

DX News

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Volume 64, No. 2 - October 14, 1996 (ISSN 0737-1659)



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CPC Test Calendar

WAKK	MS	1140	Oct. 14	0130-0200
KAMA	TX	750	Oct. 19	0200-0230
WTPJ	GA	1330	Oct. 26	0000-0200
WHLY	IN	1580	Oct. 26	0600-0700
WWCN	FL	770	Nov. 3	0300-0400
WIMN	MN	1220	Nov. 4	0130-0200
WJCE	TN	680	Nov. 10	0100-0700
WWCN	FL	770	Nov. 10	0300-0400
CIGM	ON	790	Nov. 11	0100-0130
WWCN	FL	770	Nov. 17	0300-0400
KALM	MO	1290	Nov. 18	0100-0130
KKOJ	MN	1190	Nov. 18	0130-0200
WWCN	FL	770	Nov. 24	0300-0400

From the Publisher ... Apparently I have less faith in our printer's ability to reduce "smearing", as I could find only one little "smudge" caused by the defective printer toner cartridge in last week's DXN. I think I've fixed the problem, though, along with some other computer problems that have plagued me for some time, due to some on-line research and downloading of new printer software.

No AM Switch this week; Jerry's in North Carolina for a week and promises to catch us up in #3.

Ken Chatterton is shipping the NRC AM Log as fast as he possibly can, so be patient if you don't get yours three days after mailing the check. You should expect a waiting period of from 3-6 weeks, especially at this time of year, when orders are heavy.

Where are all the volunteers? We're still looking for a CPC chairman, and you may apply directly to Wayne Heinen (see back page for addresses).

We've added a new feature to DXN, beginning this week. "J. B.'s Brain Teaser" may be found at the bottom of page 12, with the answer somewhere following. We won't even tell you who J. B. is; instead, we'll give you clues: Who travels the country in search of station ID's ... wears a jacket embroidered with call letters of stations at which he worked, or veried, or hoped to own, or something like that ... can get WSUN on his toaster when he's at home ... records the DXAS "Travelog" ... and created the NRC quiz at Knoxville?

Take special note of various reporters' TA conditions; several stations have been noted booming in at 59+ levels way past the east coast and may be reaching as far inland as the midwest. Perhaps some of us may have a chance for our first TA this

season.

Publication ... Chris Cuomo sends notice of *The History of Broadcasting in Maine - The First Fifty Years*, a richly-illustrated 112-page 8.5x11-inch paperback published by and available from the Maine Association of Broadcasters - 128 State St. #301 - Augusta, ME 04330, for \$15.95 plus \$3.00 shipping and handling.

DXChange ... Bill Swiger - Rt. 1, Box 142A - Bridgeport, WV 26330, 304-842-4635 is looking for a Hammarlund HQ140X-HQ150 cabinet, knobs, and parts, either working or non-working, plus a John Leary-modified SP600. Just the thing to keep warm next to this winter, huh, Bill?

Welcome to these new members ... Josh Gaffin, New York, NY; Henry Fisher KE4FUO, Morrisville, NC; Dennis Petersen, Hartford, WI; R. Douglas Reid VE7TVT, Vernon, BC; Robert F. Sutherland, Waltham, MA; Russell B. Walker, Webster, TX; Gary R. D'Amico WB2ZAE, South Bound Brook, NJ; nephew Kevin J. D'Amico, Fairmount, WV; Guenter Daub KC6TWP, Redondo Beach, CA; Danny Taylor, Spartanburg, SC; Piet Pijpers, Rijn, The Netherlands; Dave Shelbrock KA8HUY, Saginaw, MI; Joseph M. Kurtz, Eden Prairie, MN; Jim Weber, Colton, CA; Jeff Kadet K1MOD, Macomb, IL (rejoins); and Steve Ratzlaff, East Palo Alto, CA. This issue will go out to around 820 addresses, a new all-time high for the NRC. Considering the recent unfortunate demise of RCMA, one of the largest ANARC clubs, the growth of the NRC is incredible. Thanks to each and all who have helped publicize our existence in any way; it's working, folks!

DX Time Machine

From the pages of DX News:

50 years ago ... from the October 12, 1946 DXN: On the morning of October 7, Ernie Cooper, Brooklyn, NY heard special hurricane broadcasts from WQAM, WIOD, WKAT, WTSP, WIRA, CMQ, CMHQ, CMKJ, CMJL, CMCK, and CMX.

25 years ago ... from the October 16, 1971 DXN: Volunteering to man the Flash Alert Service were Carl Junker and Fred Tankersley of Dayton, OH, who would pass along last-minute information about special tests on postcard.

10 years ago ... from the October 13, 1986 DXN: Hank Holbrook verified R. Norway Overseas Service-1314 Kvitsoy, for a July 13 reception which he said was the "first BCB QSL since the '60s" for him.

Domestic DX Digest

West: Bill Hale billhale@wazoo.com

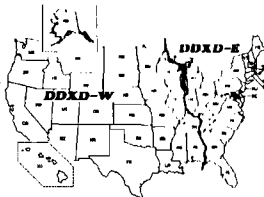
301 Boulder Bluff - San Marcos, TX 78666-8350

East: David Yocis dayocis@webspan.net

David Yocis - 97 Clinton Ave. - South Nyack, NY 10960

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

- A big welcome back to this column goes to Don Kaskey, who sent a great report from his San Francisco DX shack. It has been a while.
- Bruce Winkelman reports he found a topic in a rec.radio.amateur newsgroup that's intriguing. In a discussion of phased arrays for the ham bands, a ham in Texas noted that any metal mast within about 600 feet of his 80 meter phased array significantly altered the expected directional patterns the array generated. He went on to note that a budding industry within the AM radio engineering community advises on the effect of cellular telephone towers on a BCB station's directional array. According to this ham, it seems that the cellular towers are wreaking havoc on directional patterns of BCB stations when erected within a mile or so of the antenna towers. Wonder if any of the engineer types in the NRC have any knowledge or experience with this reported phenomenon. This might also be a potential explanation for any unexpected reception of a highly directional station. Comment?
- Robert says: The new Quantum Loop 2 is really great. I had originally purchased it to use with one of my back up receivers (currently not hooked up), but after trying it, it has become my primary antenna. It blows the Radio West loop totally out of the water with far better nulls & about 20db more gain. Compared to the KIWA Loop, the Quantum has slightly better nulls & about 7-10 db higher gain. Not bad for antenna costing \$150 less than the Kiwa.
- For about the past six months or so I have had the pleasure of using a database viewer program written by NRCer Neil Adams. It's designed to view data in the FCC's AM database which is available in their WWW Mass Media area. Use of the viewer proved invaluable in the preparation of the new NRC *Nighttime Antenna Pattern Manual*, as well as currently keeping up-to-date on FCC actions. The latest version of the viewer is available on CompuServe. Questions? Write to Neil at nsadams@ix.netcom.com or 71620.367@compuserve.com. And Thanks, Neil, for a great program!

REPORTERS

- DK-CA Don Kaskey San Francisco Equipment not reported
 TH-CA Tim Hall Chula Vista <MSNL77A@prodigy.com>
 BW-OK Bruce Winkelman, AA5CO Tulsa R8, 2-75' random wires, MWDX-5
 RK-IL Robert Kramer, N9MBK Chicago NRD-535Db, R-5000, Radio West Loop,
 Quantum Loop 2, Kiwa Loop, 175' N-S & 90' NE-SW wires, Super MWDX5 phasing
 unit, 40db pre-amp, Kantronics Signal Enforcer Peak/Notch filter, Timewave
 DSP-599zx digital signal processor <rkdx@aol.com>
 EC-CA Eric Cooper Mission Viejo Radio Shack DX-375
 JR-OK John Reed Ponca City Modified Sylvania R1414/URR + Noise reduced wire, Kiwa
 MW loop, ANC-4 phasing <jtreed@juno.com>
 SA-MB Shawn Axelrod Winnipeg ICOM R-70 w/filter mods and PLAM board + 4' box
 loop/Quantum Loop/100' lw <saxelrod@mb.sympatico.ca>
 Ed.-NM Editor Alamogordo Delco AM\$/FM\$ caradio

SPECIAL

- 690 KHEY TX El Paso - 9/29 - Switched to ABCs Real Country, ex:ABCs Oldies Radio.
 [Ed.-NM]
 880 WINU IL Highland - Per a mention in the rec.radio.broadcasting Usenet group, WINU
 is now all TLK effective 9/22/96 with G. Gordon Liddy, Bruce Williams and
 "play-by-play of Chicago's pro sports teams" (no details of which teams/
 sports). (BW-OK)
 940 WINZ FL Miami - Station is NEWS days and One-on-One Sports nights. Appears //
 WSRF-1580. (RK-IL)

- 1090 WKTE NC King - 9/19 2329 - Poor, in KAAV null, with gospel music and ID. Is
 supposed to be daytime only. (RK-IL)
 1210 WPTS PA Philadelphia - 9/15 2031 - Fair, with Phillies game, ID. Ex-WGMP. (RK-IL)
 1280 KRRF CO Denver - 9/28 0755 - Good, in CIFX null, with BBC programming and ID on
 the hour. Ex:KXKL. NEW. (SA-MB)
 1340 KJAZ CA Oroville - 9/18 1935-2101 - Generally atop QRM. New CLs/format: SS.
 Several La Zeta, Bonita La Zeta slogans noted. Ads in SS for Oroville and
 Chico. (DK-CA)
 1360 WAZU OH Cincinnati - 9/20 1920 - Fair, with ID. Ex: WAOZ. (RK-IL)
 1520 KTRO CA Port Hueneme - Has returned to the air with network/syndicated hot talk
 format (Ex: SS) and CNN News on the hour. The early morning show (6AM-
 9AM) is of local origination. (EC-CA)
 1580 WSRF FL Ft. Lauderdale - 9/28 0400 - Presumed the one, with One-on-One Sports and
 WINZ-940 ID. No 1580 ID. (RK-IL)
 1590 KXSP CA Ventura - 9/11 2300 - With ID in EE, atop KLIV. Format is SS talk and
 teletalk. (DK-CA)
 1630 KXBT CA Vallejo - Local here with powerful signal // 1190 days. Signal on 1190
 seems much stronger. 10 kW now? (DK-CA)

UNIDs and UNID HELP

- 1520 KACY(?) LA Lafayette(?) - 9/24 2203 - Radio Aahs, KID network. No ID, but mention of
 Lafayette was heard. Has this station changed its format? (JR-OK) [Yes, tis
 them. Although they do not appear on the Aahs WWW page yet, Internet
 reports indicate KACY is on their network - Ed.]



TIS & OTHER STUFF

- 790 KQOR CA Richmond - 9/10 1430 - National Weather Service test program. Weather for
 all of northern California. Weak, but audible. (DK-CA)
 840 WPX988 CA Belvedere - 9/10 1440 - City of Belvedere Emergency Advisory Radio
 System. Loop reports. Signal in very well over north and west San Francisco.
 (DK-CA)
 1610 TIS CA Berkeley - 9/10 1500 - With local info. City of Berkeley. Very weak in west
 San Francisco. (DK-CA)
 1620 WPJ551CA CASan Diego - The San Diego Convention Center TIS is now on a 24 hour
 NSP schedule. (TH-CA)
 TIS CA Santa Ana - 9/18 1200 - With test loop mentioning Highway Advisory Radio,
 but no call letters. Location given is 55 Freeway at Edinger. Owned by
 Caltrans. (EC-CA)

MIDNIGHT TO 0800 HOURS ELT

- 580 CKY MB Winnipeg - 9/29 0745 - IDing as All oldies all the time KY-58, playing oldies.
 (JR-OK)
 620 KTAR AZ Phoenix - 9/29 0759 - Fair signal, in CKCK null, with a clear KTAR ID.
 NEW. (SA-MB)
 630 KHIT NV Reno - 9/14 0215 - ID as Renos Real Country, K-Hit then C&W music.
 (DK-CA)
 840 KSWB OR Seaside - 9/17 0609 - Atop KVEG with C&W music. (DK-CA)
 920 WKRT NY Cortland - 9/22 0600 - Poor, under WIRD, with ID. (RK-IL)
 WIRD NY Lake Placid - 9/22 0600 - Fair, with full ID. This one gets out good with low
 night power. (RK-IL)
 930 KKHJ CA Los Angeles - 9/19 0200 - ID as Radio Allegria and KHJ. SS talk and music.
 Atop nicely. (DK-CA)
 1200 CKXM BC Victoria - 9/11 0129 - Fair-to-good with C&W music + ID. (DK-CA)
 1230 KBOV CA Bishop - 9/19 0140 - Above the pack with ads, oldies and ID. (DK-CA)
 1240 KSUE CA Susanville - 9/12 0146 - Atop, with weather, ID, rock. (DK-CA)
 1290 KNSN CA Chico - 9/12 0130 - With ID as Newstalk 1060 KPAY and 1290 KNSN, Chico.
 Solid signal. (DK-CA)
 1330 KWKW CA Los Angeles - 9/12 0002 - With ID in EE in middle of baseball game in SS.
 Over QRM. (DK-CA)
 KLBS CA Los Banos - 9/14 0102 - With EE sign-off (return at 0600 local) and
 instrumental SSB. (DK-CA)

