

# DXN News

• Serving DX'ers since 1933 •

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*From the publisher ...* I am happy to announce a personal change in my life; as of August 5, I have joined the ranks of the retired! Without going into the gory details, when I discovered that I was eligible for benefits and retirement pay greater than what I would have received if I had stayed around and dealt with annoying 7th graders, it took me all of about .3 seconds to decide to pull the plug. Now maybe I'll have time to track down the QRM that seems to be rampant in SE Topeka (sort of a whine, as if it is coming from a piece of machinery, although it traces back to the powerline) and then actually DX once again.

Time's growing short for you to book your room and send Bob Smolarek your registration check for the 2009 NRC Convention in Allentown, PA (my check will be in the mail Monday, Bob - I swear!).

We are now taking pre-orders for the 30th edition of the *AM Radio Log* on [www.nrcdxas.org](http://www.nrcdxas.org); see more info on page 30. The 29th edition is sold out but the 30th edition is on track will be available around Labor Day, as usual.

*New DDXD-West editor ...* Jim Tedford, Bothell, WA will be our new DDXD-W editor, starting in September, and we certainly thank Jim (as well as others) who stepped forward and volunteered for this important editorship. See p. 5 for his addresses, and kindly send loggings for DDXD-W to him. Loggings sent to the previous, temporary editor will indeed be forwarded.

*Contest manager needed ...* Bruce Conti has decided not to continue as NRC contest manager, due to a heavy work load and other commitments. If running the NRC Contest appeals to you, please apply to the publisher (address on back page) via e-mail. NRC BoD chairman Wayne Heinen, a former contest manager himself, says that he would be happy to assist the new manager with some ideas for contests.

*Unfilled positions ...* We're in need of volunteers for the following positions: an Internet web guru, to manage and update [www.nrcdxas.org](http://www.nrcdxas.org); , a DXN publisher, and one or more persons to edit future NRC publications developed by contributors or the club.

## DXN Publishing Schedule, Volume 77

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

## DX Time Machine

*From the pages of DX News*

50 years ago ... from the August 15, 1959 issue of *DX News*: Hank Wilkinson, N. Hollywood, CA reported that veries from Radio Sakhalin-973, KLKA-970, KLKB-818, JODP (1 kW), BED-22-660 Taiwan, plus several from China, made the last DX season "quite wonderful".

25 years ago ... from the August 20, 1984 DXN: Brian Vernon, DX'ing in northern England on 5-29, reported Laser-558 being QRM'ed by Ireland-567.

10 years ago ... from the August 16, 1999 DXN: Ron Musco, Poquonock, CT received a reception report from Horton H. Heath, who confirmed reception of LO03 (Radio Swan) on October 15, 1997, at 12:30 am, noting that the station "... was installed near Swan Island many years ago to be used as a homing beacon by the numerous aircraft sent by C. M. Stanbury III in his attempts to prove that Radio Swan was not located there. About ten years ago this beacon broke loose in a hurricane and has been drifting slowly up the Atlantic Coast of the United States ever since. As far as we can determine, at the time of your reception LO03 had drifted up the Hudson River and various creeks and streams and was located at the Municipal Sewage Treatment Plant in Mount Kisco, NY."

From the "lost" pages: December 6, 1958 ... Dan K. Phillips, Clinton, TN reported that DX presently was "pretty good", as he'd been averaging two new stations every day and added that he had been getting mostly Mississippi stations.



# AM Switch

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North Richland Hills, TX 76180-5552



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

## CALL LETTER CHANGES

	<u>Old Call</u>		<u>New Call</u>
1010	KPCW	UT Tooele	KIHU
1060	KHBC	HI Hilo	KIPA
1120	NEW	ME Richmond	WZME
1250	WVKY	KY Nicholasville	WLRT
1250	KCST	OR Florence	KCFM
1340	WBBL	MI Grand Rapids	WJRW
1450	WMAJ	PA State College	WQWK
1500	WEAC	SC Gaffney	WZZQ
1660	WFNA	NC Charlotte	WBMX



## CPs ON THE AIR

750	KHWG	NV Fallon - Is now on the air with U1 10000/250.
800	KINY	AK Juneau - Returns to U1 10000/7600 after operating on an STA for the past year.
960	WLPR	AL Prichard - Is now on with U1 5000/32, lowering the night power and eliminating the directional operation.
990	KATD	CA Pittsburg - CP for U4 10000/5000 is on. [state correction from last issue]
1030	WNVR	IL Vernon Hills - Is back on with U7 10000/120 CH 3200 after suffering transmitter equipment damage (see Issue 27) and operating on an STA since April.
1040	WPBS	GA Conyers - Is now on with D1 50000/0 CH 5500 from the adjusted coordinates of N33-40-51 W84-01-44.
1200	KFNW	ND West Fargo - Is now on the air with U4 50000/13000.
1230	KXO	CA El Centro - Is now on with U1 830/1000, relocating their transmitter to a new 295' tower (co-located with KXO-FM) at N32-48-24 W115-32-44. Since the new tower is approximately 100' taller than their old tower, KXO is required to reduce the daytime power to cover the same 'footprint'.
1230	KLAV	NV Las Vegas - CP is on moving to a new 218' tower at N36-12-52 W115-09-18 while they remain U1 1000/1000.
1230	KSIX	TX Corpus Christi - CP for U1 720/720 is now on from the taller (thus reduced power levels) #4 (daytime) 277' tower of KEYS-1440 at N27-47-02 W97-27-29.
1310	KGLB	MN Glencoe - CP for U4 2500/270 is on, moving from St. Peter, relocating to a new two-tower site at N44-46-41 W94-07-40. The new daytime pattern is a balloon-shaped plot due west with a small lobe off the back. The new night-time plot is kidney-shaped headed northwest.
1330	WLBB	GA Carrollton - CP for U1 1000/34 is on the air, doubling the daytime power.
1370	KRVZ	AZ Springerville - Coordinate adjustment to N34-08-17 W109-16-15
1450	KWES	NM Ruidoso - Is now on with U1 1000/910. Their [silly] application for U1 5000/201 has been dismissed.
1460	WQXM	FL Bartow - Is now on with U5 10000/155.. The new day pattern is basically a round balloon directed to the east-northeast.
1490	WKDR	NH Berlin - New station is on with U1 1000/930 at N44-28-58/71-10-38.
1500	WPMB	IL Vandalia - CP for U1 250/2 is now on, adding night operation.
1540	WOGR	NC Charlotte - Is now on with D3 2400/0
1560	KGOW	TX Bellaire - CP for U4 50000/15000 is on the air after building a new night-time site consisting of nine towers at N29-54-06 W95-48-16. The new night pattern shoots the majority of the power to the southeast, with minor lobes to west, northwest, northeast and east.
1590	WCGO	IL Evanston - CP for U2 7000/2500 is on the air, doubling the daytime power.

ACTIONS

- 730 WLTV SC Charleston - CP Mod granted for U1 5000/103.
- 780 CFDR NS Dartmouth - Has made the switch to 92.9 MHz as CFLT on July 14. Format is AC with a slogan of *Lite 92 point 9*. AM station is now silent, leaving the air without utilizing simulcast time for FM conversions.
- 860 KTRB CA San Francisco - CP granted for U2 50000/50000 moving the daytime transmitter to one of KFAX-1100's towers at N37-37-57 W122-07-47, leaving the nighttime signal to emanate from the current four-tower array at N37-35-34 W121-46-27.
- 900 KALI CA West Covina - CP granted for U4 5000/79 moving its daytime site to that of KAHZ-1600 Pomona at N34-01-48 W117-43-35. The new day pattern sends a large (almost) circular lobe to the southwest. The night transmitter remains at N34-01-54 W117-56-0.6
- 960 WSVU FL North Palm Beach - CP modification granted for U4 2400/1400.
- 1190 KREB AR Bentonville-Bella Vista - CP granted for U1 5000/14, adding the nighttime authorization.
- 1220 KDOW CA Palo Alto - CP granted for U4 50000/50000 moving to a new 4-tower site at N37-38-46 W122-08-38 using three towers during the daytime and four at night.
- 1460 WJTI WI West Allis - CP granted for U4 1000/240 moving from Racine and diplexing into the four-tower site of WGLB-1560 Elm Grove at N43-00-42 W88-02-06.
- 1470 KIID CA Sacramento - Is now on with an STA for U1 1250/250 due to a grass fire, the heat from which took down one of their three towers and bent a second, which was subsequently toppled by cutting a guy wire.
- 1490 KGBA CA Heber - CP granted for U1 1000/1000.
- 1520 WCHE PA West Chester - CP granted for D4 1000/0 CH 800.

GRANTS FOR NEW STATIONS

- 1250 NEW CO Johnstown - CP granted for U4 250/350 from three towers (3-day / 2-night) at N40-19-59/104-52-50. The daytime pattern sends equal lobes to the ESE and WSW while the night pattern is directed to the SW with a small lobe off the back.
- 1340 NEW LA Vidalia - U1 1000/810 at N31-33-33 W91-23-30.

AMENDMENTS TO CONSTRUCTION PERMITS

- 1040 WZNA PR Moca - Licensed for U4 5000/245, WZNA has a CP for U4 9000/245. This amendment requests U4 9000/250.
- 1090 KPTK WA Seattle - Licensed for U4 50000/50000, KPTK has a CP for the same facilities, but making adjustments to both patterns. This amendment makes further adjustments to both day and night patterns. This suggests they are having trouble getting the new parameters in tolerance.[??]
- 1190 NEW AR Pine Bluff - Having a CP for U2 10000/350, this yet-to-be-built station has now amended the application to U2 25000/350 at White Hall, Arkansas (White Hall was mis-identified as being in Georgia on prior FCC documents)
- 1190 KDYA CA Vallejo - Licensed for D3 1000/0, KDYA was issued a CP for D3 3500/0. They then submitted an amendment for D3 3000/0. The CP now has been deleted in favor of the pending amendment.
- 1260 KBSZ AZ Apache Junction - Licensed for U1 350/100 on 1250 at Wickenburg, KBSZ has a CP to move to 1260 kHz with U1 320/50 changing the CoL to Apache Junction. This amendment requests U1 800/50 on 1260 at Apache Junction.
- 1560 WCMA AL Daleville - Licensed for D1 50000/0 CH 2500, WCMA has a CP for U1 50000/6 CH 2500. This amendment requests U1 46700/7 CH 2500.

APPLICATIONS

- 660 KSKY TX Balch Springs - Applies for auxiliary facilities of U1 2700/100.
- 680 WAPA PR San Juan - Applies for U2 10000/10000 (no change), making a slight adjustment to the nighttime pattern.
- 730 WOHS SC Shelby - Applies for U1 10000/19 along with a change in City-of-License (CoL) to Cramerton.

940	KTON	TX	Belton - Applies for U7 3500/5 CH 3500.
980	WHAW	WV	Weston - Applies to change the CoL to Lost Creek remaining U1 25000/47.
1220	KDOW	CA	Palo Alto - Applies for U4 50000/50000.
1330	KCKM	TX	Monahans - Applies for U2 12000/1000.
1340	WYBC	CT	New Haven - Applies for U1 1000/880.
1360	WIXI	AL	Jasper - Applies for U1 12000/42.
1460	KBRZ	TX	Missouri City - Applies to double their daytime power as U5 10000/125.
1460	CJOY	ON	Guelph - Applies to move to 95.7 MHz with 30 kW at 53.7 metres. They propose to continue with their current oldies format on FM.
1550	KMAD	OK	Madill - Applies to move to a new tower location at N34-06-52 W96-45-58 as they remain U1 250/90.
1550	WZRK	WI	Lake Geneva - This silent station applies for D1 1300/0 along with a change in CoL to Northbrook, Illinois.

#### AMENDMENTS TO APPLICATIONS

630	KTKK	UT	Sandy - Licensed for U4 1000/500, KTKK has submitted several applications over the past five years, all of which requesting a move to Kearns, Utah with varying amounts of day and night power. The latest application is for U4 935/484.
890	WFAB	PR	Ceiba - Licensed for U1 250/250, WFAB applied for an STA with U1 2500/600. This amendment is for U1 5000/600, but still an STA.
1380	WMJR	KY	Nicholasville - Licensed for U1 5000/38, WMJR applied for U1 2500/38. This amendment is for U1 10000/38.
1460	KCLE	TX	Burleson - Licensed for U4 5000/700, KCLE applied for U4 11000/700. This amendment requests U4 12000/700.
1590	WABV	SC	Abbeville - Licensed for U1 1000/27, WABV submitted an application for D3 14000/0 moving all the way to Whitney, Nevada and changing frequencies to 1370. This amendment is for D1 250/0 back at Abbeville and back on 1590.
1600	NEW	TX	Dalhart - Applies to change the CoL to Vega, Texas as U4 2500/27.

#### DISMISSALS

1250	NEW	MD	Salisbury - CP for a new station.
1410	WEGO	NC	Concord - Construction Permit for U1 1000/68.

#### LICENSE CANCELLATIONS/CALL LETTERS DELETED

610	CHNC	QC	New Carlisle - Simulcast time with FM expires
730	WASO	LA	Covington
780	CFDR	NS	Dartmouth - See item is ACTIONS, above.
1150	CHGM	QC	Gaspe - Simulcast time with FM expires



#### APPLICATIONS FOR NEW STATIONS

1400	NEW	UT	Vernal - Applies for U1 1000/1000.
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#### AM on FM and FM on AM

720	KOTZ	AK	Kotzebue - Is being simulcast on new KINU-89.9 Kotzebue
1080	KRLD	TX	Dallas - Is carried on KRLD-FM 105.3 HD2
1130	KQNA	AZ	Prescott Valley - Can now be heard on K260BL-99.9 Prescott
1240	WDXY	SC	Sumter - Is now on W290AY-105.9 Sumter
1340	WRHI	SC	Rock Hill - Is 'relayed' on W232AX-94.3 Rock Hill

#### HEAR AND THAR

☞ Returning to the airwaves: none reported.

◆ Reported as Silent: WREN-590 Carrollton, Alabama; WEEL-710 Dothan, Alabama; KCNM-1080 Navy Hill, North Marianna Islands; WAGE-1200 Leesburg, Virginia; WULA-1240 Eufaula, Alabama; KGLB-1310 Glencoe, Minnesota; WROP-1390 Belton, South Carolina; WWCL-1440 Lehigh Acres, Florida; and WTQS-1490 Cameron, South Carolina.

◆ FINES: WJFN-970 has been fined \$1200 for not having an operational EAS system and failure to have a locked fence around their tower(s); A fine of \$500 has been levied against KIGO-1420 St. Anthony, Idaho for failing to maintain a locked fence around their tower; A \$4000 fine has

been assessed to WXMC-1310 Parsippany-Troy Hills, New Jersey for failure to maintain radio lists/program files in its public inspection files.

◆ Thanks to Gerald Conkling, Jr., Wayne Heinen, Jefferson Lewis, Dave Schmidt, Jerry Starr, John Tuddenham and Fred Vobbe.

## GRAVEYARD DX UPDATE

1400 kHz:

WGHC GA Clayton

Steve Francis

Alcoa, TN

Miles

72

See the entire GYDX Totals column elsewhere in this Issue.

# Domestic DX Digest

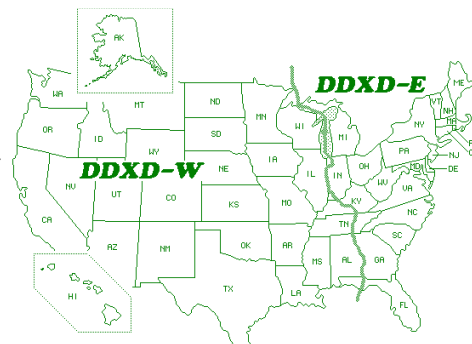
West: Jim Tedford Radio\_Enthusiast@hotmail.com

20310 Bothell-Everett Highway B4 - Bothell, WA 98012-8133

East: Mike Brooker aum108@idirect.com

99 Wychcrest Ave - Toronto, Ontario M6G 3X8 CANADA

(Division line  
is between East  
and Central time  
zones)



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

### DDXD-West

From the heartland of America

Welcome to the last DDXD-West column from Topeka! As you can see from the masthead above, you'll be sending your loggings to the far west coast to our newest volunteer and column editor, Jim Tedford, who will be accepting all loggings for this column from now on. Thanks to Jim and the others who volunteered for this important editorship as well as those members who continued to send in their loggings and reports, especially Dale Park who continues to be relentless and tireless in ferreting out changes in the radio world.

