

DX News

•Serving DX'ers since 1933•

Volume 66, No. 9 - November 30, 1998 (ISSN 0737-1659)



18..... <i>W1 Syntef</i>	20..... <i>IDXD</i>
19..... <i>IDXD</i>	22..... <i>Pro Sports Nets</i>
19..... <i>NRC Advances</i>	23..... <i>Tex Met Opera Net</i>

KEYZ	ND	660	Nov. 30	0105-0600
KQTY	TX	1490	Nov. 30	0159-0559
WJAS	PA	1320	Dec. 14	0105-0115
WPTT	PA	1360	Dec. 14	0115-0125
WEGB	ME	1390	Dec. 14	0200
WFIW	IL	1390	Dec. 14	0200-0600
KTGG	MI	1540	Dec. 20	0030-0130
WGAI	NC	560	Jan. 4	0000-0030
KXTA+	CA	1150+	Jan. 4	0400-0800
WJVA	IN	1620	Jan. 4	0600-0700

From the publisher ... Plenty of DDXD this week ... Dave Yocis is on the downhill slide with his illness ... and as I asked last week, where are all the Musings from the Members?

I'm still getting DXN's back from members who have not provided correct addresses; just because you've used it for 20 years doesn't mean it's "correct". If you're living in the U. S. and receiving DXN with a stamp on it, please obtain the correct address from your postmaster and forward it to me ASAP ... while you are still receiving it.

More x-band newbies ... check out 1630 and 1650 this week, as Iowa takes the lead with three x-banders. The 1620 in CA seems to be a couple of months away from going on the air. And what happened to the 1700 we all heard testing from TX?

Thanks to Rick Dau and ex-NRC'er (maybe not for long?) Todd Brandenburg for a fun little GTG; and I'm sure all had a good time at the Arrudas, too.

Publications ... CRB Research's book and equipment catalog is out; for your copy, contact them at phone 516-543-9169; FAX, 516-543-7486; e-mail, <<sales@crbbooks.com>>; mail, CRB - PO Box 56 - Commack, NY 11726. Did I leave anything out?

Welcome to these new members ... Warren C. Fritzius, Monroeville, PA; Richard Merkel, Union, NJ; Paul Soyka, Jr. KS2S, Perth Amboy, NJ; Allen R. Loudell, Bear, DE (rejoins); Clyde H. Schwanke, Lecompton, KS; John C. Lewis, Brooklyn Park, MN; Drew A. Techner, Philadelphia, PA (rejoins), and Dave Larrabee, Columbia, MD. Remember, many new NRC members join because they "stumbled" onto information about the NRC somewhere; why not make it easier and friendlier for them by asking them? I'm always happy to send you a packet of DXN's that you can distrib-

ute to your local stations or for when you happen to drop by stations on your way somewhere, or for your local club's next gathering.

Are you expiring?

We hope not! To avoid expiration, mail your remittance to the *DX News* Membership Center early. Allow at least three weeks after mailing your check or money order for new renewal data to appear on your mailing label.

Iss.	Deadline	Pub. Date	Iss.	Deadline	Pub. Date
10.	Nov. 27	Dec. 7	21.	Feb. 26	Mar. 8
11.	Dec. 4	Dec. 14	22.	Mar. 5	Mar. 15
12.	Dec. 11	Dec. 21	23.	Mar. 12	Mar. 22
13.	Jan. 1	Jan. 11	24.	Mar. 26	Apr. 5
14.	Jan. 8	Jan. 18	25.	Apr. 9	Apr. 19
15.	Jan. 15	Jan. 25	26.	May 7	May 17
16.	Jan. 22	Feb. 1	27.	June 4	June 14
17.	Jan. 29	Feb. 8	28.	July 9	July 19
18.	Feb. 5	Feb. 15	29.	Aug. 6	Aug. 16
19.	Feb. 12	Feb. 22	30.	Sept. 10	Sept. 20
20.	Feb. 19	Mar. 1			

DX Time Machine

From the pages of DX News:
50 years ago ... from the November 27, 1948 DXN:
 DX programs were scheduled for Nov. 30 from CEAR-590 and CHAT-1270. Hank Holbrook Bethesda, MD, reported XECL-990 in the clear from 2:01 to 2:04 am signoff.

25 years ago ... from the December 10, 1973 DXN:
 The NJPC reported a gain of over 20 members in a little over two months ... all members receiving DXN by Third-Class mail were to be upgraded to First Class ... Wayne Heinen, Orchard Park, NY reported driving his Toyota home from the convention "with the doors off - I guess people thought it was weird" ... Greg Hardison and H. John Clements were in the process of forming the Long Wave Club of America.

10 years ago ... from the November 28, 1988 DXN:
 Greg Hardison scheduled the annual "ABC Talkradio Ray Briem DX Special" for Saturday, January 7, 1989.

AM Switch

Jerry Starr w8jv@yahoo.com
c/o WHOT Radio
4040 Simon Road
Youngstown, OH 44512-1320

Status changes in AM stations, supplied by the FCC and listeners

CALL LETTER CHANGES

	<i>Old call</i>		<i>New call</i>	
620	WSUN	FL	St. Petersburg	WSAA
740	WBAW	SC	Barnwell	WMXG
1320	WLQY	FL	Hollywood	WZMZ

APPLICATIONS/GRANTS FOR NEW STATIONS

None

APPLICATIONS FROM EXISTING FACILITIES

None

GRANTS TO EXISTING FACILITIES

710	KUET	AZ	Black Canyon City: relocate transmitter (for 50000/4100 U4 C)
960	WKVN	PR	Quebradillas: 1000/1700 U3 (replace expired CP)
990	KRKS	CO	Denver: 4200/390 U2
1060	WMCL	IL	McLeansboro: 2500/2 U3
1060	WJLT	MA	Natick: 40000 (22000 CH) D6
1450	KTSP	UT	Saint George: relocate transmitter
1510	WLKM	MI	Three Rivers: 440 D1, relocate transmitter

OTHERNESS

1050	WJCM	FL	Sebring: is ON THE AIR on this frequency with 1000/11 U1 (ex-960 kHz)
1280	WLMJ	OH	Jackson: license CANCELED, call DELETED
1390	WAVP	FL	Avon Park: silent station is ON THE AIR
1500	WOLY	MI	Battle Creek: license CANCELED, call DELETED
1520	WJMP	OH	Kent: station is SILENT

THANKS: Ed Krejny, Bill Hale, Shawn Axelrod and MSJ, and special thanks to Paul Smith who has been checking Florida stations for us by flying his Cessna 182 to the various locations and checking the station status with the aircraft ADF.

73 and Good DX, Jerry Starr & Buffalo K. Foonman



Domestic DX Digest

West: Bill Hale phantom2@eaze.net

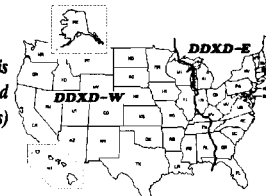
6124 Roaring Springs Drive - North Richland Hills, TX 76180-5552

East: David Yocis DavidYocis@aol.com

532 LaGuardia PL, #462 - New York, NY 10012-1428

DX Catches in the U. S. and Canada, with 24-hr. ELT

(Division line is between East and Central time zones)



DDXD-West

Medium Wave rAMblings

- KKWY-1630 kHz, Cheyenne has been reported to be on the air with NOS format and CNN News. One more X-bander to log. A great turnout this issue!! Let's keep those ears to the grindstone... I mean speakers.
- Comments from the West: "16 new ones and 10 call changes and 2 Closest Unheards logged since Sept 1. This could turn out to be a banner season. Have already achieved my 2 main goals - reaching 1400 stations and 150 XE stations. I'm happy..." JW-CO: "Today's (11/17/98) Sacramento Bee's Broadcasting Column by Dan Vierria has an item about KSMH, quoted verbatim: Catholic radio station KSMH (1620AM) is expected to be operating by Jan. 1, according to General Manager Dave Vacheresse. The non-profit station had set Nov. 1 as its launch date, but meeting FCC requirements has taken longer than expected, he said. KSMH will be heard on the new expanded band." - (RT-CA)
- Mike Sanburn tips us to the fact that KKHJ-930 is rumored to be dropping SS for oldies around the first of the year. And I heard Imus in the Morning say he was switching to KRLA-1110, so expect a format change for those guys, too.
- Deadlines are Thursday's (E- and snail) mail.

REPORTERS

FA-ID	Frank Aden, N7SOK	Boise	FRG-7 with 4 ft box loop <n7sok@juno.com>
RD-IA	Rick Dau	Iowa City	Sony ICF-2010 + Quantum Loop <iowarocker@hotmail.com>
BF-IL	Barry Finkel	Chicago	Yaesu FRG-7700 with McKay-Dymek DA-5 antenna <bsfinkel@anl.gov>
GJ-CA	Gary Jackson	Sacramento	
AK-WA	Andy Kahn	Camas	SuperRadio III/Selec-Tenna <andyw@kpdq.com>
BK-CA	Bob Karchevski	Sunnyvale	R8-A/2 long wires/MFJ-1026mw <karchev@nortelnetworks.com>
CR-CO	Craig Rathbone	Denver	Sony 2010 & KIWA loop <dxe@aol.com>
JJR-WI	John J Rieger	South Milwaukee	FRG100, Kiwa loop, MFJ959B Tuner/preamp, DSP-599zx Audio Noise Reduction Filter <johnjrieger@webtv.net>
DS-AR	Doug Smith	Clarksville	ICF-2010 barefoot <w9wi@bellsouth.net>
DS-NM	Doug Smith	Hobbs	ICF-2010 barefoot
DS-NM	Doug Smith	Albuquerque	ICF-2010 barefoot
DS-TX	Doug Smith	Plainview	ICF-2010 barefoot
MS-CA	Mike Sanburn	Bellflower	GE Superadio II; Sony M40W
RS-MO	Randy Stewart	Springfield	Yaesu FRG-100B, Sanserino 15" box loop <jrs55t@mail.smsu.edu>
JT-MO	John Tudenham	Joplin	Super Radio 2 and 3; DX400 <w0jrp@juno.com>
RT-CA	Rich Toebe	Concord	<richtoebe@jps.net>
JW-CO	John Wilkins	Wheat Ridge	Drake R-8, 4-foot box loop <peakbagger3@juno.com>
JW-CO1	John Wilkins	DX site	about 20 miles NE of Denver, and 3 miles north of Denver International Airport Drake R8, 1600-foot NW-SE wire
Ed.-TX	Editor	North Richland Hills	



SPECIAL

550	KCRS	TX	Midland - Is Ap All News Radio, Sports Fan from 2000+ ELT. (DS-TX)
730	KDAZ	NM	Albuquerque - 11/11 2130 - Relays KCHF-TV channel 11, a Santa Fe religious station. (DS-NM1)

NRC's antenna manuals ...

Now completely revised and up-to-date!

Antenna Reference Manuals, Vol. 1 and 2, \$6.95 each (\$9.95 to non-members)

Loop Antenna Design & Theory, \$8.50 (\$12.95 to non-members)

Order from NRC Publications - P. O. Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.

The NRC AM Radio Log, 19th Edition, is compiled from both members' reports and from official sources so that it is the most accurate listing of U. S. and Canadian AM stations available - and it includes Expanded Band stations. Cross-referenced, 3-hole punched for standard binders. Still only \$16.95 to U. S. and Canadian members; \$22.95 to U. S. and Canadian non-NRC members. Airmail to members: to Latin America, \$23.50; Europe, \$24.00; rest of the world: \$28.00. Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax).



