

DXN News

• Serving DX'ers since 1933 •

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From the Publisher ... A full slate of activities is on tap for Rochester 2010, the joint NRC/WTFDA Convention. See p. 22-23 for more. Also, it's not too early to think about the 2011 convention; contact Ernest J. Wesolowski -13312 Westwood Lane - Omaha, NE 68144-3543 or neerniew@hotmail.com to make a formal bid.

From several sources came news of the untimely death of former NRC Member Mike Collins, 63, on June 17. He had most recently managed several radio stations in Connecticut.

DX GTG ... The 17th annual Madison-Milwaukee Get-Together will take place on Saturday, August 21, beginning at 1 p.m. This year the event returns to the Milwaukee area, hosted by Tim Noonan and his family in south suburban Oak Creek. It is an all-band event, and anyone interested in the radio hobby is welcome. For more information, contact Tim at DXing2@aol.com or 414 762-2702.

DXChange ... "As of this past November at the age of 90 years, his health has necessitated Harley Steward of Erie Pennsylvania to enter the Erie Soldier's and Sailor Home where he is in happy residence and still DX-ing on a small radio. He is selling his radio tubes, equipment and DX radios.

He would like to have another hobbyist have the chance to buy his treasured items." Anyone interested can contact Janet Steward Thompson at 716-484-0058 or email budjanet@windstream.net

Unfilled positions ... We're in need of volunteers for the following positions: an Internet web guru, to manage and update www.nrcdxas.org; a new DXN publisher to force me into retirement; 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	
29.	Aug. 6	Aug. 16	30. Sept. 17	Sept. 27

DX Time Machine

From the pages of DX News

50 years ago ... from the July 22, 1960 DXN: Glen Kippel, Tulia, TX noted that Fair Radio Sales in Lima, Ohio, had RCA AR28's going for \$185.

25 years ago ... from the July 15, 1985 DXN: Richard Wood, Hilo HI reported hearing R. Mozambique-1008 on Jun 6, 0445, his first East African.

10 years ago ... from the July 17, 2000 DXN: Mark Connelly, DX'ing from West Yarmouth, MA, managed to pull in VOA Kuwait-1548 with CBE-1550 phased on June 10 at 0159.

NRC AM Radio Log, 31st Edition

Now taking pre-orders for early-September delivery - same prices as last year's Log!

The NRC AM Radio Log is unbound and three-hole punched for standard binders. Media Rate: \$19.95 to U. S. NRC members; \$25.95 to U. S. non-members; to Canadian members, \$24.00 (\$33.50 to non-members); add \$3.50 for Priority Mail. Airmail to all outside of USA/Canada: \$33.00. Canadian orders: PayPal or postal M. O. only. Order from: NRC Publications

- P.O. Box 473251, Aurora CO - 80047-3251, or via www.nrcdxas.org. (CO residents, please add 3.5% sales tax.)





AM Switch

Bill Hale w_r_hale@sbcglobal.net
6124 Roaring Springs Drive
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>
670	WPMH	VA	Claremont	WRJR
1010	WRJR	VA	Portsmouth	WPMH
1050	WTOP	MD	Silver Spring	WBQH
1190	WJZD	MS	Bay St. Louis	WMEJ
1400	NEW	UT	Vernal	KRAM
1460	WZNZ	FL	Jacksonville	WQOP
1590	KMBD	OR	Tillamook	KTIL
1600	WQOP	FL	Atlantic Beach	WZNZ