Shawn Axelrod comments: "Finally something to report. I was lucky enough to hear local CFRW off for a bit. They must have been doing transmitter work as they were off air but every so often an open carrier would come on and then they were off again. Nothing new heard."

#### Reporters

(DP-HI) Dale Park, Honolulu HI

(JEL-MO) J E Lewis, Kansas City - Grundig G5, Select-A-Tenna

(MP-NE) Mike Plumb, Papillion - Sony ICF-2010/Sangean DT-400W/Grundig S350DL. Antennas used: 30" square loop/Storage crate loop(single crate)/Select-A-Tenna/Radio West loop/Palomar loop/MTM Scientific@ loop

(SA-MB) Shawn M. Axelrod VE4DX1SMA, Winnipeg, MB - ICOM ICR-70, Drake R8, 4-foot un-amplified box loop, Quantum Loop, 155-foot outdoor wire, 100-foot indoor wire, MJF 1026 Phasing unit



#### Station News

- |     |      |     |  |
|-----|------|-----|--|
| 570 | KNRS | UT  | Salt Lake City Per Radio-Info.com, stn began simulcasting on KTMV-FM 105.7 8/03. After 45 days, the conservative talk format will stay on FM while 570 gets a new format. Stn slogan is "Family Values" and features Limbaugh, Beck, Ramsey, Dr. Laura, George Noory, Kim Komando and Bill Cunningham. (DP-HI) |
| 670 | KMZQ | NV  | Las Vegas Per Radio-info.com, stn has cut back on its classic rock and is now airing "Best Rock of the 70s and 80s" // KMZQ-FM 99.3 Payson, AZ. (DP-HI)  |
| 730 | WUMP | -AL | Madison Per Radio-Info.com, stn drops Premiere Radio's Jim Rome in favor of local show 1300-1600. WUMP is also being relayed over translator W280BA-FM 103.9. (DP-HI)  |
| 790 | KNST | AZ  | Tucson Per Radio-Info.com, stn added Premiere's Glenn Beck 6/29, airing 1806-2100 Mon-Sat. (DP-HI)   |
| 790 | KFYO | TX  | Lubbock Per Radio-Info.com, stn adds Dial Global's Clark Howard 2306-0100, replacing Dave Ramsey. (DP-HI)  |
| 880 | KHCM | HI  | Honolulu Per Honolulu Star-Bulletin and letter from China Radio International,   |



stn ended simulcasting country KHCM-FM 6/30 and switched to a relay of CRI's "Beyond Beijing" service. (This service is also heard on stations in Kenya, Western Australia and Vanuatu.) The irony of a Protestant Christian outfit like Salem Media airing programming from a Communist broadcaster notwithstanding, the airtime lease was arranged by R&C Productions Inc., which also leases time for CRI on various stations in the US and Canada. EE is heard 2100-1200 ELT, with prgms in Mandarin, Cantonese, Japanese and Korean filling out the schedule. (DP-HI)

- 910 KATH TX **Frisco** 8/6 21:56-22:00 Fair to good, far over one UNID with health care commentary, CL, mention of Catholic radio for North Texas. First time here. Their night pattern has a null in this direction. (JEL-MO)
- 950 KJTV TX **Lubbock** Per Radio-Info.com, stn adds Dave Ramsey at 1506-1800. Show moves from KFYO-790 and shifts Dr. Laura to 1906-2100. Stn slogan is "Fox Talk 9-50" (sister TV station KJTV is also a Fox affiliate). (DP-HI)
- 960 WERC AL **Birmingham** Per *Birmingham News*, stn began being relayed on former rocker WVVB-FM 105.5 late on 7/05. Stns feature Limbaugh, Beck, Clark Howard and Noory. (DP-HI)
- 1090 WAQE WI **Rice Lake** Adds Jim Rome 8/03 per Radio-info.com. (DP-HI)
- 1110 KAOI HI **Wailuku/570 KQNG-HI Lihu'e** Per monitoring, stns added Premiere's "Leo Laporte the Tech Guy" Sats. and Suns. from 7/04, pushing Kim Komando to Sat. 2307-0100. (DP-HI)
- 1120 KPNW OR **Eugene** Per *Eugene Register-Guard* and *The Oregonian*, stn went off the air for several days following the failure of its transmitter 7/03. KPNW then switched to its 60-year-old back-up, which caught fire 7/05 forcing the stn off again. KPNW returned before 1500 7/07. (DP-HI)
- 1140 KHTK CA **Sacramento** Per Radio-Info.com, stn has replaced the defunct Mike O'Meara show with local host at 1500-1800 weekdays. (DP-HI)
- 1140 KGEM ID **Boise/1490 KCID-ID Caldwell** Per *Idaho Stateman*, stns have been sold to a non-profit Catholic group and will switch their formats to Catholic, EE on KGEM and SS on KCID. (DP-HI)
- 1180 KYES MN **Baxter** Per *St. Cloud Times*, the Catholic stn was scheduled to launch Aug. 1, though it would be testing for the previous three weeks. Some prgmming will come from Relevant Radio. Stn founder is Andy Hilger and P.D. is David Rydberg. Per Upper Midwest Broadcasting, power is 50 kW days, 8 kW CH, 5 KW night using a two-tower directional pattern days and critical hours, and a seven-tower pattern at night. (DP-HI)
- 1270 KRVT OK **Claremont/1570 KZLI-OK Catoosa** Per Radio-Info.com, stns added Citadel Media's Don Imus 6/29. (DP-HI)
- 1280 KPTQ WA **Spokane** Added Premiere's Randi Rhodes 7/27 per Radio-Info.com, airing 1807-2100. (DP-HI)
- 1310 KGLB MN **Glencoe** Per *Herald-Journal of Winsted*, the former KRBI-1310 St. Peter returned to the air 7/15 with a "classic hit country" format. The stn uses 2.5 kW day and 270 watts night from two towers just east of Glencoe and "has a strong signal in parts of Wright, McLeod, Carver and Meeker counties." (DP-HI)
- 1350 KDZA CO **Pueblo** Per Radio-Info.com and Wikipedia, stn dropped olides in late July and went back to sx featuring Jim Rome. (DP-HI)
- 1470 KIID CA **Sacramento** Per KXTV-TV Channel 10's website, stn ran 400 watts non-directional for a few weeks after fire damaged two of its towers. (DP-HI)
- 1490 WESL IL **East St. Louis** Per *St. Louis Post-Dispatch*, stn dropped network sx featuring Fox Sports Radio and its callsign 7/22 and went to local "urban sports talk" and its old call letters. (DP-HI)
- 1520 KOKC OK **Oklahoma City** Per Radio-info.com, stn adds Dave Ramsey at 1407-1700, moving from KTOK-1000. The change moves Dial Global's Neil Boortz to 1706-2000, replacing local talk. Stn also adds Talk Radio Network's "America's Morning News" at 0600-0900. (DP-HI)
- 1590 KCNN MN **East Grand Forks** Adds Jim Rome 8/03 per Radio-Info.com, though this is not reflected on the stn's website. (DP-HI)
- 1590 KQLONV Sun **Valley** Per Radio-Info.com, stn switches from SS religious to SS talk under new ownership. Stn slogan is "Innovacion." (DP-HI)
- 1630 KCJJA Coralville Per Radio-Info.com, stn replaced the defunct Mike O'Meara with local

tx 1506-1900. (DP-HI)

- 1710 "WONE" NE **Omaha** Per *Omaha World-Herald*, a stn called WONE signed on late July with an "urban talk and news format." Stn founder and "owner" says the stn's goal is "to be community-based, allowing people to share their thoughts, talents and opinions." Article did not mention that it is a pirate stn or that it's using the call letters of WONE-980 Dayton. (DP-HI)

### Special

- 1290 CFRW MB **Winnipeg** 08/07 0235 Off air or open carrier for about an hour leaving WMCS WIRL and WHIO (SA-MB)

### Tentative or UnID Logs

- 1290 UNID 08/07 0236 Oldies music but no ID. Heard while CFRW off in jumble with WMCS WIRL and WHIO (SA-MB)
- 1540 UNID 7/1921:48-22:00 OLD, mostly 70's but some 60's, Fair to Good with deep fades, under KXEL. (JEL-MO)
- 1580 KAMIt NE **Cozad** 7/28. 2127, Focus on the Family ending, partial ID: "...KCVS, a service of Bott Radio Network.". Did not hear any AM call letters given, Moderate to heavy FADING, plus considerable INTERFERENCE from the others on 1580 KHZ. (Was this the station?) Heard on the Sony '2010. New & taped! (MLP-NE).

### Regular DX Logs (Times in ELT)

- 1220 WLPO IL **La Salle** 7/25 2005 "WLPO" heard in the jumble of stations faded up just enough to hear them, then faded back into the jumble. Moderate FADING & moderate INTERFERENCE from the other stations on 1220 khz. (MLP-NE)
- 1290 WMCS WI **Greenfield** 08/07 0238 Fair to good signals with ads for Milwaukee (SA-MB)
- 1290 WIRL IL **Peoria** 08/07 0300 Fair signals with full ID (SA-MB)
- 1290 WHIO OH **Dayton** 08/07 0306 Fair signals with weather report and ID (SA-MB)
- 1370 KIOL KS **Iola** 7/22 2127, Poor. Call letters "KIOL" faded up from the jumble just enough to hear them then faded back into the jumble again. Considerable FADING, and considerable INTERFERENCE from the others on 1370. Heard on the Sony '2010. Taped and NEW! (MLP-NE)
- 1370 KWRT MO **Boonville** 7/28 1837 C&W music, ID: "You're listening to KWRT, 1370AM." Moderate FADING, just ahead of the growing amount of INTERFERENCE from the other stations on 1370khz. Heard on the Sony '2010. NEW & Taped! (MLP-NEBR).
- 1470 KWSL IA **Sioux City** 7/12 1938. Recorded vocal music. quick ID:"...Super Hits 1470 KWSL", faded into the jumble shortly after. moderate to heavy fading, slight to moderate interference from the other stations on 1470 khz.(MLP-NE)
- 1510 KCTE MO **Independence** 7/28 2058 Three commercials, Sporting News @ Flash, 5 more commercials, quick ID by female, "Hot Talk 1510, KCTE", then another ID: "You're listening to Hot Talk 1510,KCTE Independence, Kansas City." Slight FADING, No INTERFERENCE from the others on 1510KHZ. Heard on the Sony'2010. New & Taped! (MLP-NE)
- 1570 KBCV MO **Hollister**. 7/22 1915. Insight for Living program ending, ID: " KBCV, 1570, Hollister, Branson, and the Ozarks. a service of Bott Radio Network.", World Vision program follows. Moderate FADING, and slight INTERFERENCE from the others on 1570khz. Heard on the Sony '2010. Taped and NEW! (MLP-NE)
- 1670 WTDY WI **Madison** 7/12 1058 Dennis Miller show, ID: " WTDY, Madison. From the Madison 1670 WTDY news center, this is an ABC news update." ABC news follows. Moderate fading, slight interference from the others on 1670khz. (MLP-NE)

## DDXD-East REPORTERS

- MC-NJ Mike Clancy, Jersey City – DX-396  
 SC-IN Steve Chappell, McCordsville - Chrysler car radio, K9AY  
 DJ-PA David Jansky, Sunbury – CCRadio, Radio Shack loop



**KK-VA** **Kraig Krist, Manassas** - NRD-545, homemade 134 foot multiband antenna running NW to SE.

**DP-HI** **Dale Park, Honolulu** – station news

#### STATION NEWS

- 570 WTNT MD Bethesda** – Per Radio-Info.com, station added Talk Radio Network’s Jerry Doyle at 1507-1800, moving Talk Radio Network’s Mancow 2200-0100. **(DP-HI)**
- 640 WGST GA Atlanta** - Per Radio-Info.com, station added Dial Global’s Michael Smerconish 7/27, replacing local show, making the stn sked 100 percent syndicated. **(DP-HI)**
- 730 WUMP AL Madison** - Per Radio-Info.com, drops Premiere’s Jim Rome in favour of local show 1300-1600. WUMP is also being relayed over translator W280BA-FM 103.9. **(DP-HI)**
- 770 WABC NY New York** - Per Radio-Info.com, dropped Talk Radio Network’s Tammy Bruce in favor of a local show. **(DP-HI)**
- 780 CFDR NS Dartmouth** - Per MetroNews of Canada, signed off for good 7/27 0900 before eventually moving to FM. This is the third Halifax-area MWer to go silent after CHNS-960 and CJCH-920 migrated to FM. **(DP-HI)**
- 960 WEAV NY Plattsburgh** - Per Radio-Info.com, replaced defunct Mike O’Meara show with United Stations’ Lou Dobbs. **(DP-HI)**
- 1050 WEPN NY New York** - Per Radio-Info.com, station is now broadcasting from its new nighttime tower site in North Bergen, NJ. **(DP-HI)**
- 1200 WAGE VA Leesburg** - Per *Loudoun Times* and *Loudoun Independent*, went silent 8/02, unable to act on its CP of 50 kW on 1190 from a new tower site due to the economy. Station owner hopes to return. **(DP-HI)**
- 1310 WDRC CT Hartford** - Per Radio-Info.com, station now airs Steve Malzberg 2100-2300 from sister station WOR-710 over the “Talk of Connecticut” network, which includes WSNG-610, WWCO-1240 and WMMW-1470. **(DP-HI)**
- 1400 WMAN OH Mansfield** - Per Radio-Info.com, added Premiere’s Glenn Beck 7/27, airing 0906-1200. Station also carries Limbaugh, Bohannon, Noory and Bob Brinker. **(DP-HI)**
- 1470 WRGA GA Rome** - Per *Rome News-Tribune*, station is no longer simulcasted on WSRM-FM 93.5, which is now contemporary Christian. **(DP-HI)**
- 1570 WANR OH Warren** - Per Ohio Media Watch blog, flipped from classic hits to sports 7/6 featuring FSR and Jim Rome at 1200-1500. However it can’t carry Dan Patrick since he’s on crosstown WBBW-1240 so a local show is airing at 0900-1200 instead. **(DP-HI)**
- 1580 WHFS MD Morningside** - Per Radio-Info.com, replaced Premiere’s Dr. Laura 8/3 with Westwood One’s Dennis Miller at 1507-1800. Station’s slogan is “The Big Talker 15-80.” **(DP-HI)**
- 1600 WMCR NY Oneida** - Per *Oneida Daily Dispatch*, station planned to separate its broadcast from its FM sister stn on 106.3 in late July with probably a news-and-information-based format. **(DP-HI)**

#### LOGGINGS

- 550 WSVB VA Harrisonburg** - 8/4 0535 – in mix with local news, “WSVA news time five thirty five”. 0543 “Five fifty WSVB” ID. 0600 ABC News. 0605 “WSVA Shenandoah Valley 4 day forecast”. 0610 station promo “...no one is more up to date than you are with WSVB. WSVB news time six ten”. **(KK-VA)**
- 560 WMIK KY Middlesboro** - 8/3 0547 – ad or promo in mix with SS talk station: “...Middleboro insurance at... avenue in Middlesboro or call 248 1280” into song. **(KK-VA)**
- 570 WTNT MD Bethesda** - 8/1 0534 - Mixing with Radio Reloj, “.. virtual physical is located in Rockville. Call...”. 0600 slogan “This is your talk station”, “WTNT” jingle into Fox News Radio. **(KK-VA)**
- 580 WCHS WV Charleston** - 7/30 0530 - mixing with WHP, station promo “... sports... WCHS Charleston... radio corporation...”. **(KK-VA)**
- WHP PA Harrisburg** - 7/30 0528 – mixing with WCHS with Limbaugh promo “.. Rush on WHP five eighty”. 0548 “... on talk radio WHP five eighty”. 0549 local Harrisburg events. 0556 “Five fifty six WHP” ID. **(KK-VA)**



