)
- 1413 YUGOSLAVIA Pristina 0403-0500 1/5 tentatively the powerful station here w/mx, man in unfamiliar lang, also troubled by SAH. (Eckman) 0431-0610 1/6 Pristina seemed to be the one here w/female in unfamiliar lang at 0430 also w/light mx. Heavy SAH noted on sig by 0545 and at 0607 recheck noted strong signal w/rock mx // 1503, presumably the RCE Spanish network. (Eckman)
- 1413 UNID very powerful het but no audio 1/5 0350. (Renfrew) 1/5 0528 AA mx (Oman or a north African?) (Connelly) 12/25 1858 female anncr, RR sounding talk, 1900 only a single pip then classical guitar mx. (Vernon)
- 1422 ALGERIA Algiers 0512 12/28 presumed with xint signal w/AA chants. The German seemed to be mixing in around 0600. (Eckman) 1/6 0506 dominant w/AA chant o/SAH. (Connelly)
- 1422 LATVIAN SSR Valmiera 12/25 1855 piano mx // 1450 just topping Europawelle Saar. (Vernon)
- 1431 EAST GERMANY BR Dresden etc. 12/24 0634 male with GG talk, quite rare here, poor signal and het. (Vernon)
- 1431 UKRAINE SSR Krivoy Rog 12/25 1759 FS IS, very poor sig here when noted. (Vernon)
- 1440 LUXEMBOURG Mannach 0511-0545 1/5 with male-female dialog in GG, rock mx, dominating channel. Some of the mx appeared to be in GG. Another new stn (last heard on 1439 in 1977). (Eckman) 1/6 0502 good 1th man and woman in GG, overriding domestics. Luxembourg mentioned. An announcement in FF was also made. (Connelly)
- 1440 SAUDI ARABIA Ras-as-Zawr 12/23 1743 female wailing, good sig. (Vernon)
- 1458 ALBANIA/UD Durres powerful at 0400 1/5 but badly mashed up by second stn w/garbled audio. Internationale heard at 0458. (Eckman) 12/22 0446 ogram, apparent AA pgm in sloop. (Connelly) What a strange place to have an AA or hi-Chuck
- 1467 MONACO/UNID TWR Monte Carlo 0408-0520 1/5 w/fantastic signal noted TWR IS at 0440, off at 0515 leaving second stn dominant but couldn't get much audio as signal strengths were falling off on the high end by 0530. (Eckman) 0508-0515 1/2 xint with GG pgm, religious mx, TWR music box IS at 0515 and then carrier cut. (Eckman) 12/22 0444 music box IS in like a local. (Connelly)
- 1476 AUSTRIA Wien 0400-0430 1/5 xint w/man in GG, rock mx over SAH. (Eckman)
- 1481 UNITED ARAB EMIRATES Dubai 12/25 1756 female AA wailing. (Vernon)
- 1485 SPAIN unid 0509 12/28 very good over SAH's // other Spanish SER freqs at 0536. Have never noted these SS commonwaves in better than this evening. (Eckman)
- 1494 UNID 0531 1/2 carrier noted here at fair level. Also heard 0515 12/28 but no audio either time. (Eckman)
- 1503 POLAND Stargard 0358-0510 1/5 noted with R. Polonia Chopin piano IS at 0359 over SAH. Outstanding w/ci mx at 0510. (Eckman) 12/23 1831 male EE talk about economic conference in Warsaw, xint. (Vernon) Noted with R. Polonia IS under Spain 0600 12/28. (Eckman)
- 1503 SPAIN unid 0455 1/2 very powerful w/opera, man in SS. Not // to other SER frequencies. (Eckman) 1/6 0550 SS talk o/a jumble of carriers. (Connelly) 0526-0610 1/6 noted w/fast SAH at 0535. Hard to get any audio at this time-perhaps a Poland/Spain mx. By 0550 Spain dominant w/mx, SS talk. (Eckman)
- 1512 BELGIUM Wolvenstem 12/25 2224 male w/EE talk about paintings, also an extended EE service beginning January 1, then a letter from Germany. Xint sig though did fade at times. (Vernon)
- 1521 SAUDI ARABIA Duba 0409-0428 1/5 amazing strength way over WKBW w/AA chanting, mx. Channel was still active at 0500 but it appeared to be no longer from the Arab. (Eckman)
- 1521t TAIWAN Linkou 12/24 1758 male and female, CC talk, 1800 NHK type pips then trumpets, male with ID (which I can not understand) then female with talk, xint sig, Mayak IS noted w/this 1759 but no China pips. (Vernon)
- 1530 VATICAN 0538 1/2 noted with interval signal clearly audible under partially nulled WCKY during xint high band ex. WIRTH lists FF pgm starting at this time but could not verify language. (Eckman) 12/22 0457 Slavio-sounding talk, R. Vatican ID totally o/WCKY, 1/6 0457 man and woman talking, apparently in FF, u/WCKY, Vatican mentioned. (Connelly) 0519 1/4 Vatican IS being repeated clearly audible under WCKY. After year of frustrating tentatives this one has suddenly become easy. Also noted 0257-0430 1/5 w/outstanding signal way over WCKY at 0420. IS noted at 0259 and 0359. Religious mx/talk in unid lang also heard. (Eckman)
- 1539 SPAIN unid 0502-0615 12/28 extremely powerful w/SS programming // 1584, 1602, 1485 at various times presumably w/SER net pgm. By 0611 DLF finally making an appearance w/GG talk about level w/Spain. (Eckman)
- 1539 WEST GERMANY DLF Mainflingen outstanding w/GG program 0350-0510 1/5. Stronger than 1540 domestics after 0500. (Eckman) 12/22 0459 Mainflingen w/GG talk o/a Spaniard who had SS talk. Fast SAH resulted. (Connelly)
- 1539 UNID powerful het but no audio 0350 1/5. (Renfrew)
- 1548 UKRAINE SSR Vinnitsa 12/25 2250-2257 male w/EE talk about various class pieces, 2257 another male w/mention of freqs on R. Moscow WS, strange IS 2259 then carrier off. Did not seem to return. Misplaced mx sked from Moscow, don't recall seeing this listed as EE service. (Vernon)
- 1548 UNITED KINGDOM unid 0458 1/2 potent w/light mx, British accented man over SAH. (Eckman)
- 1554 GABON Melene 1/2 0416 drum mx unusually strong (better than Cayman-1555). (Connelly)
- 1557 FRANCE Nice 12/29 0523 xint w/man and woman in PP (France Culture ethnic service), 1/4 0525 LOUD: w/announcement "Radio France, service arabe": AA mx and talk followed. (Connelly) 0557-0620 1/6 strong and alone w/TT up to 0600 followed by s/on w/FF mx and talk. Excellent and listenable signal (you love those TT's don't you! Chuck) WIRTH lists 1st s/on