Queen of Peace Radio
1460-AM WQOP & 1600-AM WZNZ

CPs ON THE AIR

540	KMLB	LA	Monroe - Licensed for U4 5000/1000, KMLB has a Construction Permit (CP) for U1 4000/26 from a new transmitter site. This action extends KMLB's Special Temporary Authorization to operate with U1 1500/65, as they have since June 2009, as they continue work on the new site. This temporary site, located at 32-33-10/92-04-28, is the tower they used when the station was on 1440 kHz (per the application). The justification is "America's economic downturn", so it may be a while before the new CP takes to the air.
540	WXYG	MN	Sauk Rapids - Reported to be on the air and testing with Rock music and using the slogan <i>I-101</i> (Eye One-oh-one). As of our deadline, there is no indication on the FCC website that WXYG has received the go-ahead to regularly operate. Their license is for U4 250/250, sharing the antenna site with co-owned WMIN-1010 at 45-36-18/94-08-21. The day pattern, from four towers, sends a major lobe to the east with a small lobe to the west. The night pattern, from three towers, is a circular lobe to the southwest.
620	WTRP	GA	La Grange - Licensed for U1 2500/127, WTRP is operating under a Special Temporary Authorization (STA) with U1 1500/127 from the remaining 199' of their damaged tower. They are also pursuing re-locating their transmitter to a new location.
630	WREY	MN	St. Paul - CP for U4 2300/2300 is now on, after moving to, and sharing four of the five WCTS-1030 towers at 40-52-01/92-54-02. Although the FCC considers the facility to be "DA2", both day and night patterns are identical, being a teardrop directed to the northwest.
860	KTRB	CA	San Francisco - Their CP for U2 50000/50000 is now on, changing from U4. The day signal emanates from the KFAX-1100 #3 tower at 37-37-57/122-07-47 at Hayward, while the night pattern continues from their original night site at 37-35-34/121-46-27.
1160	KCTO	MO	Cleveland - Their CP for U4 5000/230 is now on the air. The new day pattern is essentially identical to the old one (tear drop to the north-northeast), only larger.
1230	KYSM	MN	Mankato - Is now on the air from a new tower at 44-10-06/93-54-39, as they remain U1 1000/1000.
1230	WVNT	WV	Parkersburg - Is now on with U1 880/880 after moving to the tower of WADC-1050 at 39-15-29/81-33-49. Since the 1050 tower is taller than the former 1230 facility, WVNT is required to reduce their daytime power from the previous 1000 to 880 Watts in order to cover the same theoretical area.
1240	KRJY	CA	Sacramento - After losing their transmitter site, KRJY is now operating under an STA with U1 250/250 from a 200' long wire 20' off the ground at 38-31-43/121-33-14. The theoretical pattern from this wire is a figure-8 with lobes to the north-northeast and south-southwest.
1270	WQKR	TN	Portland - Is operating under an STA with U4 500/29 (their new licensed facilities) at 36-36-39/86-34-56 (their new transmitter location) awaiting FCC approval. The original Proof-of-Performance was submitted in an incorrect

format and was denied by the FCC. They have re-submitted the paperwork in correctly and have asked for approval based upon this information.

- 1490 WSFB GA **Quitman** - After losing the lease on their tower location and currently operating under an **STA with U1 165/165** from a long wire, **WSFB has completed the move to a new (existing) tower at 30-48-47/83-31-14 and returned to its licensed power levels of U1 1000/1000.**
- 1510 KPIG CA **Piedmont** - CP for U4 8000/2400 is on the air. KPIG's new night pattern directs all of the signal due west.
- 1510 KGA WA **Spokane** - CP for U4 50000/15000 is on the air. KGA added a fourth tower (using 2-daytime; 4-nighttime) to their array and downgraded from Class A (U4 50000/50000) to Class B in order to allow co-owned KPIG (see above) to upgrade. KGA's new night pattern directs the signal to the northwest.

GRANTS FOR NEW STATIONS

- 1310 NEW CA **Bakersfield** - CP granted for U4 1400/2500 from a new 3-tower array at 35-21-53/118-51-23. The day pattern is a virtual circle based at Bakersfield and directed to the southwest, while the majority of the night signal is directed to the southwest, with smaller lobes headed north-northwest, northeast and southeast.
- 1330 NEW CA **Porterville** - CP granted for U4 1500/500 from a new 4-tower array (using all four day and night) at 35-59-26/119-06-36. The day pattern throws all of the signal to the east-northeast, while the night pattern consists of a large lobe to the northeast and a smaller lobe to the west-southwest.