- 600 WCAO MD **Baltimore** - 7/28 0602 - Mixing with SS talk (mentioning Cuba), ID and station promo "WCAO Baltimore... WCAO Baltimore it's the morning experience...". (KK-VA)
- 610 WIP PA **Philadelphia** - 7/27 0558 - in mix with local weather "...WIP weather.. chance of rain or thunderstorms... sports... WIP". 0603 ID as "Philadelphia's sports leader... WIP, WIP HD...". (KK-VA)
- 620 WKHB PA **Irwin** - 7/26 0601 - presumed in mix of talk station mentioning "South Carolina" and SS singing, with discussion of corruption mentioning "Pennsylvania". "Lincoln Radio Journal... Pennsylvania..." noted at 0629. (KK-VA)
- 630 WMAL DC **Washington** - 7/25 0530 - ID after talk about investing in real estate: "News talk six thirty WMAL...the news now", into news read by woman. (KK-VA)
- 640 WFNC NC **Fayetteville** - 7/23 0529 - in WWJZ mix with ad for local builder, then ID "WFNC...WFNC... WFNC studios...". (KK-VA)
- WWJZ NJ **Mount Holly** - 7/23 0545 -mixing with WFNC and UNID SS talk station with typical Radio Disney programming, "... brand new music.. Kelly Clarkson... 'Already Gone'... music... or vote online at Radio Disney dot com.". And, "...'Musical Mailbag' where you can... Radio Disney..." into song. 0559 "... Radio Disney the hits coming your way" into ToH ID by teenage girl "... WWJZ, WWJZ HD Mount Holly..." (KK-VA)
- 670 WIEZ PA **Lewistown** - 7/15 0600 - in WSCR mix with "WIEZ Lewiston Huntington... talk AM six seventy" ID into ABC News. (KK-VA)
- WSCR IL **Chicago** - 7/15 0525 - Mixing with WIEZ, ID as "This is sports radio six seventy Chicago's sports nation" into ad for career in sports broadcasting. (KK-VA)
- 680 WCBM MD **Baltimore** - 7/14 0534 - in WPTF mix with station promo: "News, sports, traffic and weather... hot issues of the day. Don't miss Maryland's... talk...". 0559 "I'm Frank Luber the WCBM Maryland news". 0600 ToH ID "The most powerful names in talk radio WCBM six eighty Baltimore" into ABC News. (KK-VA)
- WPTF NC **Raleigh** - 7/14 0536 - mixing with WCBM, ID as "News talk six eighty WPTF five thirty six". (KK-VA)
- 730 WXTR VA **Alexandria** - 7/9 0553 - in mix with very strong signal, SS talk mentioning "Washington" and "ESPN Radio". (KK-VA)
- 930 WLLL VA **Lynchburg** - 7/13 2320 - Very poor, Black Gospel music and noted with distorted audio. ID as "AM 930 WLLL." New! (SC-IN)
- WDLX NC **Washington** - 7/13 0128 - Fair with "Pirate Radio 1250.com" station promo. WGHB-1250 is //WDLX. (SC-IN) "Pirate Radio" slogan apparently is a promo for the East Carolina University Pirates. Mike
- 960 WHYL PA **Carlisle** - 6/30 2039 - fair-good with song "Are You Lonesome Tonight" followed by "960 WHYL" jingle into "Candy Man". (MC-NJ)
- 1260 WNSS NY **Syracuse** - 7/27 0100 - Fair-poor with promo for "Fox Sports 3 to 6 on WNSS Syracuse." (SC-IN)
- 1370 WWCB PA **Corry** - 8/1 0127 - ID, "The Greatest Hits of All Time WWCB" with poor signal. New! (SC-IN)
- 1440 WCDL PA **Carbondale** - 7/13 0755 - over usually dominant WNPV with nostalgia tunes, "WNAK, WCDL" ID right after Perry Como's "Till The End of Time". (DJ-PA)
- +++ - 7/30 2034 - fair-poor with fading, played Gord Lightfoot's "If You Could Read My Mind" followed by a Big Band ballad. ID as "...the greatest music of all time on 730 WNAK and 1440 WCDL". (MC-NJ)
- 1470 WMMW CT **Meriden** - 7/5 2259 - ToH ID as "This is the talk of Connecticut, 1470 WMMW, Meriden". Signal good/fair, then faded. (MC-NJ)
- WJDY MD **Salisbury** - 7/6 2217 - fair with Bank of America ad and ID as "Delmarva's home for the Orioles, 1470 WJDY", then back to Orioles v. Mariners game, Seattle leading 1-0 in bottom of first. (MC-NJ)
- WRWB WV **Huntington** - 7/6 2235 - fair-good with fading, ID as "tell your friends and family there is a new voice of patriotism, 1470 WRWB broadcasting from Huntington, West Virginia, the new red, white and blue", into "Stars and Stripes forever", apparently flipped to an all-patriotic format. (MC-NJ)
- 1520 WTRI MD **Brunswick** - 7/23 0854 - C&W, ID faded in and out, no WKBW. (DJ-PA)



# *International DX Digest*

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**Foreign DX Catches. All times are UTC**

Breaking news all over the Internet involves two Pan-American DX targets: Mexico and Venezuela. It looks like Mexico will be following the trend in Canada to move from AM to FM. Meanwhile in Venezuela, President Chávez wants to move closer to Cuban-style socialism by revoking commercial broadcast licenses and nationalizing the airwaves, this after the well publicized fiasco with Radio Caracas Televisión last year. Will frequencies be cleared in time for deep Latin American auroral DX by the predicted 2011-12 peak in solar activity? But wait, there's more! This just in: Future plans for the KBC network in Kenya don't include mediumwave due to the high cost of transmitter operation, thus one more country could soon become extinct on the AM dial. As always, stay tuned!

## Transatlantic DX

- 162 **FRANCE** *France-Inter*, Allouis (47°10'N 02°12'E) JUL 18 0305 - Playing one of the latest Vanessa Paradis tracks, then interview with her. Good signal but static scratches made readability so-so. JUL 20 0313 - End of a reggae-rock French song, then into talk regarding a Britton summer festivity and a contest offering a radio to the listener who knew something about this festivity. Fair. [Chiochiu-QC]
- 171 **MOROCCO** *R.Mediterranee Internationale*, Nador (35°03'N 2°55'W) JUL 18 0255 - Woman host of an Arabic music program containing mostly plaintive Egyptian religious vocals. Very good at times. Best on 169 kHz in AM wide mode with the PK LW loop perpendicular to the north-east south-west. Nador has a NNW directional pattern meaning some of its signal manages to scatter toward the northeast of my location. I took my battery powered Sangean ACS 818-CST and PK LW Loop to the other side of the road and this station was interference-free! [Chiochiu-QC] AUG 4 0016 - Parallel 9575 Mid East music then woman in Arabic; good. [Black-MA]
- 183 **GERMANY** *Europe 1*, Felsberg (49°17'N 6°41'E) JUL 18 0210 - Carrying French Top 50 memories. Noted at a fair, but very clear level, s3 out of s7 on the Sangean meter! JUL 22 0245 - Carrying the same Top 50 memories program for the 25th birthday of the French countdown "Top Cinquante." They seem to have dropped their heavy and almost exclusive news/talk format. [Chiochiu-QC]
- 189 **ICELAND** *Ríkisútvarpid*, Gufuskálar (64°54'N 23°55'W) JUL 18 0240 - Tentative with very weak audio; the first sign of a darkness path of any kind between Montreal and Gufuskalar! During the month of June, the only transatlantic darkness path allowing Icelandic DX is between Newfoundland and Gufuskalar, because of the proximity! [Chiochiu-QC]
- 198 **ENGLAND** *BBC Radio 4*, Droitwich et al. JUL 20 0250 - Relaying BBC World Service with a World Beat program. Heard some nice acoustic flavoured Afropops. Fair in AM narrow mode to avoid interference from low-powered local beacon on 201 kHz. Best ever reception this summer yet! [Chiochiu-QC] AUG 4 0017 - Man with news; good. [Black-MA]
- 198 unID JUL 17 0315 - Talk; very threshold and very noisy, both man-made and a huge amount of static scratches from a nearby thunderstorm. Could be unlogged Algeria! [Chiochiu-QC]
- 207 **GERMANY** *Deutschlandfunk*, Aholming (48°43'N 12°56'E) JUL 20 0145 - Presumed with classical music noted at a fair level. Got briefly disturbed by a strong buzz, then faded out for good. The best I've ever heard on 207 kHz yet. I was on the verge of logging this one! [Chiochiu-QC]
- 216 **FRANCE** *RMC Roumoules* (43°47'N 6°09'E) JUL 20 0310 - Noted in passing at dawn enhancement. [Chiochiu-QC]
- 225 **POLAND** *Polskie Radio 1*, Solec Kujawski (52°22'N 19°48'E) AUG 4 0019 - Woman in Polish; fair. [Black-MA]
- 234 **LUXEMBOURG** *R.Luxembourg*, Junglinster (49°40'N 6°19'E) JUL 20 0307 - Philippe Lafontaine's French Belgian "Coeur de Loup" (Wolf's Heart) classic, man with ID, time-check, and input about the music played, then introduced the Samuel and Garfunkel "Smokey Robinson" classic. The clearest I got them was on 233 kHz in AM narrow rather than on 234 kHz in AM wide mode to avoid splatter from adjacent channel non-directional beacons. 2nd best ever reception of the most difficult French LW outlet to get at my location! Audio clip will be uploaded at 21centimeters.com. [Chiochiu-QC] AUG 4 0020 - Pop music; very good. [Black-MA]

- 585 **SPAIN** *RNE1* Madrid (40°28'N 3°52'W) JUL 16 0039 - Parallel 621 with romantic female vocal; poor. [Connelly-MA]
- 603 **SPAIN** *RNE5* synthros JUL 16 0100 - Parallel 774 with music, 5 short pips, 1 long pip, fanfare music, *R.Nacional de España* ID and news; to fair peak. [Connelly-MA]
- 621 **CANARY ISLANDS // SPAIN** *RNE1* synthros, Santa Cruz de Tenerife et al. JUL 16 0044 - Parallel 1152 with man and woman in Spanish; to good peak. [Connelly-MA]
- 639 **SPAIN** *RNE1* La Coruña et al. JUL 16 0039 - Parallel 621 with romantic female vocal; poor to fair. [Connelly-MA]
- 648 **SPAIN** *RNE1* Badajoz (38°53'N 6°58'W) JUL 16 0044 - Parallel 621 with woman in Spanish; to fair peak. [Connelly-MA]
- 657 **SPAIN** *RNE5* Madrid (40°28'N 3°52'W) JUL 16 0039 - Parallel 621 with romantic female vocal; to fair peak. [Connelly-MA]
- 666 **PORTUGAL** *RDP1* synthros JUL 16 0038 - Parallel 720 with Moorish or Middle Eastern influenced folk vocal; poor. [Connelly-MA]
- 684 **SPAIN** *RNE1* Sevilla (37°12'N 5°55'W) JUL 16 0039 - Parallel 621 with romantic female vocal; poor to fair in WRKO slop. [Connelly-MA]
- 720 **PORTUGAL** *RDP* synthros JUL 16 0038 - Parallel 666 with Moorish influenced female folk vocal; to fair peak. [Connelly-MA]
- 738 **SPAIN** *RNE1* Barcelona (41°23'N 2°12'E) JUL 16 0039 - Parallel 621 with romantic female vocal; poor in CHCM slop. [Connelly-MA]
- 747 **CANARY ISLANDS // SPAIN** *RNE5* synthros JUL 16 0039 - Parallel 621 with romantic female vocal; to fair peak. [Connelly-MA]
- 756 **GERMANY** *Deutschlandfunk*, Braunschweig & Ravensburg JUL 16 0100 - German news by man; poor. [Connelly-MA]
- 765 **SWITZERLAND** *RSR Option Musique*, Sottens (46°39'N 6°44'E) JUL 16 0039 - French vocal; poor. 0100 *Option Musique* jingle, man and woman in French; to fair peak. [Connelly-MA]
- 774 **SPAIN** *RNE1* synthros JUL 16 0039 - Parallel 621 with romantic female vocal; good. [Connelly-MA] JUL 31 0032 - Good; telephone talk in Spanish. [Conti-MA]
- 783 **MAURITANIA** *R.Mauritanie*, Nouakchott (18°07'N 15°57'W) JUL 31 0030 - Good; African vocals. [Conti-MA] AUG 4 0041 - Chanting; poor. [Black-MA]
- 792 **FRANCE** *France Info*, Limoges (45°56'N 1°10'E) JUL 16 0101 - Parallel 945 and 1206 with French news by woman; through WPRV slop. [Connelly-MA]
- 819 **EGYPT** *ERTU* Batra (31°09'N 31°27'E) JUL 31 0031 - Fair; typical Middle Eastern string music. [Conti-MA]
- 837 **CANARY ISLANDS // SPAIN** *COPE* synthros JUL 16 0040 - Man in Spanish; mixing with France. 0100 parallel 1143 with Cadena Cope ID, news; good, over France. [Connelly-MA]
- 837 **FRANCE** *France Info*, Nancy (48°53'N 6°14'E) JUL 16 0039 - Parallel 945 with melancholy female vocal; fair, mixed with *COPE* Spain. [Connelly-MA] JUL 31 0030 - Good; fanfare with *France Info* ID into news by a woman in French. [Conti-MA]
- 855 **SPAIN** *RNE1* synthros JUL 16 0107 - Parallel 1098 with man and woman in Spanish; in WEEI slop. [Connelly-MA]
- 864 **FRANCE** *France Bleu*, Villebon-sur-Yvette (48°41'N 2°14'E) JUL 16 0101 - French country male vocal; to good peak. 0106 disco. [Connelly-MA]
- 873 **SPAIN** *SER* synthros JUL 16 0038 - Spanish teletalk with man and woman; fair. 0102 parallel 1116 with fast Spanish news, phone interview; good. [Connelly-MA]
- 882 **CANARY ISLANDS // SPAIN** *COPE* synthros JUL 16 0102 - Parallel 837 with news by woman in Spanish mentioning Venezuela; mixed with UK. [Connelly-MA]
- 882 **UNITED KINGDOM** *BBC R.Wales*, Washford (51°10'N 3°21'W) JUL 16 0100 - "A report from the BBC World Service at 1 o'clock GMT," into story about Space Shuttle Endeavour lift-off; fair over *COPE*. [Connelly-MA]
- 909 **UNITED KINGDOM** *BBC Radio 5 Live* synthros JUL 16 0100 - "Five Live News," talk about financial crisis; fair. 0107 talk by US (ABC network) correspondent about stocks going up but California running out of money; good signal, better than adjacent 910 kHz. [Connelly-MA] JUL 31 0028 - Good with synchro echo; telephone news/talk, "...this is Five Live," and news in brief. [Conti-MA]
- 936 **SPAIN** *RNE5* synthros JUL 16 0039 - Parallel 621 with romantic female vocal; poor. 0100 vocal parallel 774 then pips and news; poor. [Connelly-MA]
- 945 **FRANCE** *France Info*, Toulouse (43°21'N 1°20'E) JUL 16 0030 - Bluesy vocal, then woman in French; to fair peak. 0101 French news by woman; good. [Connelly-MA]
- 954 **SPAIN** *Onda Cero*, Madrid JUL 16 0102 - Spanish talk, teletalk; fair. [Connelly-MA]
- 972 **LIBYA** *Libyan Jamahiriya*, Sirte JUL 16 0031 - Bits of Arabic female vocal through WZAN

