

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	KSDT	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

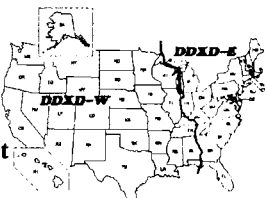
6124 Roaring Springs Drive - North Richland Hills, TX 76180-5552

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@arrr.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

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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 Tolleeson - 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

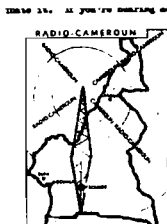
- 153 ALGERIA Bechar, AUG 4 0100 - Good signal, news, F AA newscaster. Also Germany under with news [Stromsted-MA] AUG 6 0158 - Arabic modern music similar to soft rock followed by AA news after pips at 0200 with husky female AA newscaster, loud S9+20. AUG 11 0135 - Two AA men in serious discussion. 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 Rodriguez 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 Geneva 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 WRTN2000, 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>

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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

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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.

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).

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

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	KZIP	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).

WVMR

1370 AM
Dunmore, W. Va. 24934
304 799-6004

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

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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 (WBWM, 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

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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 <MarkWAIION@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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Graveyard Achievements

Distance records for stations logged on graveyard frequencies



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	Keauu, 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	Keauu	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	Keauu	#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
WMBM	FL	Miami Beach	Marc DeLorenzo	Hyannis, MA	4186
WCKC	FL	Milton	Steve Francis	Alcoa	*1232
WEAG	FL	Starke	Don Trelford	Runaway Bay, Jamaica	399
WEAG	FL	Starke	Steve Francis	Alcoa	851
WTTB	FL	Vero Beach	Marc DeLorenzo	Hyannis	*420
WSIR	FL	Winter Haven	Karl Jeter	Stone Mountain	1125
WMOG	GA	Brunswick	Don Trelford	Runaway Bay	426
WMOG	GA	Brunswick	Russ Edmunds	Runaway Bay	919
WMLS	GA	Monroe	Jason Hustedt	Parsippa, NJ	*351
WSNT	GA	Sandersville	Ernie Cooper	Lexington, SC	144
WSYL	GA	Sylvania	Steve Francis	Provincetown	990
WRLD	GA	West Point	Don Trelford	Alcoa	251
WRLD	GA	West Point	Steve Francis	Runaway Bay	1113
KCID	ID	Caldwell	Esa Hänninen	Alcoa	*213
KCID	ID	Caldwell	Shawn Axelrod	Lemmenjoki	4435
KKLB	ID	Chubbuck	Esa Hänninen	Winnipeg	*1009
KKLB	ID	Chubbuck	John Wilkins	Lemmenjoki	4431
KOFE	ID	St. Maries	Phil Bytheway	Wheat Ridge, CO	*440
WKRO	IL	Cairo	Russ Edmunds	Seattle	271
WDAN	IL	Danville	Niel Wolfish	Glen Rock, NJ	851
WDAN	IL	Danville	Shawn Axelrod	Winnipeg, MB	806
WESL	IL	East St. Louis	John Malicky	Winnipeg	(Tie) 806
WOPA	IL	Oak Park	John Campbell	Pittsburgh, PA	546
WOPA	IL	Oak Park	Wayne Heinen	Bridestow, England	3701
WZOE	IL	Princeton	Niel Wolfish	Orchard Park, NY	*466
WKBV	IN	Richmond	Niel Wolfish	Willowdale, ON	541
WNDU	IN	South Bend	Steve Francis	Winnipeg	961
KBUR	IA	Burlington	Esa Hänninen	Alcoa	427
KBUR	IA	Burlington	John Johnson	Lemmenjoki	4220
WDBQ	IA	Dubuque	Wayne Heinen	Sheridan, WY	*847
KXLQ	IA	Indianola	John Wilkins	Colorado Springs, CO	779
KRIB	IA	Mason City	Esa Hänninen	Wheat Ridge	615
KRIB	IA	Mason City	John Wilkins	Lemmenjoki	4110
KKAN	KS	Phillipsburg	Olle Alm	Wheat Ridge	*657
KKAN	KS	Phillipsburg	Shawn Axelrod	Abisko, Sweden	4318
KTOP	KS	Topeka	Esa Hänninen	Winnipeg	*691
KTOP	KS	Topeka	Jeff Falconer	Lemmenjoki	4417
WFKY	KY	Frankfort	Bob Mielcarek	Clinton, ON	*797
WKAY	KY	Glasgow	Frank Merrill	Milwaukee	370
WFXV	KY	Middlesboro	Jeff Falconer	Milan	352
WOMI	KY	Owensboro	Steve Kennedy	Clinton	498
WSIP	KY	Paintsville	Ernie Wesolowski	Coal Township	605
WIKC	LA	Bogalusa	Charles Reh	Omaha, NE	749
KEUN	LA	Eunice	Jim Boehm	Leamington, ON	867
KJIN	LA	Houma	Bob Mielcarek	San Antonio	368
KRUS	LA	Ruston	Charles Reh	Milwaukee	944
WPOR	ME	Portland	Esa Hänninen	Leamington	859
WPOR	ME	Portland	Jean Burnell	Lemmenjoki	3600
WTVL	ME	Waterville	Charles Reh	St. John's, NF	*889
WARK	MD	Hagerstown	Andy Rugg	Leamington	673
WHAV	MA	Haverhill	Jerry Starr	Montreal, PQ	457
WMRC	MA	Milford	Christian DeHaes	Youngstown, OH	516
WACM	MA	West Springfield	Jeff Falconer	Chicoutimi, PQ	436
WABJ	MI	Adrian	Esa Hänninen	Clinton	463
WABJ	MI	Adrian	Shawn Axelrod	Lemmenjoki	4009
WTIQ	MI	Manistique	John J. Rieger	Winnipeg	*829
WMPX	MI	Midland	Niel Wolfish	Winnipeg	742
WMPX	MI	Midland	Shawn Axelrod	Winnipeg	(Tie) 742
WUBR	MI	Whitehall	Barry McLarnon	Ottawa, ON	539

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
WGCD	SC	Chester	Steve Kennedy	Coal Township	495
WMRB	SC	Greenville	Jeff Falconer	Clinton	608
WSDC	SC	Hartsville	Russ Edmunds	Little Silver	515
KFCR	SD	Custer	John Wilkins	Wheat Ridge	284
KORN	SD	Mitchell	Charles Reh	Leamington	788
WOPI	TN	Bristol	Andy Rugg	Montreal	760
WDXB	TN	Chattanooga	Carl Dabelstein	Lincoln, NE	737
WCSV	TN	Crossville	Charles Reh	Leamington	440
WITA	TN	Knoxville	Jeff Falconer	Clinton	545
WJIM	TN	Lewisburg	Ron Bailey	Shelby	296
WDXL	TN	Lexington	Carl Dabelstein	Lincoln	574
KNOW	TX	Austin	Ron Schiller	Dallas, TX	183
KIBL	TX	Beeville	Jim Boehm	San Antonio	88
KBST	TX	Big Spring	John Johnson	Sheridan	915
KQTY	TX	Borger	Shawn Axelrod	Winnipeg	990
KNEL	TX	Brady	Jim Boehm	San Antonio	125
KWMC	TX	Del Rio	Jim Boehm	San Antonio	145
KSAM	TX	Huntsville	Jim Boehm	San Antonio	192
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

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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	Keauu	#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	KBMN-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

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	WLVV	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	KRWK	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	KRXX	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	WWCC	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.

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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 WRTT) 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?!