ACTIONS

- 550 WAME NC **Statesville** - Coordinate correction to 35-47-36/80-51-15.
- 600 WBWL FL **Jacksonville** - CP granted for U2 5000/1800. WBWL lost two of its original five towers to age and subsequent deterioration about two years ago. They elected to not replace them to return to their original U2 5000/5000 power levels. Now, they've re-structured the nighttime signal from the three remaining towers. The new pattern is an eastbound circle anchored at Jacksonville, with minor lobes to the south, west and north.



- 930 KNSA AK **Unalakleet** - CP granted for U1 4200/4200 along with a coordinate correction to 63-53-16/160-41-28.
- 1090 KULF TX **Bellville** - CP granted for D4 1000/0 CH 1000 at 29-56-05/96-06-47. They continue to operate under an **STA with D1 131/0 CH 131** using a folded unipole antenna mounted on a self-supported 110-foot trailer-mounted tower.
- 1150 WWLE NY **Cornwall** - CP granted for U4 2500/500 moving from 1170 kHz. They will be adding two new towers at their current site to allow the power increase using four during the day and three at night. The new day pattern will send the signal in a balloon-shape to the northeast, while the night pattern sends a major lobe to the southeast, with minor lobes to the west-southwest, northwest and northeast.
- 1230 KSLO LA **Opelousas** - Coordinate correction to 30-31-30/92-06-22.
- 1280 KSOK KS **Arkansas City** - Licensed for U1 1000/100, KSOK applied for U1 1000/100 CH 500. That application has been dismissed at the request of the licensee, but now they have submitted a coordinate correction to 37-05-10/97-01-58 as they remain U1 1000/100.
- 1290 WWHM SC **Sumter** - Coordinate correction to 33-55-26/80-17-12.
- 1320 WLOH OH **Lancaster** - Coordinate correction to 39-42-13/82-33-13.
- 1340 KRLV NV **Las Vegas** - CP granted for U1 1000/900, moving to the tower of co-owned KLAV-1230 at 36-12-52/115-09-18.
- 1360 WVMC IL **Mount Carmel** - From last Issue, in a nutshell: Having had their license cancelled, WVMC filed for reinstatement. This Issue: Their Application for License reinstatement has been accepted, and an **STA for U1 500/20 has been granted**. So . . . WVMC is not only back on the air, but they are now full time (vs being a daytimer). A phone call confirmed their 'on-the-air' status. But the guy I spoke to wasn't very friendly!
- 1360 KNGN NE **McCook** - CP granted to move to a new 180' tower at 40-13-20/100-41-37 as they remain D1 1000/0.

- 1370 WVIE MD **Pikeville - CP granted for U4 50000/24000**, increasing their nighttime power. The night pattern remains the same shape and orientation (to the southeast), but increases in size. WVIE remains a 2-site operation.
- 1390 WLAN PA **Lancaster - CP granted for U1 1100/18**, moving to the nearby tower of WLPA-1490 at 40-03-38/76-18-59.
- 1450 CHOR BC **Summerland - CP granted to move to 98.5 MHz with 20 Watts at 348 metres.**
- 1470 WMBD IL **Peoria - As of June 8, WMBD was operating under an STA of U1 3800/1250** in order to repair lightning damage to the tower lighting equipment and to facilitate the re-painting of tower #1. The work was expected to be finished by the first week of July, but as of our deadline, they had not filed to return to their **licensed U4 5000/5000**. Their normal night pattern is directed to the northwest, so DXers in all the other directions may want to try for them.
- 1490 WDEP PR **Ponce - CP granted for U1 5000/1400** moving to a new transmitter site at 17-59-29/66-37-24.
- 1550 KESJ MO **St. Joseph - CP granted for U2 2500/500**, moving to the site of co-owned KFEQ-680 at 39-49-39/94-48-39. KESJ will build four new towers interspersed between two of KFEQ's four existing towers. KESJ's new night signal will be a teardrop pattern directed to the northwest.
- 1580 KKKK CO **Colorado Springs - CP granted to increase their nighttime power as U1 10000/140.**