- Sunday morning. (Eckman)
- 1557 MALTA R. Mediterranean 12/25 1802-1825 fair-xint signal, AA service, only minimal FF ORM. 12/25 2236 female with EE mx. 2245 world city weather (Elsa listed in there?? Chuck), 2246 1/2 hr EE Christmas record, good signal, was trying for EE service from R. Vilnius, was quite a shock hearing this so clearly. (Vernon) 1/6 0451 AA mx noted behind stronger France (who had FF talk at the time); SAH evident. (Connelly)
- 1566 TUNISIA Sfax 1/2 at 0500 with AA talk by man. (Connelly) 12/28 2235-0015 and later in the evening; in and out, little to heavy WQXR ORM. A lot of talk and occasional Arab music. Seemed to be all in Arabic. (Holbrook)
- 1566 UNID 12/25 1838 jammer noted. (Vernon) Turn your fish tank off! Chuck
- 1575 PORTUGAL Porto 0450 1/2 presumed with mx, talk in apparent PP (definitely not SS or II) at very gppd level; News w/funny sound effects at 0500. Later mixing with second stn w/resultant slow SAH. Will keep trying for positive ID. (Eckman) 1/2 0400 U and UK hits, then PP talk at good level. 1/6 at 0534 xint w/Elvis oldies and PP talk. (Connelly)
- 1575 UNID SS heard but not // to 1584 0540 1/2. (Renfrew)
- 1584 SPAIN 12/22 0502 very good w/SS talk by man. 12.29 0522 SS talk and mx through choppy SAH. 1/6 0533 superloud w/rock mx, SS talk. (Connelly) unid 0503-0630 12/28 very strong w/SER pgm // to other Spanish frequencies (see 1539 entry). One stn was very dominant over mess of SAHs. Also noted w/extremely powerful signal 12/27, 1/2 around 0530. (Eckman) unid 0440-0530 1/6 initially a mess of SAHs at 0440 but was at local level at 0529 w/rock mx, SS talk. Noted // 1602, 1485 w/SER pgm. (Eckman) SER heard with .... pips at 0530 1/2 followed by news. Good but faded by 0545. (Renfrew)
- 1593 WEST GERMANY Langenberg 12/29 0521 good w/GG pop group vocal. 1/6 0448 very good w/Muzak and light pop mx. (Connelly) 0150-0600 12/27 fair w/GG talk but badly chewed up by second stn SAH. (Eckman) 0308-0530 1/5 w/outstanding signal after 0500 w/GG programming. SAH noted around 0308. Has anyone in North America ID'ed anyone else on this freq recently? (Eckman)
- 1602 SPAIN 1/6 0449 man in SS just o/a graveyard channel type SAH mess. (Connelly) unid 0504-0530 12/28 powerful w/SS pgm // 1584 etc. (Eckman) 12/25 0326 noted also // 1584, 1575 all fair. (Vernon)
- 1611 VATICAN 12/31 0056-0136 and 0556-0636 weak to fair w/ORM from utility stn on about 1610 KHz. ID signals heard at three different times. Foreign languages. Hard to copy. A lot of talk and occasional music. Cathedral bells. OSLabel report. (Holbrook) 0621 12/28 poor w/man in unid lang and apparent Vatican IS at 0628. New for me, but would like to get a more positive ID. (Eckman) 0508-0540 1/5 finally with a more definite ID in form of Vatican IS at 0539. Fair-good signal strength. (Eckman)

Mark Connelly Billerica, MA  
 Richard Eckman Philadelphia, PA  
 Hank Holbrook Chevy Chase, MD  
 Jim Renfrew Rochester, NY  
 Brian Vernon Elsa, Yukon

HQ180A, 4' loop phased against ferrite loop through PDM Phase Output Module  
 HQ180A, SB620, Sanserino loop, 1CF6500W  
 SP600, Colegrove air loop  
 HQ150, SM1  
 FRG7000, R7A, 3 Beverages, whale oil heater, team of huskies, polar bear stew, lovely permafrost landscape, furniture by iceblocks of Elsa, incorporated and Mr. Vernon's wardrobe is a creation of Friendly Freddy's Fur Frolics of Fairbanks. Today's Tomato aspic was created by Aspic of the Arctic and who would ever have guessed that those hamburgers were really made out of chopped, pressed lichen and lichen byproducts. Anybody care for another Lichen McNugget?????????????????

**RADIO ANTILLES**  
 Antilles Radio Corporation Ltd.  
 P.O. Box 351930 • Plymouth/Montserrat W.I.

**DIXIE SCRAPBOOK**

# 'Goat-gland' Brinkley's transplants were not worthy of a noble Roman

By Webb Garrison



Dr. J. Romulus Brinkley

In 1984, the transplant of a baboon's heart into a human baby's chest caused wide public discussion, but early in this century, a North Carolina man with a mail-order medical degree routinely performed animal-human transplants.

Born in or near Beta, N.C., in 1885, John Romulus Brinkley was the son of a Smoky Mountain general practitioner. Before age 6, he knew that his middle name was special. As residents of Rome, Ga., can tell you, Romulus was suckled by a she-wolf and became a founder of Rome, Italy. "Anyone who bears such a name is destined for greatness," his parents told him over and over.

As a 18-year-old rural mail carrier, he spent his spare time dreaming about great things that a 20th-century Romulus could do. Medicine was the coming thing, he decided. Besides, his father — who had died a decade earlier — had been a doctor. So Romulus studied medicine by mail.

By 1911, Romulus became an "undergraduate doctor" by permission of the North Carolina State Board of Medical Examiners. Later, he won a skeeppin from the Eclectic Medical University in Kansas City, Arkansas was one of the few states willing to treat that diploma as good for an M.D. degree.

Once recognized in Arkansas, Dr. Brinkley used reciprocal agreements among states to build a pyramid of licenses: Tennessee recognized Arkansas, Connecticut recognized Tennessee, and Kansas recognized Connecticut.

Late in 1917, he set up shop in Milford, Kan. There was no local hospital and no nearby doctors to ask embarrassing questions.

For years the mail-order M.D. had known that ancients regarded the goat as the most sexually potent of animals. He pondered legends about gods who took on the form of goats to mate with daughters of men.

That led him to what he announced as a medical break-through

without precedent. He transplanted goat glands into a 47-year-old farmer, and "the lucky fellow was father of a sturdy son."

Brinkley had found the medical pot of gold. Seven other males practically stood in line to pay \$200 for goat glands. With borrowed money Brinkley built a 50-bed hospital, then won a Texas license by reciprocity with Arkansas.

Newspapers began running feature stories — nicely vague because the great surgeon refused to reveal his precise technique. Rivals, he explained, would steal his business if they knew the details.