- 1190 KVCU CO Boulder - 11/7 1714 - Back on the air as of about 11/1 with a variety of ROK music, unprofessional student announcers. Ex: KBCO. (JW-CO)
- 1290 KKDD CA San Bernardino - 11/8 0345 - Now Radio Disney, ex: KMRZ/KMEN. Disney IDs/promos/jingles. Music by Heart and Winnie the Pooh theme. (MS-CA)
- 1490 KRSN NM Los Alamos - 11/16 0159 - SSB, then sign-off announcement by male announcer: . . . KRSN now signs off our broadcast day. We return at 6 AM with the best in news, sports, and information . . . Also mentioned frequency and 1000 watts. Had been reported silent and taken off the air by owner. (JW-CO)
- 1620 KYIZ WA Renton - 11/11 1900 - Noted on car radio while driving home from work (still daylight here). Strong, with music and ID at :00. (GJ-CA)
- 2440 KARV AR Russellville - 11/14 0900 - Quite good on 2nd harmonic. Probably audible well beyond northwest Arkansas. (DS-AR)

UNIDs and UNID HELP

- 800 UNID ?? - 11/14 0106 - Fair, under KXIC's open carrier with REL talk. Sounded like syndicated program rather than something local. KXIC popped back on with Art Bell at 0108. (RD-IA)
- 880 UNID ?? - 11/13 0828 - SS-language station, with Radio Unica network. Only one listed is KWIP-OR, which would fit loop direction (KRVN nulled). (JW-CO)
- 1290 UNID ?? - 11/11 1823 - Good, with satellite C&W music and promo: *Start your day with Carl McRae on Radio 13.* Methinks it wasn't Wichita Falls. Any ideas? (RD-IA)
- 1400 UNID ?? - 11/8 2208 - Detroit vs Anaheim NHL play-by-play. Presume something in the Mighty Duck network. Loops E-W. (JW-CO) [Where's that darn Sports Networks list??? hi - Ed.]
- 1450 UNID ?? - 11/12 0528 - SS-language station with Radio Tricolor slogan. Nothing listed. (JW-CO)

DX AND EQUIPMENT TESTS

- 730 KLOE+ KS Goodland - 11/16 0403-0515 - Heard with lotsa polka music, voice IDs and code IDs. (RD-IA)
- 730 KLOE+ KS Goodland - 11/16 0520 - Heard three code IDs under KBSU. First test heard here this season. (FA-ID)
- 730 KLOE- KS Goodland - 11/16 0450-0542 - With KCBS-740 slop minimized, I generally heard an SS station (XEX ?) over/under steady state QRM (like bacon frying). At 0524 & 0537 I heard faint Morse code that was unreadable. Could have been anyone. (BK-CA)
- 730 KLOE- KS Goodland - 11/16 0630-0645 - Not heard. There was sound, but I could not make out anything. I could not null local WGN on adjacent 720 enough to decipher anything. (BF-IL)
- 1140 KHTK- CA Sacramento - 11/9 0200-0215 - Not heard. I could not decipher anything behind WRVA (Richmond, VA). (BF-IL)
- 1230 WODI- VA Brookneal - 11/16 checked from 0200-0230 - Nothing heard, in mess that sounded like a test. (FA-ID)
- 1400 KLCK- WA Goldendale - 11/9 0300-0400 - Tried for . . . not heard. (MS-CA)

TIS & OTHER STUFF

- 1610 KNIG427 CA Placerville - 11/10 0600 - Suspect this, with strong carrier on all day with no audio. Called them, and they said they had been having problems, but didn't know about "no audio. But would correct it". 2100 still no audio. (GJ-CA)

MIDNIGHT TO 0800 HOURS ELT

- 830 KPLS CA Orange - 11/17 0058 - Catholic Format . . . all music: Monks chanting and every 15 minutes: *Thanks for listening to Catholic Family Radio.* Poor signal. ID at top of hour: *Thanks for listening to Catholic Family Radio,* then different voice: KPLS, Orange. I'm wondering if they're now using 20,000 watts at night? (AK-WA) [If so, their pattern is askew. The pattern is directed at 240 degrees - Ed.]
- 920 KENT TX Odessa - 11/16 0100 - Fair, with station phone number and address. Also mentions of an FM station. Into national news. (CR-CO)
- 940 KXTK IA Des Moines - 11/19 0308 - Very strong signal. Had NewsCall from ABC news.



- 960 KGKL TX San Angelo - 11/14 0300 - Good, with a lot of fading. Classic C&W. Into ABC News and then the local forecast. Not many breaks during the hour, mostly just music. Uses the slogan Classic Country. My UNID from last week. New. (CR-CO)
- 1020 CKVH AB Grand Prairie - 10/19 0151 - Country music . . . weak signal under KCKN-NM. *Today's Hot New Country and Yesterday's Favorites*, 1020, CKVH. 400 watts ND. Not bad. (AK-WA)
- 1030 KKOW MO Blue Springs - 11/18 0300 - ID as KKOW Blue Springs/ Kansas City. C&W music into national news. Over KTWO at times, very strong. (CR-CO)
- 1190 KLUV TX Dallas - 11/1 0730 - Station's GM with announcement, address, website, call IDs. Poor in QRM. Ex:KOOO. (JW-CO) [Yeah. They're looking for comments on the new format - Ed.]
- 1200 KYOO MO Bolivar - 12/14 0640 - Ad promoting buying time on KYOO; WOAI nulled. (DS-AR)
- 1400 KBZZ CO La Junta - 11/17 0359 - Barely thru QRM with legal ID. This was my 2nd Closest Unheard Station! Colorado #96. (JW-CO)
- 1400 KWUF CO Pagosa Springs - 11/17 0359 - Legal ID, barely readable under KBZZ et al. Last heard as KPAG a few years ago. (JW-CO)
- 1400 KTMC OK McAlester - 11/17 0433 - Snuck thru QRM with . . . *here on AM 1400 KTMC* and into NOS music. Shows up a few times each year. (JW-CO)
- 1400 KSRR UT Provo - 11/4 0435 - Good, with message from Ad Council, jingle: KSRR, K-Star. Song: *Tracks of my Tears*. KFSS QRM. (MS-CA)
- 1450 KOBE NM Las Cruces - 11/17 0259 - Legal ID in muck. Haven't heard this one for a few years. (JW-CO)
- 1460 KKTK TX Waco - 11/16 0141 - 1-on-1 Sports talk. Many local ads for Waco. Good signal. (CR-CO)
- 1470 KKTY WY Douglas - 11/15 0228 - Classic 1470 ID with oldies music. Weather for central Wyoming. (CR-CO)
- 1480 KQAM KS Wichita - 11/17 0200 - *This is Sports radio 1480 KQAM Wichita*, then back to One-on-One Sports. Fair, over/under QRM (mostly KDXX). (JW-CO)
- 1490 KPKE CO Gunnison - 11/17 0459 - Legal ID, then into AC music. Seemed syndicated, with local inserts. Slogan is The Peak. Generally fair. New, for Colorado #97, and was my Closest Unheard Station!! This had eluded me for 17 years!! (JW-CO)
- 1490 KCID ID Caldwell - 11/10 0522 - C&W music, Dodge Truck ad, ID: *This is the place for . . . country music . . . the great songs of today and yesterday on 1490 KCID*. Fair, with QRM/QSB. Haven't logged this for a couple of years. (JW-CO)
- 1490 KYFO UT Ogden - 11/10 0446 - SS religion, legal ID at 0500 in SS. Up and down in jumble. Ex-KJQN. (JW-CO)
- 1560 KKAA SD Aberdeen - 11/18 0310 - PSAs from FEMA about surviving a blizzard in your car and what to take with you. Talk about upcoming storm. Fair signal. (CR-CO)
- 1570 KHPN CO Loveland - 10/28 0537 - Per recent tips in DX News, I tuned in and there they were with ID: KHPN 1570 and song Country Roads by the late John Denver. New. (MS-CA) [See, it pays to read DX News - Ed.]
- 1570 WKBH WI Holmen - 11/15 0606 - Fair, with ID as Sports Radio 1570, WKBH. Completes Wisconsin on 1570 for me. (RD-IA) [Your certificate will be awarded by Governor Thompson himself. Watch your mailbox for details, hi - Ed.]
- 1590 KDAV TX Lubbock - 11/16 0005 - Oldies songs thru 0015 with no breaks, other than an occasional call ID. Good on peaks, over/under KVGB. Last heard as KLLL. (JW-CO1)
- 1620 WHLY IN South Bend - 11/19 0028 - Nostalgia music, station ID. Fair, in WPHG null, splash from 1630 KXJJ. KXJJ must still be on 10000 watts much stronger than any X band station. (JT-MO)
- 1660 KXOL UT Brigham City - 11/8 0000 - ID as KXOL Brigham City-Logan-Ogden-Layton-Salt Lake City [They have to pay the guy overtime just to do the IDs, hi - Ed.]. Oldies music and jingles that sounded like P.A.M.S. re-records. (MS-CA)
- 1680 WJNZp MI Ada - 11/2 0657 - Heard daily at this time with Black syndicated program,



replete with honky jokes. Local political ads noted around top-of-hour, but never anything resembling an ID. Generally fair signal. (JW-CO)

0800 TO 1600 HOURS ELT

- 1240 KDEC IA Decorah - 11/9 1051 - Weak, in null of KBIZ and WSDR with NOS music off the bird // WKBF-1270 and KRNT-1350. Promo at 1055 for that evening's coverage of Decorah vs Grinnell State High State football playoff game on KDEC. (RD-IA)
- 1290 KKDD CA San Bernardino - 11/8 0345 - Now Radio Disney, ex: KMRZ/KMEN. Disney IDs/promos/jingles. Music by Heart and Winnie the Pooh theme. (MS-CA)
- 1340 KVOY CA Mojave - 11/8 1500 - Coming out of spot for Lucky and Save-On. ID: KVOY is KAVC Mojave, KAVC jingle, REL program from Community Church in Palmdale. Call change is imminent. (MS-CA)

1600 TO 2400 HOURS ELT

- 550 KTSA TX San Antonio - 11/15 2106 - Weather, with announcer "Amber". Call ID. Fair. (JW-CO1)
- 570 KLIF TX Dallas - 11/15 2105 - 570 Cliff slogan, then short program Prescription for Health. Very good signal. (JW-CO1)
- 730 KKDA TX Grand Prairie - 11/15 2208 - Soul 73 KKDA, Wilson Pickett tune. Fair-to-good with fading & QRM from XEPQ/XEX. (JW-CO1)
- 890 KVOZ TX Laredo - 11/15 1900 - Cadena Radio Vision Cristiana quasi-ID. Strong & dominant on SE Beveridge. (JW-CO1) [These guys come in here better than WLS - Ed.]
- 910 KVIS OK Miami - 11/10 2153 - With call ID. (DS-NM)
- 970 WTBF AL Troy - 11/13 2125 - Fair-to-poor, during halftime of high school football game in Brantley, AL. Call letter mention, and score of game taking place in Elba. New log for me. (RS-MO)
- 970 KCFO OK Tulsa - 11/15 1922 - Good signal, with C&W music. Slogans are Christian Country 970 and KCFO Positive Christian Country. (CR-CO)
- 980 KFVB CA Los Angeles - 11/11 2128 - With calls. (DS-NM1)
- 980 KMBZ MO Kansas City - 11/10 1840 - With local ads. (DS-NM)
- 980 KMBZ MO Kansas City - 11/12 2107 - With calls. (DS-TX)
- 980 WBZK SC York - 11/10 1919 - Poor-to-fair, with satellite oldies and 980 AM WBZK slogan. No WONE/WCUB. 167w! (thanks to local DXer Jim Albrecht for tip!) (JJR-WI)
- 1000 KXRB SD Sioux Falls - 11/18 1949 - Strong signal, right before sign off. Many local ads and ads for local casinos. (CR-CO)
- 1010 KIQNp UT Tooele - 10/31 1937 - SLC area ads, news and features, KIQ AM 1010 slogans. Good signal until 1945 power cut. Last heard as KTUR. (JW-CO)
- 1020 KTNQ CA Los Angeles - 11/11 1920 - Very strong, sounded like a local station. Spanish talk with slogans as Numero Uno en Los Angeles and Radio Los Angeles. (CR-CO)
- 1210 KGYN OK Guyton - 11/12 2109 - Country music. Good here. Not heard elsewhere. (DS-TX)
- 1210 KLDI WY Laramie - 11/10 2200 - With local basketball. (DS-NM)
- 1220 KMVL TX Madisonville - 11/15 2125 - Fair on peaks with local KBNO nulled. NOS music, call IDs and Star 1220 slogans. 11 watts! (supposedly). (JW-CO1)
- 1230 WLLRt IL Moline - 11/7 2235 - Sounded like WLLI; last letter not clear. Tape recorder not going, but was probably WLLR with C&W format. Loop E-W. Poor in QRM. (JW-CO)
- 1230 KQIK OR Lakeview - 11/15 1930 - Heard several Q-93 (93.5) promos, no actual ID. Caught them giving out phone number, so was able to determine it was KQIK. (FA-ID)
- 1240 KJAA AZ Globe - 11/10 2139 - Faded up at end of song. ID as 1240 K-J Country intc spot by female. Back down into mess. (MS-CA)
- 1240 WSFC KY Somerset - 11/10 2158 - Fair, with two mentions of Somerset, one during promo for "When Radio Was", other during legal ID. (RD-IA)
- 1250 KALO TX Port Arthur - 11/7 2245 - UC & blues music (nice B.B. King set), Kay-low 1250