1340 KVOY CA Mojave - 9/13 0139 - With ID, atop all. (DK-CA)
 KTIK ID Nampa - 9/11 0100 - ID as Sports Radio 1340, KTIK Nampa. Noted above QRM at 0058 with local ads. News at 0100 after ID. (DK-CA)
 KRLV NV Las Vegas - 9/12 0100-0115 - Through hash, with sports, Las Vegas ads and ID at 0115. Also on 9/14 at 0100 with NBC chimes and ID, then NBC News. (DK-CA)
 1460 WKRP IN North Vernon - 9/28 0409 - Fair, with NOS music and ID. (RK-IL)
 1590 WZRZ MS Jackson - 9/26 0735 - Gospel music with ID. (JR-OK)

0800 TO 1600 HOURS ELT

620 KTAR AZ Phoenix - 9/17 0806 - Bubbled up with nice call ID, time check into weather, then covered by unID SS station. Also noted on 9/25 at 0808 mixing with the jumble. (BW-OK)
 CKCK SK Regina - 9/29 0805 - Playing oldies with Canadian news. (JR-OK)
 660 KSKY TX Balch Springs - 9/18 1245 - Noted with Christian 66 and K-Sky slogans into Dallas-Fort Worth weather. (BW-OK)
 840 KVJY TX Pharr - 9/27 0829 - With ID, including cities of Pharr, Mc Allen and Harlingen. Into Paul Harvey News, then faded out. New here, and a surprise under usual KVEG. [Ed.-NM]
 1120 KZSJ CA San Martin - 9/18 1500 - ID in EE: KZSJ San Martin -Santa Clara-San Jose, Radio Zeta. SS music and ads. (DK-CA)
 1340 KXEQ NV Reno - 9/14 0900 - With SS music, ID in EE. Under KRLV. (DK-CA)

1600 TO 2400 HOURS ELT

670 KWXI AR Glenwood - 9/24 2349 - With religious program, AM-FM dual ID at 2350. NRC log sez D1 5000 with no mention of nite power. Did I miss something in AM Switch or did they forget to turn off the AM Switch?! (BW-OK) [Most likely the latter. They have NO nighttime authorization, and the way I see it they their sign-off time for September should be 7:15 PM local. With 5 kw ND, Ill bet they were heard well into WMAQ-land. Another case of deregulation and industry/governmental complacency rearing its ugly head! Editorial button to OFF - Ed.]
 All Day Country
 1150 KMXN CA Santa Rosa - 9/17 1800 - ID after program of SS music. ID in EE, then more SS music. Weak, but steady, signal. (DK-CA)
 1220 KBET CA Santa Clarita - 9/19 2234 - Solid, atop with local ads. (DK-CA)
 1230 KGEO CA Bakersfield - 9/19 2226 - ID as Your sports monster - KGEO. (DK-CA)
 1240 KJOP CA Lemoore - 9/19 2232 - ID in EE during SS music. (DK-CA)
 1260 KFGQ IA Boone - 9/22 2050-2100 - Preaching then sign off at 2100. (JR-OK)
 KWYR SD Winner - 9/22 2100 - ID with news. Weak & fading, only heard after KFGQ signed off. (JR-OK)
 1270 KWEB MN Rochester - 9/22 2050 - Football game, Eagles vs. Falcons. (JR-OK)
 1340 KKTR CA Fresno - 9/18 2135 - With ID, after ads, during break in talk show. (DK-CA)
 KGLW CA San Luis Obispo - 9/18 2200 - With ID. Over/under KKTR/KJAZ. Soon gone. (DK-CA)
 1390 KCDR CA Turlock - 9/17 2000-2100 - SS music hits, ID at 2104 as KCDR Turlock, KWG Stockton. (DK-CA)
 1510 KFNN AZ Mesa - 9/11 2151 - ID after business ads, then back to Focus. Atop all, with good signal past 2155. (DK-CA)
 1520 KTRO CA Port Hueneme - 9/11 2230 - Over/under KOMA with news. (DK-CA)
 1540 KXMG CA Los Angeles - 9/11 2159 - Solid, atop with ID and SS music. (DK-CA)

Bde-ah, bde-ah, bde-ah. Thats all Folks!

ABBREVIATIONS USED IN DDXD

/ / : parallel to :00: on the hour AC: Adult contemporary AP: Associated Press BBD: big band C&W: country & western CCR: contemporary Christian radio CHR: contemporary hit radio CID: code ID CL: call letter EZL: easy listening EE: English FF: French GOS: gospel LSR: local sunrise LSS: local sunset NHL: National Hockey League NPR: National Public Radio OC: open carrier PRI: Public Radio International PSRA: pre-sunrise authority PSSA: post-sunset authority QRM: man-made interference QRN: natural interference QTH: location PRI: Public Radio International REL: religious ROK: rock 'n' roll RS: regular schedule \$: stereo SID: singing ID SRS: sunrise skip SS: Spanish

SSB: Star Spangled Banner SSS: sunset skip TC: time check TT: test tones UC: urban contemporary UPI: United Press International VID: voice ID

DDXD-East



Deadlines: Weekly on Tuesdays.

STATION NEWS

1350 WGPL VA Portsmouth - 9/5 1403 - GOS music, "1350 WGPL, Portsmouth- Norfolk, your Gospel ...," ex-WSVY, etc. (DB-DE)
 1390 WZHF VA Arlington - 8/30 2330 - "Washington's news and business ... WZHF," into CNN Headline News, ex-WMZQ. (DB-DE)
 1490 WXRE VA Hampton - 8/30 1159 - Ex-WOJY, noted with new calls, contemporary Christian music, ID "... Hampton-Norfolk-Virginia Beach ... Gospel music." Is the dominant station on 1490 here with WUSS off. (DB-DE)
 +
 1600 WKEN DE Dover - Per local newspapers, station was bought by a local couple who are now programming live AM and PM drivetime shows, remainder of programming remains satellite oldies. Orioles baseball also seems to be gone for now. Articles in August said they were looking for new calls, wanted WQYQ or WQCQ, but as of 9/22 still using WKEN. (DB-DE)

UNID and UNID HELP

640 UNID - ----- 8/31 0305 - With about five others, with "The Fan" and "One on One Sports." WMFN, or GA? (JK-VA)
 810 WCYK VA Crozet - This is my unID from DDXD no. 63-30. (JK-VA)
 900 UNID - ----- 9/28 1830 - Classic Country satellite program, maybe a countdown or special weekend program, local break but faded before anything IDable heard, briefly over CHML, WMVU. (DY-NY)
 1090 UNID - ----- 9/16 2301 - Someone with UPI news under WBAL in as much of a null as I could manage. (DB-DE)
 1140 UNID - ----- 9/8 0120-0302 - Faint in WRVA null, looping SW, with TLK, and "Rejoin Dennis' guest, Jackie Mason," interview with Jackie Mason, ads for a Jewish publication, "News from Israel," "UPI financial desk" mentions, "casino discussions," mention of the "president of the casino," "People's Radio Network," discussion of the "archeological dig/America's Montage," "UPI Radio News," etc. (JK-VA)
 1230 UNID - ----- 8/28 2255 - Someone with Red Sox baseball game from the West Coast, also noted previous evening at 2300. (DB-DE) [Several stations listed, WERI-RI most likely. - DY]
 1400 UNID - ----- 0/24 2348 - Brief audio: "... county newsradio, hometown information around the clock at AM 1340 and AM 1400 ..." Is this WFTL-FL simulcasting WPBR? (RWT-MA)
 1430 WMYS IN Indianapolis - I'd bet this is WM-MD's unID in DDXD no. 63-30; Gladys Knight and the Pips also qualifies as NOS/OLD. WMYS is the dominant station on 1430 here. (JK-VA)
 1580 UNID - ----- 9/22 2221+ - One on One Sports talk show. (DB-DE)

LOGGINGS: 0000-0800

540 CBK SK Regina - 9/7 0054-0106 - In very loud XEWA null (XEWA was cutting in and out with transmitter work) with classical music, Canadian weather forecast in EE, what sounded like 22 degrees C., and an ID which sounded like "CBK Radio 540." Looped NW/W, could have been "CBC-540" or "CBT-540" but I doubt it. I don't think CBEF IDs in EE; was not WWCS. CBK used to be a frequent visitor up in western NY. Good conditions to the west at this time. (JK-VA) [CBT would have been on CBC Overnight programming at this time; CBK sounds good to me. - DY]
 820 WNYC NY New York - 9/12 0100 - With CLA and WNYC IDs, under and over CHAM, WBAP. New here; used to be an "all day" regular in western NY on former 830 kHz 1 kW channel. (JK-VA)

- 860 WSON KY Henderson - 9/12 0230 - Doing well in CJBC null, with 500 watts and EZL, ID "... on WSON." (JK-VA)
- 970 WINF VA Waynesboro - 9/15 0041 - "News radio 970 WINF," under/over usual "3WS". Looks like some channel/format switches have occurred in Charlottesville-Staunton-Waynesboro a while back? (JK-VA) [Yep. - DY]
- 990 WNRV VA Narrows - 9/8 0038-0042 - On top of channel (day power?) with C&W and "It's a listener's choice weekend," // FM. (JK-VA)
- 1080 WHKW KY Louisville - 8/24 0059 - Very loud over WTIC, with C&W and what sounded like "Real Country KJ 1080." Didn't sound't like "HK". (JK-VA)
- 1160 KSL UT Salt Lake City - 9/7 0208 - Fair, over/under WJJD, with C&W and "The Road Gang," "I'd like to say nello to KSL-1160 who just switched in the big switch..." (JK-VA)
- 1310 CIWW ON Ottawa - Tentative 9/15 0117 - With OLD and "Playing one oldie after another, we are good time oldies 1310." Tentative as there is now a U.S. Good Time Oldies service out West. If CIWW, new in VA. (JK-VA) [That's a very common CIWW ID, and usually the best ID you can get out of them. - DY]
- 1400 WWIN MD Baltimore - 9/15 0140 - In with UC and "The night flight on WWIN." (JK-VA)
- WRAC PA Williamsport - 9/23 0605 - News on the hour, ID. (WM-MD)
- 1500 WLQV MI Detroit - 9/20 0015 - Tentative reception, REL programming during WTOP silent period, under/over SS unID "Radio AE," who probably is XEAL. (JK-VA)

WROD
1340 AM

THE "MUSIC OF YOUR LIFE"

LOGGINGS - 0800-1600

- 1550 WVAB VA Virginia Beach - 9/1 1547 - "Bloomberg Business Radio," mention of World Wide Web. Afternoon skip. (JK-VA)
- 1600 WFOG VA Chesapeake - 9/1 1552 - "92.9 FM, Today's Fog," skywave signal. (JK-VA)

LOGGINGS: 1600-2400

- 540 WWCS PA Canonsburg - 9/7 2354 - Under/over WQTM/XEWA, with EBS test, then "The sounds of our world, the station of the nations, ... WWCS AM 540 stereo." (JK-VA)
- 590 WKZO MI Kalamazoo - 9/21 2214 - Expecting the usual WOW, WBNW, instead heard strong baseball, Detroit Tigers vs. Milwaukee Brewers, and "... on AM 590 WKZO." New here. (JK-VA)
- 630 WIRC NC Hickory - 9/21 2251 - Talk, ID. (JK-VA)
- 640 CHOG ON Richmond Hill - 9/27 2006 - Presumed with Toronto Maple Leafs exhibition hockey vs. Florida // CHML-900, Toronto ads, fair with WNNZ, WHLO. If them, new. (DY-NY)
- 820 WQIX NY Horseheads - 9/21 2257 - Up briefly with C&W and mentions of Elmira, WQIX, etc. First time here on 850 watts; QSLed with past DX test. Strange reception, due to the null this way. (JK-VA)
- 830 WCRN MA Worcester - 9/25 1900 - Poor under CFJR with ID for "830 WCRN Worcester," also mentioned WROL and, I think, WACE. (MS-ON) [WACE is right. - DY]
- 900 CJBR PQ Rimouski - 9/6 2212 - Good in CHML null with Radio Canada ID in FF, program announcements, instrumental music, (brief) sports talk mentioning World Cup of Hockey, Montreal Expos, and tennis players Monica Seles and Steffie Graff. (MS-ON)
- 930 WFMD MD Frederick - 9/7 2255-2300 - Good with "Maryland football on WFMD, AM 930 WFMD." New here. (JK-VA)
- WBEN NY Buffalo - 9/21 2230 - With Amherst Skin Center commercial, WBEN mentions, rare here. (JK-VA)
- WLLL VA Lynchburg - 9/1 1634 - With current events, using new transmitter site. New here. (JK-VA)
- 950 WXGI VA Richmond - 9/5 2100 - Fair mixed with WWJ, country music, ID "WXGI Richmond". (MS-ON)
- 970 WWSW PA Pittsburgh - 9/21 2325 - OLD, "Saturday night oldies party - 3WS". (JK-VA)
- 1000 WDJL AL Huntsville - 9/21 1958 - Sign-off: "... WDJL is Huntsville's most powerful radio station ... broadcasting with 10,000 watts of power ..." (JK-VA)
- 1010 WPMH VA Portsmouth - 9/1 1626 - TLK/REL, new. (JK-VA)
- 1030 WSFZ TN Memphis - 8/21 2255 - With "One on One Sports," new with these calls,