By 1921, a steady stream of males reached Milford for a week at the clinic of the famous surgeon. The price of goat testicles rose steadily, peaked briefly at \$750 a pair — then doubled. Many Mondays mornings found 50 men waiting for their operations.

Publicity brought the American Medical Association into action. "Goat-gland" Brinkley, as he was now widely called, was charged with misrepresentation, "gross im-

morality" and outright fraud. Brinkley didn't respond to charges; he was in the Orient transplanting goat glands into wealthy Chinese and Japanese.

Big as his income was, it was never enough. With more borrowed money, he built radio station KFKB and used it to peddle prescriptions and keep an ever-growing audience aware of the importance of goat glands. Chicago's "Radio Digest" awarded its 1930 gold cup to KFKB as "the world's most popular radio station."

That didn't prevent the Kansas medical board from holding hearings. They centered upon the 47 men who had died following Brinkley's operations.

Romulus lost his license and was down but far from out. With more borrowed money, he built radio station XER just across the Mexican border from Del Rio, Texas. Pressure from the U.S. State Department led Mexico to revoke the license of the station — the world's most powerful. So its owner abandoned it and his \$200,000 home and returned to Arkansas to build a new hospital.

The Smoky Mountain native kept both of his yachts, all four of his planes and a fleet of cars that included a 16-cylinder Cadillac with his name engraved on it in 12 places.

Relentless pressure from the A.M.A. plus growing doubts about his claims that "a man is as old as his glands" led many potential patients to reconsider. Dozens of lawsuits brought a steam of judgments. So the Tarheel who had parlayed a myth into a lake of at least \$10 million filed for bankruptcy.

While waiting for the San Antonio federal court to act, Romulus ran for the U.S. Senate. One of his opponents was a man not nearly so well known as the surgeon — a lanky ex-teacher named Lyndon B. Johnson, who outpolled "the greatest charlatan in the history of medicine."

Webb Garrison is a regular contributor to Dixie Living.

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Location	Dial	Call	Chain
Bangor, Me.	690	WHSE	NBC-ABS
	630	WHEN	CBS
Boston, Mass.	1030	WBZ	*NBC
	1260	WHAZ	*NBC
	1440	WJAZ	NBS
Bridgewater, Conn.	408	WVCC	*NBC-ABS
Full Brw., Mass.	1488	WELR	NBS
Hartford, Conn.	1080	WTR	*NBC-R
	1340	WDRS	CBS
Lynnport, Mass.	680	WLAW	CBS
Manchester, N.H.	1370	WFEA	NBC-ABS
Montreal, Que.	950	CSAC	CBS
	890	CSM	NBC
	940	CSN	NBC
Montreal, N.H.	710	WOM	NBS
New York, N.Y.	640	WJX	*NBC
	770	WJZ	*NBC
	880	WABC	CBS
Portland, Me.	970	WCSH	*NBC
Providence, R.I.	630	WRNO	CBS
	790	WGAN	*NBC-ABS
	910	WJAR	*NBC
Saltwater, N.Y.	710	WOPR	*NBC
Springfield, Mass.	1030	WVLA	*NBC
	1790	WSPR	NBS
Waterbury, Conn.	1390	WBEY	CBS
Worcester, Mass.	580	WTAD	*NBC
	1710	WDRS	CBS

\* Tune in on the East Reporter with the latest United Press News Translators.

Taken from 5350 Dimes, 1991, via Rickard Broadcasters

# 14 DOMESTIC DX ACHIEVEMENTS

Don Erickson, 6059 Essex Street, Riverside, CA 92504-1599

Totals for U.S. and Canadian Stations Only

Next Deadline: 10 days after the date of this issue. This listing in order of TDV.

YR	Name, Location	TDH	SH	PH	TDI	ST	PT	TDV	SV	PV
46	Hank Holbrook, metro Wash DC							2049	50	x 10
70	Robert Kramer, Chicago, IL	3071	50	x 10	2164	49	x 9	2038	49	x 10
30	Frank Wheeler, nw PA	2523	50	x 9	226	34	x 3	1654	50	x 9
31	Peter Clarifus, nr Eliz., NJ	2012	48	10				1449	48	10
69	Karl Jeter, Atlanta, GA	1574	44	x 6				1193	44	x 6
62	Ron Musco, vic Hartford, CT	1206	46	x 9	105	28	3	1083	46	x 9
64	Wayne Heinen, Colorado	1105	49	x 9				998	49	x 9
63	Ray Arruda, nr Boston, MA	1345	47	x 9				900	47	x 9
78	Niel Wolfish, vic Toronto	1013	43	x 10	400	39	6	537	42	x 10
39	Dennis Pimper, ne NE & Brigham	2015	47	7	651	40	5	400	45	6
62	Donald Erickson, s CA	589	42	8				369	36E	7
20	Harold Whittier, vic Boston	2600	42E	10				330	-E	-
67	Jim Renfrew, New Canaan, CT	804	39	x 8				267	36	7
82	Bob Harrison, northeastern NJ	557	34	x 7				239	30	x 6
74	Sharon Skowera, Enfield, CT	959	40	x 8	311	38	x 6	230	40	x 8
31	John Herman, Vinita, OK	657	35	5				183	32	4
77	Bob Mielcarek, Milwaukee, WI	1130	42	x 5				154	39	5
81	Eric Bueneman, Hazelwood, MO	272	34	x 4				154	31	x 4
60	George Greene, Akron, OH	743	45	x 7				119	29	3
76	Patrick O'Connor, NH	166	25Rx	4	2	1	0	116	25Rx	4
71	Rick Krzemien, vic Chicago, IL	119	42	x 7				105	40	x 7
76	Jim Renfrew, Rochester, NY	972	42	x 9	-	28	6	95	32	x 5
70	Stephen Francis, ne TN	2247	46	x 7				43	42	x 0
69	Mike Hogan, vic Chicago, IL	722	45	10	302	-	-	41	24	1
78	Mike Knitter, Cambridge, WI	936	44	6	933	44	6	31	16	0
66	Ken Onyschuk, near Chicago, IL	900	43Ex	5				16	13	0
71	Jim Renfrew, Severna Park, MD	637	-	x -				15	7	1
66	Gary Siegel, Toledo, OH	2421	49	x 10	50	20	6	6	4	1
60	Bill Hardy, coastal WA	846	40	5				5	3	0
69	Nancy Hardy, coastal WA	778	40	5				3	2	0
82	Bob Smolarek, nc NJ	446	36	5	51	13	5	1	1	0
52	Marc DeLorenzo, eastern MA	1097	45	x 9						
78	Jim Renfrew, Raleigh, NC	307	27	2						
82	H. Parkhurst, Nenana, AK		29	8						

YR=Year Started BCB DXing TDH=Total Domestic Heard SH=States Heard PH=Provinces Heard  
 TDT=Total Domestic Taped ST/PT=States/Provinces Taped  
 TDV=Total Domestic Verified SV/PV=States/Provinces Verified  
 x=Washingon, DC E=Estimated I=Incomplete R=Recounted or Recalculated

Anyone who did not submit totals during 1984 or 1985 has been dropped from this list. If you wish to be re-entered, a post card is fine and you need only request that your previous totals be included if they have not changed. See Volume 52, Issue 11, for your last submitted totals if you were dropped this issue.