- slogans. Fair signal, with not much QRM. (JW-CO)
- 1290 WDLF FL Panama City Beach - 11/11 1859 - Good with ID: . . . Radio (Boss?), WDLF, Panama City Beach. (RD-IA)
- 1290 KWLS KS Pratt - 11/11 2335 - With call ID. (DS-NM1)
- 1330 KLBS CA Los Banos - 11/15 2254 - Portuguese-lang religious program. Two local spots at 2259, then legal ID in EE: You're listening to KLBS 1330 AM Stereo Los Banos - Livingston - Modesto, then into more PP religion. Very strong signal on peaks, but Craig Barnes, who was 10 feet away with an identical parallel wire (but different receiver) had not a trace of KLBS! Bizarre. My wire was the westernmost of the two, so I guess it "ate" all of the signal before reaching the other wire, hi. (JW-CO1)
- 1380 KXCA OK Lawton - 11/8 2359 - Dual ID with KJME-1390 slop: . . . KXCA, Sports Radio 1380 . . . Sports Radio 1350 KKEN in Duncan, then into ESPN program. Ex-KSWO. (JW-CO)
- 1400 KWYN AR Wynne - 11/17 2032 - Atop, with Arkansas vs. Alabama State basketball, mention of the Arkansas Razorback Network. Thank goodness the Arkansas football list printed in DX News a few issues back is also good for basketball! (RD-IA)
- 1410 WIZM WI La Crosse - 11/8 2259 - Legal ID: WIZM LaCrosse, LaCrosse's News Station. Wizzem time is 10:00, then NBC News. Fair. (JW-CO)
- 1450 KVSIt ID Montpelier - 11/17 2007 - Local spots, with mentions of Montpelier. C&W music. Generally fair, with some good peaks. Heard often lately, but will not ID for me. Heard a station with SSB at 2059 - sure enough, KVSI is listed with 2100 sign-off time. Wish they'd ID and put me out of my misery. (JW-CO)
- 1470 KBBA TX Abilene - 11/12 1810 - Mexican music, call IDs, La Pura Tejano and Tejano 1470 AM slogans. Announcer was "A.C. Cruise". Last heard as KNTS. Fair until 1845 power cut, then poor/nul. (JW-CO)
- 1530 KFBK CA Sacramento - 11/11 2341 - Call ID. (DS-NM1)
- 1550 KUAT AZ Tucson - 11/12 1920 - Fair, with NPR programming // WSUI-910. (RD-IA)
- 1550 WCSJ IL Morris - 11/11 1959 - Good, over WBSC with ID: You're listening to WCSJ, Morris. (RD-IA)
- 1550 KMRI UT West Valley City - 11/15 2030 - Lady announcer with local announcement, call ID, then C&W music. Fair, over/under QRM. (JW-CO1)
- 1570 WRJQ WI Appleton - 11/7 2259 - Atop, with ID: Big Band Radio 1570 AM, WRJQ . . . (RD-IA)
- 1600 KUBAt CA Yuba City - 11/15 2116 - Spot for Yuba City Toyota-Lincoln. Fair, at best, under KCPX. No sign of KRVA-TX, which usually dominates 1600 on SE Beverage events. Silent? Local KYGO nulled on SE-NW beverage. (JW-CO1)
- 1600 KCPX UT Centerville - 11/15 2120 - Ads for local Hispanic night clubs. Dedications, call IDs and Radio Fiesta, La Mera Mera P.O. BOX 786 HARVARD. IL 60033 slogans. Variety of Latino music. Excellent signal all evening. Nice to have local KYGO nulled - their night pattern goes right over my house. New, for UT # 44. (JW-CO1)
- 1650 KKTR CA Costa Mesa - 11/11 1905 - With traffic reports. (GJ-CA)
- 1650 KKTR CA Costa Mesa - 11/11 2343 - With local talk. (DS-NM1)
- 1680 WJNZt MI Ada - 11/14 2200 - Have been hearing weak station here with mostly talk in early evenings, suspect it is them. (FA-ID)

DDXD-East

Deadlines are Tuesdays: December 1 and December 8. While I frequently do include stuff that comes in after Tuesday (even as late as Friday), the 12/8 deadline will have to be a "hard" deadline before the holidays because of commitments here.

My apologies to all for missing last week's column ... a nasty cold turned into bronchitis, then possibly pneumonia (the doctors never made up their minds), and now I'm on enough steroid medications to make me eligible to run for Governor of Minnesota, hi. Plenty of loggings here to make up for last week's deprivation!

Looks like lots of people were enjoying the auroral conditions 11/8-11 . . .

STATION NEWS

- 1310 WRSB NY **Canandaigua** - 11/3 1600 - Heard with ID for WASB-1590 and WRSB-1330, religious program, and "thanks to WCGR 1550." WASB is one of the worst technical operations in the area, and can barely be heard outside of Brockport. WRSB can be heard in Rochester, but it's a definite "rim shot" attempt to reach this market. This whole thing is screwy: daytime WCGR-1550 originally sought 1310 for expanded hours and improved reception, put it on the air, but then kept 1550 on anyway as a simulcast, and now they are giving up 1310! I also noted in the paper that 1310 and 1590 are going to run some sort of SS program, probably in addition to the religious programming. There is also a CP for WASB-FM. (JR-NY)
- 1340 WHAR WV **Clarksburg** - 10/17 - Adds Saturday program "Kim Komando Komputer Show" today per show, slogan is "News-Talk 1340." (DP-HI)
- 1350 WHWH NJ **Princeton** - 11/7 - Adds "Kim Komando Komputer Show" today per show, slogan is "News Radio." (DP-HI)
- 1470 WMMW CT **Meriden** - Now // WDRC-1360 24 hours a day. (RM-CT)
- 1490 WFAD VT **Middlebury** - 11/9 - Adds "Coast to Coast AM with Art Bell" today per show. (DP-HI)
- 1550 WJTT TN **Jellico** - Per call to station, schedule is LSR-LSS. (RM-CT)
- 1650 KDNZ IA **Cedar Falls** - 11/20 1854 - Spot for "Local news on KCNZ," which is what ID sounded like, CST TC, local Iowa high school football scores, spot for Iowa University wrestling, ID as "Information Radio KCNZ, Cedar Falls," into news. First day on air? (RR-ON)
- 1680 WJNZ MI **Ada** - 11/2 - These are the correct calls for this one, I believe. Now on regular service with UC format, lots of rap, "1680 Jams" slogan. Simulcast on 1140 during the day. (PLB-MI)
- WHWH NJ **Princeton** - Almost every day recently there has been a local-like OC here that I think is this station testing. No announcements at any time, off by 1700. (BD-PA)

DX TESTS

- 580 WIBW KS **Topeka** - 10/5 0100-0300 - Not heard. (RCP-IN)
- 730 KLOE KS **Goodland** - 11/16 0500-0700 - Not heard looking under CKAC. (RA-MA) Not heard in terrible, summer-like conditions. (SF-TN) Not heard. (GM-VA)
- 1140 KHTK CA **Sacramento** - 11/9 0300-0800 - Not heard at 0300 and 0400, conditions seemed auroral this night. (RA-MA) Not heard on replay of timer tape set up for :57 to :01 each hour. Just SS and static after 0400, WRVA not even audible. (SF-TN) Not heard, nor is anything above 1100 (and not much below it) heard after auroral conditions. (SK-PA)
- 1230 WODI VA **Brookneal** - 11/16 0200+ - Not heard after late tune-in at 0215. (RA-MA) Heard with code period of about 40 seconds. Long-wanted and VA #120. (SF-TN)
- 1300 KLER ID **Orofino** - 11/2 0200-0215 - Not heard, just usual WJFK. (SK-PA) Not heard, splash from local WTLC-1310. (RCP-IN)
- 1540 KTGG MI **Spring Arbor** - 10/26 0030-0130 - Not heard, only KXEL and CHIN. (RCP-IN)

UNID and UNID HELP

- 540 UNID -- ----- 10/30 2045 - C&W, ID as "FM 96.9," then lost in jumble. (RH-NJ) [Maryland. - DY]
- 560 WFRB MD **Frostburg** - WM-MD's unID in no. 5 is this, // WTBO-1230. (SK-PA)
- UNID -- ----- 10/31 2000 - Sports talk show, mention Business News Network. (WM-MD)
- 600 WBWL FL **Jacksonville** - WM-MD's unID in no. 6 with Sports Fan Radio Network is this. (SK-PA)
- 630 UNID -- ----- 10/29 2258 - OLD, business report, songs like "Small Town Girl" and "Rainy Day Woman #12 and 35." ID as CFPL, which is London ON 980. Move? (RH-NJ) [Or nearby Chatham in ??? - DY]
- 650 UNID -- ----- 10/20 0316 - Religious talk show in progress, fair signal mixing badly with WSM. (RCP-IN)
- 710 UNID -- ----- 11/9 2200 - C&W music under SS station; WOR not heard in auroral

- 730 UNID -- ----- 11/18 0000 - SSB and sign-off under SS talk. (WM-MD)
- 860 WDMG GA **Douglas** - SK-PA's unID Ken Hamblin Show in no. 6 could be this; unfortunately the station list at his web site is dated 1996! (DP-HI)
- UNID -- ----- 11/2 0005 - Weather forecast, C&W music under CJBC. (WM-MD)
- 880 UNID -- ----- 11/3 0100 - ABC news, talk show hosted by black woman, phone 732-3666. Bubby behind WCBS. Still there at 0400. (SK-PA)
- 910 UNID -- ----- 10/30 1634 - Don and Mike Show under WAVL, WABI. Is this WGBI/WILK? (JR-NY)
- UNID -- ----- 10/30 2129 - SS language, romantic ballads. Domestic or foreign? (JR-NY) [The only SS I've heard here is Caracas, as far as I can remember. - DY]
- 1020 UNID -- ----- 11/11 0035 - Celine Dionne song under KDKA. (WM-MD)
- 1060 UNID -- ----- 11/11 0030 - C&W music under KYW. (WM-MD) [WMCL? See logging below. - DY]
- 1070 UNID -- ----- 10/29 1725 - Promo for Ken Hamblin show, poor in local WIBC null. (RCP-IN)
- 1080 UNID -- ----- 11/6 0210 - Talk in tight WTIC null, weak but steady. KRLD? (DP-PQ)
- 1130 UNID -- ----- 11/10 0246 - Oldies under WBBR. (DP-PQ)
- 1160 UNID -- ----- 11/6 1920 - Two stations with football, one Raiders vs. Indians, the other with ID "This is Cardinals football on ...," also someone else with mentions of Arkansas and S.E.C. (WM-MD)
- 1240 UNID -- ----- 11/12 0255 - "ESPN on (WBLE?) Full Service 1240." Maybe WPKE as heard a few minutes later (see below)? (SK-PA)
- UNID -- ----- 11/13 0632 - Agricultural weather forecast with meteorologist Greg, mentioning East Indiana, Ohio, ad for ? Transit (phone 846-3939). (DP-PQ)
- 1270 UNID -- ----- 11/12 0100 - USA Talk Radio Network news, promo for Chuck Colson show, religious programming. (WM-MD)
- 1320 UNID -- ----- 11/13 1935 - Listing of local sponsors, ID as "Appalachian Sports Network," high school football game with North Carolina mentions. (WM-MD)
- 1350 UNID -- ----- 10/30 1935-1940 - High school football game, Wildcats vs. Ravens. (WM-MD)
- 1360 UNID -- ----- 10/30 2040 - High school football game, Bombers vs. Crusaders, ID "1360 Homer(?)." (WM-MD)
- 1410 UNID -- ----- 10/28 1750 - Disco songs, "Get ready, it's another hour of Solid Gold Soul" at 1756. (DP-PQ)
- 1420 UNID -- ----- 11/4 1735-1800 - Southern gospel music, various local ads, song "Happy Trails" and sign-off at 1800. (WM-MD)
- 1440 UNID -- ----- 11/10 2310 - Ads, mention of Franklin County, ID sounded like WKYO. (WM-MD)
- 1470 UNID -- ----- 11/2 1735 - Political ad, promo for Monday night football, "All Talk Radio," "Talk Radio 1470," then Dr. Laura. (WM-MD)
- 1480 UNID -- ----- 11/4 2350 - "Classic oldies" and ID sounded like WKIN. (WM-MD)
- 1580 UNID -- ----- 11/9 1718 - Occasionally strong signal in SS, distinctly mentioning call letters "WCAB" (or similar) (said "doble-U", not "doble-V"), also using "Cadena Caracol" feed from Colombia (but I don't think it was from a Colombian station). The signal stayed steady, even as other daytimers were powering down at 1730, 1745 and 1800. I heard two mentions of "Radio Brava" and "La Isla". Is this possibly Puerto Rico, or is it something in Florida? Help! Noted again 11/10 1705-1755 with steady signal, faded toward the end, Burger King and Coca Cola ad, but no other local clues like previous night. It was a straight Caracol news feed until 1745, then shifted to music. I couldn't get Caracol 5078 kHz at the time to see if it was //. Again 11/11 1631 noted pre-sunset, ruling out Latin America. I'm thinking that maybe this is WPGC with new programming? Although I did hear WPGC in English around 1500, maybe they do a Spanish program from 1630 onward? Caracol news went right across the top of the hour at 1800 without any local ID, came back a few minutes later and it was gone, so I suspect WPGC powered down for the night shortly after 1800. (JR-NY) [Niel Wolfish tells Harold Frodge it's WDAB; see loggings below. - DY]
- UNID -- ----- 11/11 1750-1803 - SS news, between stories a brief music snippet, slogan "Cora de Via" (?). Power cut 1803. (SK-PA) [That's "Caracol" (as in Cadena