- format. (JK-VA)
- WQSE TN White Bluff - 8/21 2230-2235 - With C&W under/over WBZ, and "... back to back favorites on 1030 WQSE." (JK-VA)
- 1100 WTAM OH Cleveland - 9/21 2005 - New "old" calls, with "WTAM 1100, Cleveland's only news radio," then ESPN. (JK-VA)
- 1230 WENY NY Elmira - 9/10 2259 - ID popped up "You're listening to ... WENY, Elmira, New York, NBC news is next," which it was. (DB-DE)
- 1240 WJTN NY Jamestown - 9/9 2245 - CBS Monday Night Football halftime report, local ID during ad break included "WJTN, Jamestown." (DB-DE)
- 1290 WHKY NC Hickory - 8/21 2151 - In with TLK, IDs. (JK-VA)
- 1300 WJFK MD Baltimore - 9/20 2011 - Good, with "Baltimore's super station, WJFK." (JK-VA)
- 1340 WHAP VA Hopewell - 9/1 1604 - In with MRN Network Racing over two others. New. (JK-VA)
- 1360 WAOZ OH Cincinnati - 8/21 2242 - In with REL, "Brother Stair," what happened to R. Aahs? Have heard promo for this program on WSAI, claiming that WAOZ's skywave signal is good in many areas for Brother Stair's listeners. (JK-VA)
- 1370 WMJT WV Moundsville - 9/25 2100 - Fair with ID as "AM 1370 WMJT," news, previously logged in 1993 as WZAO. Still on 5 kW day power at this time? (MS-ON)
- 1400 WPCE VA Portsmouth - 9/1 1600 - REL, ID. New; early skywave. (JK-VA)
- + 9/24 1855-1900 - Black preacher, PSA, Gospel music, ID. (WM-MD)
- 1410 WDOV DE Dover - 9/19 2000 - Fair with news promo, ID as "WDOV Dover, a (?) Communications Company." New, DE #2 here. (MS-ON)
- WELM NY Elmira - 9/25 1852 - Good with WELM ID, "Prime Sports," with talk on college football. (MS-ON)
- 1420 WVOT NC Wilson - 9/1 1648 - With BBD over/under WKCW. (JK-VA)
- WKCW VA Warrenton - 9/1 1656 - With Virginia News Network, "WKCW" ID, then C&W. New. (JK-VA)
- 1490 WNTJ PA Johnstown - 9/24 1930 - Promo for program, "News Talk 1490," ID. (WM-MD)
- 1530 WMBT PA Shenandoah - 9/7 2220 - Mostly over WSAI, with OLD, "Oldies 1530 WMBT, Saturday Night at the Oldies." Way past sign-off time. (JK-VA)
- 1570 WKDB MD Towson - 9/1 1639 - Fair/good with R. Aahs programming, new here. (JK-VA)
- 1590 WZRX MS Jackson - 9/21 1948 - Good with call ID, GOS music. WAKR normally dominant here at night. (MB-IN)
- 1600 WOHZ WV Wheeling - 9/7 2308 - Very loud (day power?) with R. Aahs programming, stronger than WJDM-1660. (JK-VA)

REPORTERS

- | | | |
|--------|-----------------|----------------------------------------|
| DB-DE | Dave Braun | Wyoming DE - R5000, Quantum loop |
| MB-IN | Mark Burns | Terre Haute IN - R8, Kiwa loop, 80' LW |
| JK-VA | Jeff Kitze | Jarrat VA - GE Superadio II, barefoot |
| WM-MD | William McGuire | Cheverly MD - DX380 |
| MS-ON | Morris Sorensen | Scarborough ON - HQ-150, DA-9, RF-B65 |
| RWT-MA | Rick Turner | North Dartmouth MA - |
| DY-NY | David Yocis | South Nyack NY - R71A, Kiwa loop |



The NRC AM Radio Log, 17th Edition, compiled from members' reports and from official sources so that it is the most accurate listing of AM stations on the market. Cross-referenced, 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)

8
International Jim Renfrew jimRenfrew@delphi.com
DX Digest 61 Wilcox Street
Rochester, NY 14607-3832

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

A short version of the column this week. I had to go down to North Carolina for a few days to pick up a car from my parents, and not much time for IDXD.

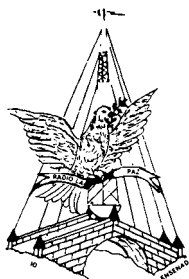
Jim

TRANS-ATLANTIC DX

- 549 ALGERIA Les Trembles, SEP 29 0235-0248 - Loud and clear with AA vocals accompanied by violins, flutes and drums. No fading and no problem from domestics on 550. Also heard SEP 22, 28 and 30. [DeLorenzo-MA] (Marc, I believe CFNB-550 is now off - Jim)
- 585 SPAIN Madrid, SEP 13 0101-0106 - Strong with news in SS by alternating man and woman through WBNW-590 splatter. [DeLorenzo-MA]
- 594 SAUDI ARABIA Duba SEP 20 0257+ - what sounded like IS, 0258:30 man in AA, 0301 Koran, 0309 over S9 still with Koran and // 1521. Assume this earlier at 0245 very strong with TT. [Merriman-VA]
- 612 MOROCCO, Sebaa-Aioun, SEP 28 0023-0031 - Good with ME flute music and man in AA. Also heard SEP 13 and 25. [DeLorenzo-MA]
- 684 SPAIN (t), SEP 17 0400-0417 - noted carrier here, faded up to audio at 0404 in what sounded like Spanish from the cadence, brief fade 0406, back with woman talk 0407, rapid fade 0415 in vocal music, gone completely by 0417. Spain-Oklahoma path in full darkness but WRTH-96 lists a 2,000 KW stn in (former) Yugoslavia that would be at the SR terminator at this time for some enhancement. Heard weak hets on 1134 and 1314 earlier this same evening between 0225-0235 but no audio. Periodic check of this frequency this past week between 01-04Z has drawn blanks except SEP 25 0252 noted a very weak het here. Hope this is a sign of more TAs later this fall! [Winkelman-OK] SEP 29 0341 - in very strong for about 15 minutes, with what sounded like musicals or operettas. [Renfrew-NY]

765 SWITZERLAND Sottens (t), SEP 27 2350-0006 - No doubt the TA here with classical piano music. Signal fairly good, but faded at the top of the hour so I could not ID language. [DeLorenzo-MA]

774 EGYPT (?) Abis, SEP 20 0102 - possibly this with AA music way over everything. Morocco should have been off but the 819 & 864 Egyptians were weak and nothing but Spain on 1107. [Merriman-VA]



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Afiliada a Caracol

Pbro. ABRAHAM CASTELBLANCO V.
Gerente

NUOVA DIRECCION: CALLE 5 No 5-6
TELEFONO : 850 - 075

- 1053 UNITED KINGDOM Talk Radio synchros, SEP 27 2306-2343 - Fair with EE teletalk despite considerable splatter from WEVD-1050. Middle Eastern music noted underneath briefly at 2342, Morocco? [DeLorenzo-MA]
- 1359 SPAIN RNE Arganda Sept 20 0340+ - man/woman in SS, good, easily split off from 1360 domestics and // RNE Home Service. [Merriman-VA]
- 1548 KUWAIT VOA Sept 20 0230+ - booming signal, man in EE with news items about - what else? - Iraq. Fully readable for about 3 minutes to fade. My DX Edge says this is right at Kuwait sunrise. Probably also this at 2300 on SEP 19 but not nearly as good. Another easy country! [Merriman-VA]

PAN AMERICAN DX

- 530 TURKS & CAICOS IS. RVC, SEP 29 0415 - Usual loud and clear signal with Christian program in SS; runs a nice EE ID at top of hour mentioning WWRV-1330. [DeLorenzo-MA]
- 650 MEXICO XETNT SEP 25 1159-1206 - strong with ID "X-E-T-N-T" at a nice pace for my level of Spanish comprehension(!), R. Seis y Cinco ID with mentions of Los Mochis into presumed ads. [Winkelman-OK]

- 760 MEXICO XEABC SEP 27 1149-1155 - SS on top with many mentions of Mexico, rapid SS talk by woman 1150, ID "A-B-C Radio" by man, strong. [Winkelman-OK]
- 840 ST. LUCIA Castries, SEP 2 1950 - Strong at first but much weaker later. First time logged. Reggae-type music. Deep voices DJ. ID noted as "Radio Caribbean International". Came in better before it got dark. Note: Hurricane Edouard was just passing by our area, and Hurricane Fran was down there. Maybe this heled? [Wylie-RI]
- 1000 MEXICO R. Mil, México DF, OCT 3 0545 - Fair, with "Nucleo Radio Mil ... Radio Mil Que Buena" ID. [Renfrew*NC]

TRANS-PACIFIC DX

- 774 AUSTRALIA 3LO Melbourne in all summer but not as good as 4QD and 2QN. Most recently noted with man at 1050 on SEP 8. Produced audio during summer on JUN 19 and 28, AUG 20 and 22. [Moore-FL]
- 1017 TONGA/AUSTRALIA? A3Z and 2KY presumed ones producing SAH many days. Audio noted AUG 3, 12 and 13 just before LSR (local sunrise). Not strong enough to make out words, but sounded like Aussie rather than Tonga. [Moore-FL]
- 1386 NEW ZEALAND R. Tarana, Auckland, assumed. Average of 15 bearings is 238.4 degrees, perfect for Auckland. Carrier first appeared on JUN 3, finally produced audio SEP 9 1030-1-35 with man and woman talking. Not strong enough to ID language or accent. Other assumed ZL's on 1035 and 1566 with weak audio and strong carriers on 756, 783 and 1026. [Moore-FL]
- 1512 AUSTRALIA 2RN Newcastle produced audio SEP 12 and 13 during the hour before LSR. [Moore-FL]
- 1548 AUSTRALIA 4QD Emerald has been the strongest and most consistent TP during the summer and early fall. Audio at good level on eight mornings between SEP 2 and 18. Usually talk, call-ins, some music from 1030-1100. News on the hour with financial news at 1105 ("Ordinary index up twelve points", "Ordinary index dropped"). On SEP 18 at 1033 had regional weather, "Longreach 36 degrees, Biola 30 degrees". [Moore-FL]

Ray speaks: "DU stations came through all summer again this year, but not much audio. Some mornings as many as 40-50 carriers audible. 4QD was the star performer, producing audio on JUN 23, 25, 26, 27, JUL 5, AUG 19, 27, 29, 31. 2RN had audio on JUN 3, 17, 25, JUL 2, 3, 7, AUG 8, 9, and 30."

STATION NEWS

RUSSIA: 1494 is Radiostation Yunost 0300-1600, Voice of Russia (foreign service) 1600-2200. [Igor Zhurkin in Grupo Medi DX #11]

UNIDS, ETC.

Re: 1566 SWITZERLAND, Burnell recently mentioned that Steve Whitt had heard French on this frequency and thought it might be Tunisia again. Whitt has e-mailed back that what he heard was a transmitter product from Luxembourg.

THE LATEST SOLAR WEATHER

Solar cycle 23: The first group (Sunspots - Jim) belonging to the new cycle was observed on August 12, 1995. Only a few other cycle 23 groups appeared in 1995 and there were no such groups in 1996 until May when two groups showed up. It is now believed that the solar flux minimum won't occur until late 1996 or early 1997 while the sunspot minimum was expected to occur during summer 1996 (note that cycle 22 and 23 groups are appearing at almost the same rate, however, cycle 22 regions are still in the majority). Due to the increasing number of sunspots over the last months, it seems likely that the sunspot minimum has already occurred, probably in April or May, although this won't be verified until the end of the year. [Jan Alvestad in Grupo Medi DX #11]

CONTRIBUTORS

- Marc DeLorenzo, Auburndale MA; JRC NRD-525, Quantum Loop.
@Alan Merriman, K4GLU, Chincoteague VA; Drake R8A, R8, 4 150' noise reduced slopers, DL-2 Phasing Unit, MWT-3S Regen Preselector, 2' homebrew air core loop, DSP-59+ Digital Audio Filter.
Jim Renfrew, Rochester NY; R8 with Radio West Loop; also DXing from Raleigh NC with Sony 2010 and Radio West Loop.
@Bruce Winkelman AA5CO Tulsa OK; R8, 2 75ft "longwires", MWDX-5.
William Wylie, Prudence Island RI; DX 390, built-in antenna.

