

DX News

• Serving DX'ers since 1933 •

Volume 67, No. 30 - September 18, 2000 (ISSN 0737-1659)



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CPC Test Calendar

WJNT MS 1180 Sept. 30 0100-0200

WJNT-1180 - Jackson, MS
<<email@wjnt.com>> (no USPS address provided; apparently they prefer not to answer letters) will test on Saturday, September 30, from 1:00-2:00 am EDT. Arranged by Lynn Hollerman for the International Radio Club of America.

From the Publisher ... Apparently NRC member Brian A. P. Zaccaria has passed away, as his last copy of DXN was returned, stamped "deceased". Our sincerest sympathies to his family.

Thanks to Fred Vobbe and crew, approximately 44 NRC members enjoyed another great convention in Lima, OH over the Labor Day weekend. The annual auction raised just over \$500 to help defray NRC expenses. And congratulations to Russ Edmunds for being awarded the annual plaque for "appreciation for dedicated service". More about the convention in a future DXN. Meanwhile, start planning to sojourn in Pittsburgh in 2001, as John Malicky's bid was accepted for next year's convention. (He also took home more coffee cups than I did, for the first time in memory, hi!)

Welcome to these new NRC members ... Christopher Yeats, Wichita, KS; Charles Chastain, Tulsa, OK; Clyde Parrott, Columbus, IN; Mike Clancy, Jersey City, NJ; Stephen Clang, Plymouth, MA; Michael Laytart, Woodside, NY (rejoins); Samuel Jackson, McConnelsville, OH; Allison Smith, Glenmont, NY; Eric Svajdlenka, Mukilteo, WA; Richard E. Hillman, Columbia, MO; Foy Ledbetter, Hartshorne, OK; C. A. Prefatt, Gainesville, FL; Tom Walsh, Bedford, MA (rejoins); Raymond Bauernhuber, Whitestone, NY; John H. Byrne, Jr., New York, NY; Andrew J. Yakubik, Wilburton, PA; Frank Domínguez, Albuquerque, NM; Robert M. Berglund, Harrington, DE; Joseph J. Perko, St. Augustine, FL (rejoins); Dan Ziolkowski, Cudayh, WI; Alan Sroufe, Gladstone, OR; Powell E. Way, III, Columbia, SC; Robert Roman, Needham, MA;

Richard McVicar, Onondaga, NY; Dan Novotny, Phillips, WI; Chuck Rippel WA4HHG, Chesapeake, VA (rejoins); Neil T. Kazaross, Barrington, IL (rejoins); Mike Cook, Fortville, IN; John Bergeron, Cape Elizabeth, ME; Paul Yount, Jr., New Castle, CO; and Dale R. Franks, Barberton, OH.

DXN Publishing Schedule, Volume 68

| Iss. | Deadline | Pub. Date | Iss. | Deadline | Pub. Date |
|------|----------|-----------|------|----------|-----------|
| 1. | Sept. 22 | Oct. 2 | 16. | Jan. 19 | Jan. 29 |
| 2. | Oct. 6 | Oct. 16 | 17. | Jan. 26 | Feb. 5 |
| 3. | Oct. 13 | Oct. 23 | 18. | Feb. 2 | Feb. 12 |
| 4. | Oct. 20 | Oct. 30 | 19. | Feb. 9 | Feb. 19 |
| 5. | Oct. 27 | Nov. 6 | 20. | Feb. 16 | Feb. 26 |
| 6. | Nov. 3 | Nov. 13 | 21. | Feb. 23 | Mar. 5 |
| 7. | Nov. 10 | Nov. 20 | 22. | Mar. 2 | Mar. 12 |
| 8. | Nov. 17 | Nov. 27 | 23. | Mar. 16 | Mar. 26 |
| 9. | Nov. 24 | Dec. 4 | 24. | Mar. 30 | Apr. 9 |
| 10. | Dec. 1 | Dec. 11 | 25. | Apr. 6 | Apr. 16 |
| 11. | Dec. 8 | Dec. 18 | 26. | May 4 | May 14 |
| 12. | Dec. 15 | Dec. 25 | 27. | June 1 | June 10 |
| 13. | Dec. 29 | Jan. 8 | 28. | July 6 | July 16 |
| 14. | Jan. 5 | Jan. 15 | 29. | Aug. 3 | Aug. 13 |
| 15. | Jan. 12 | Jan. 22 | 30. | Sept. 7 | Sept. 17 |

DX Time Machine

From the pages of DX News:

50 years ago ... from the September 2, 1950 DXN: Al Bartholomew, Addison, NY, reported that he had verified 34 new California stations during the 1949-1950 DX season, along with 7 from Washington and 4 from Oregon ... from the September 23 DXN: The reports from a number of members included comments on the "swell" and "great" convention in Buffalo, NY, over the Labor Day weekend, with special mention by Ralph Johanns of the beer and spaghetti.

25 years ago ... from the September 15, 1975 DXN: Charles A. Wolff took over editing what is now known as "DDXA" from Bob Karchevski, and John C. McColman, Jr., took over DXChange editing duties from Bob Sparell ... from the September 29 DXN: The main feature in this DXN was the Connecticut Convention story, complete with the unforgettable photo of TDB (The Dead Bus) and Ron Musco nearby ...

10 years ago ... from the September 24, 1990 DXN: The Pittsburgh NRC convention was one topic of discussion in this DXN.

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

| | <u>Old call</u> | | <u>New call</u> |
|--|-----------------|-------------------|-----------------|
| 620 | KRDY | CO Grand Junction | KSIR |
| 670 | WMAQ | IL Chicago | WSCR |
| 850 | KBET | CA Thousand Oaks | KACD |
| 940 | KFRE | CA Fresno | KWRU |
| 970 | WLKY | KY Louisville | WGTK |
| 1070 | WHYZ | SC San Souci | WXSZ |
| 1080 | WALD | NC Walterboro | WOTA |
| 1160 | WSCR | IL Chicago | WXRI |
| 1240 | WIMZ | TN Knoxville | WTXM |
| 1250 | KKGM | KS Kansas City | KXTR |
| 1260 | WMMM | CT Westport | WSHU |
| 1310 | WOOX | PA Bedford | WBFD |
| 1360 | WMNS | NY Olean | WOEN |
| 1380 | WKDM | NY New York | WNNY |
| 1440 | WWTM | MA Worcester | WVEI |
| 1450 | WKZQ | SC Myrtle Beach | WJYR |
| 1450 | KCTI | TX Gonzales | KQQT |
| 1480 | WODX | FL Marco Island | WIXI |
| 1540 | KISA | HI Honolulu | KREA |
| 1550 | KUAT | AZ Tucson | KUAZ |
| 1550 | WCXJ | PA Braddock | WURP |
| 1550 | WKQV | PA Pittston | WITK |
| (Incorrectly listed in the AM Radio LOG #21 as WYTK) | | | |
| 1600 | WNNY | MD Rockville | WKDM |
| 1600 | WBFD | PA Bedford | WHJB |
| 1650 | KGXL | CA Torrance | KFOX |
| 1660 | WMIB | FL Marco Island | WQRS |
| 1700 | *New | AL Huntsville | WEUV |

APPLICATIONS / GRANTS FOR NEW STATIONS

None

APPLICATIONS FROM EXISTING FACILITIES

| | | |
|------|------|---|
| 570 | WDTF | NC Raleigh: 1000/52 U1 |
| 630 | WDGY | WI Hudson: 900/200 U4 |
| 700 | KGRV | OR Winston: 23000/470 U1, consolidate day and night transmitter sites |
| 1040 | KLHT | HI Honolulu: 10000/10000 U1 |
| 1160 | WKGE | GA East Point: 50000 D3 |
| 1170 | KCBQ | CA San Diego: 50000/4500 U4, consolidate day and night transmitter sites |
| 1190 | KCBW | MO DeSoto: 10000 D3 (the FCC shows the call here as KRFI, but we have no record of this change) |
| 1340 | WXXR | AL Cullman: 670/670 U1 (antenna to 334 feet) |
| 1510 | KMRF | MO Marshfield: 1000 (5000 CH) D6 (higher CH power is unusual but appears to be correct) |
| 1520 | WNWS | TN Brownsville: 152 D1 |
| 1520 | WVOZ | PR San Juan: modify CP to show 25000/9500 U7 |
| 1530 | KQNK | KS Norton: 1000/58 U1 |

GRANTS TO EXISTING FACILITIES

| | | |
|------|------|-----------------------------------|
| 710 | KXMR | ND Bismarck: relocate transmitter |
| 950 | KOEL | IA Oelwein: relocate transmitter |
| 1030 | KLLU | OR Reedsport: 50000/630 U1 |
| 1090 | WMUS | MI Muskegon: relocate transmitter |



| | | |
|------|------|--|
| 1150 | KCUV | CO Englewood: 10000/1000 U4, relocate transmitter |
| 1220 | CKCW | NB Moncton: to 94.5 FM |
| 1280 | WGBF | IN Evansville: relocate transmitter |
| 1290 | KDMS | AR El Dorado: 2500/106 U1 |
| 1290 | KKAR | NE Omaha: 7300/5000 U1 |
| 1300 | WQBN | FL Temple Terrace: 5000/160 U5 |
| 1330 | WANG | NC Havelock: relocate transmitter |
| 1330 | WPJS | SC Conway: 5000/27 U1 |
| 1410 | WBZA | NY South Glens Falls: 1000/103 U1 |
| 1430 | WWLO | FL Gainesville: 10000 D1 |
| 1510 | KMRF | MO Marshfield: 5000 (1600 CH) D3, relocate transmitter |
| 1520 | KMAV | ND Mayville: 1300 D1, relocate transmitter |
| 1550 | WLOR | AL Huntsville: 50000/400 U4 |
| 1590 | KELP | TX El Paso: 50000/800 U4 |

OTHERNESS

| | | |
|------|------|--|
| 540 | KKGO | CA Costa Mesa: license CANCELLED, call DELETED at licensee's request |
| 550 | WASG | AL Atmore: silent station is ON THE AIR, CP for 25000/143 U1 is on |
| 550 | WSAU | WI Wausau: application for 15000/20000 U4 is DISMISSED |
| 590 | WWLX | TN Lawrenceburg: station is SILENT |
| 710 | WEPA | MS Eupora: license CANCELLED, call DELETED at licensee's request |
| 800 | KQCV | OK Oklahoma City: CP for 2500/1000 U4 is on |
| 810 | WCYK | VA Crozet: license CANCELLED, call DELETED at Licensee's request |
| 830 | WTRU | NC Kernersville: station is SILENT |
| 860 | WRFB | FL Cocoa: license CANCELLED, call DELETED |
| 1030 | WNVR | IL Vernon Hills: CP for 5000 (3200 CH) D3 is on |
| 1140 | KSLD | AK Soldotna: station is SILENT |
| 1140 | WRMQ | FL Orlando: CP for 5000 D1 from new site is on |
| 1150 | WLOC | KY Munfordville: CP to relocate transmitter is on |
| 1150 | KSRB | WA Seattle: CP for 10000/6000 U2 is on |
| 1190 | KMFX | MN Wabasha: station is SILENT |
| 1210 | KPRZ | CA San Marcos: CP for 20000/10000 U4 is on |
| 1220 | WQSA | FL Sarasota: silent station is ON THE AIR |
| 1230 | WTCJ | IN Tell City: CP for 850/850 U1 is on |
| 1230 | KWSN | SD Sioux Falls: CP for 440/440 U1 from new site is on |
| 1270 | CHWK | BC Chilliwack: CP to move to 103.9 is on (corrects FM frequency from last issue) |
| 1300 | KLAR | TX Laredo: CP for 1000/80 U1 is on |
| 1320 | KSDD | CA Hemet: station is SILENT, will return "this fall" |
| 1320 | WISW | SC Columbia: application for 5000/4500 U2 is DENIED |
| 1330 | WANG | NC Havelock: CP to relocate transmitter is on |
| 1370 | WBYE | AL Calera: station is SILENT for transmitter repairs, will return in October |
| 1390 | WAVP | FL Avon Park: silent station is ON THE AIR |
| 1400 | WPRY | FL Perry: silent station is ON THE AIR |
| 1460 | KTXX | CA Salinas: CP for 10000/10000 U3 is on |
| 1460 | WBUC | WV Buckhannon: CP for 5000/25 U1 is on |
| 1470 | WWBG | NC Greensboro: CP for 5000/5000 U4 is on |
| 1470 | WFJY | PA Portage: silent station is ON THE AIR |
| 1500 | CKAY | BC Duncan: CP to move to 89.7 FM is on |
| 1550 | KQWB | ND West Fargo: station is SILENT, appears to have moved to their new X-band assignment on 1660 |
| 1550 | KWBC | TX Navasota: application for 4000/500 U4 is DISMISSED |
| 1620 | KBLI | ID Blackfoot: new station is ON THE AIR |
| 1660 | KQWB | ND West Fargo: new station is ON THE AIR |
| 1700 | WEUV | AL Huntsville: new station is ON THE AIR and relaying WEUP-1600 |

THANKS: Bill Hale, Ed Krejny, Wayne Heinen, John Sanders, Les Johnson, Shawn Axelrod, Larry Godwin, Russ Johnson and MSJ.

It was good to see old friends again and fun to make new ones at the Lima Convention, and thanks to Fred Vobbe for a super job; both Buff and I had a great time. We'll see you next year in Pittsburgh. Heck, we can even commute to that one.

73 and Good DX Jerry Starr & Buffalo K. Foonman

Jerry & BKF

Domestic DX Digest

West: **Bill Hale** phantom2@caze.net

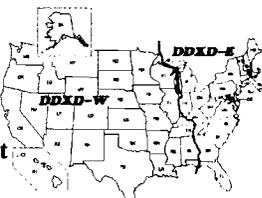
6124 Roaring Springs Drive - North Richland Hills, TX 76180-5552

East: **Michael Shaw** thousandislands@mediaone.net

25 Trask Ct Apt 14 - Beverly MA 01915-5370

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

(Division line is
between East and
Central time zones)



DDXD-West

MEDIUM WAVE RAMBLINGS

- We welcome first-time reporter **Larry Godwin** of Missoula, Montana. Another rare 'voice' from the West is heard from again!
- Some TIS/HAR items from **Gary Jackson** are straight from **John Schmidt**, Director of Cal Trans Traffic. **Gary** also notes he just received a QSL certificate from XEUT-1630.
- **Tim Hall**, after garnering more X-Banders, says: "This puts me at 27 out of 34 on the X-band (28 if I can ID KAZP). Would sure love to hear WEUP/WEUV-1700, as I never got WPHG-1620 when they came on (too much interference from San Diego State station 'KCR', which has since lowered its output dramatically)." **Shawn** sez: "Two new ones not bad for August. Conditions seem to be getting better which can only mean one thing here . . . winter is coming . . . ahhhhhhhh!!!!!!" And later **Shawn** writes: "Well two new ones on the first weekend of the new season . . . not bad. Too bad KQJD came on before the other stations on the frequency came on. Will make it harder to hear them..but then again the hobby is about hearing hard to get stations."
- Thanks to **Frank Aden** for e-mailing a picture of the exterior of the building, with sign, of CIYR-1230 Hinton and CKYR-1450 Jasper, Alberta he took while on vacation. Their side of the building says "Yellowhead Broadcasting, Ltd." whereas the other side says "Yellowhead Travel".
- MORE X-Banders hit the airwaves. And you can say you heard it first here (thanks to our reporters)! See below.
- Loggings are down, as Station News and Notes gets most of our ink ration this edition. Next issue is the start of the new Volume Year for DX News. The DDXD-West deadline is September 20th, at exactly 1800 hours on my Timex. Let's hear from y'all!

REPORTERS

- FA-ID** Frank Aden Boise <n7sok@aol.com>
SA-MB Shawn Axelrod Winnipeg Icom ICR-70 & Drake R8 + 4 Foot Unamplified Box Loop/Quantum Loop, 145' outdoor wire, 100' indoor wire, MFJ 1026 Phasing Unit <saxelrod@mb.sympatico.ca>
LG-MT Larry Godwin Missoula Hammarlund HQ-150 + Sanserino air-core box loop + Kiwa loop <lbg@selway.umt.edu>
TRH-CA Tim Hall Chula Vista ICF-2010, KIWA Loop <halls@inetwork.net>
GJ-CA Gary Jackson Sacramento FRG-8800 + Kiwa Loop
CR-IL Christos Rigas Wood Dale R-2000, ICF-2010, Kowalski Loop <crigas@birinc.com>
JJR-WI John J. Rieger South Milwaukee DX398 stock, Icom IC-R70, Kiwa loop, MFJ959B Tuner/preamp <johnrieger@webtv.net> or visit at <http://DX-midAmerica.com>
KR-AZ Kevin Redding Mesa Optimus 12-604A; GE Superadio III barefoot; original GE Superadio; Kenwood R-1000 and SM-2 antenna; GE 3-5280C <lwdxer@juno.com>
PR-OR Pat Roberson Portland Kenwood TS 450S + R7000 vertical folded dipole & Caradio or CCRadio <w7per@arrl.net>
JS-MN John Sampson DXing from Grand Rapids, Minnesota <jsampson@uswest.net>
JW-CO John Wilkins Wheat Ridge
Ed.-TX Editor North Richland Hills

WJJD • WJMK

180 North Michigan • Suite 1200
Chicago, IL • 60601

STATION NEWS & NOTES

- 570 KLIF TX Dallas - 8/15 - Due, in part, to abysmal ratings and lack of identity, is now IDing as Big 570 K-L-I-F, and has dropped the "Cliff" moniker. [Ed.-TX]
- 670 WSCR IL Chicago - 8/16 0430 - Good signal, with sports talk programming. Non-IDs as The Score 6-70 and Chicago's Sports Radio 6-70. Ex: WMAQ. NEW!! (SA-MB)
- 1160 WXRT IL Chicago - 8/15 0859 - WXRT AM and FM ID given, followed by news, sports and rock music. Since 8/15/00 local midnight, this frequency carries WXRT (FM 93.1) programming. The calls are WXRT AM, while the calls on 670 kHz officially became WSCR as of this day also. (CR-IL)
- 1190 KLUV TX Dallas - Has been sold to Radio One, who is expected to take over shortly (may have happened by the time you read this). Format is expected to change to black-oriented music and/or talk. Also expect a call change. [Ed.-TX]
- 1320 KSDT CA Hemet - "Has lost the use of its transmitter site and is off the air. Do you know of a single tower in the Hemet area that could be used to restore service on a temporary/emergency basis? Would you like to buy the station? It is for sale." (From the CGC Communicator)
- 1620 KBLI ID Blackfoot - 8/23 - Noted very strong with a talk show, then an ID at 2300. On-the-hour, the announcer IDed for affiliates KICN and KECN only, then SRN News. I suspect it might have been running 10 kW. (LG-MT)
- 1620 KBLI ID Blackfoot - 8/25 0100 - With ID and announcing that it was // KICN. The ID came after a show where people were talking about MK12 Ultra project in the 50s, then into news. Dominant over WTAW and KSMH. (KR-AZ)
- 1620 KBLI ID Blackfoot - 8/25 2240 - Poor signal, under KAZP and WHLY, with talk programming and local ads for Idaho. Multi-station ID. (SA-MB)
- 1620 KBLI ID Blackfoot - 8/26 0254 - Fair-to-good, mixing with WTAW and KSMH, with talk programs, ID on hour: The talk twins, 6-90 and 12-60, KICN Idaho Falls-Rexburg, KECN Blackfoot-Pocatello into what sounded like SRN news. New. (TRH-CA)
- 1620 KBLI ID Blackfoot - 8/27 0458-0830 - With ESPN Sports. No IDs heard, but after calling them their Carl Wright called me back saying they were testing with 800 watts when I heard them, but will on full time with full power soon. Also heard 8/28 with like programming. (GJ-CA)
- 1620 KBLI ID Blackfoot - No sign of them here in the daytime at all. I suspect the station running ESPN Radio with no IDs I have been hearing is them. The station goes to dead air during ID time for a few seconds. Good signal as soon as sunset occurs. (FA-ID)
- 1620 KAZPt NE Bellevue - 8/27 0641 - Fair, after presumed switch to day power, through KSMH and WTAW, with ESPN sports talk. Faded out around 0710. Web site is www.espn1620.com. (TRH-CA)
- 1620 WTAW TX College Station - I received a note from the CE at WTAW, who explained the chronology of call letters on 1620 as follows: Originally assigned KAZW; changed from KAZW to KZNE on March 1; changed from KZNE to WTAW on May 3. Adjust your log books accordingly! I think everybody sending a reception report last spring received a "WTAW" card, which did not reflect the actual situation. I had to change my April 1 logging to KZNE. (JW-CO)
- 1660 KQJD ND West Fargo - 9/1 - Noted on today (may have been on earlier but haven't had the radio on for quite a while) with NOS. Announcing as Star 1660 (or various iterations, with no mention of 1550) and gave KQWB call at ToH. Very faint signal on 1550 also, but too much static to determine who it was. Excellent signal. Grand Rapids is about 175 air miles from Fargo. (JS-MN)
- 1660 KQJD ND West Fargo - 9/4 0800 - ID for Your Memories Station, KQWB-West Fargo during a nostalgia music program, then CNN News. Miraculously KXOL-UT was running open carrier only at this time. (LG-MT)
- 1660 KQJD ND West Fargo - 9/4 1030 - Very good signal, with NOS or adult standards music. ID as: Star 15-50 and KQWB. Now on this frequency, and still // 1550. NEW! (SA-MB)



- 1660 KQWB ND West Fargo - 9/4 2223 - Fair, with many local ads, NOS and Star 1660 non-IDs. NEW! (JJR-WI)
- 1690 KSXX CA Roseville - Talked to Jaime Arbona of KSXX. They are surveying an antenna site and hope to be on by the end of January, 2001. (GJ-CA)
- 1700 WEUV AL Huntsville - 8/10 0600 - Heard with poor signal, under KBGG and KTBK, with gospel music. Not sure on call (WEUP or WEUV) as both have been listed on some sites. WEUV is still on 1600 as far as I know, so WEUV may be correct. NEW!! (SA-MB) [FCC sez WEUV, so let's call it that - Ed.]
- 1700 KBGG IA Des Moines - 8/10 0605 - Heard with CNN Headline News. IDs as *The all new AM 1700*. Seems to be CNN all the time now. (SA-MB)

UNIDs and UNID HELP

- 1160 UNID ?? - 8/26 0200 - Very poor with bits of rock and roll music. (SA-MB) [Probably WXRT Chicago - Ed.]
- 1190 UNID ?? - 8/23 0600-0610 - UnID station with what sounded like a religious sermon given in an Asian language. Briefly strong in the null of KEZY before fading out about the same time CFSL was getting stronger. On CCRadio. (PR-OR)

EQUIPMENT TEST

- 950 CFAM MB Altona - 8/29 0316 - Test tones and open carrier. Managed to hear WNTD, KKFN and WWJ under the test. (SA-MB)

TIS & OTHER STUFF

- 1320 TIS WI Milwaukee - 9/4 2330 - Fair, with This is AM 1320, General Mitchell International Airport. This is a test. Ex: 1610. NEW! (JJR-WI)
- 1580 TIS CA New Castle/Gold Run/Cisco Grove/Donner Summit corridor along I-80. Cal Trans now using this frequency for this stretch of the Interstate. (GJ-CA)
- 1610 TIS/HAR CA Dixon - 8/18 0422 - Giving details of an overturned truck at intersection of Highways 88 and 113. Roads are closed and detour info given. (GJ-CA)
- 1610 HAR CA Eureka - New HAR is going in here soon. (GJ-CA)
- 1610 TIS CA Smith River Canyon - Construction in progress on this soon-to-be-on TIS on Highway 199 at Collier Tunnel near the Oregon border. (GJ-CA)
- 1610 Super HARCA Yreka - Will be on soon from here. (GJ-CA)
- 1620 TIS CA Malibu - Talked to Cal Trans and they have plans to install five TIS stations along Ventura Freeway on this frequency. (GJ-CA)
- 1670 WNEG268 CA Sacramento - 9/1 - New TIS/HAR signed on today with updates about the "Watt Avenue Improvement Project" on *Watt Avenue Improvement Project Radio*. No mentions of Sacramento. Gave web site of www.wattave.org. [It works and I'll bet it's the only highway construction project with a dedicated web address! Has updates, photos, other stuff. Put on by the Sacramento County Department of Transportation - Ed.] No QSL address yet [Web site gives "906 G Street, Suite 510 Sacramento, CA 95814 - Ed.] (GJ-CA)



MIDNIGHT TO MIDNIGHT ELT

- 540 KNAK UT Delta - 9/2 0130 - With ID: *Radio for the family*, KNAK, Delta and into SRN News. First time heard for me. (KR-AZ)
- 970 WWIT NC Canton - 9/4 2300 - Fair, with *The New Cool* 970 non-IDs from 2247 until legal multi-city ID. Satellite oldies. Rare. (JJR-WI)
- 990 KTMS CA Santa Barbara - 8/6 2358 - with ToH ID and ad for a financial program, then a GEICQ ad and ABC News. (KR-AZ)
- 1030 KBUF KS Holcomb - 8/21 0121 - With ID: KBUF 1030, then *Lucille* by *Kenny Rogers*. (KR-AZ)
- 1080 KRPX UT Price - 8/17 0924 - With KRPX call sign. (AB-CA)
- 1180 KOFI MT Kalispell - 9/6 0105 - With ID after the news and into the *Jim Bohannon Show*. (KR-AZ)
- 1190 KMYL AZ Tolleason - 8/23 0500-0700 - Occasionally mixing with KEZY. Playing NOS. Weak. On CCRadio. (PR-OR)
- 1190 KEZY CA Anaheim - 8/23 0500-0700 - Very strong (S4) on the vertical antenna. Strong on the CCRadio as well. I was surprised at the strength of a 1300 watt station

- with the main lobe headed away from Portland. Mixing with others. KEX off the air for maintenance. (PR-OR)
- 1190 CFSL SK Weyburn - 8/23 0610 - Briefly fading in over an unknown Asian-format station, in the null of KEZY Country format, with song *Small Town Saturday Night*. Then KEX came back on with carrier and tone. On CCRadio. (PR-OR)
- 1370 KGNO KS Dodge City - 8/13 0630 - Fair, with calls & oldies. Not common. (JJR-WI)
- 1370 KGNO KS Dodge City - 8/20 0400 - With ID: *The Godfather of Rock and Roll*, KGNO Dodge City and song *Will You Still Love Me Tomorrow*. (KR-AZ)
- 1430 KEZW CO Aurora - 9/5 0120 - With jingle ID KEZW, then playing *Peg O' My Heart*. New. (KR-AZ)
- 1450 KMRY IA Cedar Rapids - 8/17 0128 - Poor, though clear, with calls. Satellite NOS. (JJR-WI)
- 1450 KOKO MO Warrensburg - 9/4 1039 - Fair-to-poor signal, with adult standards music but clear ID on the hour. NEW!! (SA-MB)
- 1620 WTAW TX College Station - 8/23 0655 - Fair, through KSMH, with Bloomberg's *On the Money* program, CBS News on the hour, and new slogan: *News and Talk for the Brazos Valley*, WTAW. (TRH-CA)
- 1660 KRZX TX Waco - 8/23 0632 - Poor-to-fair, through partial KXOL null, with Texas State Network news, promo for *Dr. James Dobson's Focus on the Family ... on News-Talk KRZI - KRZX, Waco*. New, for Texas #77. (TRH-CA)

DDXD-E

Welcome to the last DDXD-E column for V66 from "Guest Editor" Paul Swearingen, ghostwriting for Michael whilst he is settling into his new home in Florida. He sends his best to all; he has access to a computer in a library but won't be able to resume editing DDXD-E for awhile yet until he has room to set up his own computer, so until I tell you differently, send your loggings to 2840 SE Illinois Ave. - Topeka, KS 66605-1427 or <<plsBCBDXER@aol.com>>.

Some of the loggings below are ancient, but I'm including them, due to the time delay from forwarded items. Deadlines are fairly close to publication time, but kindly send your DX in dribbles rather than one big bunch, as I'm typing this up as I find little bits of time here and there. On with it!