WTAX
AM1240

UNID -- ----- 11/13 0415 - In CBJ null, 60's and 70's hits (Elton John, Rolling Stones, Beach Boys, Elvis, etc.) With deep and long fades, at 0519 seemed like a double call ID of WLTP and WLEB. (DP-PQ)

UNID -- ----- 11/18 1735 - Poor with ID "Lexington's original hit station," calls sounded like WSAI. NOS music not // WHLY. Georgetown, KY with new call, or maybe relaying WSAI? (HF-MI)

1650 UNID -- ----- 10/27 2105 - Very strong with talk program and off 2114. Back for a few minutes after that, not heard since. KCNZ testing? Or someone else? Otherwise just a weak pop music station here. (BD-PA)

UNID -- ----- 10/31 1820 - Weak signal from gospel station, mention of 205 area code (Alabama). (RH-NJ)

UNID -- ----- 11/13 2156-2201 - Classic rock music, Aerosmith "Sweet Emotion," man talking at 2200 saying "a song from 1960" into music, then faded without ID. Pirate or new station? (RR-ON)

1710 UNID -- ----- 11/4 2244 - Male voice in SS, test tones in background. What is this? (RH-NJ)

LOGGINGS: 0000-0800

550 WAYR FL Orange Park - 11/10 0100 - Wall to wall religious choir music, partial ID "... this is WAYR ...," and right back to music. Alone and just over the flutter. (SK-PA)

580 CKWW ON Windsor - 11/12 0525 - Neil Diamond song, call ID. Very weak but alone. (DZ-NY)

600 WMT IA Cedar Rapids - 11/14 0628-0640 - Interview with convention attendee, promo for Harvest Fest, program "Midwest Today," ID as "600 WMT." (GM-VA)

CKAT ON North Bay - 11/14 0620-0627 - C&W music, local ads and promos, ID's as "AM 600 CKAT." (GM-VA)

690 WTIK LA New Orleans - 11/10 0025 - Ad for broadcasting school, ID, into talk show. (WM-MD)

850 WYDE AL Birmingham - 11/11 0455 - Radio Disney ID's over unID OLD. Top of hour "Radio Disney, Birmingham" ID only, no calls. Poor. (DZ-NY)

870 WHCU NY Ithaca - 10/25 0021 - News, sports in WWL null. (RH-NJ)

920 WCHR NJ Trenton - 11/8 0159 - First time heard with these calls, at conclusion of religious program. (JR-NY)

WHJJ RI Providence - 11/9 0004 - CBS news, Internet ads, ID. (RH-NJ)

CKNX ON Wingham - 10/29 0629 - "Country 920, CKNX," heard often in the mornings. (RH-NJ)

940 WMIX IL Mount Vernon - 11/6 0015 - St. Louis Blues hockey vs. Los Angeles. (WM-MD)

950 WWJ MI Detroit - 10/25 0005 - CBS news, ID. (RH-NJ)

CKNB NB Campbellton - 11/13 0450 - Ads in EE and FF, C&W song, ID 0454 "Light rock favorites all day, country music radio all night, and rock and roll weekends, 95 CKNB." (DP-PQ)

990 CBW MB Winnepeg - 11/11 0359 - Noted with CBC signature tune. Remarkable to hear anything this far north and west in strongly auroral conditions. No sign of local WDCZ; two SS stations slugging it out here. (JR-NY)

CKGM PQ Montreal - 10/25 0635 - ID "Oldies 990 CKGM," Stevie Wonder's "A Place in the Sun." (RH-NJ)

1050 WKDL MD Silver Spring - 11/4 0157 - Presumed with canned "Omega" ID, laser and heavy bass ID at 0203. No calls but after 11 months I'm satisfied this is it, thanks to the new Log. (SK-PA)

1070 WHYZ SC Sans Souci - 11/8 0158 - With "Personal Achievement Radio" slogan, call letters, mention of Sans Souci, Greenville, and several other cities in legal ID. Hard to hear through two Colombian stations, no other domestics on the channel at the time. Heard again 11/9 1759 with ID after preacher. (JR-NY)

1240 WPKE KY Pikeville - 11/12 0300 - ID "WPKE ... WBPA Elkhorn City, Kentucky," then ABC news. (SK-PA)

1270 WXYT MI Detroit - 11/1 0100 - "Your station for Lions football," ID, "Talk Radio 1270."



(WM-MD)

1400 WRDG NC Greensboro - 11/4 0306 - Presumed with canned "AM 14 Radio Disney" ad. Only Disney listed on the channel. (SK-PA)

1570 WPGM PA Danville - 11/3 0000 - ID, mention of Danville, 96.7 FM. (WM-MD)

WCLE TN Cleveland - 11/8 0230 - Tentative with ad for Southern Gospel Hall of Fame, 423 area code which is Cleveland. (JR-NY)

WSWV VA Pennington Gap - 11/8 0235 - Call letters, mention of 105.5 FM. (JR-NY)

1580 WLIJ TN Shelbyville - 11/8 0230 - Local ads, call letters. (JR-NY)

1620 WPHG AL Atmore - 11/11 0645-0700+ - Over WHLY, UPI Morning News to 0658, "Hello world, you're with 16-20 WPHG Atmore, Alabama, your Christian voice of south Alabama and northwest Florida." Male announcer says they want reception reports; gave address, 800 number, and e-mail at wphg@usa.net. (HF-MI)

WJVA IN South Bend - 11/6 0106 - OLD, with songs by Neil Diamond, The Carpenters, Fats Domino, hosted by lady whose first name (I think) was Candice. "Radio Hollywood" slogan 0136. (DP-PQ)

+ 11/7 0014-0100 - Canned ID "Radio Hollywood," ABC news, joint ID on the hour. Good steady signal, wasn't there at 2355 so maybe they signed on at midnight? No sign of WPHG. (SK-PA)

1690 KAYK CO Arvada - 11/6 0010 - Other WMDM with kids' songs, "Radio Kids" at 0026, "Radio Disney" ID 0035, Beach Boys' "Kokomo" at 0048 // WPZE-1260. CO #1 for me. (DP-PQ)

LOGGINGS: 0800-1600

1540 WWKM MI Harrison - 11/7 1515 - Poor, man with oldies, ad for Ken's Auto and Repair. (HF-MI)

1620 WJVA IN South Bend - 11/6 1550-1635+ - Poor until 1600 then fair, 2 men with variety music, big bands, EZL, pop, oldies, C&W, dual ID's at 1600, "We're Radio Hollywood," ABC news, spot for South Bend Treasure Chest coupon book, ads for Milan's on the Avenue restaurant, Mishawaka Furniture, music continuing at 1606 after ads with same DJ's, including Scott Reese subbing for Eddie Hubbard. "Music of the stars, music of your life on Radio Hollywood, WHLY." (HF-MI)

1680 WJNZ MI Ada - 11/6 1535-1548+ - DJ Geronimo Black with rap music, "Stereo 16-80 Jams," promo for show at Welsh Auditorium. (HF-MI)

LOGGINGS: 1600-2400

530 CIAO ON Brampton - 11/17 1827-1836+ - "Radio India" ID's, Hindi? talk and vocals, EE ads for Lucky Chinese restaurant, East-West Connection, promo for "India News." (HF-MI)

560 WOOF AL Dothan - 11/5 2200 - One on One Sports, ID, mention of Dothan. Log says daytime only. (WM-MD)

WQAM FL Miami - 11/8 2359 - ESPN sports roundup, ad for club in Hialeah, ad for financial strategy. Auroral night. (RH-NJ)

WMUZ MI Monroe - 11/8 1712-1730+ - Religious programs "The Lord's Challenge" and "Discover the Word," ID "AM 5-60 WMUZ, the Word Station." Mentioned "sister station 103.5." Competing with SS station and "Oldies 5-60." (HF-MI)

WGAI NC Elizabeth City - 11/2 1900 - One on One Sports, "Your sports and information station," ID. Heard again 11/5 2330 with East Carolina football, list of local sponsors, ID. (WM-MD)

CKGL ON Kirkland Lake - 10/24 2355 - Ad for Kirkland Chrysler, other ads, atop frequency. (RH-NJ)

580 WGAC GA Augusta - 11/8 2107 - "CBS News Election Night '98, WGAC," then return to CBS Sunday night football. Again 11/10 2133 with ad for WJBF-TV, then Bruce Williams. (SK-PA)

600 WREC TN Memphis - 10/30 1759 - Call ID, ad for Northwestern Insurance, ID "AM 600 WREC." Poor, much noise. (RCP-IN)

610 WNTW VA Winchester - 11/13 1800-1805 - ABC news, cell phone ad, listing of local events, One on One Sports. (WM-MD)

620 WJWR NJ Newark - 10/31 2010 - "You're listening to Islanders hockey on One on One Sports." (WM-MD) [Note WJWR is

the Islanders flagship. - DY]

640 **WGST** GA Atlanta - 10/30 1743 - Drive-time traffic report for Atlanta area, "Traffic on the tens on WGST 640." Poor with several other stations in the mix. (RCP-IN)

WCRV TN Collierville - 11/3 1745 - Ad for local business, ID. (WM-MD)

650 **WRPT** MA Ashland - 11/5 1737 - "Dr. Dell, here on WRPT," ads for something Saturday morning, back to Dr. Dell at 1741. Way behind WSM with heavy WFAN-660 slop. Must have a PSSA. (SK-PA)

670 **KWXI** AR Glenwood - 11/11 1747 - Barbara Mandrell song "Sleeping Single in a Double Bed," followed by slogan "Kwick-see Country," "Your home for five decades of classic country hits. I'm Jim Murphy," very good signal and way over usual WMAQ. (RCP-IN)

WWFE FL Miami - 11/3 1745 - Female in SS reading article on Argentina, many mentions of Buenos Aires, music, "Del Caribe de Noticias" into news, followed by fanfare, ID in EE by man as "AM 670 WWFE Miami." (RR-ON)

680 **WCNN** GA Atlanta - 10/30 1736 - Mention of Bloomberg Radio Network, followed by "Listen to the Royal Treatment on WCNN," very good signal with no fading. (RCP-IN)

690 **WOKV** FL Jacksonville - 11/10 1709 - ID "WOKV News Talk 690" into weather, 83 degrees downtown, 75 at the beach. Quite good, alone. (DZ-NY)

WZAP VA Bristol - 11/3 1704 - With ID under CBF. (JR-NY)

730 **WOHS** NC Shelby - 11/8 2221 - Ad for cellular phone service at 444 S. Pittman Street in Shelby, then back to CBS Sunday night football. Atop the flutter after WLIL's 2200 sign-off. (SK-PA) [You mean there are people outside New York who use cell phones? hi - DY]

740 **KRMG** OK Tulsa - 11/10 2100 - Financial talk show, ID, ABC news on the hour. (WM-MD)

WBAW SC Barnwell - 11/154 1900 - "Solid gospel" and ID. (WM-MD)

750 **WAAT** PA Olyphant - 11/3 1731 - Heard with sign-off announcement, mentioning call letters and "1600 watts on clear channel 750." Why are they on so late? New with these call letters. (JR-NY)

760 **WMEN** TN Knoxville - 11/3 1730 - In WJR null with sign-off announcement, weak, heard little more than call letters and mention of Knoxville. New. (JR-NY)

770 **KPBC** TX Garland - 11/11 1810 - Ad for "PC Tune-up" computer store, see Joe Fletcher, PSA for Child Care International, call ID and musical tribute to the armed forces on Veterans' Day. Very good signal, WABC not heard. (RCP-IN)

790 **WAXY** FL South Miami - 11/11 1850 - Promo "Join us here on WAXY 790 Miami," then into talk show with female host. Fair but mixing with unID gospel station. First FL station this season. (RCP-IN)