Is there any interest in a listing by state, by last name, or by Year Started? All of these can be done very easily with the computer; however, it is hardly worthwhile if the membership isn't going to show some interest in the list by submitting current totals.

**1220/WGAR**  
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Confirms Reception Report Dated October 30, 1984

7:29 PM to 7:33 PM Thank you for listening

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# SPORTS NETWORKS

Barry S. Finkel, 10314 S. Oakley Ave., Chicago, IL 60643

Only one network this week. Please send me any NBA and NHL networks that you may have.

Minnesota	North Stars	Probable 1984-1985	Al Shaver, Russ Small
610 KDAL-MN	1230 KYSM-MN <sup>b</sup>	1270 KPRM-MN <sup>ab</sup>	1400 WHLB-MN <sup>b</sup> 97.5 KPRM-MN <sup>ab</sup> 103.5 KYSM-MN <sup>b</sup>
870 KPRM-MN <sup>ab</sup>	1240 WJON-MN	1340 KWLM-MN	1450 WELY-MN 99.3 KSTQ-MN 105.5 KWNG-MN
970 KGHR-MN <sup>c</sup>	1250 KBRF-MN <sup>b</sup>	1340 KROC-MN <sup>b</sup>	1500 KSTP-MN 101.1 KBHP-MN <sup>b</sup> 106.9 KROC-MN <sup>b</sup>
1230 KGHS-MN	1260 KROX-MN	1380 KLIZ-MN	103.3 KBRF-MN <sup>b</sup> 107.1 WHLB-MN <sup>b</sup>

<sup>a</sup> I don't know if KPRM has moved from 1270 to 870 yet.  
<sup>b</sup> The North Stars' list has calls and cities, no frequencies nor AM/FM designations. Thus I do not know if the broadcasts are carried on AM, FM, or both in the 5 listed cities.  
<sup>c</sup> The North Stars' list has old call KQAQ.

## FROM LES CARPENTER VIA JES KWIZ lets listeners say yes/no to every record

By Gary Lyan  
 The Register

### RADIO WAVES

Is it a hit or a miss? Veteran DJ Jay Peter Potter used to ask that question on TV's "Juke Box Jury" in the 1950s and 1960s. The show is long gone, but the idea lives on. Today it's called "yes/no radio."  
 "It's been very successful for us so far," said Dave Armstrong, station manager of KWIZ/1480 AM and 96.7 FM in Santa Ana. KWIZ jumped into the format a few weeks ago with full-page ads. The response has resulted in Armstrong hiring more staffers to handle the calls.  
 "We'll play a song and ask listeners to vote on it more than once during the day so it's exposed to an entire audience. Based on those votes we determine if it will be added to the playlist. Right now everything on our playlist has been voted on by the audience," said Armstrong.

The "yes/no radio" format is an extension of the old "rate-a-record" used by some disc jockeys to test listener reaction to new records. "Yes/no," however, includes current and previous music consistent with the station's popular middle-of-the-road formats.  
 Bill Weaver, owner of KWIZ, first put the format on a new property, KLOK-FM in San Francisco. Its popularity there led Weaver to put "yes/no radio" on other stations in Fresno and San Jose.  
 "We play six to eight songs a day and ask for votes. Feedback has been very positive. The people get so involved they almost become possessive about 'their songs,'" said Armstrong. "A lot of No. 1 songs may not be that popular. Someone will respond to a record by saying it reminded him of a cat caught with its tail in the car door."

To handle the requests, KWIZ has added extra phone lines and personnel. One spin-off advantage affects the sales department. "Yes, it's true, as a result of this format, everything we play has

been researched for its appeal to certain age groups," said Armstrong, and that's a definite "yes" in terms of selling advertising.  
 Changes are taking place fast at KPRZ/1150 AM. Dick Whittinghill was gone within hours of the announcement the nostalgia music station would become KIIS (hot hits) on Jan. 1. Scott O'Neill is among those filling the p.m.-drive slot.

Chuck Cecil's "The Swingin' Years" ends its run on KPRZ Saturday night and returns to KGIL/1280 AM effective Dec. 2. Cecil's syndicated show, now aired on 58 stations, will be on Sundays 3 till 6 p.m., which at least means its possible for Orange County listeners to tune in the San Fernando Valley station. "The Swingin' Years" originated on KFI/640 AM in 1956.

Diane Thompson, afternoon anchor at KJL/930 AM, is now also its news director. . . . Artie ("Laugh-In") Johnson sits in for Michael Jackson next week on KABC/790 AM. . . .  
 The radio voice in the new movie "Night of the Comet" belongs to Steve LaBeau, p.m.-drive personality on KFI/640 AM. He landed the part because writer-director Thom Eberhardt happened to be listening to him while he was doing production work on the movie last spring. . . . Desi Arnaz Jr. discusses his recovery from drug abuse at noon today on KIEV/870 AM. . . . A radio version of the classified personals column is on KIEV at 9:30 p.m. Sundays. Host is Susan Block. . . .

Eric Younker is the new station manager and David Graves is the new vice president/general manager of KFVB/980 AM. Graves, ex-WIND Chicago, replaces Frank Oxarant who has been promoted to vice president, radio sales, Group W Radio.

## Radio news directors fear 'death' by boredom

Special to The Register

The number of radio stations cutting back on local news programming has increased so dramatically that local news may soon become the exception on radio, instead of the rule. That's the fear expressed by a number of radio news directors contacted in the wake of continuing industry reports of layoffs in news departments and cutbacks in air time for local news.

According to the news directors, such cutbacks are taking place at all types of stations, from FM rockers to all-talk AM. "The fact is, radio news in many towns has died of boredom," said James Hood, deputy director of broadcast for the Associated Press radio network.