PORTUGAL INFO

KHz/EMISOR/Tx SITE/POT/POWER/AREA DE COBERTURA/REGION.

0630 Montemor-o-Velho 100 kW Distritos de Coimbra-Leiria
 0630 Coimbra 50 kW Coimbra-Leiria.(Tx de reserva del primero)
 0630 Miranda do Douro 1 kW Concelho de Miranda do Douro
 0630 Chaves 1 kW Concelho de Chaves 0666 Braganga 1 kW Concelho de Braganga
 0666 CEN 135 kW Lisboa-Santarim-Setubal.(El transmisor d el CEN: Centro Emisor Nacional, esta en Castanheira do Ribatejo)
 0666 Covilhã 10 kW Covilhã y alrededores
 0666 Valenga 10 kW Valenga y alrededores.(Tx en la ciudad)
 0666 Vila Real 10 kW Vila Real y alrededores.
 0666 Viseu 10 kW Distrito de Viseu
 0720 Castelo Branco 10 kW Distrito de Castelo Branco
 0720 Elvas (Caia) 10 kW Concelho de Elvas y alrededores
 0720 Guarda 10 kW Distrito de Guarda. (Tx en la ciudad)
 0720 Miramar 100 kW Distritos de Aveiro-Braga-Porto y V.Castelo
 0720 Mirandela 10 kW Concelho de Mirandela y alrededores
 0720 Sta. Marmã 10 kW Distrito de Faro.(Tx en MeiaLigua)
 0756 Lamego 10 kW Concelho de Lamego.(Los domingos de 08:00 a 09:00 (HOP), emision del programa "Casa do Douro". Esta emisora fue antes: Radio Alt o Douro, RDP-3 y Radio Comercial.
 1287 Portalegre 1 kW Concelho de Portalegre
 (Carlos Gonalves + Jorge Garzsn in Grupo Medi DX #11)

AZORES

Lista completa actualizada de emisores de la RDP en estas Islas: Transmisiones las 24h.

KHz/EMISOR/Tx SITE POT/POWER AREA DE COBERTURA/REGION.

0693 Sta. Barbara 10 kW Isla de Terceira
 0828 Monte das Cruzes 1 kW Islas de Flores y Corvo
 0837 Pico da Barrosa 10 kW Isla de San Miguel
 1260 Espalamarca 1 kW Isla de Faial
 (Carlos Gonalves + Jorge Garzsn in Grupo Medi DX #11)

CANARY ISLANDS

Horario de emision local en R.N.E.-Radio 1 para las ISLAS CANARIAS:

Lunes a Viernes:
 de 05:55 a 06:00.
 de 06:55 a 07:00.
 de 08:05 a 08.10.
 de 11:10 a 12:00.
 de 13:05 a 14:00.
 de 15:05 a 15:10. Sabados-Domingos: de 11:10 a 12:00.
 de 15:05 a 15:10.

Nota: La emision local de las 13.05 a 14.00 se difunde sslo por la red de Onda Media, mientras que la red de FM permanece conectada al programa nacional. (Mauricio Molano, via e-mail, in Grupo Medi DX #11)



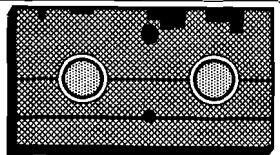
MADEIRA

Lista completa actualizada de emisores de la RDP en este archipelago: Transmisiones las 24h.

KHz/EMISOR/Tx SITE POT/POWER/AREA DE COBERTURA/REGION.

0531 Porto Santo 10 kW Isla de Porto Santo
 0603 Pico do Areeiro 10 kW Isla de Madeira
 1125 Ponta do Pargo 1 kW Zona Sudoeste de Madeira
 1332 Monte 1 kW Zona Sur de Madeira-Funchal
 (Carlos Gonalves + Jorge Garzsn in Grupo Medi DX #11)

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Professional Sports Networks

Barry S. Finkel bsfinkel@ANL.gov

10314 S. Oakley
 Chicago, IL 60643-2409

Network listings for team sports stations

Here is the network list for the **CBS Radio Major League Baseball games of the week.** I found it on the http://www.cbsradio.com site when I was looking for the CBS NFL network list. If I had known about it earlier, I would have included it earlier in the MLB season. CBS Radio will broadcast any tie-breaker games, and all post-season MLB games. The announcers listed on the web page are Jeff Torborg, Al Downing, Gary Cohen, Ernie Harwell, Vin Scully, Gene Elston, Jerry Coleman, Jim Hunter, Hal Bodley, Tommy Tighe, and John Rooney.

540 WRTM-FL	820 WNZE-FL	1110 KBND-OR	1310 WGH-VA	1440 WMAX-MI
560 KWTO-MO	850 WEAT-FL	1120 KMOX-MO	WIBA-WI	WRGM-OH
WHBQ-TN	WRUF-FL	1130 WSJP-KY	1320 WTCK-NC	WNFL-WI
567 KGUM-GU	870 KPRM-MN	WDFN-MI	KXOL-OK	WAJR-WV
570 KCNO-CA	WHCU-NY	WTRX-MI	WQET-PA	1450 WDNG-AL
WTEM-DC	KFLD-WA	KFAN-MN	WFHR-WI	WTKI-AL
WNAX-SD	900 WEAS-GA	1140 KHTK-CA	1330 KWLO-IA	WILM-DE
580 WGAC-GA	WCPA-PA	1150 WSPZ-AL	KGAK-NM	KIOV-ID
WIBW-KS	KKRT-WA	WTAW-TX	WFBC-SC	WAOV-IN
WTAG-MA	910 KBLG-MT	WHBY-WI	1340 KKTR-CA	WHTC-MI
WCHS-WV	WGBI-PA	1160 KSL-UT	KTIK-ID	WGNC-NC
590 KTHO-CA	WORD-SC	1170 KJOC-IA	WBRK-MA	KWBE-NE
KCSJ-CO	WJCW-TN	KPUG-WA	KCAP-MT	WKXL-NH
WKZO-MI	WRVH-VA	1180 WHAM-NY	KGFW-NE	KOBE-NM
KFNS-MO	920 KARN-AR	1190 KRDS-AZ	WENT-NY	WMAJ-PA
KUGN-OR	KVEC-CA	1200 WOAI-TX	KTOQ-SD	WPSE-PA
WLVA-VA	WMEL-FL	1210 WGMP-PA	KLKI-WA	KBKW-WA
600 KIIX-CO	WMOK-IL	KREW-WA	1350 KBID-CA	WDLB-WI
KROD-TX	WMPL-MI	1220 WKNR-OH	KRNT-IA	1460 KENO-NV
610 KDAL-MN	WMMN-WV	1230 KINO-AZ	WIOU-IN	WBNS-OH
WFNZ-NC	930 WNZS-FL	KXO-CA	1360 WWLG-MD	WACO-TX
WGIR-NH	WTAD-IL	WZNO-FL	WAOZ-OH	1470 KNTS-TX
620 KTAR-AZ	WSLI-MS	WHOP-KY	KUIK-OR	1480 WRDW-GA
WTRP-GA	WSEV-TN	WNTR-MD	WPPA-PA	KAUS-MN
WZON-ME	940 KIOA-IA	KTRF-MN	WVRQ-WI	KRAE-WY
WDNC-NC	950 KKFN-CO	KDIX-ND	1370 KPCO-CA	1490 KYCA-AZ
WHEN-NY	KWAT-SD	KSIX-TX	WSPD-OH	WDAN-IL
WTMJ-WI	960 WRFC-GA	1240 KJAA-AZ	WHEE-VA	WZOE-IL
630 WLAP-KY	KZIM-MO	KLOA-CA	1380 WABH-NY	WKBV-IN
WPRO-RI	WPMR-PA	WWNS-GA	WSYB-VT	WFKY-KY
640 WNNZ-MA	WFIR-VA	KICD-IA	1390 KRRZ-ND	KEZO-NE
WWLS-OK	WTCH-WI	WTAX-IL	WRTK-OH	KRNR-OR
660 WFAN-NY	970 KIAK-AK	KODY-NE	KCRC-OK	WLPA-PA
680 KNBR-CA	KNFO-CO	WBBW-OH	WXTC-SC	KLOG-WA
WCNN-GA	WAMD-MD	KCCR-SD	WKDR-VT	1520 WLUV-IL
690 WJOX-AL	WJIT-NC	1250 WGL-IN	1400 KTUC-AZ	KACY-LA
XTRA-BC	KTRW-WA	1260 WNDE-IN	WDWS-IL	KFXX-OR
700 KBYR-AK	980 KMBZ-KS	KKSA-TX	WBAT-IN	1560 KKAASD
710 KGNC-TX	990 KATD-CA	1270 KWEB-MN	KVOE-KS	1570 WKBH-WI
KURV-TX	WFNR-VA	WTIG-OH	KQDJ-ND	1590 WYNA-AL
KIRO-WA	WNRV-VA	1280 WSAT-NC	KCOW-NE	WSPL-FL
730 KWOA-MN	1000 WMVP-IL	WHTK-NY	KLIN-NE	WIFN-MI
WOHS-NC	WVWI-VI	KIT-WA	WOND-NJ	WBHN-NC
KULE-WA	1030 WBZ-MA	1290 KGVO-MT	WATW-WI	WCSL-NC
740 KCMC-TX	1050 WRNR-WV	1290 WATO-TN	WRDB-WI	1600 WKWF-FL
			WLAQ-GA	
			QKAM-KS	93.1 WMMN-WV

760	KGU-HI	WTKA-MI	WVOW-WV	WELM-NY	93.5	KKBN-CA
	KTKR-TX	WLON-NC	1300 KVOR-CO	WING-OH		WZRK-MI
790	WWKY-KY	1060 KPAY-CA	KGLO-IA	KQV-PA	98.3	WVIN-NY
	KFGO-ND	1070 WKOK-PA	WOOD-MI	1420 WRCG-GA	100.7	WBNK-VA
	WAEB-PA	1080 KRLD-TX	WQBK-NY	WBSM-MA	100.9	WOOX-PA
	WLKW-RI	1090 WBAL-MD	WXPX-PA	1430 WDAL-GA	103.5	WMTY-SC
	KUTA-UT	WMTY-SC	KVET-TX	KQLL-OK	104.3	KGAS-TX
800	WCHA-PA	1110 KAOI-HI	1310 WAYC-PA	WVAM-PA	105.5	WNSP-AL
810	WJJQ-WI	KFAB-NE	KTCK-TX	1440 KMLB-LA	107.7	WMDI-ME

Here are more NFL network lists. I still do not have a flagship listing, but here are network lists from media guides sent by Bob Galerstein. Many of these stations also broadcast the CBS Radio games. I have not marked them especially with footnotes, as most of the broadcasts do not conflict with the CBS Monday Night broadcasts. Please send me any lists you have. Thanks.