WETB TN Johnson City - 11/1 1855 - Country gospel music, ID. (WM-MD)

800 **CJAD** PQ Montreal - 11/1 1805 - Loud with traffic, weather, and mention of elections. Soon overtaken by CKLW. (HJH-PA)

810 **WHB** MO Kansas City - 11/2 1750-1755 - C&W music, good but fadey, "The Farm," ID. (WM-MD) (This one runs an SS format Saturday evenings, too -pls)

WCYK VA Crozet - 11/2 2210 - Promo "Hi, this is Bill Thomas and [female]. We'll call out a winning number and give away \$4,000, from New Country 99.7," back to C&W over, under WGY. Heard this after hours in November 1996, and got report verified. (SK-PA)

820 **WWLZ** NY Horseheads - 11/5 2239 - Talk show on politics, discussion of Senator Moseley-Braun's defeat, noted as // WGMF-1490, ad for Sabre Radio Group. (RH-NJ)

WOSU OH Columbus - 11/4 1730 - "This is NPR," ID, traffic report, TC. (WM-MD)

WBAP TX Fort Worth - 11/1 2020 - "Your home for the Dallas Stars," ID. (WM-MD)

WGGM VA Chester - 11/12143 - Slogan "The gospel giant for central Virginia," fair at times with others. (HJH-PA)

830 **KOTC** MO Kennett - 11/10 1755-1800 - Assumed with C&W music and "Real Country" ID. (WM-MD)

WXII NC Kernersville - 10/31 2319 - ID and Channel 12 news promo. (JR-NY)

850 **WYDE** AL Birmingham - 11/10 2315 - Radio Disney ID, kid stuff, including "Anamaniacs" song. (RH-NJ)

WYLF NY Penn Yan - 10/30 1915 - Atop semi-local WEEU. Must be another of those upstate NY stations playing games with their listed minuscule night power. (RJE-PA) [Not that it's limited to upstate New York. - DY]

WRMR OH Cleveland - 10/27 2115 - Way on top with BBD songs like "Nanny Goat," ID as "Music of Your Life." (RH-NJ)

860 **WAMO** PA Pittsburgh - 11/2 1757 - ID popped from nowhere. Again with ID in mix 11/17 1955, mention of conservative talk network. (WM-MD)

880 **KGHT** AR Sheridan - 11/12 1726 - Booming in at unprecedented levels with a spirited mix of gospel music. Way over usual KRVN, WCBS mix. (RCP-IN)

KJOJ TX Conroe - 11/12 1831 - Dr. Laura in progress, decent signal with some fades. Several Houston mentions but no ID; call to station confirmed it was them. (RCP-IN)

WLQE VA Moneta - 11/11 2350 - Song "When I Fall in Love," ID, "The Lake" and mention of // 106.9 FM. Great signal in WCBS null. (WM-MD)

910 **WEPG** TN South Pittsburg - 10/30 1930 - Atop the mess with sports talk and ID. (RJE-PA)

940 **WMKC** MI St. Ignace - 10/31 2002 - Beginning of Detroit Red Wings vs. Dallas Stars, ID's as "940 and 1240" and mention of WCBY calls (1240). Not bad for 4 watts! (JR-NY) [If they were on 4 watts. - DY]

WKGM VA Smithfield - 11/3 1700 - Religious program, full ID, then power cut, under CBM. (JR-NY)

950 **WNZZ** AL Montgomery - 11/6 1917 - Tentative with Greenville vs. Montgomery (couldn't tell what sport it was) way behind WGOV. Several lower powered Southern stations coming in tonight with football games. (SK-PA)

WGOV GA Valadosta - 10/24 1826 - ID heard, "Magic 95" slogan, several soul songs back to back. Decent signal in null of local WXLW. New. (RCP-IN)

WIBX NY Utica - 10/27 2100 - Balsting in with ID as "News Radio WIBX." (RH-NJ)

WSPA SC Spartanburg - 11/8 1700 - Very clear ID "WSPA Spartanburg," then return to NASCAR racing. (SK-PA)

960 **CHNS** NS Halifax - 11/1 1925 - Weather forecast, ID. (WM-MD)

970 **WCHN** NY Norwich - 10/28 2120 - ID as "Unforgettable 970 WCHN," then Kansas' "Dust in the Wind." Must be more than listed 34 watts! (RH-NJ)

990 **WDCZ** NY Rochester - 10/29 2200 - Jazz music, ID, ads. (RH-NJ)

1000 **WLNL** NY Horseheads - 10/31 1717 - Very strong with list of local children to pray for, "Lighthouse Prayer Chain." (HJH-PA)

WRAR VA Tappahannock - 11/7 1705 - "This concludes another day of broadcasting for AM 1000 WRAR, transmitting to you on FM 105.5 WRAR." (PC-VA)

1040 **WJNO** FL Boynton Beach - 11/8 2330-2345 - Way atop WJHR, WHO in auroral conditions with many ID's, teletalk program on computers, listener call is to 930-WJNO, 844-WJNO. Spot at 2335 for West Palm Infinity, 930-5050. Strong signal for several minutes. (RA-MA)

WSGH NC Lewisville - 11/16 2220-2230 - Country gospel music in WHO null, "Your home for southern Gospel," mention of Winston-Salem, listing of church events, ID as "Joy FM." Great signal. (WM-MD)

1050 **WPBS** GA Conyers - 11/8 1900 - ID, mention of Marietta, "The best in Christian music." Mixing with an OLD station. (WM-MD)

WMSG MD Oakland - 11/17 2015 - Assumed with UMBC vs. Maryland basketball. (WM-MD)

1060 **WMCL** IL McLeansboro - 11/11 2200 - Partial ID "WMCL, your full service radio station," 3 minutes of ABC news, then back to C&W. Jumping the gun on nighttime operation, no? Application was listed in DX News no. 6. Station #1100 from this location. (SK-PA) [Keep going! - DY]

WLNO LA New Orleans - 11/9 1758 - Power-down announcement following religious program, mentioning 50,000 watts, listeners in 4-state area, call letters. New with these calls; KYW totally gone in auroral conditions. (JR-NY)

+ 11/16 2200 - Preacher with ID, USA Radio news, in partial KYW null. (WM-MD)


1070 **WAPI** AL Birmingham - 11/9 1725 - Mention of local business, weather forecast, promo, ID. (WM-MD)

WIBC IN Indianapolis - 11/2 1708 - ID and weather heard in a mix. (DZ-NY)

WNCT NC Greenville - 11/9 1730 - Weather forecast, "Your station for the 70's," ID. (WM-

WGL
TALK RADIO



			MD)
	CBA	NB	Moncton - 11/2 1707 - CBC news, "Radio One" network ID, poor in a mix. No local ID, but this is the only possibility. (DZ-NY)
	CHOK	ON	Sarnia - 11/2 2028 - ID, jingle under CBA, to NFL football on the CBS network. Nice peak. (DZ-NY)
1080	WFTD	GA	Marietta - 11/9 1720 - Southern gospel music in WTIC null, ID. (WM-MD)
	WKKE	NC	St. Paul's - 11/16 1751 - Country gospel music, ID, in WTIC null. (WM-MD)
1130	WRRL	WV	Rainelle - 11/10 1720-1730 - Country gospel music in WBBR null, ID at 1720, poor-fair. (WM-MD)
1160	WOBM	NJ	Lakewood Township - 11/6 1930 - "You're listening to Jersey Shore Football," ID, Monkees' song "I'm a Believer." (WM-MD)
1180	WHJM	TN	Knoxville - 11/11 1850 - Country gospel music in WHAM null, ad for nursing home, mentions of Knoxville and eastern Tennessee, good. (WM-MD)
1190	WBIS	MD	Annapolis - 11/4 1600 - ID "You are listening to the Business News Network, WBIS Annapolis, 1190 on your AM radio dial." (PC-VA)
	WHMT	TN	Humboldt - 11/9 2358 - Canned ID "This is all sports, 1-1-9-0 AM," back to One on One Sports. Non-legal ID at 0000: "This is all sports, 1-1-9-0 AM Humboldt, all sports all the time." They've been 24 hours for over a year and never use an ID. How do they get away with it? [Because if they don't ID, the FCC needs to know how to DX to figure out who they are, hi. - DY] Good and alone. (SK-PA)
			
1200	WTLA	NY	North Syracuse - 10/28 2220 - ID "Unforgettable WTLA 1200 and WSGO 1440 for the Community," NOS music. (RH-NJ)
1230	WNOR	VA	Norfolk - 11/16 2150 - Rock music, ID as "FM 99." (WM-MD)
1240	WBUR	MA	West Yarmouth - 11/4 2059 - Tentative with mention of event in Boston, end of talk show "Thank you, Nancy; Thank you, Brad." Then lost. (SK-PA)
	WKDA	TN	Nashville - 11/11 1935 - Ad for auto repair in Nashville, ID, into talk show. (WM-MD)
1250	WGHB	NC	Farmville - 11/13 2231 - Thought I heard "This is Sports Radio 1250, WGHB." Certain about the call letters, not as sure about the Sports Radio part. Followed by "Steel City Sports Show" (I don't think it was WTAE but a lot was happening on the channel at once.) (DH-VA) ["Steel City" sounds like Pittsburgh to me. - DY]
	WBRM	NC	Marion - 11/1 1705 - USA Radio News, weather, mention of Marion, C&W music. (WM-MD) + 11/12 1715 - Ad for Glidden Paint store in Marion, stock market report, ID. (DH-VA)
	WEAE	PA	Pittsburgh - 11/7 2125 - ID "12-50 WTAE" heard in mix, along with mention of sports coverage. (DH-VA)
	WTMA	SC	Charleston - 11/12 1721 - Ad for Charleston County recycling, ID "News Talk 1250, WTMA." (DH-VA)
	CHWO	ON	Oakville - 11/4 2045 - Local ad, ID. (WM-MD) + 11/13 2241 - Paul Anka tune, ID, "Back with more of your favorites on the Hit Parade on CHWO," mention of Oakville area weather, mixing with WGHB. (DH-VA)
1260	WNXT	OH	Portsmouth - 11/7 1910 - Tentative with Ohio State football network vs. Michigan State. Closing comments after Ohio State lost. I just passed it on to WKNR-1220; I refuse to sit through that awful Radio Disney to get the ID. (SK-PA) [Ah, but what a pleasant football game that one was! - DY, Spartan alumnus]
	WPHB	PA	Philipsburg - 11/17 1707 - In WWDC null with "WPHB local news" sponsored by The Progress newspaper, ad for Radio Classifieds show to start at 1735, song "Ghost Riders in the Sky" and later a Johnny Cash tune. Seems to be substantially classic country format. (DH-VA)
	WNNI	VA	Christianburg - 11/4 2220-2255 - Presumed with nonstop "smooth jazz" to 2255, then very mellow voiced female said "This is WVTF Roanoke" and at least two other stations, "funding is provided by ...," WVTF is 89.1 MHz according to FM Atlas. Fair and mostly atop, probably on daytime power. (SK-PA)
1270	WCBC	MD	Cumberland - 11/7 1641 - WCBC news, ESPN Radio, ID "AM 12-70, CBC." (DH-VA)
	WCGC	NC	Belmont - 10/31 2300 - ID heard in mess. (WM-MD)
	WMPM	NC	Smithfield - 11/1 1700 - Fair, ending country gospel format, sign-off at this