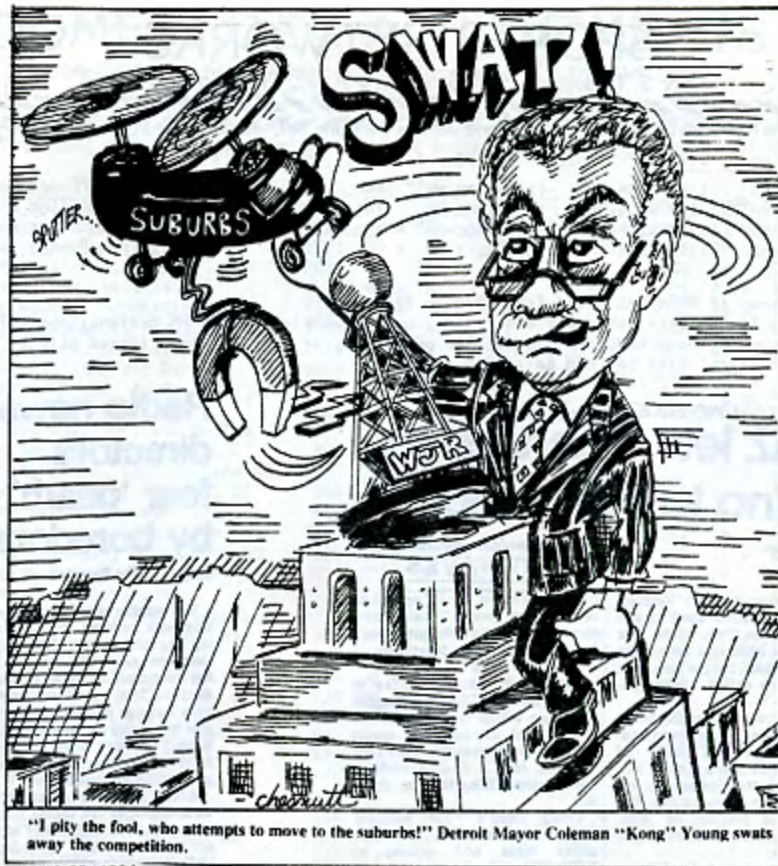
"It has just wasted away, turned from a pale reflection in many cases of what was in the paper that morning, or on TV that night or the night before. Today, a station with a full-time news director and a full-time newscaster is fast becoming a rarity," Hood said.

Hood's remarks, made in a session at the recent Radio-Television News Directors Association meeting in San Antonio, Texas, went uncontested in a room full of radio news directors.

Indeed, news directors contacted afterward offered a number of reasons why they felt local radio news was on the decline, including: The growing costs of running a local news department; increased competition among FM music stations that feel local news costs them listeners' the federal government's recent deregulation of radio; the rise of national and state networks able to replace local news departments.

Currently there are no hard statistics showing precisely how widespread the trend may be. In fact, the Radio-Television News Directors Association hasn't taken a stand on the issue yet, largely because there's no raw data to support the growing number of complaints.





"I pity the fool, who attempts to move to the suburbs!" Detroit Mayor Coleman "Kong" Young swats away the competition.

December 19-22, 1984.

## NEWS CAPSULES

### WJR will stay in city

TROY — The Wilshire Plaza Building, which was to be the new spring-time home of top-rated radio station WJR-AM, will now be without its new tenant.

The five-story complex at I-75 and Big Beaver Road, would have given WJR more operating space on one floor, would have aided the potential use of AM stereo and would have made it more convenient for employees and visitors.

The Federal Communications Commission issued a ruling against the move that would have included sister station WHYY-FM. Station officials said the FCC decision didn't have that strong an impact in the station's reason for staying in Detroit.

The 50,000-watt station has been headquartered in "the golden towers of the Fisher Building" for more than 50 years.

198 Main Street  
Danbury, CT 06810

WJAD RADIO 80  
WJDAQ 698FM

cial, "it's one of the worst power grids in the province."—line voltage here varies from 80 to 130 volts, with even greater sags and surges—that's if the power is on at all! Surge protection and a Kelk steady-volt, and a generator capable of handling the 1 kw tx were installed, eliminating most outages. Power problems are 95% of the outages at our site.

### CIN/CKN-J-FM

#### AM Transmitter Site

Our AM transmitter is located approximately 5 miles north of the city and is a direct line of site for the STL link. (As long as the saw mill next to the towers keep its saw dust pile down.) The site is located on a piece of interval land bordered by the Nashwaakus stream, and during rainy periods and the spring break-up, the only access is by canoe. The site has held other surprises over the years—including a helpful farmer who decided one spring to plow the field he had sold to us. We had understood he was going to pasture the ground; he had other intentions, which led to an expensive and time-consuming repair of the radial system.

The AM station operates DA-N, 10,000 watts day and night. Our transmitters are CCA, with a 10 kw main unit and a 1 kw backup. Other associated gear includes a Nems-Clarke phase monitor, Moseley TRC15AW remote control, Moseley PCL 101 receiver, and audio processing by Mike Durrrough's DAP. We also built a unit which automatically switches audio feeds into the 10 kw tx if either the PCL 101 or Telco lines fail. Also incorporated into this unit is an auto switcher from 10 kw to 1 kw tx in case of RF failure.

One of the biggest headaches at this site is AC power—to quote one N.B. Power co-

THE REPORTER NEWS PAPER (TROY, MICH) VIA AIR

### RT-1 REMOTELY-CONTROLLED ANTENNA TUNER

#### Article 2: Tuner Box Construction

Mark Connelly, WAIION

26 DEC 1984

Article 1 of this series, dated 24 OCT 1984, described design features and operating concepts of the RT-1 remote tuner. Also presented was the schematic diagram of the unit.

This article (RT-1 Article 2) provides information required to build the active remote tuner box assembly of the RT-1 system. Instructions and tables should be sufficiently explicit to those who've done even just a modest amount of "homebrew" DX project construction.

To keep this article brief and unambiguous, I've decided to treat only the construction of the tuner box itself; cable and control box construction will be dealt with in Article 3 (to be released JAN 1985). Articles beyond #3 are anticipated to cover remote tuner applications, possibly including phasing of two remotely-tuned antennae.

I have about 18 MVAM115's available at present; auctions, flea markets, and commercial suppliers are always being checked for more. For those seriously interested in building the RT-1, I will sell MVAM115's at \$ 2.50 each (postpaid US & Canada) until my supply runs out.

#### Construction Outline

1. Read this article and RT-1 Article 1 thoroughly before starting the project. Keep both articles at the work area.
2. Obtain the parts specified in the Level 1 & Level 2 Parts List. Organize them in work area.
3. Ensure that customary electronics tools are available: screwdriver & nutdriver sets, drill & bits (per Hole List), soldering station & solder, accurate ruler, scribe, X-Acto knives, several styles of cutters & pliers, wire strippers, etc. (Other construction projects by me and by others will give the builder a good idea of which tools and shop supplies should always be accessible.)
4. Measure & mark chassis box hole locations; then drill holes (initially with a  $\emptyset.113$ " bit, then with the final size bit if hole is to be larger). Consult Hole List.
5. Mount the following components (using hardware supplied with each component): J1, J2, J3, J4, J5, J6, M1, R1, S1, & S2. Install knob on S1 so that the pointer is at a 10:30 (clock)/NW (compass) position when S1 is set to its most-CCW/"1" position. Install knob on R1 so that the pointer is at an 8 o'clock position when R1 is set fully CCW.
6. Mount G1, G2, and G3 grounding hardware assemblies at the locations given by the Hole List. Each assembly consists of a 4-40 X .25 screw whose head rests against the outer chassis surface, a #4 solder lug on the screw against the inner chassis surface, and a 4-40 nut to hold the solder lug against the chassis.
7. Connect wires and "air-wired" components in accordance with the Wiring / Component Connections table. Use good soldering practice, including cleaning of flux from all joints. Leads of all "air-wired" components should be kept as short as possible without putting stress on the leads.
8. Finished unit may be inspected and tested (see Article 1 for expected performance characteristics).