Baltimore Ravens 1996 Scott Garceau, Bruce Cunningham (network unknown)
1300 WJFK-MD * 101.9 WLIF-MD *

San Diego Chargers 1996 Lee Hamilton, Jim Laslavic (network unknown)
690 XTRW-BC * 1420 XEXX-BC *S

New England Patriots 1996 Gil Santos, Gino Cappelletti

550	WDEV-VT a	1160 WSKW-ME	1350 WINY-CT	1520 WGAM-MA	101.5	WBHG-DE
560	WHYN-MA	1220 WKBK-DE	1390 WKDR-VT		101.9	WCIB-MA
580	WTAG-MA	1230 WMOU-DE	1400 WLTN-DE	92.7	WKVT-VT	102.5 WQSS-ME
610	WGIR-DE	WERI-RI	WTSL-DE	93.5	WCFR-VT	104.1 WBCN-MA*
620	WZON-ME a	1240 WBSM-MA	WHMP-MA	93.7	WZMX-CT	107.7 WMDI-ME
790	WLKW-RI	WOON-RI	1420 WBEC-MA	95.3	WCQL-DE	
910	WNEZ-CT	1280 WEIM-MA	1440 WLPZ-ME	96.1	WDEV-VT a	
940	WINE-CT	1300 WQBK-NY f	1480 WSAR-MA	97.7	WINQ-MA	
980	WSUB-CT	1340 WSTJ-VT	1490 WIKE-VT	99.3	WHMP-MA	

Miami Dolphins 1996

540	WWZN-FL	1130 WWBF-FL	1240 WINK-FL	1410 WQBQ-FL	98.1	WQHL-FL
610	WIOD-FL *	1150 WNDL-FL	1270 WNOG-FL	1450 WSTU-FL	106.9	WZZS-FL g
620	WSUN-FL	1210 WCMQ-FL *S	1300 WWFG-FL	1530 WENG-FL g	MiaDolphinsSS	
850	WRUF-FL	1230 WJNO-FL	1320 WAMR-FL	1600 WKWF-FL		
930	WNZS-FL	WZNO-FL	1350 WMYM-FL			
960	WJCM-FL	1240 WFOY-FL	1400 WIRA-FL	93.5	WBGF-FL	

Jacksonville Jaguars 1996 Brian Sexton, Matt Robinson

690	WOKV-FL *	1050 WWIC-AL	1590 WPSL-FL	98.1	WWSF-FL	105.5 WIFO-GA
820	WZTM-FL	1260 WIYD-FL		101.3	WFEZ-FL	106.1 WFXH-GA
850	WCUG-GA	1270 WNLS-FL	92.1 WJXR-FL	102.5	WBGA-GA	106.3 WTUF-GA
920	WMEL-FL d	1290 WDLF-FL	94.3 WIZB-AL	103.5	WJAD-GA	106.7 WOKA-GA
940	WMAZ-GA	1330 WMLT-GA	WNFB-FL	105.3	WSTI-GA	
970	WVOP-GA	1570 WQAI-FL	96.5 WHTQ-FL	105.5	WJQR-FL	

Cincinnati Bengals 1996 Paul Keels, Dave Lapham

550	WCKY-OH *	990 WJEH-OH	1390 WMPO-OH	1510 WVAC-OH	96.7	WCSM-OH
610	WTVN-OH	WTIG-OH	1410 WING-OH	1520 WQCT-OH	100.9	WXIZ-OH
630	WLAP-KY	1150 WIMA-OH	1440 WRGM-OH	1560 WTNB-OH	102.3	WSWO-OH
680	WCIT-KY	1220 WNKR-OH	1490 WKVB-IN	1570 WANR-OH	102.9	WING-OH
700	WLW-OH *	1230 WHIR-KY	WFKY-KY	1600 WBLY-OH		
930	WVRC-WV	1240 WHIZ-OH	WBEX-OH			
940	WGRP-PA	1330 WFIN-OH	WMOA-OH	95.3	WKTN-OH	
970	WATH-OH	1350 WCSM-OH	WMRN-OH	95.9	WKID-IN	



J. B.'s Brain Teaser: It is now legal for a broadcasting station to transmit an unassigned set of call letters as part of its slogan

True False

Denver Broncos 1996 Larry Zimmer, Dave Logan

550	KRAI-CO	960 KNEB-NE	1290 KOWB-WY	1450 KGRE-CO	98.3	KSEC-CO
570	KGRT-NM	970 KDWG-MT	1300 KVOR-CO	KMMT-MT	99.1	KMTS-CO
580	KUBC-CO	1010 KSIR-CO	1310 KFKA-CO	KVCK-MT	99.7	KOGA-NE
	KZMB-SD	1030 KBUF-KS	1330 KOVE-WY	KBFS-SD	99.9	KEKB-CO
590	KCSJ-CO	KTWO-WY	1340 KVRH-CO	KSGI-UT	100.5	KRSJ-CO
600	KIIX-CO	1230 WHDN-MT	KTIK-ID	1460 KKPR-NE	101.7	KYCN-WY
610	KCSR-NE	1240 KWIK-ID	KWOR-WY	1470 KKTY-WY	102.1	KTRT-OK
	KVNU-UT	KASL-WY	1380 KOTA-SD	1590 KVOW-WY	102.3	KSPK-CO
730	KLOE-KS	KEVA-WY	1390 KENN-NM		104.5	KSIT-CO
790	KGHL-MT	KFBC-WY	1400 KBZZ-CO	92.3	KVRH-CO	104.7 KNNG-CO
810	KRGS-CO	KRAL-WY	KXGN-MT	92.7	KVCK-MT	106.1 KNFO-CO
850	KOA-CO *	KTHE-WY	KCOW-NE	93.5	KALQ-CO	106.3 KDNR-NM
880	KRVN-WY	1250 KIKC-MT	KBJM-SD	93.7	KRTN-NM	107.1 KSIR-CO
930	KROE-WY	1270 KTRT-OK	KODY-WY	93.9	KYSL-CO	
950	KMER-WY	KIML-WY	1410 KOOQ-NE	97.3	KKJQ-KS	

Tampa Bay Buccaneers 1996 Gene Deckerhoff, David Logan

740	WINZ-FL	1250 WQHL-FL	1430 WLKF-FL	1530 WENG-FL g	97.7	WRRX-FL
790	WLBE-FL	1330 WJNX-FL	1450 WTAL-FL		99.5	WQYK-FL *
920	WMEL-FL d	1380 WELE-FL	WWJB-FL	92.1	WCTQ-FL	106.9 WZZS-FL g
1010	WQYK-FL *	1420 WBRD-FL	1460 WZNZ-FL	95.3	WXCV-FL	

Minnesota Vikings 1996 Dan Rowe

570	WNAX-SD	1190 KMFJ-MN	1340 KDLM-MN	1570 WKBH-WI	100.5	KXAC-MN
610	KDAL-MN	1210 KIKK-SD	KWLM-MN		101.1	KBHP-MN
650	WKQJ-MN	1220 KDDR-ND	1390 KRUE-MN	92.1	KRUE-MN	101.5 KTOF-MN
790	KFGO-ND	1230 KGHS-MN	KRRZ-ND		101.7	KOLV-MN
800	KEYZ-ND	KTRF-MN	1400 KQDJ-ND		102.5	KMFX-MN
830	WCCO-MN *	KWNO-MN	1410 KRWB-MN	93.5	KITN-MN	KDVL-ND
910	KJJQ-SD	1240 WJON-MN	1440 KKXL-ND		102.7	KYTC-MN
920	KDHL-MN	KDLR-ND	1450 KATE-MN	94.3	KEZZ-MN	104.3 KNFX-MN
930	KKIN-MN	1250 KBRF-MN	KBUN-MN		105.1	KARL-MN
	KSDN-SD	1260 KROX-MN	KBMW-ND	95.7	KKOK-MN	105.5 KASM-MN
950	KWAT-SD	1270 KWEB-MN	1470 KHND-ND	95.9	KQCL-MN	106.3 KRJB-MN
970	KNFX-MN	KLXX-ND	1490 KLGR-MN	96.7	KDOG-MN	107.3 KNUJ-MN
1060	KGFX-SD	1290 KSCR-MN	KXRA-MN	96.9	KMFY-MN	
1140	KSOO-SD	1300 KGLO-IA	KOVN-ND	99.7	KXDL-MN	

Detroit Lions 1996 Mark Champion, Jim Brandstetter

580	WTCM-MI i	930 WBCK-MI	1340 WCSR-MI	1450 WNBY-MI	100.3	WGRY-MI
	WTIQ-MI	940 WCSY-MI	1360 WKYO-MI	1460 WBRN-MI	101.1	WUPY-MI
590	WJMS-MI c	970 WKHM-MI	1370 WKJF-MI	1490 WABJ-MI	101.5	WXYQ-MI
	WKZO-MI	1100 WJML-MI	WSPD-OH	1600 WAAM-MI	104.7	WKJC-MI
730	WVFN-MI	1230 WSOO-MI	1380 WPHM-MI			WYKX-MI
830	WMMI-MI	1270 WXYT-MI *	WPLB-MI	92.1	WCSR-MI	
850	WKBZ-MI	1300 WOOD-MI	1400 WCCY-MI	93.5	WNBY-MI	
900	WMJZ-MI	1320 WDMJ-MI	1440 WMAX-MI	94.9	WKJZ-MI	
910	WDFD-MI	1340 WAGN-MI	1450 WHTC-MI	98.3	WCSY-MI	

New York Giants 1996 Bob Papa, Dick Lynch, Paul Dottino

550	WDEV-VT a	640 WNNZ-MA	1080 WTIC-CT	1340 WALL-NY	1490	WKNY-NY
570	WSYR-NY b	710 WOR-NY *	1230 WBZA-NY	1360 WNNJ-NJ	%%%	
590	WROW-NY	800 WLAD-CT	1240 WWCO-CT	1390 WEOK-NY	96.1	WDEV-VT a
620	WZON-ME a	990 WCMF-NY	1320 WTKZ-PA	1400 WICK-PA	101.7	WBAZ-NY
	WVMT-VT	1030 WBZ-MA	1340 WNHC-CT	1430 WENE-NY	104.9	WSRD-NY

New Orleans Saints 1996 Jim Henderson, Archie Manning

540	KNOE-LA	1150 WJBO-LA	1470 KLCL-LA	95.1	WQNZ-MS	105.5 WNSP-AL
620	WJDS-MS	1170 KDLP-LA	WCHJ-MS	95.3	KQKI-LA	105.7 KVVP-LA
640	KTIB-LA	1240 KANE-LA		97.7	KPCH-LA h	WAKH-MS

710 WNTM-AL j	1270 KVCL-LA	92.1 KLJL-LA	98.3 WJDR-MS	107.7 KPEL-LA
KEEL-LA	1400 WFPR-LA	KVCL-LA	WNRO-LA k	
870 WWL-LA *	1420 KPEL-LA	WBKN-MS	101.7 WKNZ-MS	
920 WBOX-LA	1450 WCJU-MS	92.9 WBOX-LA	104.3 KEZP-LA	

Green Bay Packers 1996 Jim Irwin, Max McGee

550 WSAU-WI	1150 WHBY-WI	1430 WRDN-WI	92.7 WDUX-WI	99.3 WOWN-WI
570 WMAM-WI	1230 WCLO-WI	1440 WNFL-WI	93.3 WATW-WI	99.5 WPKR-WI
580 WKTY-WI	1240 WIAN-MI	1450 KFIZ-WI	93.5 WZRK-MI	99.7 WIMI-MI
590 WJMS-MI c	WJMC-WI	WDLB-WI	93.7 WEKZ-WI	100.3 WRHN-WI
620 WTMJ-WI *	WOBT-WI	1490 WGEZ-WI	94.3 WPRE-WI	100.7 WBIZ-WI
680 WDBC-MI	WOMT-WI	1550 WEVR-WI	95.1 WLST-WI	101.5 WJNR-WI
710 WDSM-WI	1280 WGLR-WI	1570 WMQA-WI	95.9 WMQA-WI	102.3 WHTL-WI
940 WFAW-WI	1320 WFHR-WI	1590 WIXK-WI	WRDN-WI	105.3 WRLO-WI
960 WTCH-WI	1330 WHBL-WI		96.3 WJMC-WI	106.3 WEVR-WI
980 WPRE-WI	1400 WATW-WI	92.1 WRLS-WI	97.1 WCOW-WI	107.1 KFIZ-WI
1010 WSPQ-WI	WBIZ-WI	92.3 WJPD-MI	98.7 WCQM-WI	WIXK-WI
1070 WTSO-WI	WRDB-WI	WJMQ-WI	99.3 WIGM-WI	

Dallas Cowboys 1996 David Garrett, Dale Hansen

560 KLVI-TX	1140 KHTK-CA	1400 KEBE-TX	92.3 KCUL-TX	97.7 KALK-TX
570 KISN-UT	1200 WOAI-TX	KKYN-TX	92.5 KMBV-TX	KWRW-TX
600 KRDD-TX	1230 KLKE-TX	KTEM-TX	92.9 KCTG-MO	97.9 KODM-TX
KTBB-TX		1410 KQAM-KS e	93.5 KBHT-TX	99.5 KREB-AR
680 KFST-TX	1240 KVLF-TX	1440 KEYS-TX	94.3 KRIG-OK	103.7 KVIL-TX *
690 KPET-TX	KXOX-TX	1450 KWHW-OK	94.7 KIXY-TX	104.3 KGAS-TX
710 KGNC-TX	1260 WNRK-DE	KCII-TX	94.9 KBIM-NM	104.7 KBAE-TX
KURV-TX		1460 KENO-NV	KWYK-NM	KBAY-TX
740 KCMC-TX	1300 KFLO-LA	KCWM-TX	KYVA-NM	KYYI-TX
770 KKOB-NM	KAKC-OK e	WACO-TX	95.3 KFRO-TX	104.9 KAGH-AR
790 KFYO-TX	KVET-TX	1490 KPLT-TX	96.3 KTTG-AR	105.7 KSTV-TX
910 KNAF-TX	1310 WGH-VA	1510 KSTV-TX	96.5 KLRA-AR	106.3 KCTI-TX
930 WSLI-MS	1320 KBCN-AR	1520 KKAJ-OK	96.7 KVMX-TX	107.7 KTBQ-TX
KDET-TX	KWHN-AR	KOMA-OK	KXOX-TX	
980 WILK-PA	1340 KYVD-TX		96.9 KBST-TX	
1030 WFSZ-TN	1360 KBWD-TX	88.1 KHOY-TX	97.5 KLAQ-OK	