			time. (HJH-PA) + 11/8 1655-1705 - Country gospel music, sign-off at 1705 with station address, ID. (WM-MD)
	WUCO	OH	Marysville - 10/31 2200 - Political ad, ID. (WM-MD)
	WLBR	PA	Lebanon - 11/17 1717 - National sports, ID "WLBR Sports Tuesday," and slogan "Lebanon's news leader." Ad for Turkey Hill Minute Markets, and promo for Dr. Gabe Mirkin's show. (DH-VA)
	WLIK	TN	Newport - 10/311 1857 - Fair signal with ad for Newport Federal Bank, "You've been listening to Football Finals on WLIK." (HJH-PA)
1280	WHVR	PA	Hanover - 11/15 1604 - ID "1280 WHVR" followed by Baltimore Ravens football game. (DH-VA)
	WYVE	VA	Wytheville - 11/2 1810 - C&W music, "Your community station," ID. Loud and clear signal. (WM-MD)
1290	WOMP	OH	Bellaire - 10/30 2105 - High school football game, score 20-3, ID, "News-Talk 1290." Over another high school football game, score 21-0, announcer with Southern accent. (WM-MD)
	WFBG	PA	Altoona - 11/7 1655 - ID "AM 12-90 WFBG, Altoona," Stan Freberg "When Radio Was" show. (DH-VA)
	CJBK	ON	London - 11/7 2045 - Hockey game, London v. Ottawa, poor, mixing with football, ID at 2107. (DZ-NY)
1300	KAKC	OK	Tulsa - 11/4 1805 - Tentative, have been hearing something here for the last month with One on One Sports shortly after local sunset, no ID's heard. This is the only One on One listed in both the old and new Log's. Someone mentioned a One on One web site ... can any computer users confirm? (SK-PA) [Tried to find such a web site myself a while back unsuccessfully. - DY]
	WNQM	TN	Nashville - 11/9 1800 - ID "On AM 1300, WNQM, Nashville Quality Ministries." Promo by Steve Allen (the preacher) for his program Monday to Friday at 11:40 a.m., then the "Victorious Living Broadcast." Alone and very good; WJFK finally showed up poorly at 1835. (SK-PA)
1310	WYUR	MI	Dearborn - 11/8 1951 - ID, then "Ride of the Valkyries" by Wagner. Poor to fair, alone. (DZ-NY)
	WDPN	OH	Alliance - 11/12 2027 - ID in a mush "1310 WDPN," then gone. (DZ-NY)
	WGH	VA	Newport News - 10/26 1745 - Strong with ad for Saturn of Newport News, "Score 1310," no calls heard. (HJH-PA)
1330	WMLT	GA	Dublin - 11/6 1950 - "Your songs of the 40's and 50's," ID. (WM-MD)
1350	WAIK	VA	Norton - 11/8 1715 - Auto racing, mention of Performance Racing Network, ad for auto supply store in Norton, ID. Very good signal while in. (WM-MD)
1360	WNJC	NJ	Vineland - 11/2 1805 - Slogan "The Legend Lives On," Temptations song "You're All That Matters To Me," followed by female saying "Broadcasting from the top of the Twin Towers in ..." followed by a clear station ID "1360 WNJC," which really surprised me. Tape made and sent to station. Only second NJ station heard. (RCP-IN)
	WGEE	WI	Green Bay - 10/25 1821 - Very good with slogan, "You can depend on 1360 WGEE," then to financial talk. (HJH-PA)
1370	WGCL	IN	Bloomington - 11/3 1939 - Man and woman giving election returns "here on 1370 WGCL," rose up during WJMT fade, then behind. (SK-PA)
	WTLC	NC	Gastonia - 11/9 2001 - "You know God loves you. He really loves you," Black gospel music. ID 2005 "Music! Music! Great gospel music! 1370 WTLC Gastonia-Rockingham, 1490 WGCD Chester." Good and alone. (SK-PA)
	WMJT	WV	Moundsville - 11/6 2100 - ID heard under sports talk. (WM-MD)
1390	WEED	NC	Rocky Mount - 10/30 2106 - "Red Dogs football right here on Stereo 1390 WEED, Rocky Mount." Fluttering atop, not heard since 1994. Though this is probably the unID noted with NC State football on 10/1. (SK-PA)
1410	WELM	NY	Elmira - 11/11 2020 - Promo for Buffalo Bills football, mention of Elmira. (WM-MD)
	KQV	PA	Pittsburgh - 11/6 1722 - Ad for Allegheny County Medical Society and Valley Billiard. Otherwise, news interspersed with ID's "KQV News Time" and local time. Also ID "The Radio Flagship of the Panthers, News Radio 1410, KQV." (DH-VA)



- + 11/12 1957 - Ad for Pittsburgh Honda dealer, ID 2000 "KQV, all news, all the time," very poor behind WDOE. (DZ-NY)
- 1420 WACT AL Tuscaloosa - 11/10 1659 - Gospel song "Hill Called Calvary," several call ID's. Very good and steady signal, new. (RCP-IN)
- WACK NY Newark - 11/5 1810 - Weather report, mention of Newark. (WM-MD)
- WVOT NC Wilson - 11/4 1900 - "All 70's," "The Volcano," mentions of Greensboro and Wilson, ID. (WM-MD)
- WEMB TN Erwin - 11/14 1715 - Arkansas vs. Tennessee football game, mention of auto shop in Erwin. Again 11/16 1720 with promo "Atlanta's Country" (?) and ID. (WM-MD)
- WAMV VA Amherst - 11/4 1611 - "Country WAMV" through jumble after WKCW sign-off. (PC-VA)
- CKPT ON Peterborough - 10/28 1851 - Bonnie Tyler's "Total Eclipse of the Heart," host mentioning free cholesterol and blood pressure checkup, "from the CKPT community line, call 742-8844, extension 433," into Shania Twain song. (DP-PQ)
- 1430 WFOB OH Fostoria - 11/5 1900 - C&W music heard over talk, ID. (WM-MD)
- 1440 WRBP OH Warren - 11/6 1742 - Interviews with local high school football coaches, ads for Austintown Emergency urgent care center and Kent State University's Trumbull campus. ID "WRBP, Power 1440." (DH-VA)
- WTRP OH Warren - 11/4 2000 - ID, "Power 1440," promo, // 101.9 FM, mention of Warren. (WM-MD)
- 1450 WIBM MI Jackson - 11/6 1640 - Poor, "WIBM is here 24 hours a day," oldies. In and out of pile; rare visitor here. (HF-MI)
- WSNO VT Barre - 11/5 1624 - Ad for the "Kim ... computer clinic show" Saturday at noon "for Central Vermont ... station AM 14-50 WSNO." (DP-PQ) [That's the Kim Komando Computer Show, see DP-HI's notes in Station News above. - DY]
- 1460 WKDV VA Manassas - 11/6 2350 - Overpowering with SS talk and music, mention of "Omega Weekend." (RH-NJ)
- 1470 WSRO MA Marlborough - 11/5 1755 - Talk show, self-help ad, ID, // WRPT. (WM-MD)
- WPNC NC Plymouth - 11/10 1705 - Sign-off with ID. (WM-MD)
- 1480 WTLO KY Somerset - 11/14 1810 - Promo for local event, mentions of I-75 and Mount Vernon. (WM-MD)
- WSAR MA Fall River - 11/13 1920 - ID, promo for local event. (WM-MD)
- 1490 WKVT VT Brattleboro - 11/6 2200 - ID "1490 WKVT Brattleboro" into CBS news. Just as I was putting on my headphones. (SK-PA)
- 1510 WJKN MI Jackson - 11/13 1710-1715+ - Fair, another rare visitor here, with Michigan news features, ID "AM Stereo 15-10 WJKN." (HF-MI)
- 1550 WAZX GA Smyrna - 11/9 1724 - Program in SS, mention of phone number in 404 area code, call letters, powered down at 1730. New with these calls. (JR-NY)
- WKBA VA Vinton - 11/3 1700 - "WKBA Vinton, Roanoke, Salem; WKPA 1170 AM Lynchburg," into gospel after ID. In null of WMRE after power cut. (PC-VA)
- + 11/3 1715 - Country gospel, sign-off, ID. (WM-MD)
- 1560 WKDO KY Liberty - 11/2 2025-2100 - Part of canned ID "Kentucky's ...," then C&W music. ABC news at 2100. Some brief strong spurts over WQEW. WKJK is finally off. (SK-PA)
- WKIK MD La Plata - 10/29 2305 - Partial ID in WQEW fade as "WSMD Mechanicsville-Lexington Park." New format is 95% 70's music, rest 60's. Blasting in very loud for the music. Has been heard every night this week. At least 15 daytime stations noted after hours more than twice this month. (SK-PA)
- 1580 WHLY IN South Bend - 11/18 1719 - Poor with ID "16-20 AM Stereo WHLY, Radio Hollywood, ad for Milan's on the Avenue, NOS music. (HF-MI)
- WPGC MD Morningside - 11/9 1942 - Canned ID "Washington's new One Oh One Seven Nine, the Beat," new rap/UC format. Must be // WFSI Annapolis? (SK-PA)
- WWSJ MI St. John's - 11/17 1703-1740+ - Poor with fire and brimstone religious program to 1730, then Gospel music, mixing with SS and FF stations. Woman with ID, spots at 1730 and 1738. (HF-MI)
- WLIM NY Patchogue - 11/15 1740 - NOS music, ID. (WM-MD)
- WRDD PA Ebensburg - 11/18 1852 - Poor, up briefly with call ID. Believe they were running OLD but hard to tell in this mess. (HF-MI)



- WDAB SC Travelers Rest - 11/17 1703-1810+ - Poor, man in SS with news items prefaced by "CARACOL." SS promo at top of hour but too messy, mixing badly with WWSJ and FF station. Per tip from Niel Wolfish, WDAB is reported to carry CARACOL Colombia news. Heard again 11/18 1745 with SS promo for NFL football, "Caracol, primera cadena deportiva por América." (HF-MI)
- WLIJ TN Shelbyville - 11/18 1827 - Poor, C&W music, concert promo, "right here in Shelbyville." All the new "action" on 1580 here tells me that CBJ Chicoutimi PQ is operating at low power prior to switching to FM. (HF-MI) [I don't think so; probably just some nice auroral conditions which tend to knock out CBJ before any other station. I've actually been to Chicoutimi, and I can tell you it's pretty far north. - DY]
- 1600 WWRL NY New York - 11/16 1900 - ID heard in mess. (WM-MD)
- WCPK VA Chesapeake - 10/22 2157-2200 - Sign-off fair to good with end of talk show, announcement: "You're listening to WCPK Chesapeake, a service of the Chesapeake ... Until then this is WCPK saying good night, and good listening." Then off leaving WWRL virtually in the clear. (MS-ON)
- 1620 WPHG AL Atmore - 10/31 1830 - Bank loan ads, 1-800-580-1609 and 1-800-800-LOAN, news, ad for relief of back pain, ID. (RH-NJ)
- WJVA IN South Bend - 11/5 1653 - Good signal, call letters mentioned, old songs. Played "Come Back to Sorrento." ID 1725 "We're Radio Hollywood. Share the friends and share the memories." (BD-PA)
- + 11/5 1725 - "Music of the stars, memories of your life on Radio Hollywood, WHLY," oldies, dominant on channel with no WPHG. (PC-VA)
- + 11/5 1750 - Strong signal with NOS format, local ads, ID, guest DJ. (JR-NY)
- + 11/5 1905 - Good with calls, NOS music, some WPHG QRM. (MB-IN)
- + 11/6 2340 - Jazz music, BBD, Clooney & Baise, ID as WHLY. Again next night at 2200 with ID as "WHLY-AM and WJVA-AM, Radio Hollywood." Must be running // 1580, at least for the time being. (RH-NJ)
- + 11/11 2242 - "Radio Hollywood" ID followed by Gordon Lightfoot song. (MH-NY)
- + 11/12 2141 - Local ads, ID "Celebrating our fourth year of bringing you great music, 1620 Radio Hollywood," into MOR songs. Mixing with WPHG at times. ID on hour "WHLY and WJVA-AM, South Bend," into ABC news. Very good. (RR-ON)
- + 11/16 2300 - A bit over WPHG with NOS and "WHLY-AM and WJVA-AM, South Bend" ID. (SF-TN)
- + 11/17 1646-1701+ - Elvis Graceland feature, NOS music, "10,000 watts in AM stereo, We're Radio Hollywood," "WHLY and WJVA South Bend," ABC news at top of hour. (HF-MI)
- 1630 KCJJ IA Iowa City - 11/1 2243 - Local-like with soft rock, ad for Hawkeye Sewer and Drain. (HJH-PA)
- + 11/4 2237 - City High School football game, ID "KCJJ 1630" during breaks. Clear channel. (PC-VA)
- + 11/11 2234 - ID and gave phone number, area code 319. (MH-NY)
- 1640 WKSH WI Sussex - 11/2 1740 - Religious music, ID, then feature "How to Manage Your Money." Good signal. (HJH-PA)
- + 11/2 2155-2210 - Mixing weakly with PA TIS, religious music, ID's, weather, mention of "Milwaukee Calendar of Events." Male and female announcers. New. (RA-MA)
- + 11/5 1715 - Religious AC songs, ID 1728 "This is Life Message, we are broadcasting on WKSH, presenting to you a message of life," reading from James 4:7-11, followed by financial program hosted by Larry Burkett. (DP-PQ)
- + 11/11 2236 - Christian music, ID with studios in Newauka, Wisconsin, sign-off 2300. (MH-NY)
- 1660 WQSN MI Kalamazoo - 10/30 1819 - Local ads over WBAH, in the clear next day at 1842 with ad for Corner Bar and Grill and ID. (RH-NJ)
- + 11/11 2300 - Newscast, strong QRM from WBAH. (MH-NY)
- WBAH NJ Elizabeth - 10/31 1903 - Sign-on of Radio Portugal program. There are lots of PP folks in Elizabeth, and some fine bakeries. (RH-NJ) [The Portuguese roll is a staple back home in Bridgeport, too. - DY]
- 1670 WNML GA Warner Robins - 11/11 2312 - "The Sports Animal," very weak signal down in