- slop; good strength carrier but light audio, apparent Germany under. [Connelly-MA]
- 981 **ALGERIA** *RTVA Chaîne 2*, Algiers (36°40'N 3°09'E) JUL 16 0034 - Arabic male vocal and guitar; loud. [Connelly-MA]
- 999 **SAUDI ARABIA** *BSKSA R.Quran*, Tabuk JUL 16 0106 - Arabic chanting by man mixing with Spain, probably the Saudi (based on others' receptions) though possibly Morocco. [Connelly-MA]
- 999 **SPAIN** *COPE Madrid* (40°28'N 3°52'W) JUL 16 0010 - Woman in Spanish; well over Arabic station. 0101 parallel 873 with news by man and woman, "buenas noches" greeting; to fair peak. Weak 1000 het (Brazil) on the high side was less a problem than the IBOC blob on the low side, so USB used. [Connelly-MA]
- 1053 **SPAIN** *COPE* synchros JUL 16 0100 - Spanish news by woman; over *TalkSport* UK. [Connelly-MA]
- 1053 **UNITED KINGDOM** *TalkSport* synchros JUL 16 0106 - "08717 double 2 double 3 double 4" phone number; mixing with Spain. 0116 talk about the IRA and Al Qaeda; fair. [Connelly-MA]
- 1080 **SPAIN** *SER* synchros JUL 16 0058 - Parallel 1116 with Sinatra or similar vocal; under WTIC. [Connelly-MA]
- 1089 **UNITED KINGDOM** *TalkSport* synchros JUL 16 0102 - Talk about disciplinary actions against players; fair over 1088 Angola het and WBAL slop. [Connelly-MA]
- 1098 **SPAIN** *RNE5* synchros JUL 16 0031 - Parallel 1152 with country-influenced vocal; fair. [Connelly-MA]
- 1107 **SPAIN** *RNE5* synchros JUL 16 0034 - Man and woman in Spanish; best on LSB to dodge 1107.12 growl. [Connelly-MA]
- 1116 **SPAIN** *SER* synchros JUL 16 0100 - Parallel 1179 with piano music, pips, woman with ID "Cadena Ser, Servicios Informativos," then news; good, over slight WTAM IBOC. [Connelly-MA] JUL 31 0100 - Fair, over unID music; "Cadena Ser, servicios informativos." [Conti-MA]
- 1134 **CROATIA** *Glas Hrvatske*, Zadar (44°06'N 15°15'E) JUL 16 0002 - Croatian news; increasing strength (pre-sunset reception). 0034 Croatian talk by man and woman; loud. 0057 sad-sounding Slavic male vocal; in dogfight with Spain. [Connelly-MA] JUL 31 0010 - Noted at almost local-like strength over Spain. [Conti-MA] AUG 8 0040 - Good; talk and music parallel 3985 kHz, signature long time pips on the hour. [Conti-NH]
- 1134 **SPAIN** *COPE* synchros JUL 16 0100 - Cadena Cope ID, news by woman in Spanish; dominant. [Connelly-MA]
- 1143 **SPAIN** *COPE* synchros JUL 16 0031 - Fast Spanish talk by man and woman; to fair peak. 0100 parallel 1134 with time pips, musical fanfare, Cadena Cope ID; fair, echoey. [Connelly-MA]
- 1152 **SPAIN** *RNE5* synchros JUL 16 0031 - Parallel 1098 with country-influenced vocal; to fair peak. [Connelly-MA]
- 1170 **UNITED ARAB EMIRATES** *R.Sawa*, Al Dhabiya (24°11'N 54°14'E) JUL 31 0059 - Over/under WWVA and an unID; emotive contemporary Middle Eastern vocal. [Conti-MA]
- 1179 **CANARY ISLANDS** // **SPAIN** *SER* synchros JUL 16 0100 - Parallel 1116 with piano music, pips, Cadena Ser ID; through Cuba and WHAM slop. [Connelly-MA] JUL 31 0100 - Good with synchro echo, over an unID; "Cadena Ser, servicios informativos" parallel 1116 kHz. [Conti-MA]
- 1188 **IRAN** *R.Payam*, Tehran JUL 31 0100 - Koranic vocal, then signature three ascending chimes into news. Audio clip at [www.naswa.net/badx/dxclams2009.htm](http://www.naswa.net/badx/dxclams2009.htm). Thanks to Chuck Hutton, Sylvain Naud, and Mauno Ritola at RealDX for help with ID. [Conti-MA]
- 1206 **FRANCE** *France Info*, Bordeaux (44°57'N 0°11'W) JUL 16 0030 - Parallel 945 with jazzy/bluesy vocal; best on USB to dodge WKOX slop. 0100 dreamy instrumental, then top-of-hour fanfare music followed by news (woman in French); good. [Connelly-MA] JUL 31 0012 - Good; orchestra instrumental, then a woman in French. [Conti-MA]
- 1215 **SPAIN** *COPE* synchros JUL 16 0029 - Parallel 1143 with woman in Spanish; dominant. 0101 parallel 1134 with rapid-fire Spanish news by woman; over UK. [Connelly-MA]
- 1215 **UNITED KINGDOM** *Absolute Radio* synchros JUL 16 0102 - "Tainted Love" by Soft Cell from '82; coming up over Spain. [Connelly-MA] JUL 31 0014 - Good, over Spain; Blondie "Heart of Glass." [Conti-MA]
- 1224 **SPAIN** *COPE* synchros JUL 16 0101 - Parallel 1215 with news by woman in Spanish; over WPHT IBOC hash. [Connelly-MA]
- 1242 **FRANCE** *France Info*, Marseille (43°16'N 5°18'E) JUL 16 0030 - Parallel 1206 with music, then woman in French; peaking over WBUR slop. [Connelly-MA]

- 1296 **SPAIN** COPE Valencia JUL 16 0034 - Slow Spanish talk by man parallel 1143; poor. 0058 vocal parallel 1143; poor to fair. [Connelly-MA]
- 1305 **SPAIN** RNE5 sychros JUL 16 0035 - Parallel 1152 with talk, female vocal; to fair peak. 0058 parallel 1107 with new-age type instrumental; to good peak. [Connelly-MA] JUL 31 0200 - Good, synchro echo; "Radio Nacional de España, Informativos," parallel 1314 kHz. [Conti-MA]
- 1314 **SPAIN** RNE5 sychros JUL 16 0058 - Parallel 1107 and 1305 with new-age instrumental music; to fair peak. [Connelly-MA]
- 1341 **NORTHERN IRELAND** BBC Radio Ulster, Lisnagarvey (54°30'N 6°04'W) JUL 31 0200 - Good; "This is Five Live," into news. [Conti-MA]
- 1359 **SPAIN** RNE Arganda del Rey (40°18'N 3°25'W) JUL 16 0106 - Spanish talk; poor. [Connelly-MA]
- 1377 **FRANCE** France Info, Lille (50°31'N 2°59'E) JUL 31 0200 - Good; fanfare into "Le Journal" news. [Conti-MA]
- 1404 **FRANCE** France Info sychros JUL 31 0158 - Good; orchestra instrumental, then fanfare into news, parallel 1377 kHz. [Conti-MA]
- 1413 **SPAIN** RNE5 sychros JUL 16 0106 - Parallel 774 with segment of instrumental music, man and woman in Spanish; to fair peak, some WVAE IBOC (less at Rowley than at Granite Pier however). [Connelly-MA]
- 1422 **ALGERIA** R.Algérienne, Algiers (36°40'N 3°09'E) JUL 16 0019 - Man in French; to fair peak. 0106 pop Arabic-Afropop vocal; initially over Germany. [Connelly-MA]
- 1422 **GERMANY** Deutschlandfunk, Heusweiler (49°21'N 6°55'E) JUL 16 0108 - Relaxing piano music; to good peak, coming up over Algeria. [Connelly-MA] JUL 31 0145 - Good; classical instrumental. [Conti-MA]
- 1431 **DJIBOUTI** R.Sawa, Arta (11°31'N 42°50'E) JUL 16 0032 - Arabic vocal with strings and percussion; peaking over WXKS slop. [Connelly-MA]
- 1521 **SAUDI ARABIA** BSKSA Duba (27°20'N 35°45'E) JUL 16 0022 - Newstalk/ discussion with man in Arabic; huge signal when most other TA's were wimpy. 0107 Koranic male chant; monster-loud. [Connelly-MA]
- 1557 **FRANCE** France Info, Fontbonne (43°46'N 7°25'E) JUL 16 0029 - Parallel 1206 with female blues-rock vocal; in WQEW slop. [Connelly-MA] JUL 31 0130 - Excellent; fanfare, woman with news in French. [Conti-MA]
- 1575 **UNITED ARAB EMIRATES** R.Farda, Al Dhabiya (24°11'N 54°14'E) JUL 16 0107 - Slow Mideast male vocal; to fair peak. [Connelly-MA]
- 1575 unID JUL 16 0030 - Audio seemed more likely to be Spain than UAE; trashed by WQEW IBOC. [Connelly-MA]
- 1584 **CEUTA** RadiOlé, Ceuta (35°53'N 5°17'W) JUL 16 0026 - Spanish group pop male vocal with guitar and keyboard; fair over SER. [Connelly-MA]

#### Pan-American DX

- 540 **GRENADA** GBC St. George's (12°04'N 61°45'W) JUL 18 0830 - Fair; BBC promos, parallel 555 St. Kitts. [Conti-NH]
- 555 **ST. KITTS & NEVIS** ZIZ Basseterre (17°19'N 62°44'W) JUL 16 0038 - Religious talk by man, then gospel music; through WGAN slop. 0114 soca vocal; fair. [Connelly-MA] AUG 4 0022 - Country sounding music and man in accented English parallel weaker 895 kHz; good. [Black-MA]
- 570 **CUBA** CMDC R.Reloj, Santa Clara (22°24'N 79°56'W) AUG 4 0024 - Lively Latin music, RR code ID; good over WMCA. [Black-MA]
- 590 **CUBA** R.Rebelde, unknown location JUL 18 0830 - Under WEZE; nostalgia parallel 560, 600, 610, 670, and 710 kHz. [Conti-NH]
- 630 **PUERTO RICO** WUNO San Juan (18°26'N 66°07'W) AUG 4 0030 - Man with news and ID; fair over WPRO. [Black-MA]
- 640 **GUADELOUPE** R.Guadeloupe, Pointe-à-Pitre (16°15'N 61°32'W) JUL 16 0059 - French talk, then female vocal; under CBN. [Connelly-MA]
- 640 **VENEZUELA** VYQO Unión Radio, Puerto la Cruz (10°05'N 64°47'W) JUL 16 0039 - Spanish talk mentioning "en Puerto La Cruz"; noted during CBN fade. [Connelly-MA]
- 670 **CUBA** CMQ R.Rebelde, Arroyo Arenas (23°00'N 82°30'W) JUL 16 0114 - Parallel 710 with a few seconds of music, then man in Spanish; slightly over jumble. [Connelly-MA] AUG 4 0033 - Man in interview parallel 5025; good. [Black-MA]
- 700 **BRAZIL** ZYK686 R.Eldorado, São Paulo (23°32'S 46°37'W) JUL 16 0039 - Usual reverberated Portuguese; poor. [Connelly-MA]

- 710 **CUBA** *R.Rebelde*, multiple sites JUL 16 0114 - Parallel 670 with music, then Spanish talk; under WOR. [Connelly-MA] AUG 4 0034 - Man in interview parallel 5025; fair under WOR. [Black-MA]
- 720 **VENEZUELA** YVQE *Oriente 720*, Porlamar (10°56'N 64°12'W) JUL 18 0100 - Fair; "En Venezuela Oriente..." time check. [Conti-NH]
- 750 **VENEZUELA** YVKS RCR Caracas DC (10°29'N 67°00'W) JUL 16 0101 - Mentions of businesses and phone numbers in Caracas; over CBGY. [Connelly-MA] JUL 17 0320 - Talk about FM listening issues. Very poor and difficult to follow with interference from both WSB Atlanta and a nearby thunderstorm. JUL 20 0335 - Woman in Spanish talking about Caracas. Good and mixing with WSB. [Chiochiu-QC] AUG 4 0036 - Man in teletalk, ad string, RCR ID; good. [Black-MA] AUG 8 0035 - Excellent; Espacio Deportivo program with "Take Me Out to the Ballgame" organ bumper music. [Conti-NH]
- 760 **BRAZIL** ZYH588 *R.Uirapuru*, Fortaleza (3°45'S 38°31'W) JUL 16 0039 - Portuguese talk by woman; slightly under WCHP. 0116 man in Portuguese; mixed with WJR. [Connelly-MA]
- 760 **COLOMBIA** HJAJ RCN Barranquilla (10°53'N 74°49'W) JUL 16 0101 - Radio Suceso RCN ID; over others. [Connelly-MA] JUL 18 0720 - CNN audio feed in Spanish. Talk about the Latin American countries with the fewer cases of swine flu. Bolivia was among them. Good in a difficult WJR null. JUL 22 0245 - A man doing a speech via the phone regarding war issues. Good to quite poor in a more or less solid WJR null. Threshold on the Sanyo MCD-S830 barefoot, so the PK loop undoubtedly helped! [Chiochiu-QC]
- 770 **COLOMBIA** HJJX RCN Bogotá (4°37'N 74°11'W) JUL 16 0101 - Parallel 760 with Radio Suceso RCN ID; mixed with WABC and second Spanish speaker. [Connelly-MA]
- 780 **VENEZUELA** YVMN *R.Coro*, Coro FA (11°23'N 69°40'W) JUL 18 0625 - "Ruta Musical 780" with some great cumbias that were taped; out of splatter from both 790 CIGM and 770 WABC that were local-like, not much annoyance from local 800 CJAD though. [Chiochiu-QC]
- 819.522 unID JUL 16 0039 - Weak het against 820 St. Kitts and 819 (presumed) Egypt. [Connelly-MA]
- 820 **ST. KITTS & NEVIS** TBN/*R.Paradise*, Charlestown (17°08'N 62°37'W) JUL 16 0039 - Preaching; fair. [Connelly-MA]
- 860 **BRAZIL** ZYJ459 CBN, Rio de Janeiro AUG 4 0045 - Man in Portuguese. Recorded. Good. [Black-MA]
- 870 **CUBA** CMDT *R.Reloj*, Sancti Spíritus (21°56'N 79°26'W) JUL 16 0100 - Reloj program with on-the-minute "RR" beeps, on-the-second clock ticks; mixed with CFSX and WLVP. [Connelly-MA]
- 890.11 unID JUL 16 0057 - Low growl against WAMG. [Connelly-MA]
- 899.52 **BRAZIL** ZYJ454 *R.Tamoio*, Rio de Janeiro JUL 31 0030 - Het against 900 kHz. Poor tropical DX conditions overall. [Conti-MA]
- 910 **VENEZUELA** YVRQ Caracas (10°32'N 66°55'W) JUL 16 0040 - Spanish talk with "AM Center" slogan; dominant. [Connelly-MA]
- 1000 **BRAZIL** ZYK522 *R.Record*, São Paulo (23°33'S 46°38'W) JUL 16 0100 - Portuguese shouting; poor. [Connelly-MA]
- 1000.118 unID JUL 16 0114 - Low growl against 1000 Brazil. [Connelly-MA]
- 1100 **BRAZIL** ZYK694 *R.Globo*, São Paulo (23°32'S 46°37'W) AUG 4 0054 - Man in Portuguese. Recorded. Fair. [Black-MA]
- 1110 **VENEZUELA** YVQT *R.Carúpano*, Carúpano (10°40'N 63°18'W) JUL 16 0101 - "En Venezuela, Carúpano"; through WBT. [Connelly-MA]
- 1160 **BERMUDA** VSB3 Hamilton (32°18'N 64°46'W) JUL 16 0000 - Five short pips then longer one, BBC news by woman; in jumble with WSKW & others. 0034 BBC documentary, "Also Sprach Zarathustra" (2001 Space Odyssey theme) inserted between items; occasionally over WSKW. 0106 BBC talk about the 40th anniversary of the moon landing; mixed with WSKW. [Connelly-MA]
- 1180 **CUBA** *R.Rebelde*, Villa María (23°07'N 82°22'W) and others JUL 16 0058 - Woman in Spanish talking about Cuban subjects, weird electronic sounders inserted between items; mixed with WHAM. [Connelly-MA]
- 1190.338 **COLOMBIA** HJCT *L.V. de la Costa*, Barranquilla JUL 16 0114 - Bits of xylophone music, Spanish talk; poor. [Connelly-MA]
- 1210.22 unID JUL 16 0058 - Weak low growl against VOAR and WPHT. [Connelly-MA]
- 1220 **BRAZIL** ZYJ458 *R.Globo*, Rio de Janeiro (22°55'S 43°13'W) JUL 16 0102 - Raygun noises and excited Portuguese talk; mixed with WHKW and others. 0107 Globo sports promo with web address and "goooooal!" shout; mixed with domestics. [Connelly-MA] JUL 31 0037 - Good to excellent during brief opening; sports commentary in Portuguese with usual reverb and

whistles. [Conti-MA] AUG 4 0101 - Woman in Portuguese. Recorded. Fair. [Black-MA]

### Contributors

Chris Black N1CP, South Yarmouth MA; Icom 756 PRO II, 35 x 90-ft Flag, 200-ft super-sloper, 300-ft longwire, BWD-90 folded dipole.