STATION NEWS

- 1070 WLFE NY Plattsburg - 8 / 23 1950 to 2004 - fair. The former WGLY now has country format, relaying WLFE-FM - 102.3. Ad cluster, promo for WLFE bumper sticker and T-shirt, wx at 1954, followed by C & W mx. On-hour ID @ 2000 was "*Your kinda country, 102.3 WLFE-FM: St. Albans, WI.FF - AM: Plattsburg - Burlington*". I took a 'phone call @ 2005 and signal was gone (presumably s/off) when I returned to the dials @ 2010. (AR-ON)
- 1110 WSWF NY Seneca Falls - Add this to the list of daytimers who won't sign off. Stayed on 24 hr all July. (SK-PA)
- 1340 WOYL PA Oil City - New address and phone: P. O. Box 908 - Franklin, PA 16323-0908; 814-432-2188 (SK-PA)
- 1350 WOYK PA York - New address: P. O. Box 20249 - York, PA 17402 (SK-PA)

UNID

- 1630 ? ? - 7/13 0145+ - Code cracking through KCJJ/WPEW741. So weak it couldn't be heard when KCJJ was playing music. Still there at 0230 turnout. (SK-PA)
- PA ? - 7/20 2350 - ID sounded like "WNDY" with touchtones. Another NY state throughway station? (SK-PA)

SPECIAL

- 1360 WNNJ NJ Newton - 9/6 1825 - My Drake R8 blew its line fuse so I fired up the Collins. It was tuned to 1360 and lo and behold there was MYL beneath WDRC (about five air miles away). After I adjusted the phasor, WDRC disappeared and a ten-minute tape made of news, weather, sports by Susan George was followed by locally-produced MYL. Slogan: *Home of America's Best Music*. Called and got someone at WHCY who mentioned three or four stations located where he was. Address is 33 Newton Sparta Road in Newton 07860. New address, phone # is good per old Log. This thing heard in broad daylight but



disappeared after 1845. (RM-CT)

WEIRD

709.1 unID ?? - 9/5, 6 1956-2005+ - 1 sec. pulses; only heard in AM/weak & LSB/strong, zilch in USB; same noted on 1619.6 & 2327.2 (not quite 709.1 + 1619.6) 0020-0025. Which one of my appliances is talking to me? (HF-MI)

LOGGINGS

550 WICE RI Pawtucket - 8/13 2130 - Good; ID as "WICE Pawtucket-Providence... 550 The Buzz" and NY Yankees baseball, ex-WLKW. (BC-NH)

600 WBWL FL Jacksonville - 8/19 2105 - During a brief pause in WSJS programming, heard "will return to Jaguars football shortly on WBWL-Jacksonville". (RJ-NC)

610 WIOD FL Miami - 7/24 1745 - Very weak - traffic report sponsored by Bell South Mobility (RJ-NCp)

+ FL Miami - 8/22 2300 - Heard legal id at top of hour during WFNZ fade. (RJ-NC)

WTVN OH Columbus - 8/31 0613 - Fair in CKTB null w/promo for Ohio State football on WTVN. (MB-ON)

640 WNNZ MA Westfield - 8/13 2200 - Good; "WNNZ Westfield-Springfield... This is AM 640 WNNZ" and NY Yankees baseball, normally not heard here as antenna pattern has deep null in this direction. (BC-NH)

WMFN MI Zeeland (presumed) - 9/5 1923-1940+ - Papa Joe Chevalier sports call-in px; Papa Joe called vegetarians "Pita People". Sed they'd all go to Heaven and have a welcome BBQ; ads/Grand Bank, Dan Pfeiffer's MC Sports, Grand Rapids spots; One-on-One Sports spot; ID'd only as AM 6-40; Good (HF-MI)

680 WNZK MI Westland - 9/5 (see 690, below) *1945-1950+ - continued playing FF vocal before 690/680 switch announcement; VGood (HF-MI)

690 WOKV FL Jacksonville - 8/17 0105 - Good; CNN Radio news, Dr. Laura promo, weather, and Coast-to-Coast AM "...on News/Talk 690 WOKV. Depend on it!" (BC-NH)

WNZK MI Westland - 9/5 1940-1945* - M/EE, "We now request that you switch channels to 6-80 as WNZK begins its nighttime broadcasting"; 19:45 ELT; VGood (HF-MI)

730 WSC? SC Charleston - 2107 7/25 - Accu weather forecast followed by political talk show. (RJ-NC)

730 WACE MA Chicopee - 8/13 2315 - Good; "You're enjoying the music and ministry of Praise In The Night on the stations of the Carter Media Group, including AM 950 WROL Boston, AM 730 WACE Chicopee-Springfield, AM 830 WCRN Worcester, AM 1310 WLOB Portland, and FM 96.3 WLOB Rumford," over CKAC, very unusual to receive this at night. (BC-NH)

740 WRPQ WI Baraboo - 8/4 2207 - Alone with oldies, ID. Seldom heard; will try again for QSL (JF-ON)

WWNZ FL Orlando - 8/14 0020 - Poor; ad for insurance in Florida, political talk, 0100 ID, over an unID Caribbean music station in WJIB null. (BC-NH)

WTVN OH Columbus - 8/31 0613 - Fair in CKTB null w/promo for Ohio State football on WTVN. (MB-ON)

790 WAXY FL S. Miami - 8/25 1006 - New Orleans vs. Miami pre-season NFL game. "You're listening to Dolphins football on AM 790, WAXY, South Miami". (RJ-NC)

830 WEEU PA Reading - 9/1 2018 - Fair o/CHAM-820 slop w/talk on local high school football and promos for games to be broadcast on WEEU. (MB-ON)

WKTX OH Courtland - 8/22 2100 - Heard station sign-off. Announced power levels. Gave address of station, tower and studios. Easy copy with silent WXII. (RJ-NC)

830 WTRU NC Kernersville - 8/31 0910 - Wake Forest vs. Appalachian college football. Station recently changed calls WXII to WTRU. Format is now religious (vs. all news). (RJ-NC)

840 WKTR VA Earlysville - 8/30 0845 - "Thank you for listening to the ministry station - WKTR". Gos music format. [can finally hear 830 +/-, WXII is silent]. (RJ-NC)

850 WYLF NY Penn Yan - 8/20 0600 - Nostalgia instrumental format, station ID and then national network news (unsure who) at top of hour (RJ-NC)

860 WEVA VA Emporia - 8/25 0700 - "You're in touch with WEVA." Then local news. (RJ-NC)

900 WUAM NY Saratoga Springs - 8/16 2356 - Fair; "AM 900 WUAM Saratoga... and 1240 WVKZ Schenectady..." and NOS with IDs simply as "AM 900 and AM 1240." (BC-NH)

910 WRNL VA Richmond - 8/25 0722 - call in sports show. Focus on NFL backup quarterbacks. "Sports Radio WRNL." Budweiser commercial. (RJ-NC)

930 WMGR GA Bainbridge - 8/26 2031 - "We're keeping you informed on WMGR." Then a station ID jingle (RJ-NC)

940 KXTK IA Des Moines - 7/25 2310-2331 - Good in CINW phase null with oldies and "Oldies 93-3" slogans. Much tried-for before Montreal came back on, but nary a peep. Ex-KIOA. (JF-ON)

WNRG VA Grundy - 0820 8/6 - Reading of obituaries with frequent mention of Virginia Funeral Home in Grundy. ID jingle then C&W music. (RJ-NC)

WADV PA Lebanon - 9/1 2010 - Fair in CINW null w/"WADV, southern gospel music radio" jingle (MB-ON)

940 WCPC MS Houston - 8/26 2045 - Religious song then male announcer "This is WCPC in Houston" and then gone. Switch to night power? (RJ-NC)

970 WWIT NC Canton - 0835 8/6 - Announcer broke in between Gospel songs to announce "You're listening to gospel music on WWIT." (RJ-NC)

980 WXBQ VA Bristol - 0900 8/6 - One of several weak stations in WAAA null. Legal ID given at top of hour. - 8/24 2200 - Legal id at top of the hour followed by ABC news (RJ-NC)

1050 WJXY SC Conway - 1740 7/24 - Carpenters' tune, "Rainy Days & Mondays" (RJ-NCp)

1070 WFLI TN Lookout Mountain - 2020 8/14 - Promo for trip to Holy Land, mentioning WFLI (WM-MD)

1080 WFIV FL Kissimmee - 8/31 0905 - Alan Archer giving the WFIV forecast (nighttime lows in the 70's, with daytime highs in lower 90's). (RJ-NC)

1110 KFAB NE Omaha - 8/31 0648 - All alone on frequency (as they often are at sunrise) w/local wx, ID "KFAB news time is 5:49". (MB-ON)

1120 WDUF VA Duffield - 8/19 0818 - C&W format- Bob Wells and Texas Playboy song. Announcer extolling beauty of VA Mtns and Blue Ridge. ID given (RJ-NC)

1130 WPYB NC Benson - 0931 8/6 - "It's 9:30 on the Big Y, time now for the ?? Broadcast on WPYB" (RJ-NCp)

1140 KNEI IA Waukon - 9/1 0600 - Caught top of hour ID in partially-nulled WRVA: "Your home for real country is FM 103.5 KNEI Waukon". (MB-ON)

1150 WAVO SC Rock Hill - 1600 7/2 - Call in show on finances, playing of a hymn, id , USA Radio News (RJ-NCp)

1160 WTEL NC Red Springs - 0937 8/6 - Ad for funeral home in Red Springs. Then announcer read birthday and anniversary announcements. (RJ-NC)

WCCS PA Homer City - 2055 8/14 - Pirates-Astros baseball (WM-MD)

KSL UT Salt Lake City - 8/31 0630 - "KSL Salt Lake City" ID surfaced after Ad Council PSA, then disappeared into mush dominated by WXRT. Not new, but a pleasant surprise as I haven't heard KSL since the Carter administration. (MB-ON)

1200 WOAI TX San Antonio - 9/1 0605 - Another one I haven't heard in a dog's age, ID as "at 5:05 the news continues on 1200 WOAI", into state news. (MB-ON)

1230 WXLI GA Dublin - 7/5 0000 - During a moment of dead air after WAVP's ID, hrd a weak live ID; then blow out by ABC News. (SK-PA)

WTBC AL Tuscaloosa - 7/9 2300 - Live ID "This is WTBC, Talk - "shot up in jumble. QSL received on 7/24. (SK-PA)

WESX MA Salem - 7/9 2300 - Presumed with "Boston" jumping over WTBC ID. Unn. (SK-PA)

1280 CFMB PQ Montreal - 8/31 0639 - Fair over nulled CFYZ w/local traffic report in FF (despite multilingual ethnic format). (MB-ON)

WHTK NY Rochester - 9/1 1130 - Fair daytime signal over nulled CFYZ w/talk on Rochester R inos soccer team, PSA for a violence-free America, bottom of hour ID "Hot talk 1280 WHTK". (MB-ON)

1310 WRSB NY Canandaigua - 8/31 1800 - Triple-hea er ID: "You're listening to 1590 WASB, Brockport-Rochester, 1310 WRSB Canandaigua-Rochester, and Q-105.5

- WMJQ, Brockport-Rochester, the Sunshine Network". Fair-poor daytime signal at Musselman's Lake, but never heard in Toronto during daytime. (MB-ON)
- 1320 **WICO. MD** **Salisbury** - 7/5 2005 - End of ABC News; PSA for firemen's carnival. ID: "News-Talk 1320, WICO." Last heard this week one year ago. (SK-PA)
- WATR CT** **Waterbury** - 8/14 2230 - Good; "If you're looking for the greatest music of all time, you're in the right place. We've got the music of your life at WATR 1320 AM." (BC-NH)
- 1330 **CJYM SK** **Rosetown** - 7/5 2133 - Break "on the Headline Sports Network". That's the real name for the Blue Jays network. This is the only 1330 on their 2000 network list. Under some game of the Indian's network. (SK-PA)
- 1360 **WKOP NY** **Binghamton** - 7/20 2122 - Canned ID under WNJC OC "Like a fine wine, they're all here. 1360 WKOP." This is so rare that when last heard it had a c&w format. (SK-PA)
- WNJC NJ** **Washington** - 2300 8/14 - Spanish music heard, ID in English and Spanish; mention of NJ. Huge signal; must have been on day power. (WM-MD)
- 1380 **WHGT PA** **Waynesboro** - 6/28 2105 - Live c&w dj "WAYZ. That's number 9, checking in at number 8 on our countdown." Very clear, but faded quickly. Never heard atop or after LSS before (SK-PA)
- WTMC DE** **Wilmington** - 7/3 2022 - Male and female reporting traffic, "From south of Dewey Beach, Delaware Rt. 22, flaggers will be alternating traffic through the construction. Daytime lane closings will be occurring on Delaware Rt. 26. ... Here's your traffic information for the New Castle area roads." First time heard with these calls/format. At 2145: "You're listening to WTC, Travelers' Advisory Radio for the Delaware ... " faded out, but heard again at 0200 7/11; had to be running day power. (SK-PA)
- WVMI FL** **St. Petersburg** - 2258 8/15 - ID spoken by kid; Radio Disney. (WM-MD)
- 1400 **WICK PA** **Scranton** - 6/30 1957 - Ad for Joe Nardone's Gallery of Sound, Red Baron/Friendly's promo. WITK/WICK ID at 1958. 61 miles away, but only 2nd positive ID (SK-PA)
- WSIC NC** **Statesville** - 7/14 0000 - "WSIC Statesville is?." Then CBS News in jumble. (SK-PA)
- WDVZ WI** **Green Bay** - 7/14 0006 - PSA by female mentioning Green Bay. (SK-PA)
- WKPT TN** **Kingsport** - 2100 8/15 - ID heard in mess. (WM-MD)
- WPCE VA** **Portsmouth** - 2032 8/16 - Black Gospel Music, ID. (WM-MD)
- 1420 **WCED PA** **Dubois** - 2326 8/14 - After Monkees song, female saying "Classic 1420", oldies music. (WM-MD)
- WVJS KY** **Owensboro** - 8/12 2310 - "The best ??? is here on WVJS" (RJ-NC)
- WRCG GA** **Columbus** - 2107 8/15 - Padres-Braves baseball (WM-MD)
- 1430 **WENE NY** **Endicott** - 9/2 0605 - Fair-poor in CHKT null w/non-ID "The Yankees play on Sports Radio 1430" and promo for 1430theteam.com web site. (MB-ON)
- WBLR SC** **Batesburg** - 8/25 1025 - High school football game (the Panthers won 40-0). Ad for golf course and insurance agency in Batesburg. Legal ID before oldies music. (RJ-NC)
- 1460 **WBKC OH** **Painesville** - 2045 8/15 - Local ads heard; ID; minor league baseball game heard under Phillies game. (WM-MD)
- WKDW VA** **Manassas** - 2048 8/16 - Potomac-Wilmington minor league baseball; Black gospel-sounding music also heard; ID. (WM-MD)
- 1520 **WKWH IN** **Shelbyville** - 7/24 0650 - Surfaced with ID and into OLD music. Ex WSVL/WOOO for me (JF-ON)
- 1570 **WANR OH** **Warren** - 9/2 0635 - W/ad for Sterling-McCullough Funeral Home in Warren, local wx for the Mahoning Valley. QSLed as WOKG in 1984. (MB-ON)
- 1580 **WZKY NC** **Albemarle** - 8/14 2200 - Fair; jingle ID, oldies (The Doors, Beach Boys, etc.), over unID Spanish. (BC-NH)
- 1610 **TIS-1610 NC** **Holden Beach** - 7/23 2216 - An "info-merical" which lasted about 5 minutes ("This is Gary Staley with Access-One Mortgage - located just under the bridge on Holden Beach." Five minutes of info on buying and financing beach property). Later in the week a "talking house" ad appeared on frequency from Coastal Development Realty for 269 Ocean Blvd West ... only \$300K+!! (RJ-NCp)

WESB
NewsRadio 1490

- 1620 **WTAW TX** **College Station** - 8/4 2134-2203 - Fair at times u/o WHLY with Astros baseball, legal ID at 2101. New. (JF-ON)
- KPE 416 NC** **nr I-77** - 1015 8/6 - NC Dept of Transportation Advisory Radio. Advisory of construction on I-77 between mile markers 83-103. ID at end of tape loop. (RJ-NC)
- 1630 **WPEU?761MD** ? - 7/12 2150 - Fading up; sounded like "WPEU". The 761 was clear. The male version of the MD HAR. Location/address? (SK-PA)
- PA Philadelphia** - 7/20 2253 - Tape loop: "This is Philadelphia International Traffic Information Radio, o/u weak KCJJ. (SK-PA)
- 1650 **KCNZ IA** **Cedar Rapids** - 6/25 2300 - Fair with WHKT phased with ID as "KCNZ 1250 ad 1650", into CBS News. Ex KDNZ. (JF-ON)
- 1700 **WEUP AL** **Huntsville** - 7/31 0041 - Fair at times over jumble with GOS music, ID's. Another new ex-bander, making 1700 sound like a graveyard channel. (JF-ON). 8/2 2020 Mostly fighting with usual strong WAFN, but did get a full ID. Hrd again 8/4 2300 w/ ID strong over WAFN. (RE-PA)
- + **AL Huntsville** - 8/19 0915 - Call in prayer show "WEUP Testimonials". Good signal. Pastor answered each call with "Hello, WEUP." (RJ-NC)
- 1700 **WPIC-749 PA** **Philadelphia** - 8/3 1510 - Philadelphia Riverfront TIS formerly on 830 which was displaced by the strength of WEEU-830's signal after its move from 850. The only difference I note is that they don't at the moment seem to be using only the "WPIC" part as an attempted ID. It's a relatively short continuous loop speaking of events and sights. (RE-PA)

CONTRIBUTORS

- MB-ON Mike Brooker, Toronto, ON DXing in Musselman's Lake, ON (in York Region, approx. 45 km north of downtown Toronto) Panasonic RFB-45
- BC-NH Bruce Conti, Nashua NHR8B, MWDX-5, 100-ft wire, terminated 100-ft east sloping wire.
- RE-PA Russ Edmunds Blue Bell, PA HQ-150 w/ 2' unamplified air-core loop
- JF-ON Jeff Falconer, Clinton, ON Drake R8B, 45' vertical, 120' random wire (noise reduced via 9:1 xfmers), terminated EWE antenna, modified MFJ-1026, Timewave DSP-599zx
- HF-MI Harold Frodge, Midland MI Drake R8B + 85'/215' RW's, 125 ft. single loop Bearcat 600XLT + RS Discone
- RJ-NC Russ Johnson, Lexington NC Sears SR2000, CCRadio, YB-400PE, 2010, 803A, RS version of DT200V, 7600g Various loops
- RJ-NCp Russ Johnson, Holden Beach NC
- WM-MD William McGuire, Cheverly, MD DX-398
- RM-CT Ron Musco, Poquontick Collins?
- AR-PQ Andy Rugg, Cornwall, PQ SONY ICF - 6500W73

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International Jim Renfrew renfrew@localnet.com

DX Digest

61 Wilcox Street
Rochester, NY 14607-3832

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

I've been back to the Medium Wave side of things this week, and I'm happy to report reception of KQXX 1700 from Brownsville TX; not IDXD material ... but almost! Now that Miami is no longer Spanish, the KQXX signal comes through nicely with SS music and announcements.

A portion of Erik Stromsted's report will be held over until next column. I've run out of time to include it all.

Our family went to see the movie "Frequency" last weekend. It was fun to see a popular movie that uses the effect of an aurora on radio signals as the basis for the plot. As well, when was the last time you saw QSL cards used for scenery in a movie? In one respect the movie was implausible because the radio signals affected by the aurora traveled through time. On the other hand, I remember seeing an FM reception report on the Internet this summer dated the following day - I immediately congratulated our friend for his reception for the future. New physics? Nope, it was a typo! Well, I hope the future has many DX blessings in store for you!

Jim

TRANS-ATLANTIC DX

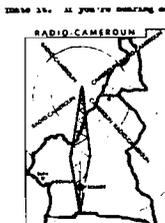
- 153 ALGERIA Bechar, AUG 4 0100 - Good signal, news, F AA newscaster. Also Germany under with news [Stromsted-MA] AUG 6 0158 - Arabic modern music similar to soft rock followed by AA news after pips at 0200 with husky female AA newscaster, loud S9+20. AUG 11 0135 - Two AA men in serious discussion. Signal strong S9+20. AUG 22 0308 - Arabic radio play? Man and woman shouting at each other in AA. Strong signal. [Stromsted-MA]
- 162 FRANCE RFI Alouis, AUG 06 0158 - EE man American vocal "I want you to get me some answers." Jazz combo-Sax, drums fast tempo, loud-S9+30 SEP 01 0056 - Jazz piano-fair signal // 1375 St Pierre, huge signal S9+60. [Stromsted-MA]
- 171 MOROCCO Radio Med.-Medi-1, Nador-AUG 04 0057 - Modern Arabic "rock" Fast tempo, M AA tenor vocal, drum & vibraphone? Good S9+20 signal. AUG 06 0205 Rock "Who I am..." The Boston Group, loud S9+25. [Stromsted-MA]
- 183 GERMANY Europe 1 AUG 05 0206 - FF female lyrics, slow French rock "...Bye Bye.", loud-S9+30. Morning program, FF female teletalk with caller amid much laughter..AUG 06 0230 - man and woman with National news. Huge signal S9+40 loudest TA. [Stromsted-MA]
- 189 ICELAND Rikisutvarpid, Gufuskalar, AUG 05 0054 - "When the Saints go marching in", Louis Armstrong classic, fair signal S9+15. AUG 13 0112 - Mostly American songs, rap and rock, no announcements, fair signal. AUG 07 0107 - S9+20 Loud rock: "Nothing is real" female American vocal, then soul music, and Icelandic rock band. AUG 22 0255 - spiritual "If you know...you can do it ...that speech on higher ground... He will lift you up.." then, Icelandic rock "...Gut, Gut (good, good?) Electronic music, loud S9+25. AUG 26 0050 "Something is wrong with me..." female and male American Blues, loud signal S9+25. SEP 06 0036 - piano medley of Broadway tunes.."Don't Blame Me" etc..Loud in full wide filter S9+25 [Stromsted-MA]
- 198 ENGLAND BBC synthros AUG 06 0207 - "Forest fires raging in Western US- 100,000 acre blaze in Montana..Crews from Canada and Mexico plus US Army and Marines helping many evacuees. EE news reporter. 0224 male and female news anchors..."World Cup protest by S. Africa against German victory dropped", loud, S9+20 // 6175 (S9+60). SEP 06 0230 - Tennis results. Hingis wins match...poor signal // 693 (loud) [Stromsted-MA]
- 225 POLAND Polskie Radio Konstantynow, AUG 05 0237 - male Polish announcer, western music male vocal, poor signal - power line interference. News in Polish, male and female newscasters, weak S9. AUG 25 0249 - western music, female EE. Good signal S9+30. [Stromsted-MA]
- 252 IRELAND New Atlantic Clarkstown, AUG 05 0205 - Slow rock, EE vocalists, "12 in a row...only on the new Atlantic 252", big signal-S9+35 [Stromsted-MA]
- 270 CZECH REPUBLIC Cesky Rozlas AUG 04 0226 - Rock with M vocal. 0230 News in Czech, deep voiced male newscaster USB, S9,+10 poor. SEP 06 0242 - teletalk, poor signal. 0243 more rock music with vocal, S9+15, aero beacon interference. [Stromsted-MA]



- 531 ALGERIA Ain-El-Beida, AUG 6 0017 - // 549 with emotional Arabic male vocal; over Spain. [Connelly*E-MA]
- 549 ALGERIA Les Trembles, AUG 6 0017 - Arabic male vocal and strings; loud, over others. [Connelly*E-MA] AUG 22 0015 - Fair; music and Koranic recitations // 153. [Conti-ME] SEP 06 0034 Arabic music-poor // 153, good. [Stromsted-MA]
- 567 IRELAND RTE, Tullamore, AUG 6 0014 - Elton John or similar vocal with piano, then woman in English; good. AUG 6 0019 - Bing Crosby or similar 1940's nostalgic vocal with big-band jazz; good. [Connelly*E-MA] AUG 05 0217 -Fast blues, EE singer S9+20 good, splatter from 570. S9+30 big signal! [Stromsted-MA]
- 576 CANARY ISLANDS // SPAIN RNE5 synthros, AUG 6 0009 - man with Spanish talk // 738, then vocal music; fair. [Connelly*E-MA]
- 585 SPAIN RNE1, Madrid, AUG 6 0008 - // 738 with music, Spanish talk; good. [Connelly*E-MA]
- 621 CANARY ISLANDS // SPAIN RNE1 synthros, AUG 6 0002 - Spanish news // 1413; to good peak despite strong WZON-620. [Connelly*E-MA]
- 639 SPAIN RNE1, La Coruna, AUG 6 0015 - dreamy new age music, then Spanish talk; over CBN het. [Connelly*E-MA]
- 648 SPAIN RNE1, Badajoz et al., AUG 6 0021 - poor with tropical jazz // stronger 639. [Connelly*E-MA]
- 657 SPAIN RNE5, Madrid, AUG 6 0022 - // 639 with bongo-drum jazz; fair, some WFAN slop. [Connelly*E-MA]
- 666 PORTUGAL RDP, Lisboa, AUG 6 0023 - // 836 with vocal & piano; poor. [Connelly*E-MA]
- 675 NETHERLANDS R. 10, Lopik, AUG 6 0028 - '70s disco, then Dutch talk; to fair peak, through WRKO slop. [Connelly*E-MA] AUG 02 0135 - A Beach Boys selection followed by some rock tunes. S9+15 at peak then faded away. SEP 05 0240 - American soft rock with female vocal, good peak S9+20 [Stromsted-MA]
- 684 SPAIN RNE1, Sevilla, AUG 6 0027 - jazz // 576, 774: fair signal, but tough WRKO slop at times. [Connelly*E-MA] AUG 29 0058 -Teletalk show, S9+35 good signal! "Radio Nacional de Espana". SEP 01 0245 - SS female singer slow romantic song with Latin beat. Sep 02 0347 - female SS vocal/rock, good signal, S9+25. [Stromsted-MA]
- 693 UNITED KINGDOM BBC, Droitwich et al., AUG 6 0026 - news interview mentioning Russians; poor to fair over jumble of others. [Connelly*E-MA]
- 711.04 WESTERN SAHARA Laayoune, AUG 6 0025 - bits of Arabic talk; slopped. [Connelly*E-MA]
- 738 SPAIN RNE1, Barcelona, AUG 6 0008 - // 585 with Spanish talk and musical interludes; fair over CHCM slop. [Connelly*E-MA]
- 765 SWITZERLAND RSR, Sottens, AUG 6 0007 - romantic 1950's style vocal; to fair peak. [Connelly*E-MA]
- 774 EGYPT Abis, AUG 6 0005 - Arabic female vocal and violins; crushing Spain! [Connelly*E-MA]
- 774 SPAIN RNE1 synthros, AUG 6 0024 - // 576 with tropical jazz with organ, saxophone. [Connelly*E-MA]
- 774 unID AUG 22 2355 - Weak audio, Koranic recitations, likely Egypt or Morocco but I couldn't find any parallels for positive ID, although EMWG and WRTH list Egypt sign-off at 2330. [Conti-ME]
- 783 SYRIA Tartus, AUG 6 0044 - Arabic vocal, strings, and drumming; rolling over Spain & Portugal. Good opening to the eastern end of the Mediterranean at the time. [Connelly*E-MA] AUG 18 0059 - presumed this with chanting, talk, then military-style march / anthem at sign-off; carrier cut at 0100. One of the strongest TA's noted on the dial this evening during generally marginal conditions. [Connelly*R-MA] AUG 22 0045 - Good; discussion in Arabic followed by Koranic recitations, sign-off at 0100 with brief announcement and militaristic march or anthem - not the Syria national anthem. I have a request out to EMWG correspondents to check this, as both WRTH and EMWG list Syria sign-off at 0045 on this frequency. Reception report also sent to Damascus for previous AUG 18 logging from Rockport, Massachusetts to try to confirm that this is indeed Syria. [Conti-ME] Not received at least by me so far. Syria follows summertime and signs off one hour earlier, at about 2340, so this is not Syria. I checked the frequency at 0100 last Friday but all I heard was Germany and Spain. Did you/were you able to check parallels for ALG on SW/MW? ENRS Djanet with 5 kW would be a nice catch! [Mauno Ritola, Finland., e-mail to Bruce]