NOTES: Prices (current DEC 1984) are subject to change.

Level 1 list = electrical & major mechanical components  
 Level 2 list = small hardware (a total estimated price is given instead of item-by-item listings)

Stock #'s for mechanical (hardware) components and for fixed resistors represent packs having more than the needed number of components.

RS = Radio Shack - many locations  
 MOU = Mouser Electronics - 11433 Woodside Ave. - Santee, CA 92071  
 DK = Digi-Key Corp. - P. O. Box 677 - Thief River Falls, MN 56701  
 me = Mark Connelly - 30 William Road - Billerica, MA 01866

\*\*\*\*\*

Level 1  
 -----

Component Designation	Description	Vendor	Stock #	(US \$) Est. Price
C1	15 pF mica capacitor	MOU	586-DM015	0.40
C2	.001 uF disc capacitor	RS	272-126	0.39
C3	.1 uF monolithic cap.	DK	P4525	0.18
C4	.1 uF monolithic cap.	DK	P4525	0.18
C5	.1 uF monolithic cap.	DK	P4525	0.18
C6	.47 uF monolithic cap.	DK	P4533	0.41
D1	MVAM115 varactor diode	me	(LIMITED QUANTITY)	2.50
J1	stereo headphone jack	RS	274-277	1.39
J2	banana jack (red)	RS	274-662	1.39
J3	banana jack (red)	RS	274-662	1.39
J4	banana jack (black)	RS	274-662	1.39
J5	BNC jack	RS	278-105	1.69
J6	BNC jack	RS	278-105	1.69
L1	3300 uH molded inductor	MOU	43LH233	0.75
L2	150 uH molded inductor	MOU	43LS154	0.39
L3	8.2 uH molded inductor	MOU	43LQ826	0.38
L4	390 uH molded inductor	MOU	43LR394	0.46
L5	18 uH molded inductor	MOU	43LS185	0.39
L6	1 uH molded inductor	MOU	43LS106	0.39
M1	FE-A Front End Card	me	FE-A	15.00
R1	500 ohm linear pot w/swt.	MOU	31CT205	0.99
R2	4.7K resistor	RS	271-1330	0.39
R3	15K resistor	RS	271-1337	0.39
R4	68 ohm resistor	RS	271-010	0.19
S1	3-pole, 4-pos. switch	MOU	10WW034	1.00
S2	SPDT on/on toggle switch	RS	275-326	1.99
--	knob for R1	MOU	45KN013	0.42
--	knob for S1	MOU	45KN013	0.42
--	chassis box (5.25"x3"x2.125")	RS	270-238	2.49

\*\*\*\*\*



4625 Hearne Ave., Shreveport, Louisiana 71108

Box 1300 • Yorktown Pike • Mason City, Ia. 50401



NORTH IOWA  
 Someplace Special

(RT-1 Parts List - continued)

Level 2  
 -----

NOTE: Mounting hardware is supplied with the following Level 1 components: J1, J2, J3, J4, J5, J6, M1, R1, S1, & S2.

The builder must provide hardware as follows:

Components (Qty.) where used	Total Qty.	Description	Vendor	Stock #
G1(1),G2(1),G3(1)	3	4-40X.25" screw	MOU	572-01880
G1(1),G2(1),G3(1)	3	#4 solder lug	MOU	565-1416-4
G1(1),G2(1),G3(1)	3	4-40 nut	MOU	572-00484

Estimated total cost of hardware actually used to construct the RT-1 is \$ 1. Approximate total cost of all RT-1 parts is \$40. (THIS DOES NOT INCLUDE CABLES OR CONTROL UNIT.)

\*\*\*\*\*

Hole List for RT-1 Remote Tuner  
 -----

BOX USED = (approx.) 5.25" x 3" x 2.125" aluminium  
 (Radio Shack 270-238, or equivalent)

X = horizontal distance, in inches, from the vertical centreline (VCL) on the side observed. Negative values of X are left of VCL; positive values of X are right of VCL.

Y = vertical distance, in inches, from the bottom horizontal edge of the side observed.

D = hole diameter in inches.

\*\*\*\*\*

LEFT SIDE  
 -----

Hole #	Comp. Desig.	Description	X	Y	D
1	G1	GND hardware (int. lug)	-0.75	1.25	0.113
2	J5	External Coil In, BNC	0.0	1.25	0.375
3	J3	Shortwire In, banana jack	-0.75	0.5	0.3125
4	J4	Earth GND In, banana jack	0.0	0.5	0.3125
5	J2	Longwire In, banana jack	0.75	0.5	0.3125

\*\*\*\*\*

TOP SIDE  
 -----

Hole #	Comp. Desig.	Description	X	Y	D
1	S1	Freq. Range switch, tab	-1.25	2.0	0.14
2	S1	Freq. Range switch, shaft	-1.25	2.5	0.375
3	R1	Attenuator Pot, shaft	-1.25	0.625	0.3125
4	R1	Attenuator Pot, tab	-0.9375	0.625	0.14
5	M1	FE-A card - hardware 2	0.0	2.375	0.113

Hole #	Comp. Desig.	Description	X	Y	D
6	M1	FE-A card - hardware 1	1.0	2.375	0.113
7	M1	FE-A card - hardware 4	0.0	1.375	0.113
8	M1	FE-A card - hardware 3	1.0	1.375	0.113
9	S2	Q switch, shaft	0.0	0.5	0.25
10	S2	Q switch, tab	0.0	0.25	0.113
11	G2	GND hardware (int. lug)	1.5	0.5	0.113

RIGHT SIDE

Hole #	Comp. Desig.	Description	X	Y	D
1	J1	Control/Power In, shaft	0.0	1.25	0.375
2	J1	Control/Power In, tab	0.0	0.96875	0.14
3	J6	RF Out, BNC	0.0	0.5	0.375
4	G3	GND hardware (int. lug)	0.625	0.5	0.113

Wiring / Component Connections for RT-1 Remote Tuner

NOTES: W = insulated wire (approx. #22 AWG)  
 BW = bare (solid) buss wire  
 TPn = twisted-pair of insulated wires  
 (where n = the designation number of that pair)

Use "spaghetti" (plastic insulation) on all component leads longer than 0.5".