Bogdan Chiochiu, Pierrefonds (Montreal's West Island) QC; Sanyo MCD-S830 and PK AM Loop for MW, and Sangean ACS 818-CST with PK Shielded Magnetic C-LOOP HDSM 150-450 kHz for LW.

Mark Connelly WA1ION, Rowley MA; Microtelecom Perseus operated with MSI Wind U100 netbook, cardioid-pattern Micro-SuperLoop on car roof, square, 2 m per side, with 9:1 xfmr on east bottom corner to speaker wire to 2:1 xfmr to W7IUV transfer amp, and 9:1 xfmr on west corner to speaker wire to 500 ohm null-adjust potentiometer.

Bruce Conti, Rockport MA; SDR IQ, variable termination east Delta 10-m base x 7-m tall.

Bruce Conti, Nashua NH; SDR IQ, variable termination SuperLoop antennas 13 x 20-m east and 15 x 23-m south.

### International News

**IRAN:** Something on about 1305.09 kHz putting a high side growl against 1305 Spain. Audio sounds like Arabic or other Mideast type music. Logged JUL 31 at 0052 from Granite Pier DXpedition site - Rockport MA. [Mark Connelly, *mwoffsets*] I have Iran now at 1920 on 1305.085 kHz. [Mauno Ritola, *mwoffsets*]

**SPAIN:** Biribilondo is the new transmitter site for RNE and EITB in San Sebastián, province of Guipúzcoa, Basque Country, Spain. It consists in 4x50 kW transmitters tetraplexed into the same antenna. It works on 558 *RNE-R5TN*, 774 *RNE*, 963 *R.Euskadi* (Spanish) and 1476 *Euskadi Irratia* (Basque). Note the interchanged frequencies of *R.Euskadi* between San Sebastián and Vitoria, probably to meet the needs of the tetraplexer installed in San Sebastián. This is the actual situation of the EITB stations - *Euskadi Irratia*: 1197 EAJ162 Vitoria (Estíbaliz), 1386 EAJ362 Bilbao (Ganguren-Artxanda), and 1476 EAJ562 San Sebastián (Biribilondo-Zubieta). *R.Euskadi*: 756 EAJ462 Bilbao (Ganguren-Artxanda), 819 EAJ262 Vitoria (Estíbaliz), and 963 EAJ662 San Sebastián (Biribilondo-Zubieta). Info and photo of the equipment in the site of the supplier, VIMESA: [www.vimesa.es/web/noticias/2009/03/Tetraplexor\\_OM\\_RNE/Noticia.shtm](http://www.vimesa.es/web/noticias/2009/03/Tetraplexor_OM_RNE/Noticia.shtm). Saludos! [Mauricio Molano, *mwdx*]

## Grayland DXpedition Report

July 12-14, 2009

John Bryant: Winradio 313e, E100 Slider + Wellbrook Phased Array

I finally made my long-delayed first trip to the renowned Grayland DX site for the mornings of July 12, 13 and 14. Mid-July is about the mid-point of our traditional Summertime Down-Under Season and I hoped to do some ferrite bar antenna testing, try out the new DSP ULR and add to my Trans-Pacific Stations Heard count in Ultralighting. I did not hope for much premium DU DX because the NW DXers had been reporting what appeared to me to be a below average DU Season from their home QTHs. As far as I know, no one had yet tested the waters directly at the Pacific shore, though, so I was hopeful. In the actuality, I was happily surprised with the number of DXable DU and TP signals present on all three mornings, though I had the distinct impression that the signal levels were rather weaker than usual. I would have been unable to ID more than half of the signals (many at just above mumble level) were it not for having gained considerable experience with parallels and specific program content over the years. Station identifications heard were rare; signals were just too weak even on the Winradio 313e and present for too short a time to catch many pure IDs. That being said, the DX was much more numerous and interesting than I anticipated.

With local dawn about 1225 UTC (5:25 a.m.), I was at the dials on Sunday morning at 1015 (3:15 a.m.). Below 900 kHz, the band was *full* of DU/TP carriers and between 900 and 1400 kHz, 50% of the channels contained a decent carrier. There were maybe 10 threshold audios present and the strongest signal that I've ever heard from 738 Radio Tahiti. Things did not really start showing in audio until about 1120 and then for the next 75 minutes, I had the best New Zealand opening that I've had in years. Well over a dozen Kiwi's were present in moderate level audio. Most of the usual suspects were logged, but there were also a number of second and third tier stations present. The propagation was definitely very southerly. I bagged three completely new Kiwi stations and six that were new Ultralight loggings. In the early part of dawn enhancement, I found one Japanese signal (1134) and a couple of Aussies. Late post-dawn, about 1245, the propagation changed, there was a 15 minute burst of fairly strong Aussie audio and I garnered 6 of the biggest Guns before the band closed completely. Sunday morning was *excellent*, though the levels did seem to be below average.

Monday morning was very different from the previous morning. It was mostly Aussie all morning,

after a surprise early showing of all of the biggest Japanese Guns. As predicted by Nick Hall-Patch, Japan opened early in dawn enhancement, going away soon after 1200 (dawn at the transmitters, I believe) leaving a band full of Big Gun and a few second tier Aussies, along with the odd major Kiwi. I added one new all-time Aussie and four more new Ultralight loggings. It was a good but not great morning, with the Big JJs being a pleasant surprise. Again, for the most part, the levels seemed down, though the post-dawn Aussies came up rather well.

Tuesday morning finally brought what I had expected from the modest home-location DX reports: a modest DU morning with a very few Kiwi's and mostly Big Gun Aussies. Nevertheless, I was able to log three new Ultralight Aussie loggings and two Kiwi's. One of the high points of the DXpedition was logging my sole brand new Aussie, 927 Sports, 2UZ from Melbourne.

Although I complained about the weak signals, this DXpedition brought me five totally new stations, four in New Zealand and the Aussie. After somewhere around 60 DXpeditions to Grayland over 20 years, it has been a while since I've added so many stations. I also added fifteen new Ultralight-logged stations, bringing my TA station count to 151. Since I've only heard about TP 250 stations in 20 years of DXing, I suspect that I'll have a very difficult time getting my Ultralight count up to 200. It won't be for lack of trying, I assure you.

Gary DeBock was able to join me at the Grayland motel Saturday evening and Sunday AM and will be reporting his loggings and antenna testing results separately. (Man, you should see those big passive PVC loops!) Both of us will be reporting our somewhat disappointing test results with the Tecsun PL-300WT/Grundig G8 separately in the near future. It was great to get to know Gary face-to-face better and we both really enjoyed having Guy Atkins drive down from Puyallup to join us for Sunday lunch. All in all, it was an excellent DXpedition.

### Loggings

- 576 **AUSTRALIA** 2RN Sydney JUL 13 1245 - *R.National* program noted in passing at moderate level. New on Ultralight.
- 594 **AUSTRALIA** 3WV Horsham JUL 14 1121 - Noted in passing at fair level with Aussie talk by male. New on Ultralight.
- 594 **JAPAN** JOAK *NHK1*, Tokyo JUL 13 1132 - Japanese talk at moderate level.
- 612 **AUSTRALIA** 4QR Brisbane JUL 12 1254 - Noted in passing with Aussie talk in post-dawn. Heard all three mornings.
- 621 **AUSTRALIA** 3RN Melbourne JUL 14 1222 - Good level briefly running parallel 792, of course. Also heard on the Ultralight.
- 648 **NEW ZEALAND** *NZ's Rhema*, Gisborne JUL 12 1140 - Typical Rhema EZL music program at poor to fair level.
- 657 **NEW ZEALAND** *Southern Star*, Wellington JUL 12 1142 - Typical Southern Star cont. Christian and EZL music at poor to fair level. Heard all three mornings.
- 675 **AUSTRALIA** 2CO Corowa JUL 13 1248 - Movie reviews at moderate level. New on Ultralight.
- 684 **AUSTRALIA** 2KP Sydney JUL 12 1258 - Preparing for ABC News, fading long after dawn. Heard all three mornings.
- 693 **JAPAN** JOAB *NHK2*, Tokyo JUL 13 1132 - Parallel other *NHK2*. Japanese talk at moderate level.
- 702 **AUSTRALIA** 2BL Sydney JUL 12 1305 - Last audio on the band with ABC News fading rapidly. Heard all three mornings.
- 729 **AUSTRALIA** 5RN Adelaide JUL 12 1244 - Typical ABC RN news/commentary in late post-dawn. Fair. Adelaide JUL 14 1235 - Noted in passing at good level in the post-dawn Aussie-peak. Parallel 792.
- 738 **TAHITI** *R.Tahiti*, Papeete JUL 12 1016 - Was the only signal all morning to be at genuinely good levels. Primarily French programming in the pre-dawn enhancement period. Replaced about 1130 or so with the Aussie. Heard all three mornings.
- 738 **AUSTRALIA** 2NR Grafton JUL 12 1245 - Noted in passing with talk and ABC News in progress at 1302. Heard all three mornings.
- 747 **JAPAN** JOIB *NHK2* Sapporo JUL 13 1133 - Parallel other *NHK2*s at moderate level. Japanese talk.
- 747 **AUSTRALIA** 4QS Toowoomba JUL 14 1227 - Noted during the post-dawn 'Aussie Peak.' Somewhat rarely heard and I forgot to attempt to log on my Ultralight set-up. Rats!
- 756 **NEW ZEALAND** 1YA *RNZ National*, Auckland JUL 13 1253 - Noted in passing at moderate level.
- 774 **JAPAN** JOUB *NHK2* Akita JUL 13 1135 - Parallel other *NHK2*s. Best of the bunch at moderate to good peaks.
- 774 **AUSTRALIA** 3LO Melbourne JUL 12 1250 - Was here at mumble level all morning, rose to fair level, post-dawn. Heard all three mornings.
- 783 **NEW ZEALAND** *Access Radio*, Wellington JUL 13 1255 - Noted in pure Spanish (not Tagalog/Spanish) discussing Bolivia at very good level. Sounded weird to hear this on a DU



channel.

- 792 **AUSTRALIA** 4RN Brisbane JUL 13 1120 - Heard all morning at sometime moderate level with typical RN news/talk.
- 828 **AUSTRALIA** 3GI Sale JUL 12 1204 - Heard throughout the DXpedition.
- 828 **JAPAN** JOBB *NHK2* Osaka JUL 13 1136 - Parallel other *NHK2s* at moderate level.
- 846 **AUSTRALIA** 2RN Canberra JUL 14 1142 - This heard at good level parallel 792 4RN, Brisbane. New on Ultralight. This station seems to have a long-standing policy against QSLing. Should I waste another report?
- 855 **AUSTRALIA** 4QB Pialba JUL 13 1257 - Noted fading, parallel 828.
- 891 **AUSTRALIA** 5AN Adelaide JUL 12 1200 - ABC News on the hour with another DU audio beneath. Heard throughout the DXpedition.
- 909 **NEW ZEALAND** *Southern Star*, Napier-Hawkes Bay JUL 14 1245 - Somewhat rare one caught here in the burbles as the band began to fade. Good level on Ultralight and 313e.
- 927 **AUSTRALIA** 3UZ Sports 927, Melbourne JUL 13 1225 - Sportstalk at fair level. Presume this as is only Sportstalk listed. New station on 313e and also on E100+Wellbrook.
- 936 **AUSTRALIA** unID *ABC NewsTalk* JUL 14 1145 - This likely either 7ZR ABC Hobart or 4PB *ABC NewsRadio*, Brisbane. Heard at poor level and did not ID. Definite ABC programming.
- 963 **NEW ZEALAND** *Southern Star*, Christchurch JUL 12 1205 - EZL parallel 657 at fair to poor level.
- 972 **SOUTH KOREA** HLCA Dangin JUL 13 1138 - Male talk in Korean and possible Japanese. Fair to poor level.
- 981 **AUSTRALIA** unID JUL 13 1235 - Running pops show at moderate level. Most likely 3HA Hamilton, VIC, though could have been 2NM Muswellbrook, NSW. Not enough to report, even tentatively.
- 1008 **NEW ZEALAND** *Newstalk ZB*, Tauranga JUL 12 1205 - Parallel 1035 and 1044. New station and new Ultralight logging for me.
- 1035 **NEW ZEALAND** *NewsTalk ZB*, Wellington JUL 12 1210 - Typical ZB programming parallel 1044. Fair to poor.
- 1044 **NEW ZEALAND** *NewsTalk ZB*, Dunedin JUL 12 1220 - Parallel 1035 and 1098 at fair to good level.
- 1071 **NEW ZEALAND** *R.Trackside*, Ashburton JUL 12 1227 - Really pleased with this 6 kilowatter. Was a totally new station for me and was in at fair level with continuous horseracing calls on the 313e and the E100+Wellbrook. New station and new Ultralight logging for me.
- 1098 **NEW ZEALAND** *NewsTalk ZB*, Christchurch JUL 12 1230 - Parallel to other ZBers, over/under Marshall Islands open carrier.
- 1107 **AUSTRALIA** 2EA Sydney JUL 12 1233 - Presume this one with Aussie talk, noted in passing.
- 1116 **AUSTRALIA** 4BC Brisbane JUL 13 1125 - Heard all morning at sometimes moderate level.
- 1134 **JAPAN** JOQR Tokyo JUL 12 1112 - Barely audible Japanese talk.
- 1143 **AUSTRALIA** 4HI Emerald JUL 13 1240 - Presume this one that QSLed last year with oldies and talk at moderate level.
- 1215 **NEW ZEALAND** *NewsTalk ZB*, Kaikohe JUL 14 1204 - 'Number One in Late Night Talk, *Newstalk ZB*' in at good level briefly. Last heard as 1ZE, at least a decade ago, before the privatization of most of Kiwi AM stations. Heard also on Ultralight.
- 1251 **NEW ZEALAND** *R.Rhema*, Auckland JUL 12 1235 - Noted parallel 648 with Rhema's EZL at fair level for a new Ultralight log.
- 1287 **JAPAN** JOHR Sapporo JUL 13 1127 - Typical teen music/talk programming at fair level.
- 1377 **NEW ZEALAND** *R.Sport*, Levin JUL 12 1237 - American-owned *Radio Sport* continues to run American sports programming in their deep overnight. At max dawn caught a NASCAR program at good level for a brand new station with both the 313e and the E100+Wellbrook.
- 1386 **NEW ZEALAND** *R.Tarana*, Auckland JUL 12 1137 - Usually Bollywood music program at fair to good level all morning. Possibly the best Kiwi on the band.
- 1503 **NEW ZEALAND** *R.Sport*, Wellington JUL 13 1300 - Noted with late peak with a USA sports program discussing ML Baseball. Believe this the one here at mumble level throughout the expedition. New station logged on Ultralight.
- 1512 **AUSTRALIA** 2RN Newcastle JUL 13 1155 - *R.National* at fair to poor level parallel 738.

#### Totals

Australia - 25 stations; New Zealand - 17 stations; Japan - 7 stations; plus Tahiti and South Korea. Five totally new stations and 14 new Ultralight station loggings.

73 and Good DX!

## Shared tips and information from NRC members, both new and old

Welcome to the DX Tool Box Column number 7. Greetings once again from the Heart of the Continent.