- 836 AZORES RDP, Pico da Barrosa, AUG 5 2332 - emotional (almost operatic) female vocal and strings; poor. [Connelly*E-MA] AUG 18 0220 - Portuguese talk; poor with het from Canaries-837. [Connelly*R-MA] AUG 22 2345 - Good; rock/pop music, man in Portuguese, strong het against 837. [Conti-ME]
- 837 CANARY ISLANDS // SPAIN COPE synchros, AUG 6 0052 - Spanish talk by woman // 1296; poor. [Connelly*E-MA]
- 846 ITALY RAI Radio Due, Rome AUG 23 0525 - Fair; pop music, woman in Italian, couldn't hear 6060 parallel because of interference from whatever was on 6065. [Conti-ME]
- 855 SPAIN RNE synchros AUG 23 0515 - Excellent; talk in Spanish, huge signal interfering with 850 and 860 domestics. [Conti-ME] AUG 5 2330 - man with Spanish newstalk; starting to fade up. [Connelly*E-MA]
- 864 EGYPT Santah, AUG 6 0045 - stern, serious Arabic talk (sermon ?) by man. [Connelly*E-MA]
- 864 FRANCE R.Bleue, Paris AUG 23 0615 - Poor; man and woman in French // 1206. [Conti-ME]
- 882 CANARY ISLANDS // SPAIN COPE synchros, AUG 6 0034 - Spanish talk; over/under UK. [Connelly*E-MA] AUG 18 0113 - Spanish teletalk; fair. [Connelly*R-MA]
- 882 UNITED KINGDOM BBC Wales, Washford, AUG 6 0034 - English talk; mixed with Canaries-Spain. [Connelly*E-MA]
- 891 ALGERIA Algiers, AUG 5 2329 - female Arabic vocal; fair with WBPS phased. [Connelly*E-MA]
- 945 FRANCE R.Bleue, Toulouse AUG 23 0610 - Good; easy listening French vocal // 1206. [Conti-ME]
- 981 ALGERIA Radiodif. Algerienne, Algiers, AUG 5 2327 - Arabic male vocal in deep baritone; poor to fair, separated from 980 mess by using the regenerative output stage in the Superphaser-1 phasing unit. [Connelly*E-MA]
- 1026 SPAIN SER synchros, AUG 6 0035 - // 1575 with teletalk; poor. [Connelly*E-MA]
- 1044 MOROCCO Sebaa-Aioun, AUG 5 2321 - Arab string music, drums, vocal; to good peak atop Spain. [Connelly*E-MA]
- 1044 SPAIN SER synchros, AUG 6 0036 - // 1575 with '60s-type light pop music, then woman in Spanish; excellent. [Connelly*E-MA]
- 1062 DENMARK Danmarks Radio, Kalundborg AUG 23 0355 - Good; pop/rock music, man in Danish, fanfare into news. [Conti-ME]
- 1089 UNITED KINGDOM Talk Sport synchros, AUG 6 0038 - sports talk; fair with jumpy fades, WBAL phased. [Connelly*E-MA]
- 1098 SPAIN RNE5 synchros, AUG 6 0039 - // 576 with Latin American style jazz (brass, flutes, conga drums, piano); good / dominant. [Connelly*E-MA]
- 1107 SPAIN RNE5 synchros, AUG 6 0040 - // 1098 with tropical jazz. There was also a substantial-strength unmodulated carrier and bits of an Arabic station mixing in. [Connelly*E-MA]
- 1116 SPAIN SER synchros, AUG 6 0042 - // 1044 with fast Spanish talk by man. [Connelly*E-MA]
- 1125 SPAIN RNE5 synchros, AUG 6 0047 - // 738 with Spanish talk; poor with WBBR slop. [Connelly*E-MA]
- 1188 unID AUG 23 0330 - Strong carrier but weak audio, man and woman in unidentified language, Belgium or Hungary? [Conti-ME]
- 1197 SPAIN EI, Vitoria AUG 23 0320 - Good; continuous easy listening/instrumental music. [Conti-ME]
- 1206 unID AUG 6 0050 - Koranic vocal. Suspected to be Morocco, per information from European DXers. [Connelly*E-MA]
- 1206 FRANCE R.Bleue, Bordeaux AUG 23 0605 - Good; man and woman with news in French. [Conti-ME]
- 1206 ISRAEL KOL Israel, Haifa AUG 22 2350 - Fair; telephone talk in Hebrew, string music, and theme from 2001 Space Odyssey at the top of the hour into news. [Conti-ME]
- 1251 LIBYA Tripoli, AUG 5 2314 - man in Arabic, then a group vocal; fair audio on strong carrier about an hour before sunset. [Connelly*E-MA] AUG 19 2352 - Arabic music; in slop. TA conditions below average tonight. [Connelly*O-MA]
- 1296 SPAIN COPE, Valencia, AUG 6 0052 - // 837 with woman in Spanish; fair. [Connelly*E-MA]



- 1314 NORWAY NRK, Kvitsoy, AUG 18 0133 - rock music, then man and woman in Norwegian; to good peak. [Connelly*R-MA] AUG 23 0150 - Good; pop/folk music, man in Norwegian except when announcing the title and artist of the song "Love Is In The Air" by John Paul Young. [Conti-ME]
- 1359 SPAIN Arganda, AUG 6 0053 - bits of female vocal, then Spanish talk; badly chopped by CKBC. [Connelly*E-MA]
- 1377 unID AUG 6 0055 - Middle Eastern sounding music with strings; poor. European DXers have suggested Prizren (Kosovo) as a possibility with its Albanian programming. [Connelly*E-MA]
- 1385.92 GUINEA R. Rurale, Labe, AUG 19 2348 - African-accented French talk by man; poor to fair with WPLM phased. [Connelly*O-MA]
- 1413 SPAIN RNE5 synchros, AUG 6 0002 - // 621 with Spanish news; mixing with second station. [Connelly*E-MA]
- 1422 ALGERIA Algiers, AUG 5 2357 - monster carrier with thin (almost non-existent) audio; Germany audible well under. [Connelly*E-MA]
- 1485 SPAIN SER synchros, AUG 5 2356 - // 1575 with light pop American-style female vocal, then man in Spanish; to good peak. [Connelly*E-MA]
- 1512 SAUDI ARABIA BSKSA, Jeddah, AUG 18 0136 - Koranic recitation; fair through WNRB slop. [Connelly*R-MA]
- 1512 GREECE ERA Chania (Khania), Crete AUG 23 0215 - Fair; telephone talk in Greek, in difficult to maintain null on WNRB 1510 interference. [Conti-ME]
- 1521 SAUDI ARABIA BSKSA, Duba, AUG 5 2252 - male Koranic vocal; already very loud more than an hour before sunset ! It was at least 20 dB stronger than any other Trans-Atlantic signal noted at the time. [Connelly*E-MA] AUG 19 2247 - het fade-in. [Connelly*O-MA]
- 1521 SPAIN SER, Castellon, AUG 5 2351 - // 1575 with man & woman in Spanish; very good (Saudi off at this time). [Connelly*E-MA]
- 1530 SÃO TOME E PRINCIPE VOA Relay, Pinheira, JUL 29 0300 - good (way over WSAI) at sign-on with Yankee Doodle marching band music and ID by man "This is the Voice of America". News followed. This was heard outside the Oceanview Inn in Gloucester, MA during Ben Dangerfield's visit to the area. [Connelly*G-MA]
- 1530 VATICAN Vatican R., AUG 5 2350 - interval music, then a woman gave "Radio Vaticana" ID; dominant with WDJZ/WVBF (both to the west) in cardioid array null. [Connelly*E-MA] AUG 23 0545 - Fair; man in French with "catholique" mentions, gone by 0600, in WSAI null. [Conti-ME]
- 1539 SPAIN SER, Manresa/Elche, AUG 5 2347 - // 1575 with SER Spanish newstalk; mixed with unID station (Germany ?). [Connelly*E-MA]
- 1548 KUWAIT VOA, Kuwait City, AUG 5 2341 - US man & woman with an interview: talk about someone who "died of a broken heart", then mention of "large amount of federal funding"; fair. [Connelly*E-MA]
- 1550 ALGERIA RASD Clandestine, Tindouf, AUG 5 2345 - male Arabic talk, then a Berber female vocal with accompaniment by what sounded like a ram's horn (or synthesized imitation). Signal was good and actually aided by WNTN's blank carrier being present at about equal level (de facto "exalted carrier" audio enhancement during fades). Het from VOA-1548 reduced by tuning to higher side. [Connelly*E-MA]
- 1566 unID AUG 19 2343 - bits of Mideast-sounding female vocal at low audio level; jumpy signal with polar-flutter type fade pattern. Probably Iran, though possibly India on greyline enhancement. [Connelly*O-MA]
- 1575 SPAIN SER synchros, AUG 5 2347 - // 1539 with man & woman in Spanish; over apparent Arabic music station. [Connelly*E-MA]
- 1583.6 CEUTA RadiOle, AUG 5 2254 - pop vocal; fair, fading up, hetted by SER-1584. [Connelly*E-MA]
- 1593 GERMANY RFE Holzkirchen AUG 21 2350 - Fair; man and woman in Slavic language, classical music to the top of the hour. [Conti-ME]
- 1602 SPAIN AUG 5 2300 - EI Vitoria and SER net stations at about equal strength. [Connelly*E-MA]

PAN-AMERICAN DX

- 530 TURKS & CAICOS R. Vision Cristiana, AUG 6 0018 - psalm with response sequence: repeatedly a man said a short sentence, then a woman responded with a similar length sentence; loud



- signal. [Connelly*E-MA] AUG 19 2200 - Spanish religion noted weak on groundwave; over Weston, MA and Atlantic City, NJ TIS stations. [Connelly*O-MA]
- 550 PUERTO RICO WPAB Ponce AUG 22 0400 - Fair; "Cadena Radio Puerto Rico" network ID and telephone talk in YVKE null. [Conti-ME]
- 550 VENEZUELA YVKE Mundial, Caracas AUG 22 0357 - Fair; "En YVKE, once cincuenta y siete minutos, hora Mundial" time check and merengue music. [Conti-ME]
- 555 ST. KITTS & NEVIS ZIZ, Basseterre, AUG 6 0016 - Caribbean English talkshow; fair. [Connelly*E-MA] AUG 20 0017 - bouncy soca vocal and a Caribbean DJ who frequently talked over the music. Good signal. [Connelly*O-MA]
- 580 PUERTO RICO WKAQ, San Juan, AUG 20 0015 - jazz interlude, then WKAQ jingle and Spanish talk mentioning several cities in Puerto Rico; good, dominant. [Connelly*O-MA] AUG 22 0020 - Good; ad string with many Puerto Rico mentions, "Cadena Radio Reloj" ID. [Conti-ME]
- 600 CUBA R. Rebelde, CMKV, Urbano Noris, AUG 20 0010 - // 710 with operatic male vocal; huge. [Connelly*O-MA]
- 610 COLOMBIA R Difusora Nacional, AUG 29 1000 - long instrumental NA into SS male ID over instrumental music bed, into cumbia-influenced bachata. Have noted allnighter bachata here irregularly, wonder if they extend 24 hr sometimes. Poor/fair through WIOD. [Crawford-FL]
- 630 CUBA R. Progreso, AUG 20 0114 - // 640 with old-fashioned slow male Spanish vocal; under WPRO/WSKN. [Connelly*O-MA]
- 630 PUERTO RICO WSKN, San Juan, AUG 20 0020 - Spanish discussion of local municipal governments and regional affairs; good with WPRO phased. [Connelly*O-MA] AUG 22 0030 - Fair; telephone talk in Spanish through WPRO/CFCY. [Conti-ME]
- 640 CUBA R. Progreso, Guanabacoa / Las Tunas, AUG 20 0114 - romantic old-style vocal // 630; dominant. [Connelly*O-MA]
- 640 VENEZUELA Union Radio, Puerto la Cruz AUG 22 0205 - Good; "Union Radio, el servicio Latinoamerica..." and baseball report mentioning the Baltimore Sun on the Internet. [Conti-ME]
- 650 COLOMBIA RCN Antena Dos, Bogota AUG 22 0430 - Fair; "Antena Dos, Colombia" ID and salsa music. [Conti-ME]
- 670 VENEZUELA R. Rumbos, YVLL, Caracas, AUG 20 0009 - Venezuela news; fair. [Connelly*O-MA] AUG 22 0302 - Good; "Once dos minutos, hora Rumbos" time check. cumbia music. [Conti-ME]
- 670 CUBA R.Rebelde, Arroyo Arenas AUG 14 0300 - Fair; "Rebelde, la Habana" ID and "romance a la media noche" romantic music program. [Conti-NH]
- 680 PUERTO RICO WAPA, San Juan, AUG 20 0005 - Spanish news including a report about the sunken Russian nuclear submarine, then "Wapa" jingle and spoken ID; loud, actually over WRKO some of the time. [Connelly*O-MA]
- 690 ANGUIILLA Caribbean Beacon, The Valley, AUG 20 0007 - strong and aione on channel with preacher (// 6090) who referred to "National Enquirer type journalism". [Connelly*O-MA] AUG 22 0310 - Fair; alternating between English and Spanish translation from Exodus, in CINF null. [Conti-ME]
- 690 CUBA R.Progreso, Jovellanos AUG 14 0310 - Fair; documentary featuring hits by the Platters // 640 & 890 in CINF null. [Conti-NH]
- 700 VENEZUELA R.Popular, Maracaibo AUG 15 0110 - Poor; many Popular IDs through presumed R.Net-Colombia/R.Sur-Venezuela melee in WLW null.
- 700 VENEZUELA R.Sur, Puerto Ordaz AUG 22 0120 - Fair; "la senal gigante de Venezuela" ID. [Conti-ME]
- 710 CUBA R. Rebelde synchros, AUG 20 0010 - // 600 with operatic vocal; under WOR. [Connelly*O-MA]
- 720 VENEZUELA Oriente 720, Porlamar AUG 22 0135 - Good; "la hora Oriente" time check, "en su automovil, en la oficina, ... Oriente 720." [Conti-ME]
- 740 PUERTO RICO WAIC San Juan AUG 22 0150 - Good; "Radio Puerto Rico, la primera cadena" over unID saisa. [Conti-ME]
- 750 VENEZUELA RCR, YVKS, Caracas, AUG 18 0110 - Caracas newstalk, RCR ID; good. [Connelly*R-MA] AUG 22 0106 - Good; "RCR 750" ID, news from Caracas, and "RCR Internacional" promo. [Conti-ME]
- 750 CUBA R.Progreso, Trinidad AUG 14 0500 - Poor; nostalgic salsa // 640, 690, & 890 under WSB. [Conti-NH]



- 760 BRAZIL R. Record, ZYH888, Fortaleza, AUG 18 0102 - Portuguese preaching, folk-style hymn; briefly good over apparent Guyana. Later the channel became a total jumble. [Connelly*R-MA]
- 760 COLOMBIA RCN, HJA], Barranquilla, AUG 20 0126 - // 770 with news in Spanish about Colombia; atop Cuban Reloj and low growl. [Connelly*O-MA] AUG 22 0105 - Fair; "la radio de Colombia" jingles over rumble. [Conti-ME] AUG 14 0205 - S man and woman with news, strong S9+30 with WSB way under. [Stromsted-MA] (WJR, not WSB, I presume - Jim)
- 760 CUBA R. Reloj, Las Mercedes & Guanabacoa, AUG 20 0001 - Reloj ticks and beeps; in mess. [Connelly*O-MA]
- 770 COLOMBIA RCN, HJXX, Bogota, AUG 20 0127 - // 760 with Colombian news; under WABC. [Connelly*O-MA] AUG 22 0103 - Good; "RCN momente deportivo" and "la radio de Colombia" ID, over WABC. [Conti-ME] SEPT 1, 0620-0630 - good w/newscast, "R-C-N" ID's and ads. Mixing with RJR, with usual Jamaican callers. [Krueger-FL]
- 780 VENEZUELA R. Coro, YVMN, Coro, AUG 20 0112 - Radio Coro ID emerged out of a huge pile-up of Latin American signals. [Connelly*O-MA] AUG 14 0510 - Fair; "...Radio Coro, patrimonio de la comunidad" and "para bailar... Radio Coro" jingle, latino pop music, over WBBM. [Conti-NH]
- 780 VENEZUELA Ecos del Torbes, San Cristobal AUG 15 0030 - Fair; "Ecos Ciclismo" bicycling talk program (bicycling is a popular sport in Venezuela), full ID "Esta es Ecos del Torbes... YVOC 4980 kilohertz, banda de 60 metros, YVOD 780 kilohertz onda large, 50 kilowatts, YVSC 9640 kilohertz la banda internacional de 30 metros, en San Cristobal, Venezuela... Ecos del Torbes, el sonido mejor de los Andes." [Conti-NH]
- 800 NETHERLANDS ANTILLES PJB, Trans World Radio, Bonaire, SEPT 2 0714-0716 - good in passing with PP preacher. [Krueger-FL]
- 810 BAHAMAS ZNS3, Freeport, AUG 20 0111 - US-type soul vocal, then black DJ took phone calls from local listeners; over/under WGY. [Connelly*O-MA]
- 830 ST. KITTS & NEVIS TBN, Basseterre, AUG 18 0112 - // 7510 with black Baptist preacher; over WCRN/CFJR. [Connelly*R-MA] AUG 30 0920 - local pgming, Carib EE woman with UTC-4 timechecks, morning greetings between old American anglo gospels. Poor thru Reloj even on 500 ft longwire. [Crawford-FL]
- 850 CUBA R Reloj, AUG 31 0918 - R. Reloj morse thru WRUF/etc. [Crawford-FL]
- 910 VENEZUELA RQ-910, YVRQ, Caracas, AUG 20 0024 - 'erreh-coo' (RQ) slogan, Spanish talk; atop jumble. [Connelly*O-MA] AUG 16 0412 - Fair; "Q-AM" IDs and salsa music through WNEZ rap music and WRNL. [Conti-NH]
- 920 DOMINICAN REPUBLIC Estéreo 920 (presumed ID), AUG 30 0940 - SS man chatter, bachatas, UTC-4 timechecks, good peaks well over channel rumble. 0945 "buenos días Santo Domingo, buenos días República Dominicana." Not generous on actual IDs though. [Crawford-FL]
- 930 PUERTO RICO WEKO "Radio Puerto Rico", SEP 1 0935 - listed as Cabo Rojo, 0935 SS man with news punctuated by many ads, 0941 ID UTC-4 timechecks, good peaks. [Crawford-FL]
- 940 CUBA R. Reloj, AUG 20 0123 - Reloj program slugging it out with CINW/WIPR/YVNN mix. [Connelly*O-MA]
- 1000 COLOMBIA RCN Cartagena AUG 16 0300 - Good; "RCN la radio de Colombia" jingles and "Nocturna RCN" news. [Conti-NH]
- 1020 VENEZUELA Mundial Margarita, YVRS, La Asunción, AUG 20 0031 - brassy salsa music; loud. [Connelly*O-MA] AUG 16 0250 - Fair; time check "...hora Mundial," Latino pop vocals, through KDKA. [Conti-NH]
- 1060.3 COLOMBIA unID city, AUG 20 0121 - news in Spanish with many Bogota mentions; to good peak over 300 Hz het from KYW and Cuba on 1060.0. I'm now 99% sure that this chronically-off-channel station is a Colombian, but the "which one" question still remains until a positive ID is heard. [Connelly*O-MA]
- 1070 COLOMBIA Emisora Atlantico, Barranquilla AUG 16 0150 - Fair; Emisora Atlantico jingle, time check, Barranquilla mention, salsa music, with CBA nulled out. [Conti-NH]
- 1070 VENEZUELA Mundial Zulia, Maracaibo AUG 16 0215 - Fair; "Mundial Zulia, la lider en sintonia," accordion/ranchera music. [Conti-NH]
- 1080 VENEZUELA R. Barcelona, YVQJ, Barcelona, AUG 19 2357 - Radio Barcelona ID; fair, dominant. [Connelly*O-MA]
- 1090 VENEZUELA Union R., YVSY, Caracas, AUG 18 0047 - Union Radio mention, fast newstalk; good, over WBAL. [Connelly*R-MA] AUG 22 0510 - Poor; "Union Radio... 24 horas" promo through WBAL/CKKW. [Conti-ME]



- 1100 ANTIGUA R. ZDK, St. John's, AUG 18 0044 - Caribbean accent talkshow, local commercial; good, over low growl. [Connelly*R-MA]
- 1100 NETHERLANDS ANTILLES PJJL-3 R.Caribe, Willemstad AUG 16 0105 - Very tentative; thought I heard Radio Caribe ID in newsbreak by soft-spoken woman, Spanish vocals. With everything else including CARACOL-Colombia and WTAM nulled, this signal was barely above the noise floor and readable only for a few minutes before being buried by CARACOL and domestics. [Conti-NH] (If so, first time reported here - Jim)
- 1110 VENEZUELA R. Carupano, YVQT, Carupano, AUG 18 0054 - "en Carupano!" mention, into romantic adult-contemporary vocal; excellent. [Connelly*R-MA]
- 1140 VENEZUELA La Voz del Caribe, Porlamar, AUG 19 2335 - announcer said "Buenos noches Porlamar."; over growl from unID on 1139.59. [Connelly*O-MA]
- 1160 BERMUDA VSB3 Hamilton AUG 23 0140 - Fair; BBC World Service "Focus On Faith" report about intolerance in Australia and India // 9590. [Conti-ME]
- 1170 COLOMBIA CARACOL, HJNW, Cartagena, AUG 18 0150 - Colombia news; dominant. [Connelly*R-MA] AUG 16 0020 - Good; ads for Aguila beer, "para Colombia... para Uruguay" mentions in sports commentary. [Conti-NH]
- 1180 CUBA R.Relej, Nueva Gerona AUG 15 0135 - Weak under strong R.Rebelde-Cuba signal with no sign of WHAM. [Conti-NH]
- 1190 MEXICO XERV, Villahermosa, Tabasco, SEPT 2 1040-1106 - "R — ("Villa?)" near tune in, lots of rancheras, Villahermosa store ads. Across top of hour without formal call letters ID, NA or the like. Ad block again from 1103, the first beginning with "Atencion Tabasco..." Very good. [Krueger-FL]
- 1200 CUBA R Revolucion, Palma Soriano, Santiago de Cuba, SEPT 1 0647-0657 - Mexican and bolero music fills, live male dj with frequent IDs, woman with canned ID referenced "F-M" (but frequency not copied, and none previously entered on my list), into man talk regarding "grupo Moncada." Caribe-1270 also noted running all night (with usual overmod audio, and Relej transmitter underneath as well). Also noted Revolucion in passing on Sept 2 at 1042, and 1210 parallel making it then. Strong, both times. [Krueger-FL]
- 1200 VENEZUELA YVOZ, Caracas, AUG 18 0059 - Radiotiempo ID through nulled WKOX. [Connelly*R-MA]
- 1210 VENEZUELA R. Anzoategui, YVZI, Barcelona, AUG 19 2324 - local ads; mixing with WPHT. AUG 19 2337 - "Anzoategui AM" slogan; good with WPHT nulled. [Connelly*O-MA]
- 1280 BERMUDA VSB2, Hamilton, AUG 19 2350 - hymn by choir; good, way over WADO/WFAU/WEIM pile. [Connelly*O-MA]
- 1290 CUBA R Taino, SEPT 3 0538-0602 - is indeed running 24h, so might be heard by others beyond FL. Cuban oldie vocals, female SS dj and ID 0559, then the usual top of hour SS woman and EE man ID ("This is R Taino, Tour Radio from Havana, broadcasting 24 hours a day"). Fair on peaks, mixing with weaker domestics and an unID LAM. [Krueger-FL]
- 1360 CUBA R Cadena Agramonte, Rodolfo Ramirez Esquivel, Camaguey, SEPT 3 0519-0538 - also noticed running all night (still there after 0600 recheck), Cuban oldie vocals, male ID's. Have not been able to hear Agramonte on 1580 for ages, wonder if they are still there? [Krueger-FL]
- 1375 ST. PIERRE ET MIQUELON RFI, SEP 01 0056 - huge signal S9+60 // 162 Alouis, jazz piano (fair signal). [Stromsted-MA]
- 1375.02 ST. PIERRE ET MIQUELON RFO, AUG 6 0054 - Caribbean style (soca / zouk) music; good. [Connelly*E-MA]
- 1450 UNIDENTIFIED, SEPT 2, 1819-1821 - in tuning past 1450, noted that WSBP-Sarasota was malfunctioning, with open carrier only. A weak SS station was audible under the carrier, with man and woman patter over piano filler. Quickly checked local stations running SSP at this time (680, 760, 820, 1300, 1490 and 1500), and not a mixing product. Once the audio was back up at 1821, hopeless. Domestic? Or Cuban? [Krueger-FL]
- 1500 MEXICO XEDF Cadena Radio Uno, Mexico, DF, SEPT 2 1027-1034 - tune in to male canned "Cadena Nacional Radio Uno - Radio Formula" then into SS version of 50's/60's pops. Another canned ID, "Cadena Radio Uno radial, desde la ciudad de Mexico." Very good. [Krueger-FL]
- 1500 VENEZUELA R. Dos Mil, YVRZ, Cumana, AUG 19 2340 - romantic ballad, then a "Dos Mil" slogan; over WTOP. [Connelly*O-MA] AUG 22 0448 - Fair; "Radio Dos Mil, cuarenta y ocho minutos" time check,



- "Por Radio Mil..." ID, salsa and romantic music. [Conti-ME]
- 1530 MEXICO XEUR "15-30", Mexico, DF, SEPT 2, 1014-1027 - seemingly automated format, with male "15-30" and "onda media 15-30" ID's between elevator music instrumentals, ad block for Mexico stores, EZL EG vocal at 1026. Very good. [Krueger-FL]
- 1580 VENEZUELA Q-AM unknown site AUG 22 0335 - Fair; salsa music, many "Q-AM" IDs and mentions of RQ, apparently simulcasting Q-AM 910 Caracas. [Conti-ME]
- 1580 COLOMBIA HJQZ, Barranquilla, AUG 18 0140 - Spanish talk, Barranquilla mentions; mixed with 1 or 2 other Latin Americans. [Connelly*R-MA]
- 1630 ARGENTINA R. Red 92, Buenos Aires, AUG 20 0117 - Spanish pop vocal, talk; slightly over unID US station. [Connelly*O-MA]

Bruce speaks: "To be or not to be... The ionosphere must be in a state of confusion, undecided on whether or not to be auroral. Like what was experienced during the Rockport, Massachusetts "DX Clams" DXpedition last week (AUG 17-18), both nights of a final summer Maine DXpedition (AUG 21-23) started out with a brief transatlantic opening quickly fading to auroral-like followed by improving transatlantic conditions. I didn't take any notes on most of the typical signals from Spain that have already been heavily reported over the summer, instead concentrating on more challenging signals. There was a good transmitter site dawn enhancement producing signals from Italy and France. The south wire must have been aimed directly at Puerto Rico, heard on a number of frequencies. No sign of Cuba except for R.Rebelde on 1180. Next visit to mid-coast Maine on Columbus Day / Canada Thanksgiving weekend, weather permitting."