INSIDE BOX:

From	To	Description
R1 CCW pin	J2	2" W
R1 arm	S1B arm	1.5" W
R1 CW pin	R1 switch side nr CW pin	1" W
M1 card GND lug	R1 switch side nr CCW pin	1.5" BW
J4	G1 internal lug	1.5" BW
M1 card GND lug	jct. L4/L5/L6	1.5" W
S1A pin 1 (=CCW)	jct. L4/L5/L6	L4
S1A pin 2	jct. L4/L5/L6	L5
S1A pin 3	jct. L4/L5/L6	L6
S1A arm	S1B arm	0.5" BW
J3	jct. L1/L2/L3/C1	C5
S1B pin 1 (=CW)	jct. L1/L2/L3/C1	L1
S1B pin 2	jct. L1/L2/L3/C1	L2
S1B pin 3	jct. L1/L2/L3/C1	L3
S1B pin 4 (=CW)	jct. L1/L2/L3/C1	C1
S1C arm	J5	1" W
M1 pin P1	jct. L1/L2/L3/C1	1.5" W
S2 arm	jct. L1/L2/L3/C1	1.5" W
S2 Low Q position	M1 card GND lug	R3
S2 arm (=or anode)	jct. C2/D1 cathode	D1
M1 card GND lug	jct. C2/D1 cathode	C2
jct. R2/C6	jct. C2/D1 cathode	3" W
M1 pin P3	J1 pin B	2" W
G2 internal lug	J1 pin B	C4
J1 pin A	jct. R2/C6	R2
G3 internal lug	jct. R2/C6	C6
G3 internal lug	J6	R4
M1 pin P5	J6	2" TP1
M1 pin P6	G3 internal lug	2" TP1

# Salter gives up frequency fight

## New radio station to have Sandwich base

By Lyte R. Rolfe  
 The Beacon-News  
 Salter Broadcasting, owners of WKKD-AM, has given up its fight for a 930 AM radio frequency because of a signal overlap with a Chicago station, according to Chuck Filipi, company president.

The company had applied in 1977 for the frequency to replace its present 1580 frequency, he said.

Larry and Pam Nelson, owners of WSPY-FM in Plano, also applied for the frequency to start another station in Sandwich. They filed during a 30-day period set by the Federal Communications Commission to allow others to apply for an available frequency.

Filipi said hearings were under way on the applications but were stopped in late 1984 when WKKD's application was dismissed for technical reasons.

"A former engineer failed to inform us of a possible overlap we might have with WJPC," (850) in Chicago, Filipi said.

WKKD had until Jan. 3 to appeal the dismissal, so it hired an engineering consultant to make a new study.

"We said we would withdraw and not appeal if this study showed there was a problem," Filipi said.

The study showed "there would be interference by our station with theirs at night," he said. The overlap would not have caused a problem in the summer, but would have in the winter, because "frozen ground ... causes a mirror effect which bounces signals, causing them to go further," he said.

The appeal was not filed, "so the frequency goes to Nelson," Filipi said.

Nelson plans to begin broadcast-

ing in June or July on the new frequency. The station will be headquartered in Sandwich.

Collins Miller, WSPY general manager, will be general manager of the new station as well, Nelson said.

No decision has been made on programming but the station would become an all-news one.

They also are considering a mixture of informational items, talk shows, news and a cross between middle-of-the-road and modern country music, Nelson said.

Filipi was seeking the frequency to expand the WKKD broadcasting area. The new frequency would have allowed broadcasting on 500 watts compared to the 250 watts broadcast on the present frequency. The present frequency also is directional, aimed only toward Aurora.

However, WKKD still is planning some changes.

"We're now hoping to get FCC permission to broadcast 24 hours a day on the 1580 frequency," Filipi said. The station now must cease broadcasting shortly after sundown.

"When we started 25 years ago, 1580 was considered a clear channel in Canada and had to be protected from nighttime interference. A treaty was signed recently which allows some stations on 1580 to have night time broadcasting," he said.

"We have a better than 50-50 chance of being chosen as a 24-hour station. We'll know sometime in March," he said.

If chosen, WKKD will expand its news, sports, and public information shows, Filipi said.

VIA Raymond J. NEMEC

BEAGON-NEWS, Thursday, January 10, 1985—Sect. C

NALS TORONTO  
 GLOBE JAN. 2, 1985

## Local news cut back by stations

The number of radio stations cutting back on local news programming in the United States has increased so dramatically that local news may soon become the exception on radio, instead of the rule. That is the fear expressed by a number of radio news directors contacted in the wake of continuing industry reports of layoffs in news departments and cutbacks in air time for local news.

According to the news directors, such cutbacks are taking place at all types of stations, from FM rockers to all-talk AM. "The fact is, radio news in many towns has died of boredom," said James Hood, deputy director of broadcast for the Associated Press radio network. "It has just wasted away, turned from a pale reflection in many cases of what was in the paper that morning, or on TV that night or the night before. Today, a station with a full-time news director and a full-time news person is fast becoming a rarity."

News directors offered a number of reasons why they felt local radio news was on the decline, including the growing costs of running a local news department, increased competition among FM music stations that feel local news costs them listeners, the U.S. Government's recent deregulation of radio, and the rise of national and state networks able to replace local news departments.

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## French-Language Station Closes

MONCTON (CP) — Financial problems have forced French-language radio station CHLR off the air, but officials at the Moncton station hope the closure is only temporary.

The three-year-old AM station, owned by Ali Le-Bouthillier of Tracadie, did not have a listening audience large enough to attract adequate advertising revenue, the station's board of directors said in a news release.

CHLR laid off most of its staff in November and had one reporter and three full-time announcers when it

closed Wednesday.

The station, which played contemporary music, could attract only 11,000 to 18,000 listeners. The news release said an audience of at least 50,000 is needed for the operation to be viable.

The release said Radio Abolteaux Ltée., operator of the station, hopes to apply to the Canadian Radio-television and Telecommunications Commission for permission to change the format. The release did not say what changes were hoped for and officials could not be reached for

comment.  
 The release said the station could be back on the air within three to six months if the CRTC approves format changes.  
 Moncton has two other AM stations, both English-language and receives a French-language FM signal from the CBC.