This month we have a question from a reader:

I use a KIWA loop antenna. I've always heard that portable loop antennas should be kept "a considerable distance away" from "large metal objects" in order to avoid having their reception loops and nulls becoming skewed. To me, this begs two questions, to wit: 1-What constitutes a "large metal object"? An 18-wheeler? A car? A refrigerator? An HQ-180? A can of pork & beans...? 2-What constitutes a "considerable distance"? The length of a football field? Ten feet? Six inches? This may sound like a couple of frivolous questions, but they have been dogging me for some time, as I attempt to situate my KIWA at an optimum length from everything else metal in my DX shack. I hope you can shed some light on the answers in an upcoming edition of your DX Tool Box column! Guy Kudlemyer Thurston, Oregon

Guy has good questions. I have 2 BCB loops in my radio room a four foot box loop and an older ferrite Quantum Loop. The coaxial lead from my box loop was to be no more than 6 feet according to the original designer of the loop I based my unit on. This would allow it to tilt and swivel but still keep the coax short. So maybe we should say not more than 6 feet away and for smaller loops such as the Quantum Loop 3 feet as their turn and tilt radius is smaller. This limits where in the radio room I can place the loops. As for outdoor loops such as the ones Wellbrook sell well they want them mounted about 6 meters or 20 feet away from buildings. Now all my radios have metal cabinets so the loops are never far (3-6 feet) from them and I have no problems with nulls or directionality with the loops. I would have to say in this case the radio is not a large metal object so perhaps your refrigerator would be classed as a large metal object. I would avoid large appliances not only for the metal content but also the electrical or electronics they hold. My radio room is basically metal free of large objects but they are close by in the utility room (washer, drier, fridge, freezer, and furnace). There seems to be no real problem with them. but then I have never been in a place with the loop free of everything metal. I can tell you that a metal sided trailer is no fun. I had to be near a window to get a good signal so your 18 wheeler would be a pain to DX next to.

The best bet is to try the KIWA loop in a few places in the radio room. You will have to find the "sweet spot" for it to work best. There may be other things in and around the radio room that could affect the loop's performance. I know of one DX'er who had a large buzz on his ferrite loop from the readout on his ICOM ICR-71A but my ICOM ICR-70 did not have the same effect on the loop. He had to have it at least 3 feet away to null the buzz. I hope this was of some help, Guy.

### Bits and Bites from the NRC listserv:

Subject: [NRC-AM] discussions from 27 JUN 2009 Cape Cod DX get-together On 27 June, several DX'ers gathered on Cape Cod, first at Marc DeLorenzo's in South Dennis for antenna-raising activities and then at the Yarmouth QTH of Chris Black (N1CP) for barbecue. It was not surprising that there was quite a bit of interesting discussion, seeing that possibly a majority of New England's active MW DX'ers was in attendance, along with Neil Kazaross (now in IL, but formerly living at coastal sites in RI, ME, and MA). Some of the topics were: Broadband maintenance of a desired directional pattern - With Perseus and other software-defined radios (SDR's) having wideband capture / playback, DX'ers want antenna systems which maintain nulls which are consistent across the 530-1710 kHz range (and possibly greater) and which cover enough angular spread to keep "pest stations" from popping in and out of null as the skip angle shifts vertically and, in some cases, horizontally. Reactive (inductive and / or capacitive) elements being added to a Beverage or Flag (/ Kaz, etc.) termination were considered something which could provide deeper nulls but over narrower frequency ranges than resistive-only termination. The idea of a metallic plate as a Beverage termination, as recently noted by Dallas Lankford, was discussed. Also mentioned was the "Kaz termination", used on some of the Newfie DX'peditions, typically consisting of 3 or more wires in the 30 - 50 m (100 - 164 ft.) range fanned out beyond the termination resistor at the far end of the Beverage. The inadequacies of grounding at the Grayland, WA DXpedition site became obvious to Bruce Conti when he visited out there a couple of years ago. A lot of DX was being left on the table because domestics weren't being nulled well enough by the rather-short poorly-terminated Beverages. In retrospect, it's likely that the far-end grounding could be assisted by the Lankford metal-plate scheme or by the Kaz-type fan of termination wires. Still

to be solved was the grounding at the 9:1 transformer on the receiver end of the antenna. You could have both windings of the transformer connected to "receiver ground" (mains AC or car DC ground) but such an approach often leads to high noise levels from computers, etc. The better plan is always to have a decent earth ground at the high-impedance winding, a ground which is isolated from the receiver common. At Grayland, Bruce's suggestion of using Bentonite-bearing cat litter, did improve the earth ground to the transformer some. Getting good front-to-back (and noise reduction) with soil that's quite sandy is still a problematic matter. It is not much of a stretch to see that many of the same issues would be in play in Cape Cod's sandy pinelands and dunes. "To the rescue" have come ground-independent antennas (broadband loops - both unterminated / figure-of-eight or terminated / cardioid) operated singly, or even better, as phased arrays of two or more. Neil and I agreed that Dallas Lankford's Quad Delta Flag Array (QDFA "<http://perseus-sdr.blogspot.com/2009/04/grayland-qdfa-dallas-lankfords.html>") is going to be too complicated and space-hungry for use by most East Coast DX'ers whether at home or on DX'peditions, but a two element array of Flags or Deltas (DDFA: Dual Delta Flag Array) would be implement able by some with noticeable improvement in quality of DX. Arrays of two Beverages-on-Ground (BOG's) have been used quite a bit by Neil Kazaross. One set-up, that recommended by W8JI ("<http://www.w8ji.com>"), is two parallel wires of the same length with a spacing of about 2 m and a stagger of about 40 m (one wire starts farther from the receiver than the other). The other situation is two different-length parallel wires (e.g. 200 m and 140 m) starting at the same distance from the receiver. The feeling was that a broader phase-null bandwidth could be maintained by use of staggered equal-length parallel wires. Dissimilar length wires are easier for car-DX-pedition "quickie" set-up but require more phaser tweaking as the high-band and low-band null solutions vary more because of the differing gain curves of the two antennas (the shorter wire being more deficient at lower frequencies). I mentioned BOG tests that I had run at the Rowley (MA) salt-marsh. The antennas were not competitive with phased active whips (spacing 50 m). Wires on the ground do not work well on very high conductivity soil. It's better to use arrays of verticals, Flags, or Wellbrook-style loops there. It was noted that Wellbrook is now offering an array of two in-line K9AY (cardioid) antennas to complement their two in-line figure-of-eight loop array. I mentioned that a two-element 60 m spaced broadband loop array tested at East Harwich, MA back around 2000 had good noise-rejection (better than two active whips in a house-based setting) but it seemed to let in more high-angle skip from stations in NY, NJ, PA, ON, etc. The verticals, both at the sandy-soil site in East Harwich and at the salt-marsh site in Rowley, had less high-angle pick-up and null "jumpiness" than two similarly-spaced figure-of-eight type broadband loops. Neil said that "off the side" rejection provided by a two-loop system (or BOG's) is more of a critical concern in the Midwest whereas at New England coastal sites, it's all about front-to-back performance with stations in the 230 to 300 degree bearing range those which need to be suppressed. Several car DX set-ups were discussed. I showed the "rooftop Micro-SuperLoop" ("[http://home.comcast.net/~dx\\_lab/pictures/micro\\_superloop.htm](http://home.comcast.net/~dx_lab/pictures/micro_superloop.htm)") to Neil. The square 2 m by 2 m form of the antenna gives low-angle front-to-back of only about 15 dB, higher angle skip rejection (e.g. 1080 WTIC, 1130 WBBR) more like 20 dB. If the system was reconfigured to be a rectangle of 4 m horizontal by 2 m vertical, better front-to-back should result. This would be impractically large for a rooftop mount and anything much smaller (e.g. 2 m by 1 m) would be gain-challenged. Craig Healy (NG1U) demo'ed his loop versus whip car set-up. This is similar to what I had used on Granite Pier outings before the Micro-SuperLoop. He has the advantage of a fiberglass roof so his broadband loop (ferrite-based rather than my air-core one) could remain "indoors" allowing easy repositioning. As with the system I'd used. The tricky part is having the gain of the loop and the whip track closely enough that a cardioid null set up by the phasing of the two will remain reasonably deep over at least a 190 kHz span for SDR-IQ captures and not-excessively-finicky band-cruising during live DX. It might be possible to have a closely-gain-tracked loop-versus-whip set-up produce a usable cardioid pattern over as much as half the medium wave band without major readjustment. This would make the system usable with Perseus captures of at least 400 kHz and maybe even 800 with a given phaser setting. Car set-ups at the annual Boston Area DX'ers "DX Clams" outing to Granite Pier (Rockport, MA) are always interesting. This year's event is planned for 30 July. Receivers are always a hot topic. This year SDR's, Ultralights, and "normal" communications receivers all got some attention. Filtering is important: the filters of the Perseus and SDR-IQ were judged to be better than those in many conventional radios. My closest "old-school" receiver to Perseus filter sharpness comparison would be the R-390A: the state-of-the-art DX machine of the JFK era. It's truly amazing the kind of DX capability available today. Now you can easily hike into the woods with more DX power in a small backpack (containing a net book PC running a Perseus or SDR-IQ, plus an Ultralight just for fun) than could be placed on a large bench top in the '60s when many of us got started in the hobby. Propagation topics included Bruce Conti's 747 Japan receptions. Best reception was on the east-west SuperLoop nulling west / peaking east. The incoming Japan signal was possibly coming in during dawn tilting that made the point of signal origin appear to be directly overhead. The rejection of domestic splatter

(e.g. 740 CFZM and 750 WSB) was useful. The Japan signal arriving from somewhere between the due north horizon and straight overhead was not reduced much by the westerly cardioid null. Receptions only lasted about 15 minutes. This is similar to dawn-enhancement of 1359 Spain, a station with a high-angle antenna that has a mediocre signal except for about a half hour around dawn there when it comes up to huge level, one of the strongest of all TA's. The high-angle takeoff hitting a tilted ionospheric layer sends the signal parallel to and well above the earth for a substantial distance, eliminating several lousy earth bounces. Low auroral activity no doubt contributed to Bruce's Japan logs as well as the Faroes and Greenland receptions last winter on Cape Cod. Bruce did a good Popular Communications write-up on these logs in conjunction with a look at online aurora-plotting sites. Some of the "DX geezers" among us talked about great DX of the past that is not likely to be replicated now that many stations have gone dark and now that IBOC and home-electronics interference trashes up the band. Neil made us drool recalling Namibia on 594 and 747 heard from Ogunquit, ME in the '80s. Former blaster signals such as 764/765 Senegal and 725 Suriname were recalled. Craig mentioned a long quest for 640 KFI past carefully-nulled local 630 WPRO and how on one night he was rewarded. The early '80s Montauk Point DXpedition was possibly the "biggest thing before Newfie" here on the East Coast. Neil teamed up with George Hakiel and Matt Stutterheim to ride an aurora that was full of Latin American rocket fuel. Stations were logged that have not been heard in North America since, except perhaps from Cappahayden, Newfoundland. The awesome '70s-era African medium wave logs of Nova Scotia's Mike Dunn (VE1TK) were also recalled. Another topic was "spectrum recording '60s style". The major "spook agencies" used videotapes to record basebands possibly up to 2 MHz wide. Desired frequency ranges were down converted to land in the baseband IF range. Gordon Nelson knew about this stuff, so his April Fools commentaries on the "Monday morning recorder" were not totally a joke. And now 40 years later we have the Perseus. DX'ers of the past and the inevitable "where are they now" questions came up. Names on the list included Brian Vernon, George Hakiel, Bill Bailey, Matt Stutterheim, and Al Merriman. We're not sure who has just bailed out of the hobby and who may be deceased. I guess the mark of an outstanding DX'er is when people at a backyard barbecue on Cape Cod in 2009 still mention your name when the last time your name appeared in *DX News* was something like 1990 or earlier. I hope some of the above is of general interest and wasn't too boring and long-winded. Mark Connelly, WA1ION - Billerica, MA, USA

#### **This month's DX Tool Box web site is:**

This time we go to the South Pacific. The site this month is the Radio Heritage Foundation. They have tons of information on radio stations in the Pacific on Medium Wave as well as Shortwave. If the station you need information on is in the Pacific region you can more than likely find the information you want at this site. They have a huge historical area about stations from the past that makes great reading as well as up to date information on stations currently on the air. The link below is to their search engine page that will allow you to download a listing of all Medium Wave or Shortwave stations in the Pacific. Select Shortwave or Medium Wave and put in your email address. Click on show results to go to the download page. The Medium Wave section even includes many beacons weather stations and others as well as regular broadcast stations. You can go to their Home page to see all the goodies they offer.

[http://www.radioheritage.net/PAL\\_search.asp](http://www.radioheritage.net/PAL_search.asp)

73 for this time Shawn. Remember On A Clear Day You Can Hear Forever

**Expiring? Time to renew? Not sure when? Need to call or e-mail someone or join e-DXN or DXAS? Check the back page - it's all there!**

### **IRCA Mexican Log, 13th Edition (Winter 2008)**

The **IRCA MEXICAN LOG** lists all AM stations in Mexico by frequency, including call letters, state, city, day/night power, slogans, schedule in UTC/GMT, formats, networks and notes. The call letter index gives call, frequency, city and state. The city index (listed by state, then city) includes frequency, call and day/night power. The transmitter site index (listed by state, then city) tabulates the latitude and longitude of transmitter sites. This is an indispensable reference for anyone who hears Mexican radio stations. Size is 8 1/2" x 11".

Prices: **NRC/IRCA members** - \$9.50 (US/Canada/Mexico/sea mail), \$12.00 (rest of the Americas/Europe airmail), \$12.50 (Australia/Japan/New Zealand airmail). Non-NRC/IRCA members - add \$2.00.

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# Professional Sports

## Networks

**Barry S. Finkel** bsfinkel@ANL.gov  
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Chicago, IL 60643-2409

## Network listings for team sports stations

Here is National Football League (NFL) flagship information from Ken Onyschuk's Internet searches. I have added to Ken's information via Internet searches to find network lists. I am not sure that I have all of the information on foreign-language broadcasts. The size of each network is listed in parentheses. I have started collecting network lists; please send me any URLs to list for the 2009 season. I have found some pages that definitely contain a list from a previous season and some pages that have an undated list. With an undated list, I have not yet had the time to compare the list to last year's list to see if there are any changes. Thanks.