STATION NEWS

- CANARY ISLANDS: 1008 R Las Palmas changed network from La Voz to Onda Cero. REOM, Arranz Sanz, EuroLog 30.7.2000; via ARC Info Desk, AUG 2000 e-mail]
- CHINA: Over the last days I have had an amazingly strong reception of a Chinese-speaking station on 1377 Khz. Especially on August 30th I noted a very very strong signal at 2100 UTC on 1377 AM, the programme was in parallel to the CNR 1-programme on 7935 SW. The signal was so strong that I can hardly believe this was coming from China and I thought: well maybe some DX'ers are fooling us and have rented a tx somewhere in Europe to relay the px from 7935!! But: many other European DX'ers have logged it as well (for instance Christoph Mayer, Mauno Ritola and Max van Arnhem amongst others logged it before me) and I have not heard anything on European relays of this Chinese programme, so this must have been an amazing DX-catch, all the way from China! There is still nothing definite about the exact location of this tx: Fujian is mentioned and so is Urumqi. Anyone an idea?? If someone wants to hear how strong I heard this station here in Holland on August 30th, I have a 46 Kb-file available for anyone interested. Also I have a 138-KB file of the same station logged and recorded on Sept. 2nd 2000 at 2100 UTC with the top-of-the-hour procedure. Signal is still strong, but not amazingly strong as on August 30th!! [Julius Hermans, Netherlands, in *Medium Wave Circle* e-mail]
- CUBA: Several comments about Harley's station on 950 reported last time: "Actually, the 950 transmitter site is likely in the Habana area, that is, within Ciudad de la Habana province. This per my monitoring ever since the signal appeared at much greater level (local level, in fact, daytime at my location) quite awhile back. Some months ago (in IDXD), Osvaldo Rodríguez of Radio Relej confirmed all the transmitter sites, and listed Ciudad de la Habana for 950. It is believed per his list, and my observations here in Clearwater and the Keys, that there is no Sancti Spiritus Relej site (that is to say a 2nd transmitter site) any more. The old listed 1 kW power is certainly incorrect as well; 950 is on par with 590, 640 and 1180 as the strongest transmitters from the western half of Cuba." [Krueger-FL] "Regarding your remark about only one station in Sancti Spiritus, there is a new one reported by Granma website July 22 via BBCM, Voz de Yaguajay, the 65th station in the country, initially on the air 0800-1300 local (time misconverted to UT but should be 1200-1700), 1 kW, from the town of Yaguajay. Will expand to 18 hpd and add 300-watt FM. No frequencies mentioned!" [Glenn Hauser]
- DENMARK: 1062 R Denmark have advised me that they broadcast 5 mins of nx in English Mon-Fri at 0740 on 243 and 1062; at 0900, 1510, and 2000 on 1062. [PT in WDXC Aug, Contact Jul 30, via BC-DX; via ARC Info Desk, AUG 2000 e-mail]
- FALKLAND ISLANDS: "At Approximately 11:00 AM on Monday, 07 August 2000 the Medium Wave transmitter owned by the Falkland Islands Government was clipped by a Tornado Aircraft. The mast was damaged to the extent that Medium Wave transmissions were knocked



out. The aircraft was returning from a routine sortie over Stanley Airport shortly before the accident occurred. According to a Military spokeswoman the aircraft was returning to Mount Pleasant when it took evasive action in order to avoid collision with a civilian plane. She went on to say that Military authorities are investigating the accident and that the pilot and crew did not receive any injuries. There was some damage to one wing of the aircraft, however. A full report will be forthcoming." [J. Brock (Falkland Islands News Network), n6kuy/rec.radio.shortwave, via Paul Bowery in *Medium Wave Circle* e-mail]

FRANCE: According to a message in fr.rec.radio 'Radio Bleue' becomes 'France Bleu' on September 4th. [Piet Pijpers in *Medium Wave Circle* e-mail] Yes, so it will... And all local stations on FM (and the few that also use MW) will change names too. For instance Radio France Alsace on 1278 kHz will be known as "France Bleu Alsace". Actually Radio France are integrating three programmes into a single one: Radio Bleue, Le Mouv and the network of local and regional stations become a single network called France Bleu. Also the MW network will now be on 24 hours a day, another instance of how stupid the guys who run Radio France are. When FM and MW carried different programmes they would close down most (sometimes all) MW station after 7 PM local time. Now that they carry the same stuff they leave them on... What for? Also I'm afraid that in the long run the FIP network will merge into "France Bleu". Oh and BTW, maybe someone ought to teach those idiots at Radio France a bit of French grammar and spelling because in correct French the station should be called "France Bleue" and not "bleu". [Rémy Friess in *Medium Wave Circle* e-mail]

GERMANY: 576 From August 28 Mega-Radio will broadcast regular programmes from a studio at Schwerin daily between 6 AM and midnight (0400-2200) on Wöbbelin 576. It is intended to start broadcasting on its other allocated frequencies within the next six months. This acc. managing director Horst Bork, who is annoyed that he has to do without Jülich-702 and Nordkirchen-855 but states that Mega-Radio thanks to good relationships with CLT-UFA has an option to use Marnach-1440. ["Kabel & Satellit" edition 32/00 via Kai Ludwig; via ARC Info Desk AUG 2000 e-mail] The other allocated frequencies include Braunschweig 630, Berlin 693, Dresden/Wilsdruff 1431 and Burg 1575. The Braunschweig channel, which was until a few years ago on air from Dannenberg instead, is a daytimer only and to be operated with 100 kW from the existing MW site at Scheppau (that's the exact location of what is usually called either Braunschweig or Königslutter, actually the site is located in between these towns). Intentions for the other frequencies acc. previous Bork statements: 693 with 200 kW from the Zehlendorf site as further operation of high power transmitters at Berlin-Uhlenhorst is prohibited by the senate of Berlin; 1431 from Wilsdruff with 250 kW day and 150 kW night as permitted by the Geneve plan; 1575 from Burg with 100 kW day and 500 kW night. Already last year there were rumours of a 1440 schedule consisting of Mega-Radio during daytime and Eric Wiltsher's "Luxemburg 208" tonight. As is well known, "208" is still not on air, although there was already a reshuffling of audio subcarriers on the Astra satellite system, RTL Radio (German) was moving to make way for "208". Time will tell... anyway there was already a job offer from Mega-Radio in a Schwerin newspaper, suggesting this station will indeed materialize on August 28... [Kai Ludwig via ARC Info Desk AUG 2000 e-mail]

GIBRALTAR: 1458 The GBC have started testing their new transmitter initially with only 500W while it is tested eventually to increase to 5kW design output. They expect comments plus requests for QSLs from folk outside their estimated coverage area. All locally produced programming ends at 2000 hours local after which they relay BBC World Service over night. [George Gaskin via Roger Bunney via Steve Whitt via MWC e-mail news 20.07.00; via ARC Info Desk AUG 2000 e-mail]

ICELAND: According to monitoring observations, the MW outlet of AFN in Keflavík on 1530 kHz seems no longer to carry any local items at all, not even local public announcements. All local shows have been moved to FM (Power 104 on 104.2 MHz). The AFN stream on MW includes large relay portions of National Public Radio. [Bernd Trutenau, Reykjavik, Iceland <btr@pub.osf.lt>, in *Medium Wave Circle* e-mail]

IRAN: The 1206v station is Radio Payam (=Message), one of the Iranian national radio networks (IRIB) from Tehran - the transmitter could be anywhere in Iran. [Dave Kenny/BBCM via HCDX; via ARC Info Desk AUG 2000 e-mail]

MOLDOVA: Moldovan state radio has eliminated its night broadcasts as of 8 August due to a lack of funds, Romanian Radio reported the previous day. As of 14 August, the radio's second channel is also to be eliminated, while medium-wave broadcasts will be cut from 18 to 8 hours daily. The radio will continue its regular, 18 hours of daily broadcasts only on FM. The radio's management says the measures are "temporary" and due to MoldRadio being some \$1 mil-

lion in debt to the state company that relays the broadcasts. MoldRadio's entire budget for 2000 is \$2 million. [RFE/RL Newline, 8 August 2000] I can add that the Chisinau tx on 1593 kHz (RM1) which is still listed in WRTH2000, now is completely off the air. Since a longer time already it was switched on only for the nightprgr from 2200 UTC. [Bernd Trutenau, Reykjavik, Iceland, in *Medium Wave Circle* e-mail]

NETHERLANDS: 171 On the Radiovisie-site I have read that Delta 171 has now all the necessary permits to go and build the huge tx-site on the sea-location before the Dutch coast. Also all the international complaints (i.e. from France) seem to be dealt with. So they can go and build. I do not know when they actually start constructing. Meanwhile the Dutch telecomm-ministry has given Delta a later starting-date, officially they should have started July 1st, but now they have got a licence which says they should start at the latest on January 1st, 2002. Due to all these licensing-problems there were heavy delays so that is why they got a permission to start later. [Julius Hermans via HCDX, via ARC Info Desk AUG 2000 e-mail]

NORWAY: 216 According to a report in issue 433 of 'The Radio Magazine' the government of Norway is offering a licence to operate on 216 kHz (the former NRK channel) at a maximum of 1.2 MW. In order to qualify for consideration, applicants must have "a head office in Norway", be able to show their programming plans and be able to afford the costs involved. [DX Information from the British DX Club (BDXC-UK), Ray Woodward, from Pieter Johan Pijpers via MWC e-mail news 27.07.00; via ARC Info Desk AUG 2000 e-mail]

RUSSIA: 153 Taldom is silent from mid July (Nick Pashkevich via Kai Ludwig) 261 Taldom. This superpower transmitter north of Moscow was switched off on 11 July. The transmitter was listed with 2500 kW and was covering about 70% of the European part of Russia with the R Rossii programme. R Rossii decided no longer to finance the relay. [MIDXB #172 via Bernd Trutenau, 16 July; via ARC Info Desk AUG 2000 e-mail] In early August this huge site appeared to be off the air completely. Olle Alm, ARC Info Desk AUG 2000 e-mail] 1386 LBH Radio via Bolshakovo: This British commercial station will launch in the Autumn 2000. Already testing. Reception reports appreciated; address: LBH RADIO, STUDIO HOUSE, 21-23 WALTON ROAD, FRINTON-ON-SEA, ESSEX, CO13 0AA. e-mail: engineering@lbhradio.com Home Page via EuroLog 30.7.2000 URL: www.lbhradio.com [Stefan Björn in ARC Info Desk AUG 2000 e-mail] As Nikolay Pashkevich in Moscow informs, both 153 (Yunost) and 261 (R.Rossii) from Taldom are back on the air. This might be in connection with the loss of the powerful OIRT FM transmitters after the Ostankino fire. [Bernd Trutenau, Iceland in *Medium Wave Circle* e-mail]

SAUDI ARABIA: 1089 An Arabic speaking station here is BSKSA 2nd programme, confirmed by a native speaker of Arabic, but the transmitter location remains unknown. It may be that Qurayyat from 1098 kHz has switched to this lower frequency. [Mika Mäkeläinen via HCDX 42, via ARC Info Desk AUG 2000 e-mail]

UKRAINE: 657 Ukrainske Radio 3 (Radio Muz) is now only on 657 kHz with RUI: 1700-1730 Radio Ukraine International in Romanian, 1730-1930 Radio Muz in Ukrainian, 1930-2000 Radio Ukraine International in Romanian, 2000-2100 Voice of America in Ukrainian Mo-Sa, Radio Muz in Ukrainian Su, 2100-2130 Radio Ukraine International in Ukrainian, 2130-2200 Radio Muz in Ukrainian. All other MW frequencies of Radio Muz are now inactive. (Undisclosed source from Herman Boel via MWC e-mail news 13.07.00) Many Ukrainian LW/MW transmitters have been taken off the air. The remaining ones are operating on a reduced schedule: 0329 (SS0359)-0630, 1330-1830. [NRCU website via BT in ARC Info Desk AUG 2000 e-mail]

CONTRIBUTORS

@Mark Connelly, DX'ing from Eastham MA ["E"], Gloucester MA ["G"], South Orleans MA ["O"], and Rockport MA ["R"]; Drake R8A, cardioid array with APW-1 active whip, BBL-1 broadband loop, and Superphaser-1 phasing unit <MarkWA11ON@excite.com>

@Bruce Conti, Nashua NH; R8B, MWDX-5, 30-m wire, terminated 30-m east sloping wire, noise-reduced via 4:1 xfms and buried coax. <BACONTI@aol.com> Also DX'ing from Camden ME; Drake R8B, MWDX-5, 60-m wires sloping east and south.

@David Crawford, Titusville FL. <decl@cfl.r.com>

@ Glenn Hauser. <wghauser@hotmail.com>

@Terry Krueger, Clearwater FL. <tocobagadx@earthlink.net>

@Erik Stromsted W1ZBT, Pepperell MA; Yaesu 1000MP. 500 meter terminated Beverage aimed NE (toward Europe) Also using a Palomar preselector. <microadv@net1plus.com>

INTERNATIONAL DX DETECTIVES TACKLE CONNELLY UNID'S!

Here's a compendium of ideas from Medium Wave Circle and Hard Core DX members about my recent unID's on 1206 and 1377 (logged from Eastham, MA on UTC 6 AUG). Thanks for all the help. (Take note of comments made about China 1377 now being heard by European DX'ers - Jim)

1206 ideas: I wrote "A Koranic vocal was heard on 1206 kHz at 0050 UTC ... seemingly not the typical fare from Israel or France." Thomas Adam, Germany <adam@sbs.de> "In April I heard Morocco on 1206v // SW (15345 kHz)." Dave Kenny, UK <dave_kenny@mon.bbc.co.uk> "1206 could be by Radio Payam, Iran (a national news network from Tehran) Payam is also live on the IRIB web site, so may be possible to get a parallel." My conclusions: Propagation loss to from here to Morocco is much less than from here to Iran, although enhancements of Middle Eastern signals over normally-easier more-westerly stations can occur with ionospheric tilting prior to dawn on the transmitter end. I'll check for that 15345 parallel next time. I do get 1503 Iran sometimes, so maybe they'd be parallel (or a shortwave freq.?) A Web site parallel is not of much use to me since receiving is done in the car at seaside sites (not at home) and I don't have a laptop with wireless modem yet. If Radio Payam is a news station, would Koranic chanting be a likely component of the programming?

1377 ideas: I wrote "Middle Eastern sounding music (strings, etc.) on 1377 kHz at 0055 UTC - likely not France unless some kind of ethnic service." Steve Whitt, UK <steve.whitt@bt.com> "1377 probably either Asian Sound from Manchester, England (but that's high latitude signal path), or RFA Tanzania. Despite much listening around midnight UTC these are the only two stations I observe on 1377 in SE England." Martin Elbe, Germany <elbe@wolfsburg.de> "Most likely Prizren/Kosovo. They carry German programming from 'Radio Andernach' (a service for German soldiers, like BFBS or AFRIS) from 18-21 UTC, later on own programming in Albanian. France signs off at around 1830 UTC." "Steve, may I suggest to try it earlier, between 20-21 UTC. Depending on conditions I can hear either Prizren with the R. Andernach programming (sounds a little overmodulated, format is pop-music of course with few German announcements), then an UNID Chinese station, carrying mostly classical music, waltzes etc. On most days Tanzania comes through already at that time, and then of course there is Asian Sound peeping. The Chinese station fades out at around 21 UTC, so I think, it's really Fujian, as my 98 WRTH suggests. Sunrise there, while the rest of China is still in the dark." "Is just now (2030 UTC) coming through with a SINPO of 44343. They had a Chinese ID at 2030, have to listen to the Minidisk to puzzle that out." "Found 7935 kHz in parallel. So it's CNR1. ID at 2100 mentioned Beijing too." Christoph Mayer, Germany <cm@particle.uni-karlsruhe.de> (re China) "Try to check SW parallels of CNR1 and CNR2. This spring, I got the CNR1-px at about the same time on 1377." Max van Arnhem, Netherlands <mvarnhem@wxs.nl> (re China) "The station is still audible here in the Netherlands at 21.25 UTC. ALA1530 direction north-east gives best reception: male and female Chinese talks." Julius Hermans, Netherlands <hermans.j@worldonline.nl> "Regarding your station on 1377: if the music sounded a bit Indian it could well have been Asian Sound from the UK, this station is quite dominant on 1377 over the last days here in Holland." Dave Kenny, UK <dave_kenny@mon.bbc.co.uk> "1377 could the music be Balkan/Albanian? - if so perhaps Radio Prizren from Kosovo." My conclusion: Kosovo, next to Albania, is far enough south that the propagation could be viable. The Muslim culture of Albania has music plausibly similar to what I heard. It didn't really sound Indian and if UK was propagating that well I would have had one of their 1548 stations competing with VOA Kuwait. Virgin-1215 would have been overriding Spain. That wasn't the case. The only UK signals of decent strength were 693 and 1089. Would Tanzania have Middle Eastern sounding string music? China, of course, would not be heard here in August ... if ever. Earliest Trans-Atlantic fade-ins now are at about 2245 UTC and you have to be right at the seaside to manage that. Saudi Arabia on 1521 is the usually the first station to fade in. Unfortunately this "juggernaut" shares the channel of the most likely Chinese station to be heard here. In the days when Urumqi was on 1525, it was often logged in autumn around sunset on the east coast of the USA and Canada. ("Juggernaut", I learned doing a word puzzle last week, is an Indian word for a large image of Krishna that is set on a large cart, so would more properly be used by DX'ers to describe strong signals from India! - Jim)

One more comment, from Mauno Ritola (Finland) in hard-core-dx: R Payam is not in parallel with any other Iranian fq that I know. And it is always on 1205,67 kHz. It is not an "all news" station, they have about 3-minute news every half hour, and between that "modern" Irani music. I would bet for Morocco, which is drifting. 1377: When listening to R Prizren during weekends it has always had a phone-in px with local pop music. Also Iraq has been heard very irregularly here.



Formats

Tony Fitzherbert akftrain@aol.com

356 Jackman Avenue

Fairfield, CT 06430-1728

Changes in programming status; reported by listeners

As of August 15, via E-mail from Barry Finkel, WSCR indeed went to 670 khz, the WMAQ call, for Chicago's oldest radio station died. WXRT - 93.1's rock format is being simulcast on 1160 until Infinity Broadcasting sells that station.

My wife, Ann and I enjoyed sightseeing in California (one of the most beautiful and interesting states on the planet!), and after she returned to NYC and her job, I continued traveling on the multitude of light rail, commuter ferries, commuter rail, and vintage trolley lines found in Vancouver, Edmonton, Calgary, and Seattle. Some interesting radio stations are found in these cities. In Edmonton, two three tower arrays, a four tower setup, and a six tower antenna farm are found just south of the city, to the east of Highway #2. I wish I had the time to delve into the area's radio more deeply, as some interesting Station Profiles are there to be had!

My radio observations are included. While much information verifies and embellishes that found in the Log, many changes have occurred in the stations out west which we east coast DX'ers would love to hear!

Just in is an E-mail from Jim Nahimiak, who notes that WHYT-1590, in Marine City, MI., has dropped its long time classic country, most recently ABC Real Country, to simulcast oldies on WHLS-1450, in nearby Port Huron.

This column comes from Tim Hall, on a business trip to Houston, as well as from Ann, who wrote many of the formats notes in the column while we drove along the incredibly wild and beautiful northern California coast, to Larsen National Park, Sonoma County, through the redwoods, and along the Big Sur region. Other contributions are from the *M. Street Journal*. Here is a mega-column.

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|-----|-------|----|----------------|--|
| 540 | KIEZ | CA | Carmel Valley | - News and talk // KNRV-1240 (TF). |
| 540 | KKGO | CA | Costa Mesa | - Jazz // KJAZ, expected to go dark soon. |
| 540 | XEJAZ | MX | Tijuana | - Jazz // KJAZ. |
| 540 | WZER | WI | Jackson | - EWTN Catholic. |
| 550 | KARI | WA | Blaine | - All religion (TF). |
| 560 | KMON | MT | Great Falls | - Country music, ABC News "560 Country" booms into Calgary. I wish that it would boom into Fairfield!! (TF). |
| 570 | KVI | WA | Seattle | - "570 KVI" Conservative talk (TF). |
| 580 | KMJ | CA | Fresno | - Talk (TF). |
| 580 | WMGA | GA | Riverside | - ABC R & B Oldies. |
| 580 | CKUA | AB | Edmonton | - Talk, classical, folk, jazz // 102.5, Calgary (TF). |
| 600 | CKBD | BC | Vancouver | - Adult standards "The Unforgettable 600" (TF). |
| 600 | KNRO | CA | Redding | - ESPN Sports as of 8/7 (TF). |
| 610 | KILT | TX | Houston | - Sports talk "Sports Radio Star 6-10" (Tim Hall). |
| 630 | WJDB | AR | Thomasville | - WW-I Rhythmic oldies. |
| 630 | CHED | AB | Edmonton | - News, talk, "Alberta's News and Information Super Station" (TF). |
| 630 | KIDD | CA | Monterey | - "Magic 63" Adult Standards (TF). |
| 630 | WNEG | GA | Tocca | - WW-I Adult Standards. |
| 630 | WMFD | NC | Wilmington | - Rock // WRQR. |
| 630 | KCIS | WA | Edmonds | - Contemporary Christian (TF). |
| 650 | CISL | BC | Richmond | - Oldies "Oldies 650" and "650-C-ils" (TF). |
| 650 | KSTE | CA | Rancho Cordova | - All syndicated talk "Talk 650" (TF). |
| 650 | KIKK | TX | Pasadena | - Business talk "Houston's Business Radio 650" CNN News (Tim Hall). |
| 660 | CFFR | AB | Calgary | - Oldies "66 - CFR" (TF). |
| 660 | KEIS | WA | Mount Vernon | - Country music and talk (TF). |
| 680 | CHFA | AB | Edmonton | - Standard CBC French programming (TF). |
| 690 | CBU | BC | Vancouver | - Standard English CBC feed (TF). |
| 700 | KSEV | TX | Tomball | - Talk, but not // KJOJ-880, KPRC-950 (Tim Hall). |
| 710 | KIRO | WA | Seattle | - Full service news, talk, and sports (TF). |

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|------|------|----|-----------------|--|
| 730 | CKLG | BC | Vancouver | - Rock and adult contemporary "LG-73" (TF). |
| 740 | CBX | AB | Edmonton | - Standard English CBC feed (TF). |
| 760 | WCPS | NC | Tarboro | - R & B oldies. |
| 770 | CHQR | AB | Calgary | - News, talk "QR-77", "Calgary's News Talk Radio". |
| 770 | WWCN | FL | N. Fort Myers | - Sports // WQAM. |
| 770 | KNWX | WA | Seattle | - Business news and information (TF). |
| 780 | KKOH | NV | Reno | - News and talk "KOH", "News Radio 780" Covers much of northern California - wish it would reach the East Coast!!! (TF). |
| 790 | CFCW | AB | Edmonton | - Country music (TF). |
| 790 | KWSW | CA | Eureka | - Adult standards (TF). |
| 790 | KBME | TX | Houston | - ABC Standards "Unforgettable 790" (Tim Hall). |
| 800 | KDDD | TX | Dumas | - Classic hits // FM. |
| 820 | WYPA | IL | Chicago | - EWTN Catholic. |
| 820 | KGWV | WA | Burien-Seattle | - Religion (TF). |
| 830 | KGWV | CA | Grass Valley | - Talk (TF). |
| 840 | KVJY | TX | Pharr | - Unica Spanish Talk. |
| 850 | KEYH | TX | Houston | - Spanish ranchera "La Ranchera 8-50" (Tim Hall). |
| 860 | KTRB | CA | Modesto | - News and talk // KPTH (TF). |
| 880 | CHQT | AB | Edmonton | - News and soft AC "Alberta's Major News Station" |
| 880 | KKMC | CA | Gonzalez | - Religion (TF). |
| 880 | KJOJ | TX | Conroe | - Talk // KPRC-950 "Supertalk 950" CBS news and features (Tim Hall). |
| 880 | KIXI | WA | Seattle | - Adult standards, I remember it as a beautiful music station 35 years ago (TF). |
| 900 | CJVI | BC | Victoria | - "AM 900", "Hits of the 60's, 70's and 80's" (TF). |
| 900 | KPYN | TX | Atlanta | - SRN (Salem Radio Network) Southern Gospel. |
| 910 | CKEG | AB | Drumheller | - Country music "Heart of the Country" (TF) |
| 930 | CJCA | AB | Edmonton | - Religion "The Light" (TF). |
| 930 | KKXX | CA | Paradise | - Religion, Salem Radio Network (TF). |
| 930 | WAUR | IL | Sandwich | - EWTN Catholic. |
| 940 | WCND | KY | Shelbyville | - JRN Oldies. |
| 950 | KXTQ | TX | Lubbock | - Talk and AP News. |
| 950 | KJR | WA | Seattle | - All sports, 35 years ago was the # 1 Top 40 Station in the Seattle market! (TF). |
| 960 | CFAC | AB | Calgary | - Modern Country "Your Country Connection" (TF). |
| 970 | KFTA | ID | Rupert | - JRN Regional Mexican. |
| 980 | CKNW | BC | New Westminster | - News, talk, adult contemporary (TF). |
| 980 | KIMS | CA | Eureka | - Full service news and information "North Coast News and Information" (TF). |
| 990 | KATD | CA | Pittsburg | - Talk "The Cat" (TF). |
| 990 | CIKX | NB | Plaster Rock | - Hot AC // CIKX-FM. |
| 1000 | KFLG | AZ | Bullhead City | - Adult standards. |
| 1000 | KOMO | WA | Seattle | - News, information, talk "News Talk 1000" (TF). |
| 1010 | CBR | AB | Calgary | - Standard CBC English feed (TF). |
| 1030 | WGSF | TN | Memphis | - Spanish programming. |
| 1040 | CKST | BC | Vancouver | - Adult standards, show tunes, "AM 1040" (TF). |
| 1050 | KTCT | CA | San Mateo | - Sports talk, some local, "The Ticket". Three tower array is right next to Highway 101, in Belmont (TF). |
| 1050 | KBLE | WA | Seattle | - Brokered religion and talk, as it was 35 years ago as it was when I was stationed out here at Fort Lewis (TF). |
| 1060 | CKMX | AB | Calgary | - Adult standards Broadcast News, "AM 1060" |
| 1070 | WLFE | NY | Plattsburgh | - WW-I Country Music // WLFE-FM. |
| 1070 | KRAM | OR | West Klamath | - Adult standards. |
| 1080 | KSCO | CA | Santa Cruz | - Syndicated talk (TF). |
| 1090 | KMCR | CA | Fortuna | - ABC Real Country "The Mighty 1090" (TF). |
| 1090 | KMPS | WA | Seattle | - Classic country (TF). |
| 1100 | KFAX | CA | San Francisco | - Brokered religion. Heard a great commercial on KFAX for a dentist in Fremont who has a cure for halitosis! (TF). |
| 1100 | WTWN | VT | Wells River | - Religion, gospel "The River of Life". Signal goes all over |

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|------|------|----|------------------------|--|
| 1120 | KZSJ | CA | San Martin | - northern New Hampshire and Vermont (TF). |
| 1130 | CKWX | BC | Vancouver | - Ethnic (TF). |
| 1140 | CHRB | AB | High River | - All news "News 1130", Bloomberg Business (TF). |
| 1140 | KHTK | CA | Sacramento | - Religion and classic country "Southern Alberta's Family Radio" (TF). |
| 1150 | WMST | KY | Mount Sterling | - Sports talk, massive six tower array is off Highway # 99, SW of Lincoln (TF). |
| 1150 | KDEF | NM | Albuquerque | - Soft adult contemporary. |
| 1150 | KSRB | WA | Seattle | - Sports and Disney Children's. |
| 1170 | CKGY | AB | Red Deer | - Black R & B (TF). |
| 1170 | KLOK | CA | San Jose | - Country music "KG Country", "Today's Hot New Country", four tower parallelogram is next to Highway # 2, just south of Red Deer (TF). |
| 1170 | WWLE | NY | Cornwell-on-Hudson | - Spanish. Some local member of the NRC correct me if I am wrong, but I believe that they have a three tower array in the multi-colored ponds visible from the air in San Francisco Bay. (TF) |
| 1180 | WHJM | TN | Knoxville | - CNN Headline News. |
| 1190 | WHIY | AL | Moulton | - JRN Adult Standards // WKCE. |
| 1190 | KYDA | CA | Vallejo | - JRN Classic Country. |
| 1200 | WQLS | AL | Ozark | - Black Gospel "Gospel 1190" (TF). |
| 1200 | KOQI | CA | Soquel | - ABC Adult Standards. |
| 1210 | WWGO | TN | Memphis | - Automated classic country, hardly any voice and dead air between selections (TF). |
| 1220 | KBZS | CA | Palo Alto | - Talk, here from 1030. |
| 1220 | KOMC | MO | Branson | - Business news, and intellectual talk on weekends (TF). |
| 1230 | KDAC | CA | Fort Bragg | - SRN Southern Gospel. |
| 1230 | KLXR | CA | Redding | - News and talk, "Voice of the Redwood Empire" (TF). |
| 1230 | WMOU | NH | Berlin | - Big bands, jazz, very old adult standards (TF). |
| 1230 | WENY | NY | Elmira | - WW-I soft adult contemporary. |
| 1230 | KQUE | TX | Houston | - JRN Oldies. |
| 1230 | KLVT | TX | Levelland | - Classic rock // FM "97.3 The Arrow" (Tim Hall). |
| 1240 | KPOD | CA | Crescent City | - JRN Classic Country. |
| 1240 | KNRY | CA | Monterey | - Country music, morning news block (TF). |
| 1240 | KSOX | TX | Raymondville | - "Talk Radio", "Voice of the Central Coast" // KIEZ 540 (TF). |
| 1250 | KHOT | CA | Madera | - One on One Sports, "AM 1240 KSOX, 24 hour Sports Radio" (Tim Hall). |
| 1250 | WMXV | OH | Washington Court House | - JRN Spanish Hits. |
| 1250 | CHWO | ON | Oakville | - Adult standards. |
| 1250 | KKDZ | WA | Seattle | - To be contemporary Christian. |
| 1260 | CFRN | AB | Edmonton | - Radio Disney (TF). |
| 1260 | KOIT | CA | San Francisco | - Oldies "AM 1260" (TF). |
| 1260 | CKHJ | NB | Fredericton | - Live assisted (they use DJ's, not automation!!!) light rock // 96.5 (TF). |
| 1270 | KRVT | OK | Claremont | - Country music. |
| 1280 | WWTC | MN | Minneapolis | - Religion "The River". |
| 1290 | KAZA | CA | Gilroy | - EWTN Catholic talk. |
| 1300 | KPMO | CA | Mendocino | - Spanish programming (TF). |
| 1300 | WMTN | TN | Morristown | - Talk America talk (TF). |
| 1310 | KMKY | CA | Oakland | - Talk. |
| 1310 | KEZM | LA | Santher | - Radio Disney (TF). |
| 1310 | KZPI | TX | Amarillo | - One on One Sports. |
| 1310 | KKOL | WA | Seattle | - Tejano. |
| 1320 | KCTC | CA | Sacramento | - Talk, interesting 2 tower array is on a pier on the Seattle waterfront, consisting of one huge self supported tower and a smaller guyed structure. Station, as KOL was once a top 40 rocker! (TF). |
| 1320 | CHMB | BC | Vancouver | - Hits of the 60's, 70's and 80's (TF). |
| | | | | - Asian programming (TF). |