Carolina Panthers 1996 Bill Rosinski, Roman Gabriel, Jim Szoke

550 WIOZ-NC	970 WWIT-NC	1310 WDKD-SC	1590 WCSL-NC	103.1 WBHC-SC
580 WGAC-GA	990 WNRV-VA	1330 WORD-SC	WCAM-SC	WOMG-SC
590 WCAB-NC	1050 WLON-NC	1340 WSSC-SC		103.3 WKVS-NC
600 WSJS-NC	1070 WINA-VA	1370 WDEF-TN	92.1 WWBD-SC	103.5 WMTY-SC
620 WTRP-GA	1090 WBZB-NC	1390 WXTC-SC	93.7 WALI-SC	104.1 WYAV-SC
WVNR-WV	1110 WBT-NC *	1400 WSIC-NC	94.3 WCMG-SC	104.3 WDLF-NC
630 WBMQ-GA	1130 WFXH-SC	WKAV-VA	WPUB-SC	104.9 WCCP-SC
WIRC-NC	1190 WHYS-VA	WHIS-WV	94.5 WXRA-NC	105.5 WBAR-SC
680 WRGC-NC	1230 WCBT-NC	1450 WATA-NC	96.3 WROV-VA	105.7 WRSF-NC
710 WFNR-VA	WKSJ-NC	WGNC-NC	96.7 WKJX-NC	105.9 WLNI-VA
730 WOHS-NC	WLNR-NC	1460 WBCU-SC	96.9 WJZK-SC	106.3 WDDK-GA
740 WMBG-VA	WNNC-NC	1490 WRMT-NC	97.9 WLGO-NC	WDXZ-SC
870 WPWT-TN	1240 WRAQ-NC	WSTP-NC	98.3 WBCG-NC	106.9 WKQB-NC
900 WAYN-NC	WDXY-SC	WSVM-NC	98.9 WSPA-SC	107.1 WRHM-SC
WIAM-NC	WROV-VA	WPAK-VA	99.3 WDZK-SC	107.3 WVSZ-SC
910 WLAS-NC	1260 WKXR-NC	1500 WEAC-SC	WVKT-SC	107.9 WPTG-VA
WORD-SC	1270 WJJC-GA	1520 WDSL-NC	99.5 WTND-NC	
930 WDLX-NC	WBHC-SC	1540 WTXY-NC	99.9 WKXB-NC	
950 WXGI-VA	WHEO-VA	1550 WVAB-VA	100.9 WIFM-NC	
960 WRFC-GA	1280 WYVE-VA	1560 WCCP-SC	101.5 WRAL-NC	



Saint Louis Rams 1996 Gary Bender, Jack Snow, Steve Schlanger

550 KSD-MO *	1370 KCRV-MO	98.5 KZBE-MO	102.3 KJPW-MO
800 KREI-MO	1390 KJPW-MO	92.7 KMAL-MO	99.3 KCLR-MO
930 KWOC-MO	1400 KSIM-MO	94.3 WDXR-KY	99.9 WOOZ-IL
960 KZIM-MO	1490 KEZO-NB	95.9 KKBL-MO	100.1 WKAI-IL
1310 KFSB-MO	1560 KTUI-MO	97.3 KSD-MO *	100.3 KUDU-MO
1320 KMAQ-IA	1590 KMOZ-MO	97.9 WXFEL-IL	100.9 KTUI-MO

Oakland Raiders 1996 Jim Plunkett, Barry Tompkins

600 KNRO-CA	1150 KSEN-MT	1290 KMEN-CA	1440 KERN-CA
760 KGU-HI	KAGO-OR	1300 KYNO-CA	KUHL-CA
840 KVEG-NV	1170 KLOK-CA *S	1340 KYRE-CA	KVON-CA
980 KINS-CA	1230 KPRL-CA	KLKI-WA	1450 KVML-CA
990 KQSB-CA	KYVA-NM	1360 KNNS-AZ	1480 KRAE-WY
1010 KPLY-NV	1240 KJAA-AZ	1380 KMJI-CA	1560 KIQS-CA
1080 KSCO-CA	1280 KKAL-CA	1410 KSRO-CA	1600 KGST-CA

Kansas City Chiefs 1996

560 KWTO-MO	1230 KWAS-MO	1420 KULY-KS	92.1 KMZA-KS	100.7 KHOK-KS
580 WIBW-KS	KTNC-NB	KBTN-MO	KSDL-MO	100.9 KCLY-KS
680 KFEQ-MO	1240 KIUL-KS	1450 KWBW-KS	92.5 KQMA-KS	101.1 KCFX-MO
690 KGGF-KS	KWOS-MO	KIRX-MO	93.1 KRVN-NB	102.9 KMMO-MO
870 KKAN-MO	KFOR-NB	KOKO-MO	93.5 KLKC-KS	103.1 KNDY-KS
900 KJSK-NB	1300 KMMO-MO	KWPM-MO	94.5 KRXL-MO	103.3 KJLS-KS
910 KINA-KS	KAKC-OK e	1460 KKOY-KS	95.3 KDKD-MO	103.9 KNZA-KS
930 WTAD-IL	1320 KLWN-KS	1470 KERE-KS	95.5 KKAN-MO	KOMB-KS
990 KRMO-MO	1350 KMAN-KS	1490 KTTR-MO	97.3 WIBW-KS	104.9 KBRN-AR
1110 KFAB-NB	1360 KSCJ-IA	1510 KANS-KS	97.7 KNCY-NB	105.3 KOCD-MO
1150 KWKY-IA	1400 KVOE-KS	1540 KLKC-KS	99.1 KSEK-KS	105.5 KKOY-KS
KRMS-MO	KFRU-MO	1600 KMDO-KS	99.7 KMAC-MO	107.7 KSYZ-NB
1220 KJAN-IA	1410 KQAM-KS e	KNCY-NB	99.9 KBFL-MO	
1230 KLWT-MO	1420 KJCK-KS		KHST-MO	

a = This station broadcasts both New England Patriots and New York Giants.

b = This station broadcasts both Buffalo Bills and New York Giants.

c = This station broadcasts both Detroit Lions and Green Bay Packers.

d = This station broadcasts both Jacksonville Jaguars and Tampa Bay Buccaneers.

e = This station broadcasts both Kansas City Chiefs and Dallas Cowboys.

f = This station broadcasts both Buffalo Bills and New England Patriots.

g = This station broadcasts both Miami Dolphins and Tampa Bay Buccaneers.

h = This station has a CP to move to to 96.5.

i = The Lions' list has 500 (same typo as last year)

j = The Saints' list has typo WNTN-AL Mobile.

k = Shortwave

l = The Saints' list has typo WCAB-SC Camden.

m = The Saints' list has typo WBT-SC Chester.

S = Spanish

Here is NFL 1996/97 flagship information; it comes from Ken Onyschuk, who did research with local newspapers. The announcer lists come from the media guides sent by Bob Galerstein (and the network lists appeared in my previous column). Please send me network and/or announcer lists that you have. Also, I need hockey information (and soon NBA information). Thanks.

Arizona Cardinals

99.9	KESZ-AZ (EE)
860	KVVA-AZ (SS) (a)
107.1	KVVA-AZ (SS) (a)
660	KTNN-AZ (Navaho) (a)

Atlanta Falcons

92.9	WZGC-GA (EE)
1550	WYNX-GA (SS) (a)



16	
Baltimore Ravens	WJFK-MD (b) Scott Garceau, Bruce Cunningham
1300	WLIF-MD
101.9	
Buffalo Bills	WBEN-NY Van Miller, John Murphy
930	
Carolina Panthers	WBT -NC Bill Rosinski, Roman Gabriel, Jim Szoke
1110	
Chicago Bears	WGN -IL Wayne Larrivee, Hub Arkush, Dan Hampton
720	
Cincinnati Bengals	WCKY-OH Paul Keels, Dave Lapham
550	WLW -OH
700	
Dallas Cowboys	KVIL-TX (EE) David Garrett, Dale Hansen
103.7	KRVA-TX (SS) Armando Quintero, Victor Villalba
1600	
Denver Broncos	KOA -CO (EE) Larry Zimmer, Dave Logan
850	KBNO-CO (SS) (a)
1220	
Detroit Lions	WXYZ-MI Mark Champion, Jim Brandstatter
1270	
Green Bay Packers	WTMJ-WI Jim Irwin, Max McGee
620	
Houston Oilers	KTRH-TX (EE)
740	KLAT-TX (SS) (a)
1010	
Indianapolis Colts	WIBC-IN
1070	
Jacksonville Jaguars	WOKV-FL Brian Sexton, Matt Robinson
690	
Kansas City Chiefs	KCFX-MO
101.1	
Miami Dolphins	WIOD-FL (EE)
610	WCMQ-FL (SS) Roly Martin, Rene Giraldo
92.3	
Minnesota Vikings	WCCO-MN Dan Rowe
830	
New England Patriots	WBCN-MA Gil Santos, Gino Cappelletti
104.1	
New Orleans Saints	WWL -LA Jim Henderson, Archie Manning
870	
New York Giants	WOR -NY Bob Papa, Dick Lynch
710	
New York Jets	WFAN-NY
660	
Oakland Raiders	KYCY-CA (EE) Joel Meyers, David Humm
93.3	KLOK-CA (SS) Carlos Rivera, Erwin Higueros
1170	
Philadelphia Eagles	KYSP-PA
94.1	
Pittsburgh Steelers	WTAE-PA
1250	WVTY-PA
96.1	
Saint Louis Rams	KSD -MO Gary Bender, Jack Snow, Steve Schlanger
550	KSD -MO
93.7	
San Diego Chargers	XETRA-BC Lee Hamilton, Jim Laslavic
690	
San Francisco 49ers	KGO -CA
810	
Seattle Seahawks	KIRO-WA
710	



930 AM
Good Time
Rock-N-Roll

SERVING SAN ANTONIO AND TERRELL HILLS

Tampa Bay Buccaneers	WQYK-FL Gene Deckerhoff, David Logan
1010	WQYK-FL
99.5	
Washington Redskins	WJFK-VA (b)
106.7	



- (a) Ken did not provide any foreign language broadcast information, so I have taken these listings from last year's listings. I do not know if these listings are current for the 1996/97 season. The foreign language listings that are not marked with "(a)" have been verified from the media guides that Bob Galerstein sent.
- (b) The *FM Atlas 15th Ed.* has WJFK (FM) in Manassas, VA-Washington, DC. But the Baltimore Ravens are on WJFK (AM) in Baltimore. My *NRC AM Log* and the Ravens' media guide list WJFK-AM on 1300 in Baltimore. I do not know which station is the real WJFK. I do have the Ravens' media guide, but I do not have the Redskins' media guide as a cross-check. I checked a copy of the FCC database on the WWW (www.radiostation.com) and WJFK-AM is listed as Baltimore, while WJFK-FM is listed as Manassas, Virginia.

Geomagnetic Summary

Phil Bytheway bytheway@ATK.com
 9705 Mary NW
 Seattle, WA 98117-2334

High "A" values indicate possible auroral conditions

Geomagnetic Summary August 23 1996 through September 19 1996.

GEO- Geomagnetic activity pca- polar cap absorption
 maf- major flare SA - Solar Activity
 mas- major storm spe- satellite proton event
 mis- minor storm ss - severe storm

<u>Date</u>	<u>FLUX</u>	<u>A</u>	<u>K</u>	<u>SA</u>	<u>GEO</u>	<u>OTHER</u>
8/23	74	11	2	low	quiet-active	-
	24	75	8	3	very low	quiet-unsettled-
25	z	z	8	low	quiet-active	-
26	74	13	3	very low	quiet-active	-
27	74	11	3	very low	quiet-unsettled	-
28	73	13	3	low	quiet-active	-
29	74	27	5	very low	quiet-mis	mis 0600
30	73	15	3	very low	quiet-active	-
8/31	76	12	1	very low	quiet-active	-
9/ 1	74	4	1	very low	quiet-unsettled	-
2	72	5	0	very low	quiet-unsettled	-
3	71	2	0	very low	quiet	-
4	71	5	0	very low	quiet-unsettled	-
5	70	7	2	very low	quiet	-
6	70	5	2	very low	quiet	-
7	70	8	2	very low	quiet-active	-
8	68	6	1	very low	quiet	-
9	68	8	5	very low	quiet-mis	-
10	68	25	3	very low	quiet-mis	-
11	68	17	4	very low	quiet-mis	-
12	68	21	5	very low	quiet-mis	-
13	67	16	3	very low	quiet-unsettled	-
14	67	10	3	very low	quiet-unsettled	-
15	66	17	3	very low	unsettled-active	-
16	68	20	3	very low	quiet-mis	-
17	69	6	4	very low	quiet-active	-
18	69	19	1	very low	quiet-mis	-
9/19	69	10	4	very low	quiet-active	-

AM Station Map Book, 3rd ed.