- the mud. (MH-NY)
- WT DY WI Madison - 10/28 1907 - "This is the station ... today's talk, AM 16-70, WTDY." Very noisy. Wisconsin #1. (DP-PQ)
- 1680 WJNZ MI Ada - 11/2 1752 - Hip-hop rap music, DJ banter with "The Brown Hornet," election ad for Sharon Geyer, ad for Goodyear tires. Slogan "Stereo 1680 Jams." (HJH-PA)
- + 11/4 2300 - Strong signal, rap programming without ads, ID only as "Stereo 1680 Jam." Question at 2313: "What makes 1680 Jam different from all the other radio station in west Michigan?" (PC-VA)
 - + 11/5 1916 - Ads for Grand Rapids and a menswear store; first ads I've heard here. Still only ID's as "1680 Jams." Strong signal. (BD-PA)
 - + 11/11 2320 - Music show, strong like a local, now heard nightly. (MH-NY)
- 1690 WMDM MD Lexington Park - 11/11 2305 - Ad for Lighthouse Inn on Solomon Island and ID "Bay Talk, WMDM, Lexington Park." (MH-NY)
- + 11/17 1812-1822+ - Fair, Paul Harvey to 1820, spot for "Myers in the Middle on Bay Talk 16-90." (HF-MI)
- 1700 KBGG IA Des Moines - 11/5 2340 - The Don McDonald show, 877-266-SHOW, ID 2354 "This is the Big 17 Hundred KBGG, Des Moines' Business Network." (DP-PQ)
- + 11/11 2323 - Now heard nightly, but always battling with WCMQ. (MH-NY)

HARMONICS

- 2480 WWZQ MS Aberdeen - 11/11 0627-0644+ - Very scratchy, with religious program to 0628, "Mississippi ... Network," farm market report 0631 to ID, spot, Mike Palmer weather. (HF-MI)

TIS AND MISCELLANEOUS

- 530 TIS NJ ----- 11/15 1450 - Continuous loop with female announcer starting out "Welcome to the Wild...." then toward the end of the roughly 60-second announcement, something about being part of the "state emergency network," followed by soft guitar music for another 20+ seconds, then repeat. Somewhat off frequency and distorted, plus QRM'ed by an unID HAR. (RJE*NJ-1)
- 1610 TIS NJ Pleasantville (WPIR381) - 11/15 1440 - Atlantic City Convention and Visitors Bureau station atop a mainland Garden State Parkway HAR. Fairly readable. (RJE*NJ-1)
- HAR NJ Wall Township (WQO799) - 11/15 1515 - Garden State Parkway HAR located roughly at interchange between Parkway and I-195. Good signal while driving through. (RJE*NJ-2)
- CHEV ON Scarborough - 11/4 2136 - Atop a pack of TIS stations with a hockey game and call ID just past the hour at 2203. (BD-PA)
- CHEV ON Toronto? - 11/20 1902 - Male DJ with Barrie Colts vs. North Bay Centennials OHL hockey game live from the Molson Center in Barrie, "pick up your tickets at the Molson Center," signal peaking nicely at 1922. Very strong. Is this located in Toronto proper? (RR-ON) [It's a mobile station, usually broadcast from the site of the game as I understand it. - DY]

INTERNET UPDATES

From Scott Fybus's "North East Radio Watch," used by permission: WCMF-990-NY has a new phone number, shared with its FM sisters: (716) 399-5700. WJLT-1060-MA will be changing calls and format to local talk when they get their daytime power upgrade. The format will be moving elsewhere on the dial; Scott speculates to WSRO-1470. WKFD-1370-RI's tower has been taken down, according to reports. WNLC-1510-CT, which went silent a year ago with tower problems and changed calls to WWJY earlier this year, will apparently not be returning to the air. This, combined with the demise of CKRS-1510-PQ a couple years back, would open up some room in the pattern for WNRB.



STATION ADDRESSES

More updates from Steve Kennedy: WROW-590-NY address in new Log is no longer valid. WGAW-1340-MA and WSRO-1470-MA are now at 48 Fitchburg St., Marlborough MA 01752-1262.

REPORTERS

RA-MA Ray Arruda Acushnet MA - R8A, SW8, LW, Quantum loop

- PLB-MI Phil Boersma Spring Lake MI - Local news
- MB-IN Mark Burns Terre Haute IN - R8, 80' LW, Kiwa loop
- PC-VA Perry Crabill Winchester, VA - R8, 100' LW, Kiwa loop
- BD-PA Ben Dangerfield Wallingford PA - R8A, 3 slopers, MFJ-1026 phaser
- RJE-PA Russ Edmunds Blue Bell PA - HQ-150, 4' altaz loop
- RJE*NJ-1 DX'ing at Island Beach State Park, NJ - Car radio
- RJE*NJ-2 DX'ing at Wall Township NJ - Car radio
- SF-TN Steve Francis Alcoa TN - TRF, Select-a-Tenna
- HF-MI Harold Frodge Midland MI - R71A, 85' 185' RW's, ICF-7600G, 50' RW
- RH-NJ Richard Harrison Hewitt NJ - Bose Wave, Satellit 3400, Select-a-Tenna
- HJH-PA Harry Hayes Wilkes-Barre PA - Superadio II, III
- MH-NY Mark Henning Hamburg NY -
- DH-VA Dave Houde Fairfax VA - Superadio II
- SK-PA Steve Kennedy Coal Township PA - Superadio III
- WM-MD William McGuire Cheverly MD - DX-380
- RM-CT Ron Musco Poquonock CT - Station news
- GM-VA Greg Myers Richmond VA -
- DP-HI Dale Park Honolulu HI - Station news
- DP-PQ Denis Picard Trois Rivières PQ - R-5000, Kiwa loop, 145' attic wire.
- RCP-IN Robert Pote Greenwood IN - R8A, Quantum loop
- JR-NY Jim Renfrew Rochester NY - R8, Radio West Loop, Alpha Delta Sloper, Dodge auto radio
- RR-ON Robert Ross London ON - HF-2050, 80m dipole
- MS-ON Morris Sorensen Scarborough ON - R8, DA-9 loop
- DZ-NY Dan Ziolkowski Hamburg NY - 2010, Kiwa filters, Kiwa pocket loop

National Radio Club Financial Statement

Fiscal Year 1997-1998

Income Statement

Member Dues	\$16,063.02	Other Administrative	
AM Log	9796.80	Telephone	278.77
Antenna Manuals	671.20	Info Purchase	60.00
NRC Pattern Book	1,549.60	Supplies	1,804.26
New Member Book	384.00	Miscellaneous	1,867.28
Samples	14.97	Convention	<u>1,284.34</u>
Beverage Manual	220.70	Total Expenses	\$35,90.56
Loop Manual	832.75		
Audio Service	2,982.00	Statement of Income (Loss or Gain)	
Convention	1,868.50	Income all sources	\$37,718.92
Reprints	2,153.13		
FM Atlas	401.00	Bulletin/Publication Costs	
Map Book	772.25	Beginning Inventory	\$5,457.16
Miscellaneous	<u>9.00</u>	Printing	20,717.44
Total Income	\$37,718.92	Postage	9,938.47
		Less Ending Inventory	<u>-5,115.34</u>
		Net Costs	\$30,997.73

Expense Statement

Printing		Profit	\$6,721.19
Bulletin	\$11,587.52	Administrative Expense	\$-5,294.65
AM Log	6,050.00	Net Profit	\$1,426.54
Pattern Book	550.00		
New Member Book	158.62	Balance Sheet	
Antenna Book	302.13	Assets	
Reprints	1,768.16	Inventory	\$5,115.34
Administrative	<u>301.01</u>	Cash	11,360.06
Subtotal	\$20,717.44		

Postage

Bulletin	7,697.86	Liabilities	
Sales	1,320.39	Deferred Dues	\$-8,124.47
Administrative	921.22	Net Worth	\$8,350.93

International DX Digest

Foreign DX Catches. Times are UTC; for ELT, subtract 5 hrs.

Welcome to first time reporter Rocky Robello. May your DX be plentiful in these pages. Señor John Wilkins reaches a milestone, and he also features his new organic equipment. And John Sgrulletta is here, now with his own e-mail system. Werner Funkenhauser has some interesting stuff, too. It's an all-aurora edition of IDXD!

Jim

PAN-AMERICAN DX

- 526 BAHAMAS ZLS Stela Marris, OCT 24 0625-0628 - poor in QRN and CIAO slop. MCW 'ZLS' heard 6 times a minute. Best on LSB. [Funkenhauser-ON] NOV 16 0457 - Fair with "ZLS" NDB. [Wilkins-CO1]
- 530 TURKS & CAICOS ISL. R. Visión Cristiana, NOV 16 0450 - Strong all evening over local TIS stations on SE beverage. [Wilkins-CO1]
- 570 CUBA R. Reloj- Pilon, NOV 9 0505 NOV 9 - News and continuous time pips in local WMCA null. [Sgrulletta-NY]
- 630 PUERTO RICO WSKN Super Cadena, San Juan, OCT 22 0214-0230 - fair-good in peaks. SS female hosting tele-talk, full ID at 0218 as 'La cadena mas importante, Super Cadena de Puerto Rico'. New since WQSB was here. [Funkenhauser-ON]
- 630 CUBA unlisted R. Reloj, OCT 24 0530-0534 - poor in a jumble. SS male/female reading news in typical 'R. Reloj' format. New. [Funkenhauser-ON] (Probably an overnight feed on an existing station- Jim)
- 690 COLOMBIA HJ CZ CARACOL, Bogotá, NOV 10, 0500 - good. Full ID as "Esta es Radio Recuerdo Cadena HJ CZ, seis centa NOventa kilohertz, desde Santa Fe de Bogotá", IDs for network affiliates' and 'Systema de la primer radial Colombiano, CARACOL.' slogan. [Funkenhauser-ON]
- 700 COLOMBIA HJ CX CARACOL, Cali, OCT 20 0413-0417 - fair, WLW partly nulled. SS male with news, CARACOL mentioned in context at 0416. Also NOV 9, variously from 0345-0458. SS, ad string in including 'Banco Popular' and 'Cerveza de Colombia'. Several 'Radio Net (Nay?)', but no CARACOL IDs. [Funkenhauser-ON] NOV 9 0448 - Fanfare and Radio Net ID, into noticias. Completely dominant over WLW. [Sgrulletta-NY] (Maybe Radio Red? "Red"=Network, in Spanish. -pls
- 760 COLOMBIA RCN Barranquilla, NOV 16 0222 - Sounded like some type of results were broadcast (voting?). male announcer with mentions of various Colombian cities and Radio Cadena Nacional. [Sgrulletta-NY] (This one has been pounding in here every night this week - Jim)
- 760 MEXICO ABC Mexico City, NOV 20 0600 - music program under RCN Colombia, finally heard "ABC" slogan at this time, listed at 5000 watts. [Renfrew-NY]
- 780 VENEZUELA R. Coro, NOV 9 0100 - YV music to 0115, then time check and 2 male announcers with Radio Coro ID. Election results followed. Dominant on frequency for a good 15 min. [Sgrulletta-NY]
- 790 CUBA CMAQ Pinar del Rio, NOV 16 0200 - with Radio reloj program of news, commentary, and time. [Sgrulletta-NY]
- 810 HJCY Caracol Colombia, Bogotá NOV 18 0250 - SS, very good with man talking SS. Many mentions of Colombiana. ID as "Caracol" @ 0255. [Ross-ON]
- 820 MEXICO XEMVS, Mexicali, BCN, OCT 29 1251 - Legal ID with call, power, address (sounded like "San Francisco y Monte Carlo"). Heard frequent "La Mejor" slogans and seems to have replaced Radio Lobo as main slogan. Good in WBAP null. [Wilkins-CO]
- 830 MEXICO XEVQ, Navolato, SIN, NOV 16 0309 - XE music, "XEVQ, La Grande de Sinaloa" slogans. Fair at best with WBAP slop. [Wilkins-CO1]
- 830 MEXICO XELN, Linares, NL, NOV 16 0259 - Legal ID, largely unreadable but pulled out call letters and "Nuevo Leon" and mention of FM. New catch, XE #149, NL # 11. [Wilkins-CO1]
- 830 DOMINICAN REPUBLIC HIJB R. Fabulosa, Sto. Domingo, NOV 10 0610-0631 - poor-fair in CHAM slop. SS male playing SS songs/light rock, many mentions of 'La Fabulosa', 'Domingo', and 'Dominicana', 0631 spot as 'Música mas impacto! La Fabulosa! Música Domingo!'. New. [Funkenhauser-ON]
- 840 CUBA CMHW Santa Clara, NOV 11 0430 - Latin music prog interspersed with brief announcements. On the hour, gave ID as "Esta es Dóbleve, Santa Clara en centro de Cuba. Back to music.