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|------|------|----|---------------|---|
| 1320 | KLWN | KS | Lawrence | - ESPN Sports. |
| 1330 | KLBS | CA | Los Banos | - Spanish (TF). |
| 1330 | WEBY | FL | Milton | - Talk. |
| 1330 | WEBO | NY | Owego | - News and jazz. |
| 1340 | KATA | CA | Arcata | - All ESPN Sports, no ID heard at all (TF). |
| 1340 | KJAZ | CA | Oroville | - "KIWI", automated very old adult standards (TF). |
| 1340 | WLVL | NY | Lockport | - Talk and ABC Standards. |
| 1340 | WCVI | PA | Connellsville | - JRN Adult Standards. |
| 1340 | WWPA | PA | Williamsport | - CNN Headline News. |
| 1350 | KSRO | CA | Santa Rosa | - News, information, sports "The Voice of Sonoma County" (TF). |
| 1350 | WRNY | NY | Rome | - One on One Sports. |
| 1370 | KPCO | CA | Quincy | - Adult standards (TF). |
| 1370 | KZSF | CA | San Jose | - Spanish, three tower array is west of Highway 101 in San Jose. |
| 1380 | KTOM | CA | Salinas | - Classic country (TF). |
| 1380 | WKDM | NY | New York | - To return to the air with all news in Spanish in September. |
| 1390 | KVIN | CA | Turlock | - Adult standards (TF). |
| 1390 | WZHF | VA | Arlington | - Brokered Chinese. |
| 1400 | KATO | CA | Berkeley | - Brokered Asian (TF). |
| 1400 | KQMS | CA | Redding | - Mostly talk "News talk 1400" (TF). |
| 1400 | WFTG | KY | London | - Talk and ESPN Sports. |
| 1400 | KWLA | LA | Many | - JRN Soft AC. |
| 1400 | KGVL | TX | Greenville | - Oldies "14-K Oldies, Good Times and Great Oldies" (Tim Hall). |
| 1410 | CFUN | BC | Vancouver | - Talk and Business News, "Talk with Attitude". (TF). |
| 1410 | KRML | CA | Carmel | - Jazz, total // KLOM-88.1, "America's Jazz Station" Long Beach. Good station, too! The Night Pattern Book has 100 % of the night signal going out into the kelp beds of the Pacific!!!! Heard the day signal as far north as Mendocino (TF). |
| 1410 | KMYC | CA | Marysville | - All talk, ID's for Marysville - Yuba City, three tower array is off Highway 99, SE of Marysville (TF). |
| 1420 | WUKQ | PR | Ponce | - Spanish news and talk // WKAQ. |
| 1420 | KRIZ | WA | Renton | - Black R & B // 1620. The "Z Twins" according to an adv in the <i>Seattle Medium</i> . (TF). |
| 1430 | KVVN | CA | Santa Clara | - Ethnic (TF). |
| 1440 | CKJR | AB | Wetaskiwin | - "KJR" country music (TF). |
| 1440 | KVON | CA | Napa | - Local and syndicated talk "Wine Country 1440". KVON's four very tall towers in the Napa River marshes just south of town push the highly directional signal into Napa and very few other places! (TF). |
| 1440 | WNYG | NY | Babylon | - CHR "Student Radio". |
| 1440 | WRBP | OH | Warren | - News and talk // WASN. |
| 1450 | KEST | CA | San Francisco | - Brokered ethnic with the disclaimer "Programs are paid for and produced by their individual sponsors. Gotta love it!! (TF). |
| 1460 | WKDV | VA | Manassas | - Classic country // WKCW. |
| 1470 | KMYC | CA | Sacramento | - Country music (TF). |
| 1470 | KLCL | LA | Lake Charles | - SGN Black Gospel. |
| 1470 | WHRD | WV | Milton | - Contemporary Christian "JOY". |
| 1480 | KGOE | CA | Eureka | - "Extreme talk for the North Coast". Syndicated talk. (TF). |
| 1480 | WADR | NY | Remson | - One on One Sports // WRNY - 1350. |
| 1490 | KZZZ | AZ | Bullhead City | - Talk. |
| 1490 | KBLF | CA | Red Bluff | - Adult standards "Platinum 1490" (TF). |
| 1490 | KEUN | LA | Eunice | - ABC Read Country // KJJB 105.5 (Tim Hall). |
| 1490 | KORC | OK | Guthrie | - Smooth jazz. |
| 1500 | KSJX | CA | San Jose | - Asian, five tower array is just west of Highway 101, near the 1590 and 1370 arrays. (TF). |

| | | | | |
|------|------|----|---------------|--|
| 1520 | KMPG | CA | Hollister | - Spanish (TF). |
| 1520 | WWKB | NY | Buffalo | - As I heard in NH, all BRN Business News, what a fate for the former great rock station, WKBW!! (TF). |
| 1520 | KYND | TX | Cypress | - Spanish Christian music. |
| 1550 | KYCY | CA | San Francisco | - Syndicated talk "Yada Yada Radio" (Honest!!) (TF). |
| 1550 | KKJY | NM | Albuquerque | - Adult standards "Joy". |
| 1550 | WUTQ | NY | Utica | - One on One Sports // WRNY - 1350. |
| 1560 | KIQS | CA | Willows | - Adult standards "Platinum 1560" (TF). |
| 1560 | WINV | FL | Inverness | - Country music // WXOF. |
| 1560 | WKIK | MD | La Plata | - Country music // WKIK-FM. |
| 1560 | KZIZ | WA | Sumner | - All Black Gospel per an adv. in the <i>Seattle Medium</i> . This station started in 1965 as a 250 watt daytimer with an easy listening format. (TF). |
| 1570 | WAST | MD | Towson | - EWTN Catholic. |
| 1570 | WFOG | NY | Riverhead | - Classic hits // WRCN. |
| 1590 | KLIV | CA | San Jose | - News and talk, only English AM station in San Jose, population 850,000!!!! Two towers are SW of San Jose, along Highway 101 (TF). |
| 1590 | KLFE | WA | Seattle | - Spanish (TF). |
| 1600 | KUBA | CA | Yuba City | - Adult standards, drivetime news blocks (TF). |
| 1600 | WNNY | MD | Rockville | - Romantica // WPLC. |
| 1600 | KIVA | NM | Albuquerque | - CNN Headline News and // KOB-TV News. |
| 1600 | WZZW | WV | Milton | - Contemporary Christian // 1470 "Joy". |
| 1610 | KALI | TX | Atlanta | - To be talk in October. |

And that is our get ready for fall DX'ing mega column! Thank you to MSJ, Tim Hall, and my loving wife, Ann, who has tolerated, with extreme patience, the DX hobby in our household for twenty years, for being so good as to take the notes for this column while I drove us around northern California! We cannot wait to get back to the Pacific Northwest! Do mail or E-mail your format changes to me for inclusion in our next Formats column!

73's and great DX'ing!! Tony

Target DX R. J. Edmunds wb2bjh@yahoo.com 753 Valley Rd. wb2bjh@hotmail.com Blue Bell, PA 19422-2052

DX'ing 'smart', with sbared tips and requests by NRC members

Hello, and welcome to the first appearance of the revised Target DX column. While Paul has already given some idea of what this will be about and how it will work, I'd like to take that another step further. First, questions can be posed on the NRC/DXAS listserv, or via direct email, or via good-old-fashioned US Mail. Generally, questions posed on the listserv will be answered there, by myself and others. Those questions and responses will be edited (hopefully minimally, hi) and reprinted here. At this point, I've not yet decided whether to post questions and answers received directly (without names if requested). I will attempt to group questions where appropriate in terms of subject matter, and will also try to be as current as possible. I anticipate that the column will appear every issue throughout the non-weekly period, quantity of material permitting. I will also be periodically creating questions. Answers may be derived from my own knowledge and experience and also from a number of other experts both on the listserv and elsewhere as needed.

Q- What are auroral conditions, and why should they concern me as a BCB DX'er?

A- Many of us tend to toss around this term lightly, not realizing that for many DX'ers newer to the hobby, the terms aren't self-explanatory. Many of us can recall learning about the Northern Lights (or *Aurora Borealis*) in grammar school science classes. These displays are caused by energy from the sun coming into contact with the earth's geomagnetic field and combining to form a number of reactions. The same condition also causes highly variable and often very localized effects on radio signals in

many bands.

On the BCB, the effect is that during periods of auroral conditions, which often coincide with displays of visible aurora, certain signals on certain paths may seem to disappear. This is because instead of the signals being reflected normally by one of the skywave reflective layers, they are absorbed by other layers induced by the aurora. In the Americas, these effects are the most pronounced in the Northeastern and North Central parts of the continent, although in particularly severe conditions, the effects can be noted throughout most of the US and all of Canada (the US Southwest is generally the least affected).

'Normal' nighttime skywave reception is dependent on ionospheric reflection and distance between transmitter and receiver. This distance determines which paths are viable, and also what elevation angles (if we assume a flat earth — it's much simpler that way, hi — the earth can be thought of as the base of an equilateral triangle, and the signal path from the transmitter to the reflecting point in the ionosphere would be one side, and from the same point down to the receiver would be the other side. The angle created where either side meets the base is the elevation angle) apply to each. Fortunately, there are a finite number of reflecting layers applicable. In an aurora, a layer of absorption may appear between the reflecting point and either the transmitter, the receiver, or both. This absorption may occur on multiple potential signal paths involving multiple reflective layers, because each path may have to pass through it.

When the auroral absorbs some signals, others, which might normally be either weak or inaudible come to the top. The usual situation has signals coming from stations generally to the North being absorbed first, then, if the aurora is more severe, stations from the East or West may be affected. In the most severe conditions, some stations from the South may even be affected. But remember that only those signals which are propagated by skywave are subject to absorption. Locals or semi-locals may in fact appear stronger than usual as their groundwave signals will dominate.

Thus, many DX'ers refer to auroral conditions as meaning that Latin American and/or Southern US stations might be expected to predominate. By varying degrees, this is true. A key predictor of auroral conditions is the A-index, which measures activity in the earth's geomagnetic field.

Q- During a recent period where auroral conditions were forecast, I only noted enhanced reception at the lower end of the dial, mostly from Cuba. Northern and Midwestern stations (WBBM, WGN, WLS, WTAM, CBA, CKBW, CKAC, CHNS, etc.) were still coming in with good signals. In addition, WWV hasn't been reporting anything out of the ordinary?

A- First off, it is not all that unusual for the lower end of the band to exhibit auroral conditions while the upper end does not. This is because auroral absorption (as well as nighttime ionospheric [skywave] propagation) is frequency-sensitive. Absorption of frequencies in the BCB occur from low to high as the MUF (Maximum Usable Frequency) rises thru the band as a result of geomagnetic activity. Second, however, what you were experiencing wasn't really classic auroral conditions. As you observed, neither the A nor K indices were elevated. Typically, for classic auroral conditions to occur, there either needs to be a day where the A index exceeds 50, or as many as three consecutive days where it exceeds 20, and even these numbers are not firm. What was most likely responsible is a geomagnetic substorm, which selectively and briefly (owing to small size and duration) disrupt normal conditions.

Finally, it should be noted that it is also not uncommon for these types of events (and also classic aurora) to be 'uneven'. It may be helpful to think of an area of auroral absorption as if it were a patch of fog, irregular in shape, size, and location, and all of these are in a state of constant movement. In addition, the frequency-sensitivity noted earlier will also apply. Add the fact that for any given transmitter and receiver location set, there may be multiple nighttime skip paths which are possible, and the absorption, owing to all of the above variables, may not always affect them all.

Depending upon the location of the absorptive material relative to these signal paths, none, some, all-but-one or all of the possible paths may be blocked by areas of absorption. But move either the transmitter location or receiver location as little as 50 miles and everything can change. This is one cause for situations where stations from some cities may be absorbed while other cities in the same region may not be, or only partially be absorbed. The same is true with the passage of time, because as the area of absorption moves relative to a specific stationary receiving site, different geographic groups of stations may be subjected to absorption or not. This is particularly the case with smaller storms and with substorms.

Another cause for such a phenomenon, which is also frequency-sensitive, and appears sometimes in conjunction with larger storms is sporadic E-skip, where particles form, disintegrate and re-form to create highly temporary and selective reflection of signals which would otherwise be absorbed. The

name of this phenomenon is derived from the fact that these particles form at about the same altitude as the 'normal' nighttime E reflecting layer.

Q- Can auroral conditions be observed during the daylight hours?

A- Since auroral absorption affects only signals which would otherwise propagate via skywave, and since the majority of daytime receptions occur via groundwave, auroral absorption observable by day would be extremely rare. In theory, since in midwinter some skywave is possible during the day at BCB frequencies, if the aurora is severe enough and the receiver and transmitter locations are far enough North, it should be possible.

That's it for this issue. Next time we'll discuss external antennas for portable receivers and some important Internet websites for DX'ers!

DX'er's Notebook

Shared tips, topics, and Internet info

Dave Braun dcbraun@delanet.com

863 Allabands Mill Rd.

Camden Wyoming DE 19934-2132

Welcome back — I hope you are ready to get into the swing of another DX season. We'll pick up this time with some continuation of the discussion on coastal DX.

Mark Connelly <MarkWA1ION@excite.com>: Here are a few coastal DX comments in response to others' recent postings- (Fred Vobbe asked) "Ben, what was the effect from the ocean? If you were in the parking lot and had Algeria on 891 at 5-9, would driving a quarter mile back from the lot to the west lose Algeria or just attenuate it a bit?" The amount of difference between strength of a given long haul skip station from shore to inland varies somewhat with season and time of day. At (or before) sunset here on the east coast, especially in summer, differences of up to 40 dB have been noted on early-arrival high-band North Africans at a shore site in Rockport, MA versus my home QTH in Billerica, about 20 miles inland on African bearings. When the Algerian clandestine was on 1544, it routinely hit S9+40 at the shore, but I never saw it get over S9 at my house on equal or better antennas to the same receiver. Late night winter high-latitude signals (from stations such as Norway-1314), when they are in, must be coming in at a somewhat higher angle since the coast versus inland difference on these only seems to be about 10-15 dB.

(Bob Foxworth said) "I remember from my Long Island days that Atlantic City NJ would be well atop 1340, 1450 and 1490 during the daytime all along the south shore. Had to be right on the beach, anywhere from Jones Beach to Montauk was equally good for them. Driving straight inland, e.g. the Moses Parkway, I'd lose them pretty rapidly from about a half mile inland onwards and by about 5 miles inland they were well down in the soup and the dropoff was pretty linear, but this was a non-measured test e.g. no s-meter. Long Island is just a big sandbar and the soil conductivity isn't good." Same deal on Cape Cod. At the southern end of Route 134 near Lower County Road in Dennisport, on Nantucket Sound (water to south), several of the graveyard frequencies have Atlantic City, NJ dominants. Driving Route 134 north through the low-conductivity "sandbar" of the mid-Cape (dry pitch pine/ scrub oak woods) up to the Cape Cod Bay side (water to north) totally flips over the graveyard dominants to be stations from Maine instead. This in about an 7-mile 15-minute drive. "I've never been in a place where afternoon TA's behaved like this however." That's because you weren't using eastward-facing beaches, only southward-facing ones. Come up to the Boston area sometime for a "demo" (as Ben did). George Hakiel noted strong TA enhancement at Greenport, LI, NY: an eastward-facing site similar to several here in MA.

(Russ Edmunds said) "given the differences I've seen between my former Northern NJ location and this one, (a result of the increase of land mass at this end of the signal path of about 150+ miles for much of Europe) the addition of ground at this end in substitution for ocean is very substantial..." The first few miles of sandy or rocky soil kills off most of the signals. Going inland 50 miles isn't a whole lot better than going 150+ miles. If you had high-grade open farmland (instead of rock) between you and the shore, signals would penetrate inland farther for a given amount of loss. For those who haven't seen it yet, Ben Dangerfield's recent Massachusetts visit is documented on the Web (with updates) at "http://members.aol.com/DrakeR8A/dangerfield_visit_2000.htm".

Robert Foxworth <rfoxwor1@tampabay.rr.com>: Another factor too was that I was married when I lived on LI and I would often go to the East End with my wife, usually to Montauk, by the time the TA's might appear it was near sunset and I was then being asked to get dressed for dinner at Gosman's Dock, a place where serious DXing of course was not possible... I did live for 6 years on the LI North Shore a bit east of Port Jefferson, very close to the Sound, across from Bridgeport. The French Canadi-

ans from Quebec were always well heard there and it was a very good TA location as well, since the arrival angle from Europe used a lot of the Sound. Greenport would show similar conditions as well, but I never took a good receiver there. I do remember CHSJ-700 could be heard in the daytime in the summer out that way.

Russ Edmunds <wb2bjh@hotmail.com>: The signals bounce off the water somewhere in the mid-Atlantic, then back up and then again down to the rx. I'm more inclined to believe that it is a combination of the completely clear horizon and the excellent ground, although the amount of difference observed shouldn't be as great as it is. It may be that this combination permits a multiplicity of signal paths only minutely different from one another to somehow congregate. I do know that when Ron Schiller DX'ed from Monmouth Beach NJ, he was on an inland waterway and less than a mile from the ocean, and he had that kind of enhancement. I believe that he did the same thing years later from Lighthouse Point, FL. And, given the differences I've seen between my former Northern NJ location and this one, (a result of the increase of land mass at this end of the signal path of about 150+ miles for much of Europe) the addition of ground at this end in substitution for ocean is very substantial....For some as-yet-not-fully-understood reason (s) this occurs. I don't recall anything in any of the literature I've read about this, although it is certainly no coincidence that many of the early radio pioneers used seaside sites for their experiments.

Barry McLarnon VE3JF <bm@lynx.ve3jf.ampr.org>: The effect is known as "sea gain", and it often appears as one of the factors in empirical formulas for estimating the field strengths of MW skywave signals. Essentially, a skywave signal coming in at a low angle becomes a groundwave signal for the last part of its travel (and the first part near the transmitter site too, of course). Attenuation of the signal over these segments of the path is therefore much the same as for groundwave signals - very low over salt water, and much higher over land (especially land with low conductivity). The difference is the "sea gain" factor for receivers located close to the coast. A book I have ("Propagation of Radiowaves", from the IEE in the UK) shows the sea gain plotted as a function of the ground distance for the path. Since the gain is greatest when the skywave is at a low angle, it peaks when the distance is near the maximum for one hop propagation (about 2000 km), two hops (~4000 km), and so on. In between it dips a bit lower - e.g., near 4000 and 6000 km it's about 10 dB, but it's only about 4 dB at around 2700 km and 6 dB around 4800 km. According to the book, ITU-R Recommendation 435 gives a procedure for calculating sea gain in more complex situations (receiver located inland, irregular coastlines, etc), but I don't plan to delve into it that deeply, since I'm nowhere near a coast.:-)

Marc Delorenzo <Marc.Delorenzo@rcp.dph.state.ma.us>: Barry, Thanks for sharing! That explanation makes it very clear to me. I have wondered for years why skywave is better at the beach. Groundwave was obvious but skywave had me puzzled. I have DX'ed from Cape Cod beaches since 1964.

Russ Edmunds: That makes sense, certainly. And that is another reason why some of the Spanish, Portuguese and Moroccan stations seem to be more common. I don't recall if I was aware of that element before or not. It would be interesting to know just what kind of distance on that first or last segment of the signal path typically (if there is such a thing) acted like groundwave.

I know nothing about grounding. But the following helps explain a lot of it.

Patrick Martin <mwdxer@webtv.net>: Hi: As many of you know, I have several beverages and antennas I use. Here on the Northern Oregon coast we generally get a lot of rain 60-100 inches a year. This Summer has been a "dray" one to say the least. Does anyone know what the best type of grounding I could use? Right now I am using a series of several rods (copper pipes) with #14 bare copper wire connecting them. It isn't all that easy to put 8-10 foot rods in the ground, so I use 4 foot ones. Most of the year the pipes are under water. Oh course in the dry part of the Summer the grounding is in very sandy soil. I notice this Summer when we get a bit of drizzle or light rain, the noise level goes down and the antennas work better, as they should. What would be a reasonable ground system that would work pretty well even when the soil is dry? Also should I increase the number of rods at all grounding points, including the matching transformer grounding points and the termination points? I am just trying to make the system work better, as we are trying to do. Getting that 1/2 dB signal can make the difference of logging the rare catch. Thanks.

Lee Freshwater <LFreshwater@aol.com>: Patrick, One thing I have learned in 30 years of radio is "deeper the better" I was just up to a transmitter site in the NC Mountains. They have driven ground rods up to 50 feet deep in places. Ground "radials" are also good, but you will find that your signals improve the deeper your rods are. Of course you do get to the point of "diminished returns" I would say that 10-12 ft would be a minimum, but I do not know your area or the "ground" conductivity of your site. We have very poor "grounds" in FL while the upper midwest had extremely good ground. I'll have to dig out my FCC rule book, as they have a good map.

Patrick Martin: The ground conductivity here is rather poor too, but the salt water from the ocean connects to the land mass. In other words the water in the nearby field (Non salt water), is salty at times. Much of the year the fields where the beverages run are under water. However this Summer has been dry.

Bruce Conti <BACONTI@aol.com>: Ground radials work great here. I use radials buried just a

couple of inches underground. Just use a garden shovel to pry up the lawn and stuff the wire underneath. Textbooks recommend ground radials of about 1/4 wavelength minimum. I have 100-ft antenna wires, and the ground radials are about 50-ft long. I use the same wire for ground radials that I use for the antennas; insulated THHN type from the hardware store. Solder the radials to your ground rod. To get the best performance from your ground rod, I've read that you can dig a deep hole and replace the soil with a mixture of rock salt, cow manure, and top soil, before pounding in the ground rod.

Russ Edmunds: Reminds me of what a ham buddy of mine several years back did - he built a pit, filled it with a mix of topsoil, sand, loam and some clay, and then ran all of the downspouts from his house and also his sump pump discharge into it to augment the dampness during dry times...

Ben Dangerfield <BEN-DANGERFIELD@email.msn.com>: Bruce, just what are these ground radials supposed to do? Improve ground signals? Improve skywave signals? Reduce noise? I have a short ground wire buried about a foot down just outside my den window. I use it off and on with my phasing units and it does reduce some of my noises. Not sure if it improves any signals.

Bruce Conti: Ground radials improve the electrical conductivity of the ground plane. According to Victor A. Mizek in "The Beverage Antenna Handbook," a low loss ground system tends to suppress locally generated noise. In addition, confirming suspicions expressed by Patrick Martin and others, Mizek states, "A lossy ground can cause seasonal and even daily variations in antenna impedance as soil conditions change from dry to rain-soaked to snow and ice covered. The impedance is always changing and never stays matched. The use of parallel ground conductors or wire mesh to increase the effective ground conductivity short circuits the variations due to weather and minimizes the effects of ground conductivity anomalies under the antenna." For the noise-reduced system I've installed, the use of ground radials has significantly improved the effectiveness of the noise reduction. The ground radials act as an effective counter-poise for the wire antennas. Visit any AM tower installation, and the engineer should be able to tell you about the ground system, which often includes ground radials. (During a visit to the WKBR site during the 1994 NRC Convention, we found many exposed ground radials on top of the soil.) 1/4 and 1/2 wavelength towers depend on the ground to extend the electrical length of the antenna. I believe that it's the same for end-fed wire receiving antennas. For wires at less than a wavelength, the ground becomes part of the antenna's electrical length. In Mizek's discussion of wave antennas (end-fed wires or Beverages), a poor ground "results in shortening the electrical length."

Mark Durenberger <mark@durenberger.com>: If you're not a techie, stay with me and I'll 'splain further what Bruce is talking about. If you are a tech-naut, please forgive me as I take some liberty with terms. Whenever you deliver "power" to a load, you pass current through that load. The load requires two terminals (an "in" and an "out" if you will), so current can flow through it. For example, a lamp can be a load, but it won't light if you connect a battery to one side of the lamp, but don't connect the other side of the lamp back to the battery. There are in fact no "one-terminal" loads. A one-terminal load is impossible, since the current needs to flow through the load, to deliver power to the load. A radio transmitter is a source of power, delivering that power to a "load" that in our over-simplified case may be described as the "ether", or the path to the receiver. (Now don't beat me up guys, I'm trying to keep it simple). No matter how you describe this radio "load", it's still a two-terminal load. The two terminals of the radio load are the transmitting antenna and the ground system. The transmitter delivers power to the load by providing an electrical current in the form of a radio-frequency signal. Disconnect the transmitter from either the antenna or the ground? Current will not flow, and no signal will be radiated. Most broadcast engineers will tell you the tower is only slightly more important than the ground system. Since the 1930's the FCC has sanctioned "transmitting systems" consisting of an insulated vertical radiator and a complementary ground system. The ground system is usually composed of 120 wires fanned out in a circle. In a good design, each wire is at least as long as the tower is tall. Without a good ground system, the signal simply will not get out. A better ground system is one of many reasons that some stations do so much better than others, even when they're the same authorized power level. On the receive side, the "radio load" is the receiver. In the ideal system, maximum current will flow when one side of the "load" / receiver is connected to the antenna, and the other side of the "load" / receiver is connected to ground. This arrangement reduces inherent noise, as Bruce points out. And if the receiver is properly matched to antenna/ground, the increase in signal level reduces the noise even farther. Enough already. Thanks for reading

Lee Freshwater: Mark, Well said. I had an engineer friend in Alabama that had a set of railroad tracks behind his site. he grounded his AM system to the tracks and boy did his signal improve!!! A perfect example of what you are talking about. Grounding is as important as the antenna (if not more)

Frederick R. Vobbe <fredv@nrccdas.org>: Very good description, Mark. One only has to look at the radiation angles/field-strength of two stations on the same frequency, one with a good antenna system and one with hardly any ground and a tower shorter than 1/4 wave.

Russ Edmunds: Mark - since I plan to use some of this discussion in an upcoming column, I am most grateful for your simplification as it's better than I could have done, and for the non-techies, it needed to be done - some guys who are very technically inclined somehow aren't able to bring the discussion down to a lower level, which you've done. That said, I'd appreciate your supplementing

your comments by addressing the following items in similar fashion also, if you'd be so kind-

1) the ground system and variations in conductivity or moisture content within the area of the ground field

2) does the depth of the radial system need to vary with local ground conductivity and/or composition (sand vs. clay for instance)

3) what can one do to achieve optimization of the ground system to the antenna for a receiving site? Thanks!