Arizona Cardinals	860	KMVP-AZ	Dave Pasch, Ron Wolfey (13)
Atlanta Falcons	92.9	WZGC-GA	Wes Durham, Dave Archer (37)
Baltimore Ravens	1090	WBAL-MD	Gerry Sandusky, Rob Burnette, Stan White (17)
	97.9	WIYY-MD	
Buffalo Bills	96.9	WGRF-NY	John Murphy, Mark Kelso (26)
	103.3	WEDG-NY	
Carolina Panthers	1110	WBT -NC	Mick Mixon, Eugene Robinson, Jim Szoke (60)
	99.3	WBT -NC	
Chicago Bears	780	WBBM-IL	Jeff Joniak, Tom Thayer, Zach Zaidman (29)
Cincinnati Bengals	1360	WCKY-KY	Brad Johansen, Dave Lapham (26)
	92.5	WOFX-OH	
Cleveland Browns	100.7	WMMS-OH	Jim Donovan, Mike Snyder, Doug Dieken (30)
	1100	WTAM-OH	
Dallas Cowboys	93.3	KDBN-TX	Brad Sham, Babe Laufenburg (91)
	1310	KTCK-TX	
Denver Broncos	850	KOA -CO	Dave Logan, Dave Diaz-Infante (56)
Detroit Lions	97.1	WKRK-MI	Dan Miller, Jim Brandstatter (34)
	1270	WXYT-MI	
Green Bay Packers	620	WTMJ-WI	Wayne Larrivee, Larry McCarren (56)
	1360	WTAQ-WI	
	101.1	WIXX-WI	
Houston Texans	610	KILT-TX	Marc Vandermeer, Andre Ware (34)
	100.3	KILT-TX	
Indianapolis Colts	1070	WFNI-IN	Bob Lamey, Will Wolford (40)
	97.1	WLHK-IN	
Jacksonville Jaguars	690	WOKV-FL	Jeff Lageman, Brian Sexton (12)
Kansas City Chiefs	101.1	KCFX-MO	Mitch Holthus, Len Dawson (69)
Miami Dolphins	560	WQAM-FL	Jimmy Cefalo, Jim Mandich, Joe Rose (20)
Minnesota Vikings	1130	KFAN-MN	Pete Berich, Greg Coleman (73)
New England Patriots	104.1	WBCN-MA	Gil Santos, Gino Cappelletti (17)
New Orleans Saints	870	WWL -LA	Jim Henderson, Hokie Gajan (36)
New York Giants	660	WFAN-NY	Bob Papa, Carl Banks (13)
New York Jets	1050	WEPM-NY	Bob Wischusen, Marty Lyons (no network)
Oakland Raiders	560	KSFO-CA	Greg Papa, Tom Flores (31)
Philadelphia Eagles	94.1	WYSP-PA	Merrill Reese, Mike Quick (11)
	610	WIP -PA	
Pittsburgh Steelers	970	WBGG-PA	Bill Hillgrove, Tunch Ilkin (??)
	102.5	WDVE-PA	
Saint Louis Rams	101.1	WXOS-MO	Steve Savard, D'marco Farr (??)
San Diego Chargers	105.3	KIOZ-CA	Josh Lewin, Hank Bauer (14)
San Francisco 49ers	680	KNBR-CA (EE)	Ted Robinson, Gary Plummer, Rod Brooks (20)
	1050	KNBR-CA (EE)	

	107.7	KSAN-CA	(EE)	
	1010	KIQI-CA	(SS)	-Fernando Arias, Ambrosio Rico
	990	KATD-CA	(SS)	
Seattle Seahawks	710	KIRO-WA		-Steve Raible, Warren Moon
Tampa Bay Buccaneers	620	WDAE-FL		Dave Moore, Gary Deckerhoff (22)
	103.5	WFUS-FL		
Tennessee Titans	103.3	WKDF-TN		Mike Keith, Frank Wycheck, Larry Stone (76)
Washington Redskins	980	WTEM-DC		Sam Huff, Larry Michael, Sonny Jurgensen (23)

- = announcers from last season

Here is Minor League Baseball (MiLB) radio information for the 2009 season. The web site <http://web.minorleaguebaseball.com/milb/schedule/> (05/26/2009) lists the MiLB leagues and the teams therein. Most of the team web sites do not list radio information, so most of this information comes from Google searches. I have not recorded the URLs, as there are too many of them. And I have not had time to research some of these leagues. Note that in some cases I found the name of the announcer but not the call and frequency of the station.

If you find information herein that is incorrect, or if you can find information that I do not have, please let me know. Thanks.

### International League (AAA)

* Buffalo Bisons	550	WGR-NY		
	930	WBEN-NY(22h)		Ben Wagner, Duke McGuire, Joel Godett
* Charlotte Knights	1160	WFNZ-NC (most)		Matt Swierad
* Columbus Clippers	920	WMNI-OH		Scott Leo, Wayne Harer
* Durham Bulls	99.9	WCMC-NC		
* Gwinnett Braves	550	WDUN-GA		Tony Schiavone, Judd Hickenbotham
* Indianapolis Indians	950	WXLW-IN		Howard Kellman, Scott McCauley
* Lehigh Valley IronPigs	1230	WEEX-PA		
	89.1	WYBF-PA		
	105.5	WMGH-PA		
	1370	WPAZ-PA		
	1410	WLSH-PA		
	1440	WNPV-PA		
* Louisville Bats				
* Norfolk Tides				
* Pawtucket Red Sox	920	WHJJ-MA		Dan Hoard, Steve Hyder
	1340	WNBH-MA		
	1380	WNRI-RI		
	830	WCRN-MA s		
	1480	WSAR-MA s		
	1490	WMRC-MA s		
	96.7	WBLQ-RI s		
	1250	WGAM-NH s		
	900	WGHM-NH s		
	1480	WCFR-VT s		
* Rochester Red Wings	1280	WHTK-NY		Josh Wetzell
	1040	WYSL-NY		(some games)
* Scranton/Wilkes-B. Yankees				Mike Vander Woude
* Syracuse Chiefs				
* Toledo Mud Hens	1230	WCWA-OH		



### Mexican League (AAA)

* Acereros de Monclova		* Petroleros de Minatitlan
* Broncos de Reynosa		* Piratas de Campeche
* Diablos Rojos del Mexico		* Rojos del Aguila de Veracruz
* Dorados de Chihuahua		* Saraperos de Saltillo
* Guerreros de Oaxaca		* Sultanes de Monterrey
* Leones de Yucatan		* Tecolotes de Nuevo Laredo
* Olmecas de Tabasco		* Tigres de Quintana Roo
* Pericos de Puebla		* Vaqueros Laguna

**Pacific Coast League (AAA)**

* Albuquerque Isotopes	610	KNML-NM	
* Colorado Springs Sky Sox	1460	KZNT-CO	Sam Farber, Dan Karcher
* Fresno Grizzlies	790	KFPT-CA	Doug Greenwald
* Iowa Cubs	940	KPSZ-IA	
* Las Vegas 51s	920	KBAD-NV	Russ Langer
* Memphis Redbirds	560	WHBQ-TN	
* Nashville Sounds	560	WNSR-TN	Chuck Valenches
* New Orleans Zephyrs	690	WIST-LA	
* Oklahoma City RedHawks	1000	KTOK-OK	Jim Byers
* Omaha Royals	1180	KOIL-NE	Mark Nasser
* Portland Beavers	860	KPAM-OR or 1550 KKAD-OR	Rich Burk, Tim Hagerty
* Reno Aces	1450	KHIT-NV	Ryan Radtke
* Round Rock Express			
* Sacramento River Cats			
* Salt Lake Bees			
* Tacoma Rainiers			Bob McElligot, Jason Benetti

**Eastern League (AA)**

* Akron Aeros	1350	WARF-OH	
* Altoona Curve	1430	WVAM-PA	
	1150	WHUN-PA	
	850	WKGE-PA	
	970	WBGG-PA	
	1400	WWGE-PA	
	1340	WTRN-PA	
* Binghamton Mets	1290	WNBF-NY	Rob Ford
* Bowie Baysox			
* Connecticut Defenders			
* Erie SeaWolves	1330	WFNN-PA	
* Harrisburg Senators	1460	WTKT-PA	
* New Britain Rock Cats	96.5	WTIC-CT	
	1150	WMRD-CT	
	1420	WLIS-CT	
* New Hampshire Fisher Cats	610	WGIR-NH	Mike Murphy, Bob Lipman
* Portland Sea Dogs	1400	WBAE-ME	Mark Antonellis
	1490	WBAE-ME	
* Reading Phillies	1240	WIOV-PA	Anthony Opperman
* Trenton Thunder	107.7	WRRC-NJ	Steve Rudenstein, Jared Smith

**Southern League (AA)**

* Birmingham Barons	101.1	WYDE-AL	
* Carolina Mudcats	570	WDOX-NC	
* Chattanooga Lookouts	1310	WDOD-TN	
* Huntsville Stars (none - due to the economy)			
* Jacksonville Suns	930	WFXJ-FL	J. P. Shadrick
* Mississippi Braves	103.9	WYAB-MS	
* Mobile Bay Bears			
* Montgomery Biscuits	1440	WLWI-AL	John Laaser
* Tennessee Smokies	99.1	WNML-TN	Mick Gillespie
	99.3	WNRX-TN	
	990	WNML-TN	
* West Tenn Diamond Jaxx			

**Texas League (AA)**

* Arkansas Travelers			
* Corpus Christi Hooks	1360	KKTX-TX	
	1400	KUNO-TX	
* Frisco RoughRiders			
* Midland RockHounds	102.1	KFZX-TX	
* Northwest Arkansas Naturals			



- \* San Antonio Missions 690 KKYX-TX Roy Acuff, Stu Paul
- \* Springfield Cardinals 560 KWTO-MO
- \* Tulsa Drillers

### California League (A Advanced)

- \* Bakersfield Blaze
- \* High Desert Mavericks 92.9 KXFG-CA
- \* Inland Empire 66ers 1050 KCAA-CA
- \* Lake Elsinore Storm Sean McCall
- \* Lancaster JetHawks 1340 KTPI-CA
- \* Modesto Nuts 970 KESP-CA
- \* Rancho Cucamonga Quakes 1510 KSPA-CA Jeff levering
- \* San Jose Giants Inet only (www.sjgiants.com)
- \* Stockton Ports 1420 KSTN-CA Zack Bayrouy
- \* Visalia Rawhide 1270 KJUG-CA Donny Baarns, Mark Freeman

### Carolina League (A Advanced)

- \* Frederick Keys 1520 WTRI-MD (28 games)
- \* Kinston Indians 960 WRNS-NC
- \* Lynchburg Hillcats 105.5 WKDE-VA Tommy Thrall
- \* Myrtle Beach Pelicans 93.7 WXJY-SC
- 93.9 WJXY-SC
- 1050 WIQB-SC
- \* Potomac Nationals 1440 WNPV-PA
- \* Salem Red Sox 960 WFIR-VA Evan Lepler
- \* Wilmington Blue Rocks 1290 WWTX-DE John Sadak
- 1410 WDOV-DE
- \* Winston-Salem Dash



### Florida State League (A Advanced)

- \* Brevard County Manatees
- \* Charlotte Stone Crabs
- \* Clearwater Threshers
- \* Daytona Cubs
- \* Dunedin Blue Jays
- \* Fort Myers Miracle
- \* Jupiter Hammerheads
- \* Lakeland Flying Tigers
- \* Palm Beach Cardinals
- \* Sarasota Reds
- \* St. Lucie Mets
- \* Tampa Yankees

### Midwest League (A)

- \* Beloit Snappers
- \* Burlington Bees
- \* Cedar Rapids Kernels
- \* Clinton LumberKings
- \* Dayton Dragons
- \* Fort Wayne TinCaps
- \* Great Lakes Loons
- \* Kane County Cougars
- \* Lansing Lugnuts
- \* Peoria Chiefs
- \* Quad Cities River Bandits
- \* South Bend Silver Hawks
- \* West Michigan Whitecaps
- \* Wisconsin Timber Rattlers

### South Atlantic League (A)

- \* Asheville Tourists
- \* Augusta GreenJackets
- \* Bowling Green Hot Rods
- \* Charleston RiverDogs
- \* Delmarva Shorebirds
- \* Greensboro Grasshoppers
- \* Greenville Drive
- \* Hagerstown Suns
- \* Hickory Crawdads
- \* Kannapolis Intimidators
- \* Lake County Captains
- \* Lakewood BlueClaws
- \* Lexington Legends
- \* Rome Braves
- \* Savannah Sand Gnats
- \* West Virginia Power

## Broadcasters' Guides to DX

Four different tri-fold guides for use with reception reports explaining DX'ing, how the NRC was formed, and the importance of QSL's to DX'ers. AM editions in English (EEG), Spanish (SSG), and French (FFG); FM edition in English (FMG). 20 for U\$3.95 (\$4.50 non-members) from NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)



**New York-Penn League (A Short-Season)**

- \* Aberdeen IronBirds
- \* Auburn Doubledays
- \* Batavia Muckdogs
- \* Brooklyn Cyclones
- \* Hudson Valley Renegades
- \* Jamestown Jammers
- \* Lowell Spinners
- \* Mahoning Valley Scrappers
- \* Oneonta Tigers
- \* State College Spikes
- \* Staten Island Yankees
- \* Tri-City ValleyCats
- \* Vermont Lake Monsters
- \* Williamsport Crosscutters

**Northwest League (A Short-Season)**

- \* Boise Hawks
- \* Eugene Emeralds
- \* Everett AquaSox
- \* Salem-Keizer Volcanoes
- \* Spokane Indians
- \* Tri-City Dust Devils
- \* Vancouver Canadians
- \* Yakima Bears

**Appalachian League (Rookie)**

- \* Bluefield Orioles
- \* Bristol Sox
- \* Burlington Royals
- \* Danville Braves
- \* Elizabethton Twins
- \* Greeneville Astros
- \* Johnson City Cardinals
- \* Kingsport Mets
- \* Princeton Rays
- \* Pulaski Mariners

**Arizona League (Rookie)**

- \* AZL Angels
- \* AZL Athletics
- \* AZL Brewers
- \* AZL Cubs
- \* AZL Dodgers
- \* AZL Giants
- \* AZL Indians
- \* AZL Mariners
- \* AZL Padres
- \* AZL Rangers
- \* AZL Royals

**Dominican Summer League (Rookie)**

- \* DSL Angels
- \* DSL Astros
- \* DSL Athletics1
- \* DSL Athletics2
- \* DSL Blue Jays1
- \* DSL Blue Jays2
- \* DSL Braves
- \* DSL Cardinals
- \* DSL Cubs1
- \* DSL Cubs2
- \* DSL Diamondbacks
- \* DSL Diamondbacks/Reds
- \* DSL Dodgers
- \* DSL Giants
- \* DSL Indians
- \* DSL Mariners
- \* DSL Marlins
- \* DSL Mets
- \* DSL Nationals1
- \* DSL Nationals2
- \* DSL Orioles
- \* DSL Padres
- \* DSL Phillies
- \* DSL Pirates
- \* DSL Rangers1
- \* DSL Rangers2
- \* DSL Rays
- \* DSL Red Sox
- \* DSL Reds
- \* DSL Rockies
- \* DSL Royals
- \* DSL Tigers
- \* DSL Twins
- \* DSL White Sox1
- \* DSL White Sox2
- \* DSL Yankees1
- \* DSL Yankees2

**Gulf Coast League (Rookie)**

- \* GCL Astros
- \* GCL Blue Jays
- \* GCL Braves
- \* GCL Cardinals
- \* GCL Marlins
- \* GCL Mets
- \* GCL Nationals
- \* GCL Orioles
- \* GCL Phillies
- \* GCL Pirates
- \* GCL Rays
- \* GCL Red Sox
- \* GCL Reds
- \* GCL Tigers
- \* GCL Twins
- \* GCL Yankees

**Pioneer League (Rookie)**

- \* Billings Mustangs
- \* Casper Ghosts
- \* Great Falls Voyagers
- \* Helena Brewers
- \* Idaho Falls Chukars
- \* Missoula Osprey
- \* Ogden Raptors
- \* Orem Owlz

**Venezuelan Summer League (Rookie)**

- \* VSL Cardinals
- \* VSL Mariners
- \* VSL Mets
- \* VSL Phillies
- \* VSL Pirates
- \* VSL Rays
- \* VSL Tigers

s = selected games only

## Not sure about renewing?

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# Graveyard DX Totals

Bill Hale w\_r\_hale@sbcglobal.net  
6124 Roaring Springs Drive  
North Richland Hills, TX 76180-5552