VIA PEROT WRKO

WRKO  
 TalkRadio 68

RKOV RADIO

CALL	STATE	CLASS	NAME	OPERATIONS
KA1BCP	MA	T	Larry Weil	
N1CQ	MA	E	William Shaheen	
W1EXZ	VT	A	Bob Curtis	80-10 Mobile, 20-6 Base
KA1GI	CT	A	Les Berkman	
WA1GXN	MA	A	Paul Burkhardt	
KA1IGP	CT	N	John Morus	10/15/40/80 CW
WA1TON	MA	E	Mark Connelly	75 AM, SSB
KA1KD	CT	A	Pete Kemp	2m + 10-160;
AM, FM, CW, SSB, RTTY				
KA1KDF	RI	N	Craig Healy	
WA1P01	CT	A	Bruce Kampe	
W1YFK	MA	G	Bill Bailey	40AM, SSB, CW, FAX, RTTY
KH8AC	CT	G	Gary Carl Mitchell	40/80/160 CW
KA1KRR	MA		David Duquette	
KA2ABB	NY	N	Bill Thompson	
N2CJS	NJ	G	Rob Stonier	2FM
W2DPF	NJ	T	James Welch	
W2DYR	NJ	A	Eric Cruser	160-10 AM, SSB
N2EAW	NY	G	Nolan Stephany	
KA2EMZ	NY	T	Bill Bergadano	440MHz FM
K2EUH	NY	E	Bob Foxworth	2 FM + LOW BANDS
WB2GHA	NJ	G	Tom 'Skip' Arey	80-10, 2FM
KR2H	NJ	E	Harry Helms	
WB2HTP	NJ	T	Frank Passage	
WA2QB0	NJ	N	Paul Mount	
WA2WEN	NJ	A	John Bowker	80-10 SSB
WA2SXD	NJ	T	Ted Schober	
WB2ZTR	NY	G	John Lancos	
KC2ZU	NY	A	Ronald De Ment	
WB2VGD	?	G	Bob Galerstein	
WB2SOK	NY	G	Dale Foltman	
KA3BGP	MD	N	Bill Hutchinson	15 + 40, CW + PHONE
K3CHD	PA	G	Donald Myslowski	
K3DE	PA	E	Herb Heller	10
WB3GEJ	MD	G	Bob Binau	
K3LXN	MD	G	Steve Johnson	40-10 CW 20 SSB
K3PRE	PA	T	Ed Kowalski	2 FM; 6 SSB
K3WE1	PA	G	Glenn Jacobs	
WB2BJH	PA	T	Russ Edmunds	2 SSB, FM
W30KP	PA	A	John Shields	80 & 15
WB3LJA	PA	T	Kurt Nelson	6 CW, AM, SSB, FM
WB4AFR	SC	E	Al Earnhardt	160/80/40 CW, SSB
K4AUH	NC	E	Edwin Goad	
W4CNR	SC	A	George Mulfinger	40
KA4DAP	NC	T	Bill Coleman	80/40
W4ELO	GA	A	Chuck Hutton	160-10 CW, SSB
WA4GHK	FL	T	Jim Hagan	2, 220, 432 + 1750 KHz
K4GLU	VA	E	Alan Merriman	20 CW
K4HZF	VA	G	David Kennedy	
W4JBU	GA	?	Ed Durden	
W4JLT	KY	N	Pat Hartlage	
K4KVR	GA	G	David McLean	
KA4SKB	KY	N	Mark Williams	
AK4W	NC	E	Ed Best	
WA2HNO	GA	A	Stewart Romain	
WA3SAD	SC	A	LT. Stephen Martin	
KA5PKW	VA	T	Bill Whitacre	2m
K8GVU	KY	G	Dick Truax	80/40/15 CW, SSB. Can go AM
K8AKK	GA	G	Dave Fischer	
AK5E	TX	E	Tom DeWitt	
W5EPL	TX	A	Bob Hackett	
W5SUV	NM	A	Glenn Thompson	
K85ZQ	OK	A	Bruce Winkelman	40-15 CW, SSB; 2FM
WA1YTK	TX	T	Conrad 'Chick' Durocher	
N5HJY	TX	T	Ben Pollard	

CALL	STATE	CLASS	NAME	OPERATIONS
AH6DD	HI	A	Al Mariani, MD	
W61UW	CA	A	Jim Hill	
WB3ANG	CA	T	Larry Putman	
K7LJ	CA	E	Larry Johnson	
WB7DKS	AZ	A	Cliff Reno	
KA7EJU	WA	N	Bill Hardy	40
W7MR	UT	E	Marvin Zitting	
N8CCC	OH	T	Gordon Anderson	2, 220, 440 FM 7 NOVICE CW
AE8I	OH	E	Ken Noffsinger	
KA8ICC	OH	T	Brad Lovett	
K8NDY	OH	T	George Greene	
K8BRYG	WV	N	Howard Tate	
W8SMN	OH	A	Paul Buehler	
W8GNM	OH	A	Pat Flanagan	160-10+ 2m
W9IRV	IL	A	Alan Mayer	2-80 SSB, FM
KC9IH	IL	A	Keith Kerchner	10-80 CW, eves, wknds. 2FM
KB9IV	WI	A	Bill Marvin	
WA9WME	IN	G	Randy Davis	
N1ACQ	IL	T	Jeff Cohen	
W3CRH	IL	G	Jeff Kadet	10 SSB; 10-40 CW; 10 & 40 SSB
Mobile				
K3PXR	IL	A	Al Resnick	
KA9IHK	IL	T	Rich Krzemien	
KA9SPA	IL	N	John Callarman	
K0HTF	IA	E	DR. Tom Gruis	160 and 6 m.
K0LOK	NE	G	Bob Greenlee	
W0MHR	ND	A	Bob Van Wormer	
K0SBV	KS	A	Carl "Skip" Dabelstein	80-10 CW
KD7CX	SD	A	Kermit Schol	
W0JRP	MO	A	John Tudenham	
W9INP/1KA6	?	T	Charles Taylor	low bands (Okinawa)
VE2AQP	PQ	B	Andy Rugg	3.5 14 21 MHz, CW
VE3LEG	ON	?	Robert Cuthill	
VE3LSK	ON	G	Jeff Falconer	160-10 CW
LA5VAA	Norway		Geir Stokkeland	80-10

Send all additions, corrections, etc. to the editor:  
WB2BJH, RUSS EDMUNDS, 753 VALLEY ROAD, BLUE BELL, PA 19422

Thank you for your report  
of receiving WAMB on  
Nov. 4, 1984 at 1160 KHz  
from 12:35 to 1:10 PM CST

WAMB is the only big band  
radio station in the state's capitol  
area (population over a half-  
million).

WAMB features big band ball-  
room dances monthly, and is  
one of the few stations still with  
a 15-piece staff orchestra.  
We are operating on 1160 KHz  
with 25KW. We will increase  
power on 1160 KHz to 50KW  
next month. Bill Barry, Owner

To: Mr. Karl V. Jeter  
2115 Scarbrough Rd  
Stone Mountain, GA  
30088