A question from the DDXD-West Editor:

Bill Hale <phantom2@eaze.net>: Here's another subject I'd like to hear comments on...I do a lot of listening in bed, lights out, ear buds in, waiting for slumber. Next morning, I wake to whatever frequency was there when I conked out. Then I tune around for awhile listening for DX. If I don't push one of the 32 memory buttons on the -2010, I don't know where I am on the dial. So...can a synthesizer with a limited vocabulary of "zero", "one", "two", etc through "nine" be integrated into a radio so as when a button is pushed the 'voice' says "seven-six-zero" or whatever frequency you're on? If not, why not? This would be especially valuable to a sight-impaired DXer. Let's hear from you tech types.

And some more receiver talk:

Jerry W. O'Dell <jwodell@ameritech.net>: I'm just getting interested in this again, and I haven't heard WWL, New Orleans, for many years. Wonder what happened to them. Just got a CCRadio, and it's pretty good, but not like my old NC183! Ah, to recapture the excitement of the late 40's.

Mark Durenberger: Jerry if you like good AM sound, get on eBay and watch for a Sony 7600 analog slide-rule-dial receiver. IMHO one of the best-sounding AM radios in captivity!

Kevin Redding <lwdxer@juno.com>: Really Mark? How is it on reception? I am not saying much about the SR111 except I sure like the way they sound. That big speaker does a nice job. I would like to hear one of those 7600's someday.

Mark Durenberger: Very good. Because it's "wide", its selectivity isn't quite up to some of the digitally-tuned radios, but I think Sony did an excellent job of design on this one. Only drawback is no external antenna jack but if you're into loops, it works well with an external loop coupler.

Bruce Conti: Regarding Jerry O'Dell's comments about the CCRadio, the bandwidth of the CCRadio is purposely limited to 4 kHz, to reduce interference from adjacent channels. This is a requirement these days for any serious MW (AM) DXing. The 4 kHz bandwidth is fine for long distance news/sports/talk radio, which the CCRadio was primarily designed to receive on AM. To hear the transoceanic signals often requires reducing the bandwidth to around 2 kHz. When using a narrow bandwidth, sound can be sharpened simply by tuning slightly off-frequency. A receiver that is reported to have good sound will typically have a bandwidth of 10 kHz or greater, perfect for airchecks of strong stations, but not useable for "hardcore" DXing. The Drake 88A/B is a favorite among MW DXers, with selectable AM bandwidths of 6, 4, 2.3, and 1.8 kHz. If you can't afford the \$1000 price tag for the Drake, then the Sony ICF-2010 is another favorite, but needs to be upgraded with Kiwa filters for improved DX performance. The Palstar R30, a newcomer, is also a good DX receiver when outfitted with a Collins narrow filter.

Mike Pietruk <pietruk@shellworld.net>: Mark - Amen on the 7600. I have one of them in the closet — nonfunctioning sad to say — which I'm about to discard as preparation for a move later in the year. Had both great AM and FM reception with good sound, selectivity and sensitivity on AM, and fm. While I'm thinking of it, are their businesses that can work on these receivers to get them functioning again?

Jerry W. O'Dell: I got interested in radio because my dad had one of those big old RCA console radios. I'd go up on 75 meters, and the most awesome signal there was W8UM, the U of Michigan station. Super quality, and I think they built it all. I fear that if things had been SSB I would have taken up another hobby. I really hate that mode — although there is no reason that it has to sound as awful as it does. But that's another story!

Jerry W. O'Dell: "watch for a Sony 7600 analog slide-rule-dial receiver." Will do — but I'm an old person, and a really good sounding radio (not very selective) with a Zenith table radio with FM and about an 8 inch speaker on it. Man that thing sounded good. Haven't seen one since about 1958

David Coons <davidcoons@webtv.net>: I am one also who returned a ccradio. I feel it is inexcusable to have terrible audio since it was designed with a 4k limit at least provide low distortion sound without hiss, and a usable treble control.

Paul Smith <sunray@gate.net>: If you will contact me off list, I might be able to help, I'm in the business.

Jerry W. O'Dell: On the shelf in front of me is a big old Sony, about 10 inches long, and 8 inches high, and it used to sound wonderful. It still works, although the band switch needs a good shot of cleaner from time to time. Wonder if that is the 2600. FM and shortwave + BC. I don't see any numbers on it, and about 9000 CDRoms would fall down if I moved it!

See you in two weeks.

DXN Volume Sixty-Seven Index

Another in the installments of indices for your pleasure; better than a sleeping pill. Look for all topics published in DXN except for the regular columns. Numbers refer to issue-page; any errors or omissions are regretted.

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Logged from Jan 1, 1960 to Present

Date of Last Update: June 29, 2000

indicates record held from Alaska or Hawaii

* indicates record held by DXer from North America (excluding Alaska)

| Station | City | DXer | DX Location | Miles | |
|---------|------|------------------|-----------------|---------------------|-------|
| WANA | AL | Anniston | Steve Kennedy | Coal Township, PA | 710 |
| WAJF | AL | Decatur | Neil Wolfish | Toronto, ON | 745 |
| WHBB | AL | Selma | Frank Merrill | Milan, MI | 687 |
| AFRN | AK | Campion | Esa Hänninen | Lemmenjoki, Finland | 3209 |
| AFRN | AK | Eielson AFB | Frank Merrill | Nenana, AK | #52 |
| KBAS | AZ | Bullhead City | Jeff Tynan | Parker, CO | 620 |
| KCUZ | AZ | Clifton | Phil Bytheway | Seattle, WA | 1216 |
| KYCA | AZ | Prescott | Phil Bytheway | Seattle | 1037 |
| KAIR | AZ | Tucson | Phil Bytheway | Seattle | 1226 |
| KWXT | AR | Dardanelle | Jim Boehm | San Antonio, TX | 504 |
| KXAR | AR | Hope | Stephen Ponder | Bossier City, LA | 80 |
| KDRS | AR | Paragould | Shawn Axelrod | Winnipeg, MB | 1000 |
| KOTN | AR | Pine Bluff | Bob Mielcarek | Milwaukee, WI | 648 |
| KARV | AR | Russellville | Steve Francis | Alcoa, TN | 519 |
| KWAC | CA | Bakersfield | Olle Alm | Abisko, Sweden | 4947 |
| KWAC | CA | Bakersfield | Richard E. Wood | Keaau, HI | #2444 |
| KWAC | CA | Bakersfield | Phil Bytheway | Seattle | *861 |
| KMET | CA | Banning | Bruce Reynolds | San Jose, CA | 364 |
| KICO | CA | Calexico | Olle Alm | Abisko | 5080 |
| KICO | CA | Calexico | Richard E. Wood | Keaau | 2596 |
| KICO | CA | Calexico | Art Blair | Folsom, CA | *521 |
| KRKC | CA | King City | Frank Merrill | Nenana | #2266 |
| KRKC | CA | King City | Tim Hall | Chula Vista | *339 |
| KTOB | CA | Petaluma | Frank Merrill | Nenana | #2107 |
| KTOB | CA | Petaluma | Tim Hall | Chula Vista | *497 |
| KBLF | CA | Red Bluff | Nancy Johnson | Billings, MT | 792 |
| KBKO | CA | Santa Barbara | Richard E. Wood | Keaau | #2389 |
| KDB | CA | Santa Barbara | Phil Bytheway | Seattle | 921 |
| KOWL | CA | South Lake Tahoe | Esa Hänninen | Lemmenjoki | 4791 |
| KOWL | CA | South Lake Tahoe | Eric Floden | Burnaby, BC | *729 |
| KSYC | CA | Yreka | Esa Hänninen | Lemmenjoki | 4634 |
| KSYC | CA | Yreka | Phil Bytheway | Seattle | *407 |
| KBOL | CO | Boulder | Esa Hänninen | Lemmenjoki | 4519 |
| KBOL | CO | Boulder | Shawn Axelrod | Langley, BC | *775 |
| KGUC | CO | Gunnison | Jeff Tynan | Parker | 134 |
| KEDI | CO | Manitou Springs | Phil Bytheway | Seattle | 1062 |
| KOLR | CO | Sterling | Bruce Reynolds | Warrensburg, MO | 517 |
| WGCH | CT | Greenwich | Joe Kureth | Uniontown, MD | 207 |
| WNLC | CT | New London | Andy Rugg | Pointe Claire, PQ | 294 |
| WTOR | CT | Torrington | Andy Rugg | Pointe Claire | 253 |
| WTRL | FL | Bradenton | Frank Merrill | Milan | 1013 |
| WXVQ | FL | De Land | Karl Jeter | Stone Mountain, GA | 375 |
| WKEM | FL | Immokalee | Ernie Cooper | Provincetown, MA | 1253 |

| | | | | | | |
|------|----|------------------|------------------|----------------------|-----------|------|
| WMBM | FL | Miami Beach | UK DX Pediton ££ | Sheigra, Scotland | 35 | 4186 |
| WMBM | FL | Miami Beach | Marc DeLorenzo | Hyannis, MA | *1232 | 4186 |
| WCKC | FL | Milton | Steve Francis | Alcoa | 399 | |
| WEAG | FL | Starke | Don Trelford | Runaway Bay, Jamaica | 851 | |
| WEAG | FL | Starke | Steve Francis | Alcoa | *420 | |
| WTTB | FL | Vero Beach | Marc DeLorenzo | Hyannis | 1125 | |
| WSIR | FL | Winter Haven | Karl Jeter | Stone Mountain | 426 | |
| WMOG | GA | Brunswick | Don Trelford | Runaway Bay | 919 | |
| WMOG | GA | Brunswick | Russ Edmunds | Parsippany, NJ | *351 | |
| WMLS | GA | Monroe | Jason Hustedt | Lexington, SC | 144 | |
| WSNT | GA | Sandersville | Ernie Cooper | Provincetown | 990 | |
| WSYL | GA | Sylvania | Steve Francis | Alcoa | 251 | |
| WRLD | GA | West Point | Don Trelford | Runaway Bay | 1113 | |
| WRLD | GA | West Point | Steve Francis | Alcoa | *213 | |
| KCID | ID | Caldwell | Esa Hänninen | Lemmenjoki | 4435 | |
| KCID | ID | Caldwell | Shawn Axelrod | Winnipeg | *1009 | |
| KKLB | ID | Chubbuck | Esa Hänninen | Lemmenjoki | 4431 | |
| KKLB | ID | Chubbuck | John Wilkins | Wheat Ridge, CO | *440 | |
| KOFE | ID | St. Maries | Phil Bytheway | Seattle | 271 | |
| WKRO | IL | Cairo | Russ Edmunds | Glen Rock, NJ | 851 | |
| WDAN | IL | Danville | Niel Wolfish | Winnipeg, MB | 806 | |
| WDAN | IL | Danville | Shawn Axelrod | Winnipeg | (Tie) 806 | |
| WESL | IL | East St. Louis | John Malicky | Pittsburgh, PA | 546 | |
| WOPA | IL | Oak Park | John Campbell | Bridestow, England | 3701 | |
| WOPA | IL | Oak Park | Wayne Heinen | Orchard Park, NY | *466 | |
| WZOE | IL | Princeton | Niel Wolfish | Willowdale, ON | 541 | |
| WKBV | IN | Richmond | Niel Wolfish | Winnipeg | 961 | |
| WNDU | IN | South Bend | Steve Francis | Alcoa | 427 | |
| KBUR | IA | Burlington | Esa Hänninen | Lemmenjoki | 4220 | |
| KBUR | IA | Burlington | John Johnson | Sheridan, WY | *847 | |
| WDBQ | IA | Dubuque | Wayne Heinen | Colorado Springs, CO | 779 | |
| KXLQ | IA | Indianola | John Wilkins | Wheat Ridge | 615 | |
| KRIB | IA | Mason City | Esa Hänninen | Lemmenjoki | 4110 | |
| KRIB | IA | Mason City | John Wilkins | Wheat Ridge | *657 | |
| KKAN | KS | Phillipsburg | Olle Alm | Abisko, Sweden | 4318 | |
| KKAN | KS | Phillipsburg | Shawn Axelrod | Winnipeg | *691 | |
| KTOP | KS | Topeka | Esa Hänninen | Lemmenjoki | 4417 | |
| KTOP | KS | Topeka | Jeff Falconer | Clinton, ON | *797 | |
| WFKY | KY | Frankfort | Bob Mielcarek | Milwaukee | 370 | |
| WKAY | KY | Glasgow | Frank Merrill | Milan | 352 | |
| WFXV | KY | Middlesboro | Jeff Falconer | Clinton | 498 | |
| WOMI | KY | Owensboro | Steve Kennedy | Coal Township | 605 | |
| WSIP | KY | Paintsville | Ernie Wesolowski | Omaha, NE | | |
| WIKC | LA | Bogalusa | Charles Reh | Leamington, ON | 867 | |
| KEUN | LA | Eunice | Jim Boehm | San Antonio | 368 | |
| KJIN | LA | Houma | Bob Mielcarek | Milwaukee | 944 | |
| KRUS | LA | Ruston | Charles Reh | Leamington | 859 | |
| WPOR | ME | Portland | Esa Hänninen | Lemmenjoki | 3600 | |
| WPOR | ME | Portland | Jean Burnell | St. John's, NF | *889 | |
| WTVL | ME | Waterville | Charles Reh | Leamington | 673 | |
| WARK | MD | Hagerstown | Andy Rugg | Montreal, PQ | 457 | |
| WHAV | MA | Haverhill | Jerry Starr | Youngstown, OH | 516 | |
| WMRC | MA | Milford | Christian DeHaes | Chicoutimi, PQ | 436 | |
| WACM | MA | West Springfield | Jeff Falconer | Clinton | 463 | |
| WABJ | MI | Adrian | Esa Hänninen | Lemmenjoki | 4009 | |
| WABJ | MI | Adrian | Shawn Axelrod | Winnipeg | *829 | |
| WTIQ | MI | Manistique | John J. Rieger | South Milwaukee, WI | 225 | |
| WMPX | MI | Midland | Niel Wolfish | Winnipeg | 742 | |
| WMPX | MI | Midland | Shawn Axelrod | Winnipeg | (Tie) 742 | |
| WUBR | MI | Whitehall | Barry McLarnon | Ottawa, ON | 539 | |

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|-------|----|-------------------|-----------------|---------------------|-----------|
| KXRA | MN | Alexandria | Ron Schiller | Monmouth Beach, NJ | 1141 |
| KQDS | MN | Duluth | John J. Rieger | South Milwaukee | 345 |
| KLGR | MN | Redwood Falls | Nancy Johnson | Billings | 657 |
| WLOX | MS | Biloxi | Frank Merrill | Milan | 861 |
| WCLD | MS | Cleveland | Charles Reh | Leamington | 724 |
| WHOC | MS | Philadelphia | Jerry Starr | Youngstown | 731 |
| WTUP | MS | Tupelo | Don Trelford | Runaway Bay | 1302 |
| WTUP | MS | Tupelo | Seteve Francis | Alcoa | *287 |
| WRTM | MS | Vicksburg | Steve Kennedy | Coal Township | 988 |
| KDMO | MO | Carthage | Frank Merrill | Milan | 662 |
| KTTR | MO | Rolla | Shawn Axelrod | Winnipeg | 854 |
| KDRO | MO | Sedalia | Shawn Axelrod | Winnipeg | 782 |
| KBOW | MT | Butte | John Johnson | Sheridan | 285 |
| KDBM | MT | Dillon | Esa Hänninen | Lemmenjoki | 4279 |
| KDBM | MT | Dillon | Shawn Axelrod | Winnipeg | *784 |
| KXGF | MT | Great Falls | Shawn Axelrod | Winnipeg | 664 |
| KLYN | MT | Laurel | Esa Hänninen | Lemmenjoki | 4199 |
| KBSR | MT | Laurel | Phil Bytheway | Seattle | *658 |
| KEZO | NE | Omaha | Esa Hänninen | Lemmenjoki | 4282 |
| KBON | NE | Omaha | John Johnson | Sheridan | *608 |
| WEMJ | NH | Laconia | Jerry Starr | Youngstown | 511 |
| WLGW | NH | Lancaster | Andy Rugg | Montreal | 120 |
| WUSS | NJ | Atlantic City | Steve Francis | Alcoa | 578 |
| WGYM | NJ | Pleasantville | Barry McLarnon | Ottawa | 420 |
| KRSN | NM | Los Alamos | John Wilkins | Wheat Ridge | 274 |
| KRTN | NM | Raton | Tim Hall | Rancho Bernardo, CA | 767 |
| KOAW | NM | Ruidoso Downs | Tim Hall | Rancho Bernardo | 668 |
| WCSS | NY | Amsterdam | Jeff Falconer | Clinton | 373 |
| WBTA | NY | Batavia | Russ Edmunds | Little Silver | 286 |
| WKNY | NY | Kingston | Frank Merrill | Milan | 497 |
| WICY | NY | Malone | Charles Reh | Leamington | 446 |
| WDLC | NY | Port Jervis | Don Trelford | Scarborough, ON | 286 |
| WCDO | NY | Sidney | Joe Kureth | Uniontown | 208 |
| WOLF | NY | Syracuse | Charles Reh | Leamington | 333 |
| WGMF | NY | Watkins Glen | Barry McLarnon | Ottawa | 215 |
| WSSB | NC | Durham | Andy Rugg | Montreal | 715 |
| WLOE | NC | Eden | Russ Edmunds | Kinnelon, NJ | 430 |
| WFLB | NC | Fayetteville | Marc DeLorenzo | Hyannis | 650 |
| WWNB | NC | New Bern | Barry McLarnon | Ottawa | 711 |
| WRMT | NC | Rocky Mount | Andy Rugg | Montreal | 698 |
| WSTP | NC | Salisbury | Barry McLarnon | Ottawa | 713 |
| W SVM | NC | Valdese | Frank Merrill | Milan | 454 |
| WWIL | NC | Wilmington | Barry McLarnon | Ottawa | 779 |
| KNDC | ND | Hettinger | Olle Alm | Abisko, Sweden | 3982 |
| KNDC | ND | Hettinger | Jeff Tynan | Parker | *462 |
| KOVC | ND | Valley City | Morris Sorensen | Amaranth, MB | 257 |
| WBEX | OH | Chillicothe | Barry McLarnon | Ottawa | 556 |
| WJMO | OH | Cleveland Heights | Ron Bailey | Shelby, NC | 435 |
| WOHI | OH | East Liverpool | Steve Francis | Alcoa | 382 |
| WMOA | OH | Marietta | Jeff Falconer | Clinton | 293 |
| WMRN | OH | Marion | Niel Wolfish | Winnipeg | 925 |
| WMRN | OH | Marion | Shawn Axelrod | Winnipeg | (Tie) 925 |
| KOKC | OK | Guthrie | Esa Hänninen | Lemmenjoki | 4620 |
| KOKC | OK | Guthrie | John Wilkins | Wheat Ridge | *497 |
| KBIX | OK | Muskogee | Niel Wolfish | Winnipeg | 1000 |
| KBKR | OR | Baker | Esa Hänninen | Lemmenjoki | 4374 |
| KBKR | OR | Baker | MB DXPedition & | Valhalla Beach | *1064 |
| KRNR | OR | Roseburg | Esa Hänninen | Lemmenjoki | 4541 |
| KRNR | OR | Roseburg | Richard E. Wood | Keauu | #2456 |
| KRNR | OR | Roseburg | Tim Hall | Lone Pine, CA | *537 |

| | | | | | |
|--------|----|-------------------------|-----------------|-----------------------|-------|
| KBZY | OR | Salem | Esa Hänninen | Lemmenjoki | 4420 |
| KBZY | OR | Salem | Shawn Axelrod | Winnipeg | *1250 |
| WESB | PA | Bradford | Esa Hänninen | Lemmenjoki | 3894 |
| WESB | PA | Bradford | Barry McLarnon | Ottawa | *274 |
| WAZL | PA | Hazleton | Steve Francis | Alcoa | 558 |
| WJNL | PA | Johnstown | Bob Mielcarek | Milwaukee | 502 |
| WLPA | PA | Lancaster | Ron Bailey | Shelby | 442 |
| WBCB | PA | Levittown | Bob Mielcarek | Milwaukee | 704 |
| WMRF | PA | Lewistown | Niel Wolfish | Toronto | 228 |
| WMGW | PA | Meadville | Esa Hänninen | Lemmenjoki | 3945 |
| WMGW | PA | Meadville | Andy Rugg | Nuns' Island, PQ | *424 |
| WNBT | PA | Wellsboro | Charles Reh | Leamington | 271 |
| WVGB | SC | Beaufort | Barry McLarnon | Ottawa | 932 |
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| WMRB | SC | Greenville | Jeff Falconer | Clinton | 608 |
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| KFCR | SD | Custer | John Wilkins | Wheat Ridge | 284 |
| KORN | SD | Mitchell | Charles Reh | Leamington | 788 |
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| WITA | TN | Knoxville | Jeff Falconer | Clinton | 545 |
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| KQTY | TX | Borger | Shawn Axelrod | Winnipeg | 990 |
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| KZZN | TX | Littlefield | Shawn Axelrod | Winnipeg | 1120 |
| KPLT | TX | Paris | Bruce Reynolds | Warrensburg | 370 |
| KDOK | TX | Tyler | Steve Francis | Alcoa | 690 |
| KVWC | TX | Vernon | Jim Boehm | San Antonio | 326 |
| KOJ738 | UT | Capitol Reef Nat'l Park | Tim Hall | 5 miles from the park | 5 |
| KJQN | UT | Ogden | Olle Alm | Abisko | 4449 |
| KVOG | UT | Ogden | Nancy Johnson | Aberdeen, WA | *707 |
| WKVT | VT | Brattleboro | Steve Kennedy | Coal Township | 247 |
| WFAD | VT | Middlebury | Joe Kureth | Uniontown | 361 |
| WIKE | VT | Newport | Charles Reh | Leamington | 580 |
| WCVA | VA | Culpeper | Andy Rugg | Montreal | 535 |
| WPAK | VA | Farmville | Dave Braun | Falls Church, VA | 127 |
| WVEC | VA | Hampton | UK DXPedition £ | Sheigra, Scotland | 3445 |
| WVEC | VA | Hampton | Barry McLarnon | Ottawa | *577 |
| WAYB | VA | Waynesboro | Don Lynch | Lynn | 514 |
| KBRO | WA | Bremerton | Esa Hänninen | Lemmenjoki | 4239 |
| KBRO | WA | Bremerton | Tim Hall | Manning Park Resort | *167 |
| KVAC | WA | Forks | Esa Hänninen | Lemmenjoki | 4229 |
| KVAC | WA | Forks | Tim Hall | Kamloops, BC | *257 |
| KEYG | WA | Grand Coulee | Esa Hänninen | Lemmenjoki | 4180 |
| KEYG | WA | Grand Coulee | MB DXPedition | Valhalla Beach | *1021 |
| KGHO | WA | Hoquiam | Jack Woods | Waldport, OR | 177 |
| KLOG | WA | Kelso | Esa Hänninen | Lemmenjoki | 4324 |
| KLOG | WA | Kelso | Jack Woods | Douglas, AK | #956 |
| KLOG | WA | Kelso | Tim Hall | Vancouver, WA | *221 |
| KENE | WA | Toppenish | Esa Hänninen | Lemmenjoki | 4294 |
| KENE | WA | Toppenish | Tim Hall | Port Angeles, WA | *189 |
| KTEL | WA | Walla Walla | Esa Hänninen | Lemmenjoki | 4295 |
| KTEL | WA | Walla Walla | Nancy Johnson | Aberdeen | *268 |

| | | | | | |
|--------|-----|--------------------|------------------|--------------------------|------------|
| WXIT | WV | Charleston | Don Voorhies | Oswego, NY | 442 |
| WTCS | WV | Fairmont | Frank Merrill | Milan | 259 |
| WLOH | WV | Princeton | Frank Merrill | Milan | 353 |
| WSGB | WV | Sutton | Bruce Reynolds | Warrensburg | 700 |
| WGEZ | WI | Beloit | Steve Kennedy | Coal Township | 657 |
| WLFN | WI | La Crosse | Barry McLarnon | Ottawa | 767 |
| WIGM | WI | Medford | Steve Francis | Alcoa | 728 |
| WOSH | WI | Oshkosh | Esa Hänninen | Lemmenjoki | 3968 |
| WYTL | WI | Oshkosh | Steve Kennedy | Coal Township | *653 |
| KIML | WY | Gillette | Gene Allen | Vallejo | 985 |
| KUGR | WY | Green River | Olle Alm | Abisko | 4390 |
| KUGR | WY | Green River | Shawn Axelrod | Winnipeg | *817 |
| KOJO | WY | Laramie | Phil Bytheway | Seattle | 935 |
| KRTR | WY | Thermopolis | John Johnson | Sheridan | 100 |
| KGOS | WY | Torrington | Shawn Axelrod | Winnipeg | 625 |
| WMDD | PR | Fajardo | Hank Holbrook | Chevy Chase, MD | 1600 |
| CJPR | AB | Blairmore | Esa Hänninen | Lemmenjoki | 4053 |
| CJPR | AB | Blairmore | Shawn Axelrod | Winnipeg | *795 |
| CBPH | AB | Banff | Tim Hall | Banff, AB | 4 |
| CBXY | AB | Falher | Esa Hänninen | Lemmenjoki | 3631 |
| CFWB | BC | Campbell River | Esa Hänninen | Lemmenjoki | 4102 |
| CFWB | BC | Campbell River | Shawn Axelrod | Cardinal Divide, AB | *388 |
| CKGO | BC | Hope | Nancy Johnson | Aberdeen | 199 |
| CKOO1 | BC | Oliver | Nancy Johnson | Aberdeen | 250 |
| CHPG | BC | Prince George | Phil Bytheway | Seattle | 438 |
| CKMV | NB | Grand Sault | LEM96 | Lemmonjoki, Finland | 3716 |
| CKMV | NB | Grand Sault | Christian DeHaes | Chicoutimi | *182 |
| CBDQ | NF | Labrador City | Esa Hänninen | Lemmenjoki | 2973 |
| CBDQ | NF | Labrador City | LEM96 | Lemmonjoki | (Tie) 2973 |
| CBDQ | NF | Labrador City | Jean Burnell | St. John's | *725 |
| CBDJ | NT | Hay River | Esa Hänninen | Lemmenjoki | 3281 |
| CKEN | NS | Kentville | UK DXPedition £ | Sheigra, Scotland | 2591 |
| CKEN | NS | Kentville | Steve Kennedy | Coal Township | *676 |
| CHVR2 | ON | Arnprior | Niel Wolfish | Coe Hill, ON | 82 |
| CHYM | ON | Kitchener | John Wilkins | West Des Moines, IA | 691 |
| CFRC | ON | Kingston | Don Voorhies | Oswego | 54 |
| CFPS | ON | Port Elgin | Shawn Axelrod | Winnipeg | 825 |
| CKLR | QU | L'Annonciation | Charles Reh | Leamington | 490 |
| CKBM | QU | Montmagny | Joe Kureth | Uniontown | 606 |
| CJMC | QU | Ste-Anne-des-Monts | Esa Hänninen | Espoo, Finland | 3810 |
| CJMC | QU | Ste-Anne-des-Monts | Joe Kureth | Uniontown | *839 |
| CJSN | SA | Shaunavon | Esa Hänninen | Lemmenjoki | 3930 |
| CJSN | SA | Shaunavon | Richard E. Wood | Keauau | #3287 |
| CJSN | SA | Shaunavon | Phil Bytheway | Seattle | *658 |
| XERO | AG | Aguascalientes | Jim Boehm | San Antonio | 578 |
| XECJC | CH | Ciudad Juarez | Phil Bytheway | Seattle | 1384 |
| XEGT | MI | Zamora | Tim Hall | 10 mi W of Mazatlan, SIN | 361 |
| XESK | NA | Ciudad Ruiz | Pete Taylor | Cabo San Lucas, BCS | 316 |
| XEDR | SO | Guaymas | Tim Hall | Poway, CA | 503 |
| XEMS | TA | Matamoros | Esa Hänninen | Lemmenjoki | 5321 |
| XEMS | TA | Matamoros | Pete Taylor | Cabo San Lucas | *803 |
| ZYK769 | BRZ | Penapolis, SP | NF DXPedition | Cappahayden, NF | 4728 |
| ZYH246 | BRZ | Penado, AL | NF DXPedition | Cappahayden, NF | 4082 |
| HJZB | COL | Tulua | UK DXPedition £ | Sheigra | 5298 |
| CMDH | CU | Mayari | Don Trelford | Runaway Bay, Jamaica | 185 |
| YVRP | VEN | Maracaibo | UK DXPedition £ | Sheigra | 4747 |

£ [UK DXPedition [Steve Whitt, Mark Hattam, Clive Rooms]

££ [UK DXPedition [Mark Hattam, Clive Rooms, Dave Kenny and Martin Hall]

NF DXPedition [Jean Burrell, David Clark, Mark Connelly, Bruce Conti, Neil Kazaross, Jim Renfrew]

LEM96 [Mika Makelainen and Jorma Mantyla]

Professional Sports Networks **Barry S. Finkel** bsfinkel@ANL.gov
 10314 S. Oakley
 Chicago, IL 60643-2409
 Network listings for team sports stations

Here is WNBA information for the season that just ended. Bob Pietsch had sent it to me earlier, but I had misplaced the file. I am including it for completeness. Most of the information comes from the league's web site www.wnba.com. The Rockers' network list comes from the team's web site; I do not have its URL.

| | | |
|---------------------|-------|---------|
| Charlotte Sting | 106.1 | WNMX-NC |
| Cleveland Rockers | 1300 | WERE-OH |
| Detroit Shock | 1310 | WYUR-MI |
| Houston Comets | 950 | KPRC-TX |
| Indiana Fever | 1070 | WIBC-IN |
| Los Angeles Sparks | 830 | KPLS-CA |
| Miami Sol | | TBA |
| Minnesota Lynx | 1130 | KFAN-MN |
| New York Liberty | 620 | WJWR-NJ |
| Orlando Miracle | 580 | WDBO-FL |
| Phoenix Mercury | 860 | KMVP-AZ |
| Portland Fire | 750 | KXL0-OR |
| Sacramento Monarchs | 1140 | KHTK-CA |
| Seattle Storm | 950 | KJR-CA |
| | 850 | KHHO-WA |
| Utah Starzz | 1320 | KFNZ-UT |
| Washington Mystics | 1260 | WGAY-DC |

Cleveland Rockers 2000

| | | |
|----------------|-------|--------------|
| Joe Tait | | 1570 WANR-OH |
| 930 WEOL-OH | | |
| 1300 WERE-OH * | 92.7 | WQEL-OH |
| 1350 WTOU-OH | 95.3 | WLKR-OH |
| 1480 WHBC-OH | 107.1 | WDOH-OH |

Tim Hall sent me the URL of the New York Yankees' network list <<http://www.yankees.com/boxoffice/radio_affiliates.php3>>. I checked that list, and it is identical to the list that Bob Galerstein got from the "c" drive of the MSG Network's coordinating Producer.