## Total stations logged on graveyard frequencies

Total Stations Heard on Each Graveyard Channel

*Date of Last Update: July 27, 2009*

<u>DXer and Location(s)</u>	<u>1230</u>	<u>1240</u>	<u>1340</u>	<u>1400</u>	<u>1450</u>	<u>1490</u>	<u>Total</u>
Norm Maguire East Hartford, CT/ Albuquerque, NM	146	169	174	168	192	157	1006
Stan Morss Boxford, MA	84	114	101	102	108	98	607
Charles Reh Leamington, ON	65	78	91	70	80	86	470
Hank Holbrook Chevy Chase, MD*	28/3	64/2	79/4	53/1	68/5	53/9	345/24
Frank Wheeler Erie, PA	58	81	63	62	65	32	361
Barry McLarnon Ottawa, ON	56	61	55	60	62	65	359
Steve Francis Alcoa, TN	54	45	43	53	63	74	332
Jeff Falconer Clinton, ON	53	45	56	59	58	53	324
Russ Edmunds Combined NJ/PA	39	49	48	50	53	62	301
Ron Schiller Various Locations, NJ	43	44	57	31	49	66	290
Carl Dabelstein Omaha & Lincoln, NE; Overland Park, KS	45	51	54	50	55	31	286
Ernie Wesolowski Omaha, NE	41	49	46	45	52	19	252
Shawn Axelrod Winnipeg, MB	41	18	45	53	50	44	251
Phil Bytheway Seattle, WA	37	38	48	42	44	34	243
Joe Kureth Uniontown, MD	35	36	40	43	37	43	234
Ron Bailey Shelby, NC	37	36	36	34	35	39	217
Dave Whatmough Hamilton, ON	33	27	39	31	39	41	210
Don Trelford Toronto, ON (pre-1960)	39	22	37	34	38	33	203
John Wilkins Wheat Ridge, CO	29	26	23	34	33	36	181
Andy Rugg Montreal, QC	30	31	32	24	25	34	176
Karl Jeter Suburban Atlanta, GA	20	31	20	29	29	41	170
Ron Musco Hartford, CT	21	25	21	25	27	24	143
Craig Barnes Wheat Ridge, CO	21	15	29	25	26	22	138
Niel Wolfish Toronto, ON	13	26	18	22	22	35	136
John Wilkins West Des Moines, IA	23	25	26	22	16	21	133
Dave Fox Reading, PA	15	24	16	23	24	27	129
Esa Hänninen Various Locations, Finland	13	18	20	23	16	35	125
Gary Atkins Louisville, KY	21	8	29	21	18	26	123
Frank Merrill Various Locations	16	18	17	20	26	26	123
Dave Schmidt New Castle, DE	17	24	21	16	12	23	113
Marc DeLorenzo Hyannis, MA	20	19	13	16	23	20	111
Tim Hall Chula Vista, CA	20	14	22	20	19	14	109
Harry Hayes Gouldsboro, PA	15	21	17	13	21	19	106
Bill Harms Spokane Valley, WA	14	14	24	16	26	12	106
John Malicky Pittsburgh, PA	7	15	16	14	24	27	103
Mike Sanburn Bellflower, CA	14	16	18	21	18	15	102
Bob McCoy Lincoln, NE	29	20	18	19	4	10	100
Art Blair Folsom, CA	14	6	24	18	16	21	99
Brett Saylor State College, PA	21	17	19	16	1	24	98
Nancy Johnson Abedeen, WA	16	20	13	11	13	14	87
Jim Boehm San Antonio, TX	12	11	14	17	17	15	86
Joe Kureth Southern Pines, NC	13	12	13	13	17	12	80
Bill Hale WI, IL, ID, FL, TX, NY, CA, NM	15	14	12	11	13	15	80
Niel Wolfish Winnipeg, MB	11	2	10	22	19	15	79
Forest Osborn - Hooker, OK	12	13	12	20	13	9	79
Wayne Heinen Aurora, CO	14	16	8	15	21	23	77
Ron Schiller Avenel, NJ	14	11	13	6	10	21	75
Jim Renfrew Rochester, NY	16	10	10	12	12	13	73
Bruce Winkelman Tulsa, OK	15	14	3	17	13	11	73
Carl Dabelstein Phoenix-Tucson, AZ	10	12	14	10	14	11	71

Mike Hardester	Various Locations	13	10	11	10	13	13	70
Fred Nordquist	Clay, NY	13	15	6	9	15	11	69
Tim Hall	US 6/50 @ NV-UT Border, UT	14	14	12	10	10	8	67
Dave Braun	Falls Church, VA	14	16	6	11	4	11	62
Wayne Heinen	Colorado Springs, CO	8	6	19	18	3	8	62
Les Rayburn	Helena, AL	14	10	12	9	10	7	62
Olle Alm	Stockholm, Härnösand, Abisko, Karesuando and Göteborg, Sweden	5	7	5	19	12	13	61
Christian DeHaes	Chicoutimi, QC	7	16	15	6	8	9	61
Don Trelford	Scarborough, ON	7	10	8	9	17	9	60
Pete Taylor	Worldwide	12	8	8	19	6	5	58
Tim Hall	Teasdale, UT	10	11	8	10	8	11	57
Tim Hall	Tombstone, AZ	12	10	9	10	7	9	57
Tim Hall	Mammoth Lakes, CA	12	9	8	7	10	9	55
Tim Hall	Yellowstone Lake Village, WY	10	9	9	9	9	9	55
Ken Onyschuk	Steger, IL	9	7	7	10	12	9	54
Carl Dabelstein	Minneapolis, MN	11	11	8	3	11	8	52
Dave Braun	Dover, DE	4	8	8	9	10	11	50
Morris Sorensen	Winnipeg, MB	4	6	8	10	14	8	50
Tim Hall	Banff National Park, AB	10	7	9	7	6	8	47
Russ Edmunds	Syracuse, NY	12	7	7	5	6	8	46
Tim Hall	Mammoth Lake, CA	9	8	7	5	9	8	46
Wayne Heinen	Orchard Park, NY	13	10	8	2	6	5	44
Dave Yocis	South Nyack, NY	1	6	11	5	11	10	44
Tim Hall	Ajo, AZ	9	8	9	6	6	6	44
Tim Hall	Jasper, AB	10	7	8	7	8	4	44
Paul Mount	Teaneck, NJ	5	8	8	8	8	5	42
Morris Sorensen	Scarborough, ON	2	12	3	10	6	9	42
Denis Picard	Trois-Rivières-Ouest, QC	7	11	6	6	5	6	41
Tim Hall	Bandon, OR	7	4	6	9	5	9	40
Tim Hall	Monterey-Carmel, CA	10	6	8	5	6	4	39
Don Trelford	Runaway Bay, Jamaica	4	6	6	5	10	7	38
Tim Hall	Chester, CA	5	8	6	5	7	7	38
Tim Hall	The Sea Ranch, CA	11	6	6	3	6	6	38
Tim Hall	Tombstone, AZ	8	7	6	6	4	6	37
Tim Hall	Crater Lake, OR	10	7	4	6	5	5	37
Stephen Ponder	Bossier City, LA	6	5	6	6	7	7	35
J.W. Bay, Jr.	Drexel Hill, PA	35	0	0	0	0	0	35
Tim Hall	Radium Hot Springs, BC	7	4	7	6	5	5	34
Eric McIntosh	Invercargill, NZ	0	3	1	15	7	7	33
George Santulli	Cranford, MA	0	0	33	0	0	0	33
Tim Hall	Crescent City, CA	4	1	6	9	6	6	32
Morris Sorensen	Leaf Rapids and God's Narrows, MB	5	6	5	7	4	4	31
Jack Woods	Waldport, OR	4	3	7	6	3	8	31
Tim Hall	Burney, CA	4	5	4	6	6	5	30
Tim Hall	Lone Pine, CA	7	6	4	4	4	5	30
Tim Hall	Houston, TX	1	2	8	5	6	8	30
Tim Hall	Moab, UT	5	4	5	6	5	5	30
Tim Hall	Springdale, UT	8	5	5	4	4	4	30
Tim Hall	Grant Village, WY	5	5	5	3	5	7	30
Morris Sorensen	Port Carling, ON	2	5	5	6	4	6	29
Morris Sorensen	Milton, ON	5	3	3	7	3	7	28
Russ Edmunds	Jonesport, ME	4	5	1	6	5	5	26
John Vervoort	Brooklyn, NY	6	4	2	5	5	2	24
Richard Lauhead	Vadnais Heights, MN	6	6	7	1	4	0	24
Chris Cuomo	Verona, PA	2	4	5	3	5	2	21
Paul Mount	Nelsonville, OH	4	4	2	3	3	5	21
Paul Swearingen	Moran, KS	5	3	2	2	2	5	19
John Reed	Ponca City, OK	1	1	4	3	5	5	19
Ron Schiller	Monmouth Beach, NJ	4	3	6	3	2	1	19

Morris Sorensen	Kemptville, ON	2	4	2	2	5	3	18
John Tudenham	Joplin, MO	7	2	2	4	1	1	17
David B. Jones	Springfield, TN	3	5	3	2	2	2	17
Les Carpenter	Sandy, UT	2	1	0	2	5	5	15
Pete Taylor	Tacoma, WA	2	1	1	4	3	4	15
Morris Sorensen	Amaranth, MB	3	5	3	1	1	2	15
Rick Turner	Bemidji, MN	4	3	2	2	1	3	15
Shawn Axelrod	Orlando, FL	1	2	1	4	1	1	10
Doug Smith	Madison, WI	2	1	3	2	2	0	10
Perry Crabill	Winchester, VA	2	2	1	1	2	2	10
Ron Schiller	Lighthouse Point, FL	2	1	4	2	1	0	10
Shawn Axelrod	Edmonton, AB	1	0	1	1	1	1	5
Ron Schiller	Newark, DE	0	0	0	0	1	4	5
Bert New	Watkinsville, GA	4	0	0	1	0	0	5
Dale Park	Irvine, CA	1	1	1	1	1	0	4
Dale Park	Various Locations, HI	0	1	0	1	1	0	3
Michael Plumb	Papillion, NE	0	1	1	1	0	0	3
Ron Schiller	Dallas, TX	0	0	1	0	1	1	3
Shawn Axelrod	Swan River, MB	0	2	0	0	0	0	2

\* Totals are for Before / After 1960

- Unreported

All Graveyard DX files are at: <http://www.nrcdxas.org/> then select Station Info

# Geomagnetic Summary

Phil Bytheway phil\_tekno@yahoo.com  
9705 Mary NW  
Seattle, WA 98117-2334

High "A" values indicate possible auroral conditions

## Geomagnetic Summary August 25 through October 31 2006

SWF - Space Weather Forecast

maf - major flare

mas - major storm

mis - minor storm

pca - polar cap absorption

SWT - Space Weather today

spe - satellite proton event

ss - severe storm

Tabulated from email status daily.

Date	Flux	A	K	Space Wx	Date	Flux	A	K	Space Wx
1/ 1	69	12	1	no storms	26	70	1	2	no storms
2	69	8	1	no storms	27	70	12	1	no storms
3	70	3	1	no storms	28	70	4	2	no storms
4	70	10	1	no storms	29	70	3	1	no storms
5	69	4	1	no storms	30	69	4	1	no storms
6	69	5	2	no storms	1/31	69	3	2	no storms
7	69	4	1	no storms	2/ 1	69	8	2	no storms
8	69	2	1	no storms	2	70	2	1	no storms
9	69	3	1	no storms	3	69	1	1	no storms
10	70	4	1	no storms	4	69	3	3	no storms
11	71	2	1	no storms	5	70	15	2	no storms
12	70	2	0	no storms	6	70	7	2	no storms
13	69	0	0	no storms	7	70	2	2	no storms
14	71	2	1	no storms	8	71	2	0	no storms
15	71	7	1	no storms	9	71	0	0	no storms
16	71	7	3	no storms	10	71	0	0	no storms
17	71	2	1	no storms	11	68	2	1	no storms
18	72	4	2	no storms	12	70	4	2	no storms
19	71	2	1	no storms	13	70	2	0	no storms
20	71	10	2	no storms	14	70	2	1	no storms
21	70	3	1	no storms	15	70	18	3	no storms
22	69	3	1	no storms	16	70	10	2	no storms
23	69	1	1	no storms	17	70	3	1	no storms
24	70	1	1	no storms	18	71	1	1	no storms
25	69	1	1	no storms	19	70	2	1	no storms

Date	Flux	A	K	Space Wx	Date	Flux	A	K	Space Wx
20	69	1	0	no storms	10	72	3	1	no storms
21	69	3	3	no storms	11	72	4	1	no storms
22	71	3	1	no storms	12	74	1	1	no storms
23	70	5	1	no storms	13	74	1	1	no storms
24	71	4	2	no storms	14	74	6	2	no storms
25	71	7	1	no storms	15	74	0	0	no storms
26	71	3	1	no storms	16	74	4	2	no storms
27	70	2	1	no storms	17	74	1	1	no storms
2/28	69	9	1	no storms	18	73	2	2	no storms
3/ 1	71	5	1	no storms	19	73	2	1	no storms
2	71	5	1	no storms	20	72	4	1	no storms
3	69	0	0	no storms	21	72	2	1	no storms
4	69	5	2	no storms	22	72	3	1	no storms
5	70	7	2	no storms	23	70	3	2	no storms
6	69	2	0	no storms	24	69	3	1	no storms
7	69	1	1	no storms	25	69	2	0	no storms
8	69	1	0	no storms	26	68	2	0	no storms
9	69	7	1	no storms	27	67	2	0	no storms
10	68	0	0	no storms	28	68	8	0	no storms
11	69	2	1	no storms	29	68	4	1	no storms
12	69	2	2	no storms	30	69	3	1	no storms
13	69	7	3	no storms	5/31	69	1	0	no storms
14	68	17	2	minor	6/ 1	73	2	0	no storms
15	69	8	2	no storms	2	72	1	1	no storms
16	68	10	1	no storms	3	73	3	1	no storms
17	69	5	0	no storms	4	71	4	1	no storms
18	69	3	1	no storms	5	70	6	1	no storms
19	68	1	1	no storms	6	69	3	1	no storms
20	69	4	2	no storms	7	69	4	2	no storms
21	69	5	2	no storms	8	69	3	1	no storms
22	70	7	2	no storms	9	69	2	2	no storms
23	69	4	1	no storms	10	69	3	1	no storms
24	68	3	1	no storms	11	69	1	1	no storms
25	69	8	2	no storms	12	69	1	0	no storms
26	69	13	1	no storms	13	68	3	1	no storms
27	69	9	1	no storms	14	68	6	2	no storms
28	72	3	2	no storms	15	67	3	1	no storms
29	71	2	1	no storms	16	68	3	1	no storms
30	71	3	1	no storms	17	68	1	1	no storms
3/31	71	5	1	no storms	18	68	3	1	no storms
4/ 1	71	3	1	no storms	19	67	0	0	no storms
2	71	3	1	no storms	20	67	5	2	no storms
3	71	1	0	no storms	21	67	7	1	no storms
4	71	1	2	no storms	22	68	2	1	no storms
5	70	1	1	no storms	23	68	3	3	no storms
6	70	3	1	no storms	24	67	18	3	minor
4/ 7	69	3	1	no storms	25	68	7	3	no storms
4/22	71	5	1	no storms	26	67	2	2	no storms
23	71	4	2	no storms	27	67	5	2	no storms
24	71	1	0	no storms	28	67	12	3	no storms
25	70	5	2	no storms	29	69	12	1	no storms
26	69	2	1	no storms	6/30	68	8	1	no storms
27	69	2	2	no storms	7/ 1	68	8	2	no storms
28	68	3	1	no storms	2	67	2	2	no storms
29	69	2	1	no storms	3	67	2	1	no storms
4/30	70	3	1	no storms	4	71	2	1	no storms
5/ 1	69	3	1	no storms	5	72	4	2	no storms
2	68	3	1	no storms	6	70	3	1	no storms
3	69	3	1	no storms	7	71	4	2	no storms
4	68	3	0	no storms	8	71	5	1	no storms
5	68	2	2	no storms	9	69	5	3	no storms
6	69	6	2	no storms	10	68	7	2	no storms
7	70	8	3	no storms	11	68	2	2	no storms
8	71	13	2	no storms	12	68	4	2	no storms
9	72	7	2	no storms	13	67	8	3	no storms



# ***IT'S ALLENTOWN IN 2009!***

**Friday September 4 – 6**

This year's joint NRC-WTFDA Convention will be held in the Lehigh Valley of Pennsylvania, in Allentown, with members of WTFDA joining NRC members, too! Besides the regular events such as the auction, banquet, and quiz, the AAA Lehigh Valley Ironpigs minor league baseball team will be in town, in their last homestand of the season. It will be held at the Rodeway Inn 1151 Bulldog Drive, Allentown, PA 18104. This hotel is conveniently located near Rts. 22, 309, and the Northeast Extension of the PA Turnpike. It is also close to the Lehigh Valley International Airport.

- 1). To reserve your room call the Rodeway Inn at 1-888-395-5200. Make sure to mention you are with the National Radio Club for the \$69 rate (before Taxes). Up to 4 people can stay in the room. You can get 1 king bed or 2 double beds. The website for the motel is [www.rodewayinnallentown.com](http://www.rodewayinnallentown.com). This motel was formerly known as the Days Inn Conference Center.
- 2). Convention registration is \$45. Check is payable to "National Radio Club" and mail it to Bob Smolarek at 31 Mark Drive, High Bridge, NJ 08829
- 3). Send any auction items to 31 Mark Drive, High Bridge, NJ 08829
4. More details to follow concerning tower hunting, tours, and a guest speaker. So be in Allentown this Labor Day!



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