\$9.50 to members, \$10.50 non-members, postpaid.

Edited by DDXD editor Bill Hale, this book of station location maps is a must-have companion to the *AM Radio Log*. The 170-page book is three-hole punched for a ring binder. Order from NRC Publications - Box 164 - Mannsville, NY 13661. NY orders, please add sales tax.



NRC Ham List


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706 MacKenzie
Lima, OH 45805-1835

A listing of radio amateurs interested in exchanging information on CEB DX'ing

National Radio Club Hamlist NRC and DXAS Members

Name	Call	Modes & Info
Anderson, Gordon	N8CCC	224.30/442.95 443.0 145.49 6sb
Arey, Skip	WB2GHA	80-10SSB/CW,2FM,440FM
Bagge, Jim	WA1EDN	160-75CW/SSB 6mAM
Bailey, Ron	AA4S	160/VHF Contest CQWW/SS/ARRL
Ballard, Clark	N6QG	4.035@0301Z as AAR9CN/B A/MARS
Bay, J.W.	N3ULD	2&6 SSB
Beard, Doug	KF0VF	160-10CW/AM 80-10SSB 2MFM
Bowker, John	WA2WEN	10SSB/80-10mtr
Connelly, Mark	WA1ION	80AM/SSB 2FM
Crabill, Perry	W3HQX	146.82rptr Winchester
Dimeo, Tom	K3DOL	160-10CW/SSB 2/440FM
Dunham, Sheldon	W4OEL	40-10CW DX!
Galerstein, Bob	WB2VGD	80-10 SSB 2FM
Gault, Douglas	VE3ICT	52.525FM 3.880AM 80mtCW
Hale, Bill	N5SZC	10SSB 2mFM,440FM
Kekalos, Tony	VK8TK	160-10CW
McCoy, Bob	N0SCE	146.85R/146.76R
Merriman, Alan	K4GLU	CW/WARC NRC-Net Wed/Sun@2000
Mitchell, Gary	WL7WO	160-40&30CW
Mulvaney, Tom	KR4BD	160-70cm Mostly SSB & 224.8rpt
Osborne, Jerry	VO1GO	80CW 40CW/SSB 2FM
Robertson, Pat	KG7HT	80-10SSB/CW 2mFM,440FM
Rowe, Robert	N5PMX	80-10SW/SSB 2mFM
Rugg, Andrew	VA3TEE	147.180 160-10CW&SSB
Smith, Paul W	KB4AZ	
Stone, Rocky	KB0NXY	147.150
Stonier, Bob	WE2Z	80-10SSB 2mtrFM
Tobia, Alphonse	KB6KAX	160-10SSB/AM/CW,2FM
Trigilio, Dan	KF6MU	HFQRP CW/RTTY/SAT
Tudenhams, John	W0JRP	80-10SSB/CW 6/2/1.5/1.75mtr SSB
Vobbe, Fred	W8HDU	80-10CW,443.625R,53.630R
Walsh, Tom	K1TW	7240 ANARC HF Net DX Contests
Way, Tandy	K4YSN	160-6SSB/RTTY/AMTOR/FACTOR/PKT
Wilkeman, Bruce	AA5CO	40/30/15CW-QRP
Winrich, Kent	N19U	HF Mobile 14.336
Wiskow, Jim	AA9BB	80-10SSB/40CW 3985@0100z
Zank, Neil	N0SFC	2FM/6FM

Answer to J. B.'s Brain Teaser: True. Always has been .. lots of examples from KOB (KKOB) to KHJ (KKHJ);
WMIX all day long except on the hour where they suddenly become WIMX ..



Bruce Eving's FM Atlas - 16th Edition
The world-famous guide which has served FM DX'ers for over 20 years is available from NRC Publications at the special price of \$18.00. NY orders, please add sales tax.

Musings of the Members

Thoughts from NRC members ... the opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.

(To all NRC Members: If you contribute a longer, general commentary to other columns (including IDXD), they will automatically be transmitted to Dave Schmidt for editing and inclusion in this Musings column. -pls)

Ben-Dangerfield@msn.com X

(202 Governor's Dr., Wallingford, Pa. 19086)
Well, welcome to the world of E-Mail! This should help you considerably, and it should be an incentive to procrastinators like me to contribute more often. The last time I Mused was early in the year [on some of my best veries] and since then I have joined with you to visit Al Merriman at Chincoteague, bought a new R8A, installed two 80-foot slopers, and put to good use the DL2 Al built for me. I am quite happy with the Drake R8A and have sent the HQ-180 to the attic as a spare. Took only two trips this summer, both in July. Went to Gloucester, Ma. with English friends to go on a whale watch [saw 65 whales] Had the R8A along with the KIWA loop and DXed from our hotel at Bass Rocks, hearing lots of strong TA s, some like locals. Our other trip was to Detroit and Pittsburgh [my old home town] but I didn't DX. However, our motel at Pittsburgh was in Greentree where the transmitter of WJAS and KQV was once located. The two stations shared a single tower. We also drove near Allison Park where KDKA moved from Saxonburg in the early thirties, and I guess this transmitter, too, has now been replaced. Speaking of KDKA, I recall visiting their studios [as a teenager] first in the William Penn Hotel, and then in the Grant Building. Attended their gala opening there. Again, since I last Mused, I have verified country #122, VOA Sao Tome-1530, and have recently sent verie requests to what I hope will be numbers 123 and 124 for Slovakia-1098 and Croatia-1134. Had such beautiful signals from those two I couldn't resist reporting although they are, of course, regulars here. And the other thing I enjoyed a good but short period of reception, just after 10:00 PM, of potential country # 125. They surely must be running more than the 100KW listed in WRTH. I've heard lots of TAs since the first of Sept., and I won't list them. One of the highlights was on Sept. 5 around 1:00 AM when French stations were signing on topped by fine signals from Paris-864, Bordeaux-1206, Rennes-711, and Nancy-837. Then there

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Times are local per Muse; submit double-spaced only.


Thoughts from NRC members ... the opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.

was Sept. 10 around 8:00 PM when Porto, Portugal was way up on top of 720 KC with CHTN far behind and no sign of WGN. Porto was // to a strong Lisbon-666. I'm spending all my time on TAs [LAs not doing much] but do domestic tuning days as I play with the DL2 phasing unit. One of my favorite nulls is phasing local WFIL to WFRB. Have installed a ground at each antenna post to reduce noise [read buzz] and it works. Am flying to Newfoundland on Nov. 2nd to be a part of Jean Burnell's next DX-pedition, and will take the R8A and other equipment with me, if they let me through security.

Mike Brooker -- 99 Wychcrest Ave., Toronto, ON M6G 3X8

This is my first Musing in a long time, and my first e-mail musing ever. Since my last muse, I have added some good catches to my logbook and some good karma to my RFB-45 on a 5-weeklong pilgrimage to India. Well worth missing some prime SSS/SRS/CPC DX time last winter to do SRS by the Ganges. I attempted to visit All India Radio in New Delhi ("Akashvani Bhavan"), but their main broadcast studios were guarded by soldiers toting WWI-vintage rifles with fixed bayonets. FM is still a novelty in India. The only FM stations were "Times FM", 102.6 in New Delhi and 107.1 in Bombay, which were as close as it got to a western Top 40/CHR format, mostly in EE, bilingual (EE/Hindi) Pepsi ads ("yeh right one baby hai!") and even a pale attempt to reproduce AM and PM drive shows with local traffic reports and stock market reports from the BSE (Bombay Stock Exchange). I even heard some Canadian content on Times FM (Bryan Adams, Anne Murray), perhaps in anticipation of Canadian Prime Minister Jean Chretien's visit to India. They also publish a survey chart in *The Times of India* and other Indian EE newspapers. As for bumper stickers or other promo items, forget it! Most Indians don't have bumpers to stick them on anyway. Locally, CBL-740 is applying to the CRTC to move to FM and will leave AM if approved. Wouldn't I love to have 740 clear

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1440 AM

for SSS and SRS! A prime spot on the Toronto FM dial, 99.1, is still up for grabs since all-news CKO went silent in 1989. 73. Om Shanti. Mike

Michael L. Plumb - 602 East Patton Street - Papillion, Ne 68046-2742

Greetings from Papillion. This is my first MUSE so I thought I would introduce myself. I am 41 years old and have been DXing off and on since the early 70's. I am single, never married, no children. I was a member of the IRCA and NRC in the late 70's and the early 80's. My equipment includes a Realistic DX302, and a DX392. My antennas include a Tucker Electronics SW500 active antenna, a 2-foot-square loop and a homebrew 8-sided loop, six by three feet long. I have some questions: I am very interested in wanting to buy a phasing unit. I will have to buy one already built (complete with directions). Are there any reprints available on modifications to the DX302? Gotta go, 73s, fewer T-Storms and Best of DX! (Hopefully someone will come to your rescue, Mike, thanks for your report, we hope its the first of many more!-DWS)

Michael Manning - 204 Winston Avenue - Wilmington, De 19804

I'd like to reintroduce myself; I have been a member of the NRC for 2 years and once upon a time when I was stationed in Germany. I am 35 years old and I work full time for the Delaware Air National Guard. Since the Gulf War, I have been saving money to buy a house and finally did in addition to an HF1000 and SE3 sych. det. I've worked 2 jobs to get what I want and it hasn't been easy, but it was worth it. I use an RF System DX one professional antenna for broadcast band DXing. So as the sun sets here in Delaware, Morocco, Spain and the Azores come in pretty strong. I can't wait for the winter DX season. My goal is AFN-Frankfort on 873 khz. I listened to that station every day for 5 years while stationed in Germany. I heard KYW-1060, sent them a copy of a tape, and got a nice verie while working DX from across the pond. I wish everyone the best this season, just be patient! (Thanks Mike!-DWS)

John T. Arthur (N2yqm) - Rd#1, Box 15a, Belfast, Ny 14711 (E-Mail: cc732@freenet.buffalo.edu)

OK, OK...you talked me in to it, Dave, so here's an introduction for the NRC crew. I'm presently 51 years young and have been in the radio listening hobby since I was 10, in 1955. The first club I joined was NASA (today's NASWA) and I've belonged to both NRC and IRCA in the past. I've had the privilege to live

in some real good DXing locations including N CA & HA, and probably have 300 AM veries. I've never heard a TA, but managed several TP's from CA. Was active on CB for many years, loved to "shoot skip" and am now a no-code tech. Current equipment includes a Yaesu FT767GX, which contains a pretty good receiver section, fed by a fan dipole and a 170 ft. LW that runs E from the house down toward the Genesee River. Most of my activity these days is in the area of Free Radio (pirates) and I've written for the ACE for nearly 14 years; however I have sent a few reports to stations in the expanded band since moving back E 7 years ago. I gave up on AM DXing since the FCC ruined the band with so many unnecessary new stations, but old habits die hard. Hope to contribute more in the future, 73 for now. (And we'll hold you to that, John, or at least I know how! Welcome to the NRC and we certainly trust your name will be "in the fold" with us very often, very glad to have you on board. DWS)

Kermit Geary - 1266 Riverview Drive - Walnutport, PA 18088 (Part 2)

Another highlight of the last season was the meteoric appearance of AABS, aka KTRK and K-Truck, on 1670khz, heard by nearly everyone and now gone to Bosnia. My verie certificate is for 1000 watt reception. KXBT-1640 and WJDM-1660 put in great signals in the expanded band, and both have verified. A test on 1680khz with open carrier and tone modulation on 2/23 & 2/24 was reported to Kintronic Laboratories, Bluff City, TN (thanks to DS for supplying address in *DX News*). Failing to receive a reply, the station was visited while on a trip through E TN. A verie letter was issued on the spot by Pres. Tom King and I was treated to an extensive tour of the facility which manufactures gear for transmitting antennas. Other veries from holdouts were obtained as a result of personal visits to WSPC-1000, WVOC-560, WKXV-960, WFYN-1290 (now off the air), WIPI-1230, WACB-860 (heard with 8 watts 1/14 6:05-6:08PM), WGOS-1070, WHYS-1190, WIWS-1070 (presently silent), WQIX-820, WLAT-1230, WPRX-1120, WRWD-1170 & CKDX-1480 (now on FM). Some claimed to have answered that were never received, while other admitted receipt of my reports but laid them aside. Also verified during the last season were WMRO-1560, WBPS-890, WNNI-1260, WDCS-1190 (DX Test), WETR-

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830, WUTK-850, WPIP-880, WZBZ-1070, WLCM-1390, WRBZ-850, WNWR-1540, WIST-1480, WRKK-1200, WDCD-1540 & WHMP-1400, the latter on my wanted list for 45 YEARS! Two veries, including a certificate and CD recording, were received from KUSA-1660 for their NAB tests in 3/95. My verie total now is 6333 (529 to 1711khz only). I still haven't come around to counting expanded band stations in my AM totals because of the 5 dozen or so stations in that band that were previously verified. Perhaps I'll keep them all in a separate category. Now as we start another DX season with solar activity at low ebb, I hope that everyone will be able to fatten their DX logs and record that rare catch! A million thanks to our bulletin editors for their untiring labor in our behalf, 73 and good DX to all! (Thanks Kermit, your MUSINGS are always welcomed at this mail box and may you also have a good DX season!-DWS)

Jeff Ross - 7 Tiberwick Drive - Flemington, NJ 08822

Greetings to everyone. I hope you all had an enjoyable summer. Lack of time prevented any DXing but hopefully things will quiet down in time for the forthcoming season. On the positive side, my daughter decided to take over the "shack" for her personal use which necessitated moving the receiver and loops to the second floor of the house. I'm amazed at how much deeper the nulls are by simply removing most of the aluminum siding from the near field of the loops. It'll be interesting to see what I can uncover under the NY & Philly semilocals as a result. I've also started considering a move to Potter or Tioga counties in PA. If any club members live in or are familiar with those areas, I'd appreciate your getting in touch. The perspectives one gets during brief visits or talking to realtors, etc., probably differ somewhat from those of the residents and people who have spent extended time there. Anyway, that's all for now. Good DXng and I'll try to have something more to report next time.