Here is National Football League flagship information from "Sporting News Pro Football Guide", "Sporting News Football Preview", and the Internet via Ken Onyschuk. I have little information on foreign language broadcasts. I have little information about announcers; where I have not seen the announcers' names on the Web, I have included the announcers from previous years (denoted with a "-"). There are sixteen network lists that I have seen on the Web; those follow the flagship list. Tim Hall gave me the URLs of some of these lists. Note that some of the lists on the web have an explicit "DO NOT DUPLICATE" warning; in those cases I have included only the URL. Please send me any network lists that you may have (or the URLs thereof).

CBS Radio will be broadcasting weekly games; I assume Sunday PM, Monday PM, maybe Sunday afternoon games, and all the playoff games. I heard Monday Night's opening game in Chicago. Note that the list of CBS Radio stations that carry the games is different from the list of stations that carry CBS Radio News on the hour. I have read that CBS Radio/Westwood One does not release their network lists.

| | | | |
|-------------------|-------|---------|-------------------------------|
| Arizona Cardinals | 1060 | KDUS-AZ | Tom Dillon, John Mistler |
| | 100.7 | KSLX-AZ | |
| Atlanta Falcons | 640 | WGST-GA | Jeff Hullinger, Jeff Van Note |



| | | | |
|----------------------|-------|--------------|---|
| Baltimore Ravens | 105.7 | WGST-GA | |
| | 1300 | WJFK-MD | Tom Matte, Scott Garceau |
| | 101.9 | WLIF-MD | |
| Buffalo Bills | 96.9 | WGRF-NY | -Van Miller, John Murphy |
| | 103.3 | WEDG-NY | |
| Carolina Panthers | 99.7 | WRFX-NC | Roman Gabriel, Bill Rosinski, Jim Szoke |
| Chicago Bears | 780 | WBBM-IL | Gary Bender, Hub Arkush, Tom Thayer |
| Cincinnati Bengals | 1360 | WCKY-KY | -Pete Arbogast, Dave Lapham |
| | 92.5 | WOFX-OH | |
| Cleveland Browns | 105.7 | WMJI-OH | -Jim Donovan, Doug Dieken, Mike Snyder, Casey Coleman |
| Dallas Cowboys | 103.7 | KVIL-TX | -Brad Sham, Babe Laufenberg, Mark Oristano |
| Denver Broncos | 850 | KOA-CO | -Dave Logan, Scott Hastings |
| Detroit Lions | 1270 | WXYZ-MI | Mark Champion, Jim Brandstatter, Walter Dell |
| | 950 | WWJ-MI a | |
| Green Bay Packers | 620 | WTMJ-WI | Wayne Larrivee, Larry McCarren |
| Indianapolis Colts | 1260 | WNDE-IN | -Bob Lamey 94.7 WFBQ-IN |
| Jacksonville Jaguars | 690 | WOKV-FL | -Brian Sexton, Matt Robinson |
| Kansas City Chiefs | 99.7 | KYYS-MO o | -Mitch Holthus, Len Dawson, Bill Grigsby, Bob Gretz |
| | 101.1 | KCFX-MO o | |
| Miami Dolphins | 560 | WQAM-FL (EE) | -Bill Zimpfer, Jim Mandich |
| Minnesota Vikings | 830 | WCCO-MN | -Dan Rowe, Stu Voight |
| New England Patriots | 104.1 | WBCN-MA | -Gil Santos, Gino Cappelletti |
| New Orleans Saints | 870 | WWL-LA | -Jim Henderson, Stan Brook |
| New York Giants | 102.7 | WNEW-NY | -Bob Papa, Dick Lynch |
| | 1050 | WEVD-NY b | |
| | 1560 | WMKI__ bp | |
| New York Jets | 660 | WFAN-NY | -Howard David, Dave Jennings |
| Oakland Raiders | 1050 | KTCT-CA | |
| Philadelphia Eagles | 94.1 | WYSP-PA | -Merrill Reese, Stan Walters |
| Pittsburgh Steelers | 102.7 | WDVE-PA | Bill Hilgrove, Myron Cope, Tunch Ilkin |
| | 970 | WWSW-PA | |
| Saint Louis Rams | 1600 | KATZ-MO h | Steve Savard, Jack Snow, Malcom Briggs |
| | 103.3 | KLOU-MO | |
| San Diego Chargers | 760 | KFMB-CA | -Jim Laslavic, Bill Werndl |
| San Francisco 49ers | 810 | KGO-CA | -Joe Starkey, Gary Plummer |
| Seattle Seahawks | 710 | KIRO-WA | -Lee Hamilton, Steve Raible, Ron Cannon |
| Tampa Bay Buccaneers | 1010 | WQYK-FL | Gene Deckerhoff, Scott Brantley, Tom Korun |
| | 99.5 | WQYK-FL | |
| Tennessee Titans | 104.5 | WGFX-TN | -Larry Stone, Mike Keith, Pat Ryan |
| Washington Redskins | 106.7 | WJFK-VA | -Sam Huff, Frank Herzog |

Arizona Cardinals 2000

Tom Dillon, John Mistler <<<http://www.azcardinals.com/gameday.cfm?ID=6>>>(09/07/2000)

| | | | | | | | |
|------|-----------|------|---------|------|---------|-------|-----------|
| 560 | KBLU-AZ | 1180 | KYET-AZ | 1340 | KIKO-AZ | 92.1 | KZUA-AZ |
| 780 | KAZM-AZ | 1230 | KAAA-AZ | | KRLV-NM | 100.7 | KSLX-AZ * |
| 980 | KNTR-AZ | | KATO-AZ | 1420 | KTAN-AZ | 101.5 | KFLX-AZ |
| 1060 | KDUS-AZ * | 1270 | KDJI-AZ | 1490 | KFFN-AZ | 106.7 | KPPV-AZ |
| 1150 | KDEF-NM | | | | | | |

Atlanta Falcons 2000

Jeff Hullinger, Jeff Van Note <<<http://www.atlantafalcons.com/home/affiliates.cfm>>> (09/04/2000) DO NOT DUPLICATE

Sunrise-Sunset Maps

Monthly maps (12) showing the average monthly sunrise/sunset times for the U. S.; customize them for your location. \$3.00 for NRC members (\$4.50, non-members). Order from NRC Publications; NY residents, add sales tax.



Baltimore Ravens 2000

Tom Matte, Scott Garceau <<<http://www.ravenszone.net/multimedia/radiotvaffil.asp>>> (08/28/2000)

| | | | | | | | |
|------|---------|------|-----------|------|---------|-------|-----------|
| 820 | WXTR-MD | 1290 | WJBR-DE | 1390 | WLAN-PA | 95.9 | WOSC-MD |
| 910 | WSBA-PA | 1300 | WJFK-MD * | 1400 | WINC-VA | 98.3 | WSMD-MD |
| 960 | WTGM-MD | 1340 | WHAP-VA | 1410 | WDOV-DE | 101.9 | WLIF-MD * |
| 990 | WVNZ-VA | | WEPM-WV | | WHAG-MD | 106.3 | WCEM-MD |
| 1280 | WHVR-PA | 1360 | WHBG-VA | 1470 | WTRR-MD | 107.1 | WCBC-MD g |

Carolina Panthers 2000

Bill Rozinski, Roman Gabriel, Jim Szoke <<http://www.panthers.com/home/panthers_radio.cfm#radio>> (08/16/2000) DO NOT DUPLICATE

Chicago Bears 2000

Gary Bender, Hub Arkush, Tom Thayer <<<http://www.chicagobears.com/>>> (09/04/2000)

| | | | | | | | |
|------|-----------|------|-----------|------|---------|-------|-----------|
| 780 | WBBM-IL * | 1280 | WGLR-WI | 1440 | WGEM-IL | 1600 | WMCW-IL |
| 960 | WSBT-IN | 1300 | WJSH-IN I | | WROK-IL | | |
| 1060 | WRHL-IL | 1330 | WRAM-IL j | 1450 | WFMB-IL | 97.7 | WLQI-IN i |
| 1130 | WSDX-IN k | 1360 | WLBK-IL | 1460 | WJCI-IL | 104.7 | WLM-D-IL |
| 1150 | KCPS-IA | 1390 | KCLN-IA | 1590 | WAIK-IL | 106.3 | WGCV-IL i |
| 1170 | KJOC-IA | | | | WPVL-WI | 107.9 | WBYS-IL |

Dallas Cowboys 2000

<<<http://www.cowboysradio.com/affil.html>>> (08/18/2000)

| | | | | | | | |
|------|---------|------|-----------|------|---------|-------|-----------|
| 560 | KFLO-LA | 1240 | KVSO-OK | 1550 | KCOM-TX | 97.9 | KODM-TX |
| | KLVI-TX | | KVLF-TX | | KWBC-TX | 99.9 | KSHN-TX |
| 600 | KROD-TX | | KXOX-TX | 1580 | KRZI-TX | 100.5 | KMVL-TX |
| | KTBB-TX | 1260 | WNRK-DE | 1660 | KRZI-TX | 101.1 | KLOL-TX |
| 690 | KPET-TX | | KNSA-TX | | | 102.3 | KDET-TX |
| 710 | KGNC-TX | 1300 | KVET-TX | 88.1 | KHOY-TX | | KLJT-TX |
| | KURV-TX | 1330 | KSWA-TX | 92.3 | KCUL-TX | 103.7 | KRPT-OK |
| 740 | KCMC-TX | 1380 | KXCA-OK | 92.7 | KIVY-TX | | KVIL-TX * |
| 770 | KKOB-NM | | KBWD-TX | 93.1 | KMKT-TX | 104.3 | KGAS-TX |
| 800 | KAGH-AR | 1400 | KTEM-TX | | KSTV-TX | 104.7 | KBAE-TX |
| 860 | KFST-TX | 1420 | KPEL-LA | 94.7 | KIXY-TX | | KYYI-TX |
| | KVRP-TX | 1430 | KQLL-OK e | 94.9 | KBMX-NM | 104.9 | KAGH-AR |
| 910 | KNAF-TX | 1440 | KEYS-TX | | KWYK-NM | | KRIG-OK |
| 950 | KXTQ-TX | 1450 | KWHW-OK | 95.3 | KFRO-TX | | KYCX-TX |
| 1090 | KKYN-TX | | KCTI-TX | | KNEL-TX | 106.3 | KCTI-TX |
| 1150 | WTAW-TX | 1460 | KENO-NV f | 95.5 | KVRP-TX | | KPAN-TX |
| 1200 | WOAI-TX | 1470 | KEAN-TX | 95.9 | KBST-TX | 106.7 | KFLO-LA |
| 1230 | KYVA-NM | 1490 | KLNT-TX | 96.7 | KXOX-TX | 107.7 | KPLT-TX |
| | KSST-TX | 1510 | KSTV-TX | 97.3 | KRXS-AZ | | KTBQ-TX |
| | KTJK-TX | 1520 | KOMA-OK | 97.7 | KALK-TX | | |

Detroit Lions 2000

Mark Champion, Jim Brandstatter, Walter Dell <<<http://www.detroitlions.com/news/lionsradiotv.html>>> (08/18/2000) DO NOT DUPLICATE

Indianapolis Colts 2000

<<<http://www.wibc.com/coltsnetwork.html>>>(08/18/2000)

| | | | | | | | |
|------|-----------|------|---------|------|-----------|-------|---------|
| 640 | WBOW-IN | 1340 | WBIW-IN | 92.1 | WROI-IN | 95.9 | WEFM-IN |
| 930 | WHON-IN | | WLBC-IN | | WZDM-IN | 97.5 | WGBD-IN |
| 1010 | WCSI-IN | 1350 | WIQU-IN | 92.7 | WSKT-IN | 97.9 | WXXP-IN |
| 1070 | WIBC-IN * | 1460 | WKRP-IN | 93.1 | WNAP-IN n | 103.9 | WRBI-IN |
| 1190 | WOWO-IN | 1480 | WRSW-IN | 93.4 | WREB-IN | 105.1 | WGCT-IN |
| 1230 | WTCJ-IN | 1490 | WDAN-IL | 94.3 | WRCR-IN | 105.9 | WWIP-IN |
| 1270 | WGOM-IN | 1550 | WCVL-IN | 95.3 | WNDI-IN | 106.5 | WWBL-IN |
| | WXGO-IN | | WMDH-IN | 95.7 | WLRX-IN | 107.7 | WMRS-IN |
| 1280 | WGBF-IN | | | | | | |

W E T C

Kansas City Chiefs Fox Football Radio Network 2000

Len Dawson, Bill Grigsby, Mitch Holthus, Bob Gretz <<<http://www.kcfx.com/kcchiefs/index.html>>> (08/18/2000)

| | | | | | | | |
|------|---------|------|-----------|------|---------|-------|------------|
| 580 | WIBW-KS | 1320 | KLWN-KS | 1600 | KMDO-KS | 99.7 | KBTN-MO |
| 590 | KOMJ-NE | 1340 | KSEK-KS | | KNCY-NE | 99.7 | KYYS-MO *o |
| 680 | KFEQ-MO | 1350 | KMAN-KS | | | 100.3 | KUKU-MO |
| 690 | KGGF-KS | 1360 | KSCJ-IA | 92.1 | KSDL-MO | 100.7 | KHOK-KS |
| 870 | KAAN-MO | 1400 | KWON-OK | 92.5 | KQMA-KS | 100.9 | KCLY-KS |
| 910 | KINA-KS | 1420 | KJCK-KS | 93.5 | KLKC-KS | 101.1 | KCFX-MO *o |
| 930 | WTAD-IL | 1430 | KQLL-OK e | 94.5 | KRXL-MO | 101.9 | KKQY-KS |
| 990 | KRMO-MO | 1450 | KWBW-KS | 94.7 | KNCY-NE | 102.9 | KMMO-MO |
| 1130 | KLEY-KS | | KOKO-MO | 95.3 | KSNP-KS | 103.1 | KNDY-KS |
| 1150 | KWKY-IA | 1470 | KAIR-KS | | KDKD-MO | 103.9 | KNZA-KS |
| | KRMS-MO | 1490 | KKAN-KS | 95.5 | KAAN-MO | | KOMB-KS |
| 1220 | KJAN-IA | | KTTR-MO | 96.3 | KRZZ-KS | 104.9 | KFFX-KS |
| 1230 | KLWT-MO | 1510 | KNNS-KS | 96.7 | KCMQ-MO | 105.3 | KJML-MO |
| | KTNC-NE | 1520 | KRHW-MO | 97.3 | KKJQ-KS | 105.5 | KKOY-KS |
| 1240 | KFOR-NE | 1540 | KLKC-KS | | WIBW-KS | 107.7 | KRLK-MO |
| 1290 | KWLS-KS | 1550 | KKLE-KS | | KXUS-MO | | KSYZ-NE |
| 1300 | KMMO-MO | | KAPE-MO | 99.5 | KREB-AR | | |

Green Bay Packers 2000

Wayne Larrivee, Larry McCarren <<<http://www.620wtmj.com/sportscentral/radionetworkaffiliates.htm>>> (08/18/2000)

| | | | | | | | |
|------|-----------|------|---------|------|---------|-------|---------|
| 550 | KFYR-ND | 1280 | WNAM-WI | 92.3 | WJPD-MI | 99.7 | WIMI-MI |
| | WSAU-WI | 1310 | WIBA-WI | | WJMQ-WI | 100.1 | WDDC-WI |
| 570 | WMAM-WI | 1320 | WFHR-WI | | WRLS-WI | | WRHN-WI |
| 580 | WKTY-WI | 1350 | WPDR-WI | 92.7 | WDUX-WI | 100.7 | WBIJ-WI |
| 590 | WJMS-MI c | 1380 | WFCL-WI | 93.3 | WBSZ-WI | 100.9 | WRCO-WI |
| 620 | WTMJ-WI * | | WTJK-WI | 93.5 | WMPL-MI | 101.5 | WJNR-MI |
| 680 | WDBC-MI | 1400 | WATW-WI | 93.7 | WEKZ-WI | | WIBA-WI |
| 710 | WDSM-WI | | WBIZ-WI | 94.3 | WQPC-WI | 102.3 | KXGE-IA |
| 880 | WMEQ-WI | | WDUZ-WI | 95.1 | WLST-WI | | WHTL-WI |
| 940 | WFAW-WI | | WRDB-WI | 95.9 | WMQA-WI | 104.1 | WRLU-WI |
| 960 | WTCH-WI | 1420 | WOC-IA | | WRDN-WI | 105.3 | WRLO-WI |
| 980 | WPRE-WI | 1430 | WBEV-WI | 96.3 | WJMC-WI | 105.7 | WCUP-MI |
| 1010 | WSPT-WI | | WSPN-WI | 96.9 | WVWX-WI | | WXCX-WI |
| 1230 | WIKB-MI | 1450 | KFIZ-WI | 97.1 | WCOW-WI | 106.3 | WEVR-WI |
| | WCLO-WI | | WDLB-WI | 97.7 | WGLR-WI | 106.5 | WKCH-WI |
| 1240 | WIAN-MI | | WRCO-WI | 97.9 | WIHC-MI | | WWJR-WI |
| | WJMC-WI | 1490 | WDBQ-IA | 98.3 | WQCM-WI | 107.1 | KFIZ-WI |
| | WOBT-WI | | KOSR-NE | 99.1 | WIKB-MI | | WIXK-WI |
| | WOMT-WI | | WOSH-WI | 99.3 | WKEB-WI | 107.5 | WXWX-WI |
| 1260 | WEKZ-WI | 1550 | WEVR-WI | | WOWN-WI | | |
| 1280 | KVOX-ND | 1590 | WIXK-WI | | | | |

Minnesota Vikings 2000

<<<http://wcco.com/sports/vikes/radio.html>>> (08/18/2000)

| | | | | | | | |
|-----|-----------|------|---------|------|---------|------|---------|
| 570 | WNAX-SD | 960 | KTLF-MN | 1270 | KWEB-MN | 1440 | KKXL-ND |
| 600 | KEYZ-ND | 1060 | KGFX-SD | | KLXX-ND | 1450 | KATE-MN |
| 610 | KDAL-MN | 1140 | KSOO-SD | 1290 | KSCR-MN | | KBUN-MN |
| 650 | WKKQ-MN | 1190 | KMFX-MN | 1300 | KGLO-IA | | KBMW-ND |
| 790 | KFGO-ND | 1210 | KOKK-SD | 1320 | KOZY-MN | 1460 | KLTC-ND |
| 830 | WCCO-MN * | 1220 | KDDR-ND | 1330 | KDRQ-ND | 1470 | KHND-ND |
| 860 | KNUJ-MN | 1230 | KTRF-MN | 1340 | KDLM-MN | 1480 | KAUS-MN |
| 920 | KDHL-MN | | KWNO-MN | 1390 | KRFO-MN | 1490 | KNDC-ND |
| 930 | KKIN-MN | 1240 | WJON-MN | | KRRZ-ND | | KOVC-ND |
| | KSDN-SD | | KDLR-ND | 1400 | KQDJ-ND | 1570 | WKBH-WI |
| 950 | KWAT-SD | 1260 | KROX-MN | 1410 | KRWB-MN | 1600 | KDAK-ND |

| | | | | | | | |
|---------------------------|---------|---------|---------|---------|---------|---------|---------|
| <i>Vikings, continued</i> | 95.9 | KQCL-MN | 100.1 | KOLV-MN | 102.7 | KYTC-IA | |
| 92.1 | WCMP-MN | 96.5 | KJKK-MN | 100.5 | KXZC-MN | 104.1 | KSDM-MN |
| 93.5 | KITN-MN | 96.7 | KDOG-MN | 101.1 | KBHP-MN | 105.1 | KARL-MN |
| | KSCR-MN | 99.3 | KSTQ-MN | 101.5 | KTCF-MN | 105.5 | KDDG-MN |
| 95.7 | KKOK-MN | 99.7 | KXDL-MN | 102.5 | KMFX-MN | 105.9 | KMIT-SD |

Pittsburgh Steelers 2000

Bill Hillgrove, Myron Cope, Tunch Ilkin <<<http://www.steelers.com/default.htm>>> (09/04/2000)

| | | | | | | | |
|-----|-----------|------|---------|------|---------|-------|-----------|
| 590 | WARM-PA | 1170 | WWVA-WV | 1450 | WTBO-MD | 92.5 | WQMU-PA |
| 680 | WISR-PA | 1230 | WBVP-PA | | WJPA-PA | 92.7 | WCCR-PA |
| 800 | WCHA-PA | 1330 | WFLP-PA | | WLTP-WV | 99.3 | WPQR-PA |
| 850 | WJAC-PA | 1340 | WCVI-PA | 1480 | WCNS-PA | | WZXR-PA |
| 900 | WCER-OH | 1390 | WTRK-OH | 1490 | WESB-PA | 100.9 | WAYC-PA |
| 910 | WYLI-OH | | WRSC-PA | | WLPA-PA | 103.1 | WANB-PA |
| | WWWR-VA | 1400 | WOBG-WV | | WMGW-PA | 104.1 | WPXZ-PA |
| 970 | WWSW-PA * | 1420 | WCED-PA | | | 105.5 | WDVE-PA * |
| 990 | WVSC-PA | | WQKY-PA | | | | |

San Francisco 49ers 2000

<<<http://shock.sportline.com/u/football/49ers/redzone/radio.htm>>> (08/18/2000)

| | | | | | | | |
|-----|----------|------|---------|------|-----------|-------|---------|
| 550 | KMUI-HI | 840 | KSWB-OR | 1360 | KUIK-OR | 1530 | KFBK-CA |
| 570 | KKFJ-CA | 880 | KTMT-OR | 1380 | KTOM-CA | 1560 | KIQS-CA |
| | KLAC-CA | 970 | KIAK-AK | 1400 | KESQ-CA | 1580 | KTFN-CA |
| 580 | KMJ-CA | | KBEF-CA | | KART-ID | | |
| 600 | KNRO-CA | 980 | KSVU-UT | | KWNA-NV | 92.7 | KMFB-CA |
| 610 | KAVL-CA | 1160 | KSL-UT | 1450 | KVML-CA | 93.3 | KJDX-CA |
| | KZSS-NM | 1230 | KGEO-CA | | KIOV-ID | 94.3 | KNGT-CA |
| 620 | KMJC-CA | 1240 | KELK-NV | | KSGI-UT | 100.7 | KCEZ-CA |
| 670 | KPUA-HI | | WBBW-OH | 1460 | KENO-NV f | 101.1 | KHYL-CA |
| 760 | KGU-HI | | KEJO-OR | 1490 | KBLF-CA | 103.1 | KKCY-CA |
| 780 | KOH-NV | 1250 | KTMS-CA | | KOWL-CA | 104.5 | KEQO-CA |
| 810 | KGO-CA * | 1280 | KJAX-CA | | KRKC-CA | 105.5 | KGOE-CA |
| 830 | KNCO-CA | 1300 | KPTL-NV | | KSYC-CA | | |

Saint Louis Rams 2000

Steve Savard, Jack Snow, Malcom Briggs <<<http://www.klou.com/network.html>>> (09/01/2000)

| | | | | | | | |
|------|---------|------|---------|-------|------------|-------|-----------|
| 800 | KREI-MO | 1220 | KGIR-MO | 1580 | KTGR-MO | | WKAI-IL |
| 900 | KFAL-MO | 1310 | KOCR-MO | 1590 | KDEX-MO | 102.3 | KDEX-MO |
| 930 | KWOC-MO | 1340 | WJPF-IL | 1600 | KATZ-MO *h | 102.7 | WZZI-IL |
| 940 | WMIX-IL | 1350 | WTAZ-IL | | | 103.3 | KLOU-MO * |
| 950 | KWOS-MO | 1360 | KBKB-IA | 93.5 | KRMS-MO | 104.5 | KSLQ-MO |
| 970 | WMAY-IL | 1390 | KJPW-MO | 95.9 | KKBL-MO | 104.9 | KPWB-MO |
| | KWTO-MO | 1400 | KSIM-MO | 97.5 | WBBA-IL | 105.1 | WGEM-IL |
| 990 | WCAZ-IL | 1450 | KJPW-MO | 99.7 | KTTR-MO | 106.7 | WZZL-KY |
| 1020 | WCIL-IL | 1480 | WJBM-IL | 100.1 | WJBD-IL | | |

Tampa Bay Buccaneers 2000

Gene Deckerhoff, Scott Brantley, Tom Korun <<<http://www.buccaneers.com/Season/Broadcast3.asp>>> (08/28/2000)

| | | | | | | | |
|------|-----------|------|---------|------|---------|-------|---------|
| 740 | WINZ-FL | 1270 | WNLS-FL | 1460 | WZNZ-FL | 98.9 | WGUF-FL |
| 900 | WMOP-FL | 1430 | WLKF-FL | 1530 | WENG-FL | 99.5 | WQYK-FL |
| | WSWN-FL | 1450 | WSTU-FL | | | | WRKG-FL |
| 1010 | WQYK-FL * | | WWJB-FL | 95.3 | WXCW-FL | 105.9 | WYNF-FL |

Broadcasters' Guides to DX Four different tri-fold guides for use with reception reports explaining DX'ing, how the NRC was formed, and the importance of QSL's to DX'ers. AM editions in English (EEG), Spanish (SSG), and French (FFG); FM edition in English (FMG). 20 for US\$2.95 (\$3.50 non-members). From NRC Publications. (NY residents, add sales tax)

Tennessee Titans 2000

Larry Stone, Mike Keith, Pat Ryan <<http://www.titansradio.com/affiliate.html >>(08/18/2000)

| | | | | | | | |
|------|-----------|------|---------|------|---------|-------|-----------|
| 540 | WDXN-TN | 1150 | WCRK-TN | 1420 | WKSJ-TN | 100.3 | WOKI-TN |
| 560 | WHBQ-TN | | WGOW-TN | 1430 | WROB-MS | 100.7 | WDMS-MS |
| 620 | WZNN-AL | 1220 | WAXO-TN | 1450 | WTCO-KY | 100.9 | WKBB-MS |
| 630 | WJDB-AL | | WFWL-TN | 1490 | WOMI-KY | 101.5 | WTPR-TN |
| 640 | WGOC-TN | 1230 | WMLR-TN | | WTUP-MS | 102.1 | WCBF-KY |
| 680 | WJIE-KY | 1240 | KWAK-AR | 1530 | WDAP-TN | 102.3 | WGOW-TN |
| 710 | WTPR-TN | | WENK-TN | | | 103.7 | WPTQ-KY |
| 730 | WUMP-AL | 1260 | WGVM-MS | 92.3 | WYNU-TN | 103.9 | WTRZ-TN |
| 740 | WRWB-TN | | WTKN-TN | 93.3 | WPZM-AL | 104.5 | WGFX-TN * |
| 810 | WMGC-TN | 1320 | WMSR-TN | 94.9 | WTRB-TN | 104.9 | WQLA-TN |
| 860 | WSON-KY | 1340 | WFEB-AL | 97.7 | WHRZ-KY | 105.5 | KWAK-AR |
| 920 | WMOK-IL | | WXXR-AL | 98.3 | WSSI-MS | | WSEV-TN |
| 930 | WSLI-MS | | WCDT-TN | | WKSJ-TN | 105.7 | WOFB-TN |
| 950 | WAKM-TN | 1370 | WDXE-TN | 98.9 | WANT-TN | 106.9 | WKXD-TN |
| 1050 | WWIC-AL m | 1400 | WBIP-MS | 99.3 | WXVL-TN | 107.3 | WQLT-AL |
| 1070 | WEKT-KY | | WZNG-TN | | | | |

- * = flagship station
- = previous season's announcers
- a = Late PM and prime-time games simulcast on this station
- b = Broadcasts move here when conflict with baseball
- c = This station broadcasts both the Green Bay Packers and the Detroit Lions.
- d = UNUSED footnote
- e = This station broadcasts both the Dallas Cowboys and the Kansas City Chiefs.
- f = This station broadcasts both the Dallas Cowboys and the San Francisco 49ers.
- g = The Ravens' list has WCBC 107 Cumberland, MD.
- h = The Rams' web page on KLOU does not list KATZ as a flagship station. My monitoring seems to confirm that KATZ does indeed broadcast the Rams' games.
- i = The Bears' list has this station as AM; it is really FM.
- j = The Bears' list has this station as FM; it is really AM.
- k = The Bears' list has "WSDX-AM Brazil, IN"; the call is really WSDM.
- l = The Bears' list has "WSJX-AM Terre Haute, IN". The closest match I could find in AM or FM is 1300 WJSH.
- m = This station broadcasts both the Tennessee Titans and the Atlanta Falcons.
- n = night games only
- o = There is confusion as to the flagship of the Kansas City Chiefs' network. Ken Onyschuk reported "99.7 KYYS-MO new flagship; no further information available." The web page has 101.1 KCFX-MO, and the web page has a different list than last year.
- p = Ken Onyschuk lists "1560 WMKI" as a conflict flagship station for the New York Giants. I have no idea what station that is, as WMKI is not at frequency 1560, nor is it in the NY/NJ area. (WMKI-1260 is in Boston, according to the #21 NRC AM Log -pls.)