- [Sgrulletta-NY]
- 870 COLOMBIA HJ SB CARACOL Barranquilla, NOV 18 0305-0314 - fair with SS male reading news bits, tango vocals, growling "RRRRRR" sounds and "Mar Caribe" between sslections, 0311 ID as "R. Mar Caribe! CARACOL! Colombia!" then "La Hora Nacional". [Funkenhauser-ON]
- 890 CUBA Radio Progreso, NOV 18 0258 - SS, very good with ballads, fanfare, ID on hour as ... "Radio Progreso. Havana Cuba". [Ross-ON]
- 910 VENEZUELA YVRQ Caracas, NOV 13 0307-0345 - with strong signal, play-by-play beisbol game, between the Caribes and the Tiburones. [Renfrew-NY] NOV 18 0327-0353 - fair in long fades. SS male playing adult SS vocals. No ID heard, and at 0352 as the song ended there was a brief jingle and abruptly, they aired the YV National Anthem, sung by a chorus. Gone at 0353. [Funkenhauser-ON]
- 910 COLOMBIA HJ MY RCN, Isla San Andres, OCT 28 0450 - poor at best. SS talk, mentions of RCN, then // programs heard on 770 and 1000 at 0454. Heard a couple of times this summer while at my cottage, though I didn't record it in my log book then. New. [Funkenhauser-ON] (I tried for this many times this month without a hint of RCN! - Jim)
- 920 MEXICO XEMJ, Piedras Negras, COAH, NOV 16 0300 - Legal ID with call, freq, power (1000 w). Very poor in QRM, but a newbie - 150th XE!! [Wilkins-CO1]
- 920.2 COLOMBIA HJ JN Ondas del Mayo Pasto, NOV 18 0224-0235 - poor and fadey. IDed only by frequency (slightly low of 920.2) with lots of SS talk. [Funkenhauser-ON] (Werner, Emisora Fuentes has been heard on 920.17 by Terry Krueger and myself, not HJ JN - Jim)
- 940 UNID unID Latin, NOV 8 0530-0601 - poor-fair at most w/co-channel Reloj & XEQ. SS male playing torchy tango vocals with brief talks to an 0558 fanfare or musical ad. 5 pips at 0559, more talk (a possible ID) in a fade. Might have been YVNN but sure didn't sound like the usual raunchy R. Punto Fijo Saturday night stuff. [Funkenhauser-ON]
- 1000 COLOMBIA RCN Cartagena, NOV 9 0456 - Apparent ads including one in Miami, time pips at 0458 then song by Chuck Mangione. [Sgrulletta-NY] NOV 18 0304 - SS, very good with man speaking SS, many ments of "Colombia", lots of "Banco Popular" ads. "En Colombia...El Mundo" woman with spot for "Noticias". Local time check. [Ross-ON]
- 1000 MEXICO XEFV Ciudad Juarez, Chihuahua, NOV 17 0357 - Ranchera music with station ID at top of hour. Fading under KOMO. [Robello-UT]
- 1000 DOMINICAN REPUBLIC HION R. Cadena de Noticias, Sto. Domingo, NOV 10 0543-0551 - fair-good. SS, many ads, many 'Cadena de Noticias' jingles and spots, but few 'noticias'. [Funkenhauser-ON]
- 1030.1 UNID unID Latin, NOV 19 0215-0300+ - very weak under/with 1030 HJ ER RCN Cali in a WBZ null. SS in long fades, male/female and male/male discussions, seemingly gospel with a couple of SS songs. Very difficult to hear as HJ ER aired 'futbol' (which was // on HJ AQ-1000), by the usual impassioned announcers The lcom only gives .1 kHz frequency resolution, but the PLAM detector clearly locked and stayed locked on this signal, which was just below 1030.1. Seemed off after 0300. [Funkenhauser-ON]
- 1110 COLOMBIA RCN Villavicencio, NOV 20 0319 - weak but parallel to RCN 1000 with sports coverage, including post-game interview with Oscar Cortéz, ad for Publicar, SA; new! A Venezuelan station could also be heard underneath this one with AST timechecks, some sports news about Venezuelan teams - probably R. Carúpano. [Renfrew-NY]
- 1130 COLOMBIA HJ AC Barranquilla, NOV 20 0358 - Sure did sound like "Radio K, Cadena Nacional" (which would be the Bogotá station), but they also mentioned "HJ AC" call letters before the Colombian anthem, so this one is Emisora Riomar. I believe they signed off at this time, which is one hour earlier than shown in the WRTH. [Renfrew-NY]
- 1130 VENEZUELA R. Ideal, Maiquetía, NOV 20 0700 - romantic music program, nice, clear ID and AST time check at the top of the hour as "Radio Ideal, très en punto", new! [Renfrew-NY]
- 1170 COLOMBIA HJ NW, CARACOL Cartagena, NOV 18 0250 - fair, // 5078. SS, "Hora Colombia" news program with "CARACOL" spots. [Funkenhauser-ON]
- 1410 MEXICO XECF, Los Mochis, SIN, NOV 10 0550 - XE banda music, "La Mexicana" slogans, call ID at 0601. Also heard "La Perla del Pacifico" mentioned, but might have been a song title, rather than a slogan. Chased this for 3 nights before finally ID'ing it, XE #148, SIN # 13. [Wilkins-CO]
- 1570 MEXICO XERE, Cd. Acuna (tentative): OCT 23 0502 - very poor with another SS station and other co-channel QRM . Caught the ending of and instrumental version of the XE National Anthem but lost to the clutter. [Funkenhauser-ON]

John speaks: "I've reached the 2 goals I set out to attain this season - 1400 total stations and 150 XE stations. Guess I can "retire" now."

Werner speaks: There were excellent auroral enhancement on NOV 8, 9, 10, 11. Conditions continued to be good, though much less, even until today. Also, the period several days before and several days after OCT 22 was quite productive. How sweet it is! After returning from all that DX in Newfoundland, it's been especially nice, because I was looking forward to a dry DX well in Ontario. In the month or so after my return, I've logged a bunch — Caribbean splits, Colombians, Cubans, Mexicans and Venezuelans aplenty. Most were re-logs, though many not heard in a while, and I even managed a few new ones. "

CONTRIBUTORS

- @Werner Funkenhauser, Guelph ON; Icom R71A equipped with Eska/Edvis PLAM detector, Kiwa Mediumwave Loop, MFJ 1025 used to phase dual 50 foot wires.
 @Jim Renfrew, Rochester NY; Drake R8, Radio West Loop.
 @Rocky S. Robello, Sandy UT; Sangean ATS-909 with no external antenna
 @Robert Ross, London ON; Collins HF-2050, 80 meter dipole, Homebuilt Loop
 @John Sgrulletta, NY; JRC NRD-515 with a 500 ft. long wire pointed N-S and A/D Sloper pointed SE/NW.
 @John Wilkins, Wheat Ridge CO; Drake R-8, 4-foot box loop. Also DXing at beverage site 20 miles NE of Denver; Drake R-8, 1600-foot SE-NW bev, Triscuits.

Professional Sports Networks

Barry S. Finkel bsfinkel@ANL.gov

10314 S. Oakley
Chicago, IL 60643-2409

Network listings for team sports stations

Here is some Continental Basketball Association (CBA) flagship information from <<www.cbahoops.com>> via Bob Pietsch. I still need more CBA information and NFL information. And there are still seven NFL network lists that I do not have. Please send me what you have or send me the web URLs. Thanks.

Connecticut Pride	1410	WPOP-CT	(Announcers unknown)
Idaho Stampede	670	KBOI-ID	(Announcers unknown)
Sioux Falls Skyforce	1140	KSOO-SD	Scott Johnson
Yakima Sun Kings	980	KJOX-WA	Mike Bastinelli
Yakima Sun Kings (SS)	1020	KYXE-WA	(Announcers unknown)

Here is some women's American Basketball League (ABL) flagship information from <<www.abl.com>> via Bob Pietsch. The announcers are not listed.

Colorado Xplosion	710	KNUS-CO
Nashville Noise	560	WNSR-TN
New England Blizzard	1360	WDRS-CT
Portland Power	1410	KBNP-OR
San Jose Lasers	1220	KBPA-CA
Seattle Reign	96.1	KXXO-WA



From NRC's DX Audio Service ...

'After Dark 8'

Now available, it includes "Airchecking As A Hobby" by Fred Vobbe; an interview with famed guitarist and pirate Les Paul by DXAS member Mark Durenberger; "The Internet for the Non-nethead" by Fred Vobbe; practical use of the Radio Shack 12-604; and much more. Two C-90 tapes in a cassette case, only \$5.00 postpaid to members in the United States.

Other areas, please write for pricing. Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.

Texaco Metropolitan Opera Network

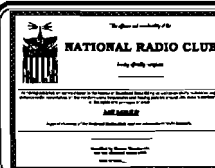
Here is the Texaco Metropolitan Opera International Radio Network for the 1998-1999 broadcast season. Most of the stations in the U.S. and Canada are FM; here are the AM stations. Some/all of the operas are also broadcast in Europe (both eastern & western) in 28 countries; the number of broadcasts varies by country. The broadcasts are also heard in Australia and New Zealand. In Canada, the broadcasts may be carried on some CBC English and French AM stations. The Saturday broadcasts run from November 28 through April 17; most begin at 1:30 PM ELT. This information comes from *Opera News* December, 1998; the network list is dated October 21, 1997. (via Barry Finkel)

540 XBAC-BC	930 KIUP-CO	WCMC-NJ	1420 WDBF-FL
550 KCRS-TX	WDLX-NC	1240 WSYW-ME	KULY-KS
660 KGDP-CA	940 WIPR-PR	WWZQ-MS	1430 KMRC-LA
690 KGGF-KS	1050 KTRJ-CA	1260 KBRH-LA	1450 WHDL-NY
790 KXXX-KS	1150 KWKY-IA	1270 WCBC-MD	1470 KYUU-KS
WLKW-RI	KVDL-TX	WCGC-NC	1490 WKVT-VT
860 WAMI-AB	1230 WSBB-FL	1290 WKNE-NH	1510 KANS-KS
900 KBIF-CA	WSSO-MS	WFBG-PA	1520 WTLN-FL
		1310 KGMT-NE	1540 WNWR-PA
		1340 WKOZ-MS	1550 WBFJ-NC
		WRHI-SC	KZRK-TX
		WJYI-WI	1560 WRIN-IN
		1370 KXTL-MT	1580 KESM-MO
		1400 KRVZ-AZ	1590 KEAS-TX

1260 AM WNDU CLASSIC HITS

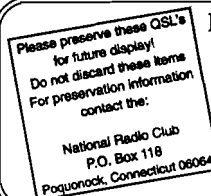
Promote the NRC and DX News and help us grow!

Planning to attend a DX or hobby gathering? Why not include *DX News* in your plans. Upon request, we'll send you a packet of up to 50 recent DXN's to be given free to attendees. Just send a postcard to NRC - P. O. Box 5711 - Topeka, KS 66605. Packets are sent by Fourth Class Printed Matter rate, so please allow 10-15 days for delivery. Help keep the NRC on the grow!



For NRC members only ... Membership certificate, \$1.00

Suitable for framing; red and blue print on white stock. Suitable for framing. Order item CERT from NRC Publications; NY orders, please add sales tax.



If you are interested in helping preserve the history of our hobby through preserving your collections, you should consider ordering a supply of these free 3-inch-square stickers to place on your veries, recordings, etc. Specify the number you need, and order from Ron Musco - P. O. Box 118 - Poquonock, CT 06064-0118. Include an SASE. Don't wait until it's too late - order now.

NRC Nighttime Antenna Pattern Book, 4th Edition

Get it now, it's the second half of the NRC's "Dynamic Duo" teamed with the *NRC AM Log*, the NPB provides DXers with up-to-date maps of all (except Class IV) stations with nighttime operations. Convenient to use, 3-hole punched for standard binders. Only \$16.95 to U.S. and Canadian members, \$22.95 to U.S. and Canadian non-NRC members. Airmail to members: to Latin America, \$21.00; Europe, \$24.00; rest of the world, \$28.00

Order from: NRC Publications - Box 164 - Mannsville, NY 13661 (NY residents, please add sales tax)