Andy Rugg (Va3tee/Ve2em)-375 Ivan Crescent - Cornwall, ON K6H 7C7

Here is an update since my last MUSING in Feb. I added 7 more new ones, to finish the season with 26 new logs. The best one was at sunset on 4/5 when I finally IDed the southerner under CBM-940, it was WMAZ. To top it off, they verified quickly and returned my postage! On 4/1, I did not hear the WTBQ-1110-Test, however a casual bandscan pulled in 2 new ones, WVNJ-1160 & long wanted WCAP-980. The remaining logs were the WTLA-1200-Test and 3 call changes in the form of WCMF-990, CKDO-1350 & WDCW-

1390. I also relogged WSBA-910 on their Test. New veries are WIRC-630-Test, WMAZ-940, WVNJ-1160, WDCW-1390, WTCY-1400-Test, CKYC-1430, ABS-1670 and a prepared card from WRMR-850. So far, only half of the seasons catches have verified, which is most disappointing. In mid Sept., I sent out over a dozen follow ups, all with prepared cards, I hope that will get some results!! I did not DX the AM band between Easter and Mid Sept., I am spending more time with my ham station, because the verie returns are so much better. Much of my operating is in the county hunters net, where the verie return is nearly 100%! I had to skip Kulpville and the Knoxville convention this year because of a tight budget. After 36 years of on/off AM listening, my totals are 1808 logged and 1716 verified for a 95% return. 73 & Good DX!

Joe Kureth - Uniontown Cpo (107) - 2900 Uniontown Road-Uniontown, MD 21158-9997 (Email:joek@copl.carr.lib.md.us)

Greetings from rain-soaked MD. The cool summer weather did have one advantage, keeping down the static/noise levels. 7/19 brought a new log of WQIX-820 with WQSI nulled. During the summer Olympics, 970 in Atlanta was over WWSW on 7/27; haven't heard this one in years so suspect they were running their day pattern. 8/3 heard an ID from WOAI, and this was the first time logged since 1200 became a Class IV frequency! WRNJ-1510 was heard on their new frequency on 8/17 and a few minutes later, much-wanted WTHE-1520 was heard! Had been after this one for years! A DX milestone on 8/21 with #2400 in the log, WWSR dominated 1420 for over half an hour playing oldies in the early morning. VT #10 & #20 on 1420, a friendly verie received in days. My target list, made up last year, is getting results. So with that and some helpful TESTS, #2500 won't take years! Recently moved to the graveyard shift (11P-7A) so maybe I can DX from the truck radio during breaks and lunch. Visited Ocean City, MD for one day back in August and noted WGAI-560 under WFIL and WJDM-1660 for 2 new daytime logs there. Most of the time was spent on FM & UHF-TV during a great tropo opening. Just ordered the new night pattern book from NRC publications and am looking forward to getting that. No doubt another great effort by the club. Hope everyone enjoyed the convention, one of these years I'll get to one to

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meet some NRCers in person. Hope everyone has a great DX season, 73

Leslie Wood - 1463 Tadmor Street - N. Merrick, NY 11566

Hello everyone, I haven't reported to DAVE'S column in a while, so I thought it was time for another MUSING. I've been busy DXing TV & FM this past summer. I'm also a member of the WFTDA. I haven't done any AM DXing for a while, except in early July, when I visited CO. I visited relatives and had a Panasonic TRF that I brought with me, and did a little AM DX. It was great hearing KOA 'The Voice of the Rockies' during the daytime, the only far W station I can hear in NY from time to time. Some regionals heard were KRKS-990, KHOW-630 & KNUS-710. Night brought powerhouses like KSL, KKO, KNX, KTWO, KRLD & KVOO all like locals. It was nice hearing them, anyone which I would marvel at receiving from the NY area! At night I heard as far E as Chicago & Nashville with WBBM & WSM coming in good. A TIS was heard during daytime reception, operating from Dever Int'l Airport, IDing as WPDI on 540. All in all, I found it interesting to hear programming from far western stations, some of which I have longed to hear from NY but could never receive. Had an interesting chat with fellow NRCer CHARLES BERNTH not too long ago. He resides not far from me on Long Island. I've been in the NRC for a few years and just discovered that a number of members live near my area. Now if we could only contact each other and maybe have a DX get-together someday! Well, I'm looking forward to the weekly issues of *DX News* in Oct., and the upcoming DX season, I hope to be at the AM dials, now as the fall is upon us. Good DX & 73 to all.

Robert Tiara - 148 Beechwood Circle - Hendersonville, NC 28739

A short MUSE to kick off the new DX season and a SHORTER reintro, I've just turned the big "50" and have been DXing on/off since 1958. Started my "new" log on 1/1/88 when I settled here permanently. Totals are 1496 heard with 621 verified, including 45 states, 36 countries (and counting). The 95-96 DX season would have to be rated as A-, best catches were KBRT, KXBT (a regular here at night) and KBSU. Much needed SD was finally heard with 3 stations in 2 days! State #45. Now if only ME, VT or OR would make it in here to complete the continent. If the past several weeks are any indication, this upcoming season should be A++++, TA's have been rolling in here with unbelievable audio. It's rare to pull audio out of these, but

now lately, Croatia-1134, Norway-1314 have been heard at levels well enough to be decent background music in the shack! Several others have produced fair to good audio, Rome-846, Spain-585, Spain-684, Azores-693 (I assume it is they), Spain-855, Algeria-891, England-1215 and hets or carriers have been noted on practically all split frequencies. Audio has been heard several nights running on 1544, RON BAILEY has heard this also; I think it is a Clandistine in Morocco/Algeria, any ideas? Seems to disappear around 0100GMT. Tonite is a total washout; hets barely audible on 1134, 855, etc. Last nights reception (9/11) was quite good. Replenished my supply of audio tapes from WalMart, since I haven't had this much interest in the hobby in years! Hope conditions will continue and that everyone has a chance to hear these TAs while the chance is here. I'm about 400 miles inland and I'm having only minor problems, now only if ME or VT would trickle down this way! Sorry I had to miss the convention just up the road, I was in the hospital again (visit #5), maybe next year. Good DX in the upcoming season to everyone. (And hope you're back in alignment, Bob, thanks for your report!-DWS)

Al Merriman - Chincoteague, VA

Hello All: Well, I finally figured out how to turn the radio on again. After a summer of virtually no listening I actually did a bit of DXing last night. Kept seeing the reports of Kuwait-1548 and decided to see if I could hear them and all I have to say is What A Signal! Looking at a Great Circle Map this may be using a DA which is beamed right down our throat. Whatever the secret is they are strong. Another easy new country. This on Sept 20. Many other TAs in but mostly common stuff. Band open when checked Sept 19 2300z but then closed down for about 2 hours, and back strong at 0100z Sept 20. Not much from Northern Europe, 1314 was a jumble with Spain dominant. One thing that bears watching is 918 which had someone equal to Spain that almost had to be much needed Slovenia. Also 828 had a good bit of audio - sounded SS at times but the Dutch stn here has increased power and changed to non-directional antenna so this another possibility. Sept 20 PM quite a few TAs in but nothing from the Middle East like last night. Sept 21 AM went to Virginia Beach to a Hamfest and

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got to meet Richard Eckman. Richard gave a seminar on Sunspots - and although I didn't attend the seminar I spoke to him afterwards and he assured me that the current sunspot low will continue for at least another 28 years giving great MW conditions. WE WISH! Actually what he said was that the experts are pretty much agreed that probably the next cycle has already started and if not will begin shortly. So good cx this year and probably next but after that things will probably start to go down hill. So enjoy it while you can. PM tuned around a bit and all Europeans weak, even Spain but some very strong signals from North Africa - Canaries 621, Morocco 1044,1197, Libya-1251, Algeria 891 etc. This was around 2330z. Didn't listen any later so don't know if things improved. Sept 22 PM tuned around a bit early, just after local sunset but lots of noise - S5-8 near continuous static crashes so must have been some t-storms somewhere fairly close. A slow start to the season for me but maybe things will pick up later.

Ben Dangerfield - Wallingford, PA

Around midnight here on what was between 0353 and 0405 Friday Sept. 27 I had strong O.C.'s from several Italians at sign-on time, followed by the regular sign-on announcements and news from such as 1116, 1296, 1332, 1368, 1449 and 1575. But the most interesting signal was on 1386. Here I heard very clearly what sounded very much like Greek popular ballads sung by a man, and then a woman, accompanied by a guitar and other string instruments. On the hour was an announcement by a man, and I feel sure it was in Greek, and I believe he then read the news. So I think I had Athens. If you draw a great circle line from Athens to my location it runs right through Italy. [In fact, if you draw a great circle line from Kuwait it takes the same route, and we all know how strong VOA Kuwait has been recently, which I now see has upped to 600KW] I also note from my DX Edge map that sunrise in Athens occurs just about the time of my reception, and all these signals son were gone. So take a look.

About my attempts to get rid of my buzz. First, both antennas #1 and #2 are now grounded to an 8 foot copper rod outside and my DL2 has been so modified. The grounds can be removed if desired by just unplugging them. The switch that Al put on the back can be set to "noise reducing" or "common" whichever works better. This ground system actually does reduce any buzz.

Second, I have installed a third sloper so these three wires are shaped like a "Y" with the bottom part being the new wire. The first two run toward the power line at the back of

my property but stop short of it. The third wire runs from the same roof mast to the front of my property. There is also a power line running along the street in front, but the new line is considerably short of it and there I think is the reason for my success. Anyway, by connecting line three to the number two antenna post on the DL2 and not connecting any antenna to #1 there is no buzz when it is going full blast on my two Sony radios and I can still phase with it, and TA and LA reception is excellent. I also do very well with one of the first two wires on post #1 and wire 3 on post 2. So it would seem that the new wire has made the difference, even though it is shorter. As far as phasing with only an antenna in #2 I guess it is working with the ground system?

I'm going to send a letter to Athens and check out my logging on 1386. If that doesn't solve the problem, I will be in Athens in February on a tour. [Ben Dangerfield]

Wayne Heinen - 4131 S. Andes Way - Aurora, CO 80013-3831 nrclog@filebank.com

Hard to believe, I started editing the *Log* with the 13th edition and I mailed the master for the 17th edition to Ken last weekend. Time flies when you're having fun. Been doing some SRS DX while lying in bed in the mornings. My wife gets up at 4 AM for work and lots of times I can't get back to sleep after her alarm goes off. Got a TRF on the nightstand and it still keeps pulling in new ones and call changes. Sent a slew of f/up's most 3rd letter with PPC. v/1 KQFN-1550 (they just changed back to KQWB too) v/q KTIC-840 sent a KWPN card with "Now KTIC" writtne on it! v/ppc KCWR-550 KECN-690 KRGS-690 KBOP-1380 KTUR-1010 and KKGM-620. KKGM changed calls again so another call change to chase. 10/2 and 10/3 the Japanese stayions on 774 and 693 were both auible about 0700. Now that I've settled into my latest position, I'll probably be much less burnt and have more time for DX this season, one would hope that is. Latest DX to Bill Hale and signers to Ken Macharg. 73 de N0POH

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