The Old Farmer's Almanac Network

The Old Farmer's Almanac Radio Report consists of five 60-second reports per week. They contain: Weather Forecasts Gardening Secrets Kitchen-Tested Recipes The Old Farmer's Almanac, P.O. Box 520, Dublin, NH 03444; Phone 603-563-8111

| <u>Freq</u> | <u>Call</u> | <u>City, St./Province</u> | | | | | | |
|-------------|-------------|---------------------------|-----|------|-----------------|-----|------|------------------|
| 550 | KOY | Phoenix, AZ | 620 | WTRP | La Grange, GA | 640 | WWJZ | East Hampton, NJ |
| 560 | KMON | Great Falls, MT | 620 | KWAL | Wallace, ID | 650 | KMTI | Manti, UT |
| 560 | WVOC | Columbia, SC | 620 | KMNS | Sioux City, IA | 670 | KWXL | Glenwood, AR |
| 570 | WVMI | Biloxi, MS | 620 | WDNC | Durham, NC | 670 | WKFN | Farragut, TN |
| 580 | CKWW | Windsor, ON | 630 | KVMA | Magnolia, AR | 680 | WINR | Binghamton, NY |
| 580 | CKY | Winnipeg, MB | 630 | WMFD | Wilmington, NC | 680 | WRGC | Sylva, NC |
| 600 | WCHT | Escanaba, MI | 630 | KIDD | Monterey, CA | 680 | KOMW | Omak, WA |
| 600 | KSJB | Jamestown, ND | 630 | WIRC | Newton, NC | 690 | KEWI | Benton, AR |
| 610 | WNTW | Winchester, VA | 630 | KWRO | Coquille, OR | 690 | KRCO | Prineville, OR |
| 620 | KMJC | Yreka, CA | 640 | WBOW | Terre Haute, IN | 690 | KPET | Lamesa, TX |
| | | | 640 | KTIB | Thibodaux, LA | 700 | KBYR | Anchorage, AK |
| | | | 640 | WNNZ | Springfield, MA | 730 | KWOA | Worthington, MN |

| | | | | | | | | |
|------|------|--------------------|------|------|---------------------|------|------|----------------------|
| 740 | WMNA | Gretna, VA | 1050 | KMTA | Miles City, MT | 1240 | KTLO | Mountain Home, AR |
| 740 | WJMT | Merrill, WI | 1050 | WFBL | Baldwinsville, NY | 1240 | KCRT | Trinidad, CO |
| 740 | WBAW | Barnwell, SC | 1050 | WGAT | Gate City, VA | 1240 | WBGC | Chipley, FL |
| 740 | WIRJ | Humboldt, TN | 1060 | WMCL | McLeansboro, IL | 1240 | WKIQ | Eustis, FL |
| 740 | KCMC | Texarkana, TX | 1060 | WFLE | Flemingsburg, KY | 1240 | WFOY | Saint Augustine, FL |
| 740 | WMBG | Williamsburg, VA | 1060 | KTOZ | Springfield, MO | 1240 | KICD | Spencer, IA |
| 750 | KOAL | Price, UT | 1070 | WEKT | Elkton, KY | 1240 | KASO | Minden, LA |
| 770 | WZCM | Young Harris, GA | 1070 | WSCP | Pulaski, NY | 1240 | WSYY | Millinocket, ME |
| 770 | WEW | Saint Louis, MO | 1070 | WGOS | High Point, NC | 1240 | WJON | Saint Cloud, MN |
| 770 | WLWL | Rockingham, NC | 1070 | WFLI | Chattanooga, TN | 1240 | WCNC | Elizabeth City, NC |
| 780 | WBBM | Chicago, IL | 1070 | CFAX | Victoria, BC | 1240 | WCON | Woonsocket, RI |
| 780 | WJAG | Norfolk, NE | 1080 | KOAK | Red Oak, IA | 1240 | KCCR | Pierre, SD |
| 780 | KSPI | Stillwater, OK | 1090 | WBZB | Selma, NC | 1240 | WTKR | Fayetteville, TN |
| 790 | WGRA | Cairo, GA | 1100 | WWWE | Carrollton, GA | 1240 | WEON | Staunton, VA |
| 800 | KVOM | Morrilton, AR | 1110 | WBCA | Bay Minette, AL | 1240 | WSKI | Montpelier, VT |
| 800 | WJAT | Swainsboro, GA | 1110 | WBIB | Centreville, AL | 1240 | WIBU | Poynette, WI |
| 800 | WCCM | Lawrence, MA | 1110 | KTLN | Alexandria, LA | 1240 | WJMC | Rice Lake, WI |
| 850 | WPFM | Fairview, TN | 1110 | WSLV | Ardmore, TN | 1240 | KASL | Newcastle, WY |
| 860 | KOSE | Osceola, AR | 1110 | WUAT | Pikeville, TN | 1250 | KHIL | Willcox, AZ |
| 860 | KPAN | Hersford, TX | 1130 | KILJ | Mount Pleasant, IA | 1250 | WYTH | Madison, GA |
| 870 | WFLO | Farmville, VA | 1130 | KLEY | Wellington, KS | 1250 | KCUE | Red Wing, MN |
| 870 | CFCB | Stephenville, NF | 1130 | WSJP | Murray, KY | 1260 | WMMM | Fairfield, CT |
| 880 | KJJR | Kalispell, MT | 1130 | WECR | Newland, NC | 1260 | KVSF | Santa Fe, NM |
| 880 | WRRZ | Clinton, NC | 1140 | WMMG | Brandenburg, KY | 1260 | KWSH | Wewoka, OK |
| 890 | WQIS | Laurel, MS | 1140 | KCXL | Liberty, MO | 1270 | WUCO | Marysville, OH |
| 890 | WHNC | Oxford, NC | 1140 | KCLE | Cleburne, TX | 1270 | WQKR | Portland, TN |
| 900 | KHOZ | Harrison, AR | 1150 | KNED | McAlester, OK | 1270 | WHEO | Stuart, VA |
| 900 | WMVU | Nashua, NH | 1150 | KKEY | Portland, OR | 1280 | KRRF | Denver, CO |
| 900 | WCER | Canton, OH | 1150 | KJBC | Midland, TX | 1280 | WLCC | Macon, GA |
| 900 | WCOR | Lebanon, TN | 1150 | WHBY | Appleton, WI | 1280 | KCNI | Broken Bow, NE |
| 910 | WABI | Bangor, ME | 1160 | WOBM | Howell, NJ | 1280 | KWHI | Brenham, TX |
| 910 | KCJB | Minot, ND | 1170 | WDIS | Norfolk, MA | 1280 | KDYL | Salt Lake City, UT |
| 910 | WPFB | Middletown, OH | 1170 | KOWO | Waseca, MN | 1280 | WYVE | Wytheville, VA |
| 910 | KURY | Brookings, OR | 1180 | WJFJ | Hope Valley, RI | 1290 | KUOA | Siloam Springs, AR |
| 920 | WPTX | Lexington Park, MD | 1190 | WIXE | Monroe, NC | 1290 | WCBL | Benton, KY |
| 920 | WIRD | Lake Placid, NY | 1210 | KOKK | Huron, SD | 1290 | WKLB | Manchester, KY |
| 920 | WKVA | Lewistown, PA | 1210 | WSBI | Byrdstown, TN | 1290 | KGVO | Missoula, MT |
| 920 | WOKY | Milwaukee, WI | 1220 | WSLM | Salem, IN | 1290 | WKNE | Keene, NH |
| 930 | KSEI | Pocatello, ID | 1220 | WBCH | Hastings, MI | 1290 | KOWB | Laramie, WY |
| 930 | WFMD | Frederick, MD | 1220 | WEZU | Stillwater, MN | 1300 | WBSA | Boaz, AL |
| 930 | WKCT | Bowling Green, KY | 1220 | WKMT | Kings Mountain, NC | 1300 | WTLS | Tallassee, AL |
| 930 | WCNR | Bloomingsburg, PA | 1220 | CJOC | Lethbridge, AB | 1300 | WFFG | Marathon, FL |
| 930 | KDET | Center, TX | 1230 | WJBB | Haleyville, AL | 1300 | WIMO | Winder, GA |
| 940 | WGFP | Webster, MA | 1230 | KBTM | Jonesboro, AR | 1300 | WMTN | Morristown, TN |
| 940 | WECO | Wartburg, TN | 1230 | KORT | Grangeville, ID | 1300 | KKOL | Seattle, WA |
| 940 | CJIB | Vernon, BC | 1230 | WJBC | Bloomington, IL | 1310 | WHOP | Foley, AL |
| 950 | WHVW | Poughkeepsie, NY | 1230 | WHOP | Hopkinsville, KY | 1310 | KBOK | Malvern, AR |
| 950 | KTBR | Roseburg, OR | 1230 | WQDY | Calais, ME | 1310 | WTTL | Madisonville, KY |
| 950 | KWAT | Watertown, SD | 1230 | KWIX | Moberly, MO | 1310 | KRBI | Saint Peter, MN |
| 960 | WBMC | McMinnville, TN | 1230 | KXLO | Lewistown, MT | 1310 | WISE | Asheville, NC |
| 960 | KOVO | Salt Lake City, UT | 1230 | KHDN | Hardin, MT | 1310 | KNOX | Grand Forks, ND |
| 960 | CFAC | Calgary, AB | 1230 | KHAS | Hastings, NE | 1310 | WOOX | Bedford, PA |
| 980 | WHSR | Boca Raton, FL | 1230 | KLAV | Las Vegas, NV | 1320 | WBRT | Bardonia, NY |
| 990 | WEIS | Centre, AL | 1230 | WMOU | Berlin, NH | 1320 | WRJW | Picayune, MS |
| 990 | KATD | Concord, CA | 1230 | WCMC | Wildwood, NJ | 1320 | WAGY | Forest City, NC |
| 990 | KAYL | Storm Lake, IA | 1230 | KOTS | Deming, NM | 1320 | WGFT | Gettysburg, PA |
| 990 | WABO | Waynesboro, MS | 1230 | KRSY | Roswell, NM | 1320 | WFHR | Wisconsin Rapids, WI |
| 990 | KSVF | Artesia, NM | 1230 | WNNC | Newton, NC | 1330 | WWIC | Scottsboro, AL |
| 1010 | WPYK | Dora, AL | 1230 | WBBZ | Ponce City, OK | 1330 | WEBY | Milton, FL |
| 1010 | KSJR | Fort Morgan, CO | 1230 | KZZR | Burns, OR | 1330 | WTRE | Greensburg, IN |
| 1010 | WMOX | Meridian, MS | 1230 | KQIK | Lakeview, OR | 1330 | WEBO | Endicott, NY |
| 1010 | KTNZ | Amarillo, TX | 1230 | WAIM | Anderson, SC | 1330 | WAEW | Crossville, TN |
| 1030 | WYSL | Avon, NY | 1230 | KSST | Sulphur Springs, TX | 1330 | KMIL | Cameron, TX |
| 1030 | KMAS | Shelton, WA | 1230 | WODI | Brookneal, VA | 1330 | KOVE | Lander, WY |
| 1050 | WMNZ | Montezuma, GA | 1230 | WFVA | Fredericksburg, VA | 1340 | WFEB | Sylacauga, AL |
| 1050 | KYPI | Ville Platte, LA | 1240 | WEBJ | Brewton, AL | 1340 | KPGE | Page, AZ |
| 1050 | KSIS | Sedalia, MO | 1240 | WBCF | Florence, AL | 1340 | KBTA | Batesville, AR |

| | | | | | | | | |
|------|------|------------------------|------|------|-----------------------|------|------|---------------------|
| 1340 | WFSH | Valparaiso, FL | 1430 | WTTT | Amherst, MA | 1490 | KBSR | Laurel, MT |
| 1340 | KACH | Preston, ID | 1430 | WRXO | Roxboro, NC | 1490 | WLOB | Madison, NC |
| 1340 | WKOZ | Kosciusko, MS | 1430 | WCLT | Newark, OH | 1490 | WSVM | Valdese, NC |
| 1340 | KXEO | Mexico, MO | 1430 | KBRK | Brookings, SD | 1490 | WOHI | East Liverpool, OH |
| 1340 | KTSN | Elko, NV | 1430 | WKEX | Blacksburg, VA | 1490 | WMRN | Marion, OH |
| 1340 | WLVJ | Lockport, NY | 1430 | WBEV | Beaver Dam, WI | 1490 | WBCB | Levittown, PA |
| 1340 | WCBQ | Oxford, NC | 1440 | KVON | Napa, CA | 1490 | WKVT | Brattleboro, VT |
| 1340 | KIHN | Hugo, OK | 1440 | WGEM | Quincy, IL | 1490 | WFAD | Middlebury, VT |
| 1340 | KWVR | Enterprise, OR | 1440 | WEZJ | Williamsburg, KY | 1500 | WMJL | Marion, KY |
| 1340 | WOYL | Oil City, PA | 1440 | KODL | The Dalles, OR | 1500 | WBZI | Xenia, OH |
| 1340 | WRAW | Reading, PA | 1440 | WZYX | Cowan, TN | 1500 | KJIM | Denison, TX |
| 1340 | KTOQ | Rapid City, SD | 1440 | WKLV | Blackstone, VA | 1520 | WOOO | Shelbyville, IN |
| 1340 | WKRM | Columbia, TN | 1450 | KENA | Mena, AR | 1520 | WQWQ | Muskegon, MI |
| 1340 | KHLB | Marble Falls, TX | 1450 | WDNG | Anniston, AL | 1520 | WMLM | Saint Louis, MI |
| 1340 | KLKI | Anacortes, WA | 1450 | WSMQ | Bessemer, AL | 1520 | WDSL | Mocksville, NC |
| 1350 | KRLC | Lewiston, ID | 1450 | KTIP | Porterville, CA | 1530 | KDSN | Denison, IA |
| 1350 | KMAN | Manhattan, KS | 1450 | KVML | Sonora, CA | 1530 | WDAP | Huntingdon, TN |
| 1350 | KBRX | O'Neill, NE | 1450 | WTAL | Tallahassee, FL | 1540 | KDYN | Ozark, AR |
| 1350 | WEZS | Lacomia, NH | 1450 | KVSI | Montpelier, ID | 1540 | WYNC | Yanceyville, NC |
| 1350 | WQNX | Aberdeen, NC | 1450 | KIOV | Payette, ID | 1540 | WBCO | Bucyrus, OH |
| 1350 | WLMA | Greenwood, SC | 1450 | WAVG | Jeffersonville, IN | 1540 | WBTC | Uhrichsville, OH |
| 1350 | KCAR | Clarksville, TX | 1450 | KWBW | Hutchinson, KS | 1540 | WECZ | Punxsutawney, PA |
| 1350 | WBLT | Bedford, VA | 1450 | WTBO | Cumberland, MD | 1540 | KGBC | Galveston, TX |
| 1360 | WLBK | De Kalb, IL | 1450 | WMIQ | Iron Mountain, MI | 1540 | WTKM | Hartford, WI |
| 1360 | KRWC | Buffalo, MN | 1450 | WNBY | Newberry, MI | 1550 | WWWV | Vienna, GA |
| 1360 | WFFF | Columbia, MS | 1450 | WHLS | Port Huron, MI | 1550 | WCCC | Corydon, IN |
| 1360 | KBUY | Ruidoso, NM | 1450 | KMMS | Bozeman, MT | 1550 | WCVL | Crawfordsville, IN |
| 1360 | WELP | Easley, SC | 1450 | WKXL | Concord, NH | 1550 | WMDH | New Castle, IN |
| 1370 | WGCL | Bloomington, IN | 1450 | WFGJ | Northfield, NJ | 1550 | KKLE | Winfield, KS |
| 1370 | WGOH | Grayson, KY | 1450 | WWSC | Glens Falls, NY | 1550 | KWBC | Navasota, TX |
| 1370 | KWRT | Boonville, MO | 1450 | WNOS | New Bern, NC | 1560 | KNZR | Bakersfield, CA |
| 1370 | WPAZ | Pottstown, PA | 1450 | KZZJ | Rugby, ND | 1560 | KABI | Ablene, KS |
| 1370 | WDXE | Lawrenceburg, TN | 1450 | KBFS | Belle Fourche, SD | 1560 | WQXY | Hazard, KY |
| 1380 | WTJK | South Beloit, IL | 1450 | WFTR | Front Royal, VA | 1560 | WKDO | Liberty, KY |
| 1380 | KCIM | Carroll, IA | 1450 | WREL | Lexington, VA | 1560 | WATJ | Chardon, OH |
| 1380 | WMTA | Central City, KY | 1450 | WMVA | Martinsville, VA | 1560 | WAGL | Lancaster, SC |
| 1380 | KUVR | Holdrege, NE | 1450 | KFIZ | Fond Du Lac, WI | 1570 | WOKC | Okeechobee, FL |
| 1380 | WSYB | Rutland, VT | 1450 | WRCO | Richland Center, WI | 1570 | WBGZ | Alton, IL |
| 1380 | CKPK | Brantford, ON | 1460 | WRVK | Mount Vernon, KY | 1570 | WFRL | Freeport, IL |
| 1390 | WZHF | Alexandria, VA | 1460 | WFMH | Cullman, AL | 1570 | KNDY | Marysville, KS |
| 1400 | WZHR | Zephyrhills, FL | 1460 | WZEP | De Funiak Springs, FL | 1570 | WKKS | Vanceburg, KY |
| 1400 | KAYS | Hays, KS | 1460 | WEWO | Laurinburg, NC | 1570 | WABL | Amite, LA |
| 1400 | WCYN | Cynthiana, KY | 1460 | WBRB | Buckhannon, WV | 1570 | WANR | Warren, OH |
| 1400 | KAOK | Lake Charles, LA | 1470 | WRGA | Rome, GA | 1570 | WTRB | Ripley, TN |
| 1400 | WKNW | Sault Sainte Marie, MI | 1470 | WCHJ | Brookhaven, MS | 1580 | WTCL | Chattahoochee, FL |
| 1400 | KBRB | Ainsworth, NE | 1470 | KITO | Vinita, OK | 1580 | WHLY | South Bend, IN |
| 1400 | KLIN | Lincoln, NE | 1470 | KDHN | Dimmitt, TX | 1580 | WLIM | Patchogue, NY |
| 1400 | KWON | Bartlesville, OK | 1470 | KBSN | Moses Lake, WA | 1580 | KGAL | Albany, OR |
| 1400 | WLKK | Erie, PA | 1470 | WBKV | West Bend, WI | 1580 | WLIJ | Shelbyville, TN |
| 1400 | KBJM | Lemmon, SD | 1470 | KKTY | Douglas, WY | 1580 | WTTN | Watertown, WI |
| 1400 | WLSB | Copperhill, TN | 1480 | WKGJ | Arcadia, FL | 1590 | WAIK | Galesburg, IL |
| 1400 | KBYG | Big Spring, TX | 1480 | KRXR | Gooding, ID | 1590 | KTCH | Wayne, NE |
| 1410 | WDOV | Dover, DE | 1480 | WTLO | Somerset, KY | 1590 | WBHN | Bryson City, NC |
| 1410 | WRCV | Grand Rapids, MI | 1480 | WLEA | Hornell, NY | 1590 | WVCC | Honesdale, PA |
| 1410 | WLSH | Lansford, PA | 1480 | WNCR | Fair Bluff, NC | 1600 | KYBC | Cottonwood, AZ |
| 1410 | KQV | Pittsburgh, PA | 1480 | KRAE | Cheyenne, WY | 1600 | KCRG | Cedar Rapids, IA |
| 1410 | WPCC | Clinton, SC | 1490 | KDRS | Paragould, AR | 1600 | KMDO | Fort Scott, KS |
| 1420 | KTOE | Mankato, MN | 1490 | KOWL | South Lake Tahoe, CA | 1600 | KLEB | Golden Meadow, LA |
| 1420 | KREL | California, MO | 1490 | KSYC | Yreka, CA | 1600 | KNCY | Nebraska City, NE |
| 1420 | WASR | Wolfboro, NH | 1490 | WDBQ | Dubuque, IA | 1600 | WNLG | Sag Harbor, NY |
| 1420 | WMYN | Madison, NC | 1490 | WFKY | Frankfort, KY | 1600 | WTZQ | Asheville, NC |
| 1420 | WVOT | Wilson, NC | 1490 | WARK | Hagerstown, MD | 1600 | WBLY | Springfield, OH |
| 1420 | WEMB | Erwin, TN | 1490 | WABJ | Adrian, MI | 1600 | KOGT | Orange, TX |
| 1420 | WWSR | Saint Albans, VT | 1490 | KDMO | Carthage, MO | 1620 | KAJS | Muskogee, OK |
| 1420 | KUJ | Walla Walla, WA | 1490 | KDBM | Dillon, MT | 1620 | WTAW | College Station, TX |
| 1430 | KASI | Ames, IA | | | | | | |
| 1430 | WNAV | Annapolis, MD | | | | | | |

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.

Dave Schmidt NRCMusings@aol.com
P. O. Box 3111
Scranton, PA 18505-0111

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

Martin Greer - 38 Brougham Street West - Launceston Tasmania, 7250, Australia (Rec'd 8/5)

Hello from DOWN UNDER! I suppose the time is appropriate to send in a MUSE as it is some 47 days, as I write (7/30-DWS) until the 2000 Olympics in Sydney. An important part of this years event will be the Australian Broadcasting Corporations role communicating to Australia and also via Radio Australia. For those who DX the medium waves. Stations known as metropolitan and regional ABC networks (refer to the current WRTT11) lists what these stations are. Going on post Olympics, the ABC should be broadcasting around 24 hours a day starting from the beginning of the event til the last day (the ABC is NOT the host TV broadcaster, the '7 Network' is to cover that). Trying to get a reception report off to whatever station that may be listened to may be a bit of a problem as far as what content may be. The best address particularly during the games, is to send reports to the ABC Sydney address. The Parliamentary News Network may do some coverage also. As far as the commercial stations, they may do some broadcasting of events. In Sydney, 2GB-873 and 2UE-954 may be a couple to have a go for also. Before the Olympics, a couple of National Football Grand Finals will be played, these being the Australian Football League or colloquially known as Aussie Rules and also the National Rugby League. The Grand Finals of these events have been brought forward about a month earlier than usual as a direct result of the games. That's all for now and good listening! (Thanks for the report Martin, and we hope you'll keep us posted on the goings on in your areal-DWS)

George B. Holland, Jr. - 22 Knadler Drive - Latham, NY 12110-1607 (Postmarked 7/30, rec'd 8/5)

In response to your invitation for reintroductions, I am a relatively inactive DX'er. I am 84, a retired bank president. My equipment consists of a Radio Shack DX440 receiver, and a small loop antenna (Radio Shack cat. #15-1853). My verified log totals 885 (22 countries). First veries is dated Jan. 1, 1931. Number 885 is Kvitsoy, Norway (cellar reception, barefoot). In the early days, I verified 2GB Sydney, 4QG Brisbane, and JOIK Sapporo on a 7 tube Ware table radio (also the low powered 10's, 3 from ON and 10AB, 25 watts, Moosejaw). Later, I had great DX with an HQ129X (wish I still had it). Currently, from time to time, I check 684, 855 for Spain.....hear 'em but not enough for a report. I should report YVKS-750 as they are frequently well received, even on the car radio. As I mentioned in my last reintro 5 years back, I envy MARK CONNELLY's location and equipment. Wish I spoke his language but its mainly Greek to me (pennant antennas, etc.) JIM RENFREW's column is most valuable.....would never have found Norway-1314 without it. Guess I'll sign off now, don't want to be too long-winded for an inactive DXer. 73 (It never happens George, and thanks for checking in again!-DWS)

Wayne Heinen - 4131 S. Andes Way Aurora CO 80013

I guess it's been at least a year since I've showed up in Musings! DX the last few years has had some limitations caused by the QRM from lots of neighbors with computers and other RF generating devices. Most catches have been early morning or late evenings when they're shut down. The 21st edition of the LOG is out and I've already made the first few dozen database changes for the 22nd edition.

As a re-intro - I started BCB DX'ing in 1963 in Orchard Park NY and joined the NRC in February 1965. I've been DX'ing from Colorado since 1975. I'm primarily a Domestic DX'er and QSL collector, a portion of the hobby that has become rather difficult and expensive over the years. I'm active in amateur radio, NOPOH and frequent bands 6 meters and up. Just passed the big 50 years of age and am employed as a real estate appraiser for the Arapahoe County Assessor. That's about all from Colorado for this time; hope all had a great time in Lima and that 2000-2001 will be a great DX season.

Team Effort ...

That's what makes the NRC so great! And all information, contributions, and editing for DX News, DX Audio Service, and all publications is done by unpaid volunteers as part of a team. Perhaps you have a little time to give to your club ... if so, please write to Ken Chatterton - P. O. Box 164 - Mannsville, NY 13661-0164, and let him know what talents and time you can offer to the club. Updates to the NRC AM Log are always needed. Why not write to Ken today?!