AMENDMENTS TO CONSTRUCTION PERMITS

- 560 WQAM FL **Miami - Last issue we reported that WQAM had been granted a CP for U4 50000/25000**, co-locating its transmitter with that of WAXY-790. They have now applied to alter the CP to U4 30000/25000 and eliminate a lobe that didn't cover anything except Alligator Alley to the west.
- 670 WVVT VT **Essex Junction - This unbuilt station has a CP for U7 50000/300 CH 20000.** This amendment requests U7 15000/260 CH 11000.
- 1320 KCTC CA **West Sacramento - Licensed as a two-site operation with U4 5000/5000 at Sacramento**, KCTC has a **CP moving here with U4 5000/500** consolidating the operations at the day site. This amendment requests that they revert to U4 5000/5000 at the original two sites, but with the City-of-License at West Sacramento.
- 1340 KVGC CA **Jackson - This new, unbuilt station, has a CP for U1 270/1000.** This request is for U1 440/210.

APPLICATIONS

- 720 WGCR NC **Pisgah Forest - Applies for D1 50000/0 CH 15000.**
- 1120 KEOR OK **Catoosa - Applies for D4 10000/0 CH 7000.**
- 1210 KUNF UT **Washington - Applies for U1 10000/231.**
- 1240 CKDR-6 ON **Atikokan - This 50-Watt repeater station has applied to change from being a relay of CKDR-3-FM Sioux Outlook to become a relay of CFOB-FM Fort Frances.** The mayor of Atikokan Township and the head of the Atikokan Economic Development Corporation submitted letters stating their preference to hear programming from Fort Frances rather than Dryden on their station. Atikokan and Fort Frances are located in the same provincial district, school district, and federal riding. And Atikokan is closer to Fort Frances than Dryden.
- 1290 WWHM SC **Sumter - Licensed for U2 1000/1000**, and having operated under an STA of U1 1000/250 since February 2006 due to problems with the ground system, WWHM is now requesting to go to U1 1000/12 on a permanent basis.
- 1340 KWVR OR **Enterprise - Applies to move to a new tower while remaining U1 1000/1000.**
- 1350 KDZA CP **Pueblo - Applies for U1 1300/150** moving to the #2 tower of co-owned KCSJ-590's 3-tower array. Since this tower is more than twice the height of the one currently used, KDZA is forced to reduce its power levels from their **licensed U1 5000/280.**
- 1550 KMAD OK **Madill - Applies to move to a new transmitter site while remaining U1 250/90.**
- 1660 KRZI TX **Waco - Applies to move to a new transmitter site while remaining U1**

10000/1000.

AMENDMENTS TO APPLICATIONS

- 690 WIST LA **New Orleans - Licensed for U4 10000/5000**, KIST applied for U2 8000/2500. That application has been replaced by one for U2 9300/2500.
- 1280 KYRO MO **Potosi - Licensed for U1 500/84**, KYRO applied for U1 1000/70 moving to Troy. This amendment requests U1 660/70, again moving to Troy.
- 1320 KSDT CA **Hemet - Licensed for U4 500/300**, KSDT initially applied for U4 230/400 moving to Redlands, then amended the application to U4 230/285 at Redlands. Now they have submitted another amendment requesting U4 250/410 at Loma Linda.
- 1390 WOHS NC **Shelby - Licensed for U2 1000/500**, WOHS applied for U1 1400/16. This amendment requests U1 700/16.

AM on FM

- 590 WAFC FL **Okeechobee - WAFC-FM (106.1) Okeechobee**
- 920 KFLB TX **Odessa - K269FG (101.7) Odessa**
- 980 WBZK SC **York - W289BO (105.7) Rock Hill**
- 1010 KIND KS **Elk City - KIND-FM (94.9) Elk City**
- 1110 KGFL AR **Clinton - K237DT (95.3) Clinton**
- 1230 WAYX GA **Waycross - W242BE (96.3) Waycross**
- 1230 KYSM MN **Mankato - KXLP (94.1) Vernon Center**
- 1240 KWAK AR **Stuttgart - K274BX (102.7) Stuttgart**
- 1240 WPAX GA **Thomasville - W279BD (103.7) Thomasville**
- 1300 KACI OR **The Dalles - K280FJ (103.9) The Dalles**
- 1460 KCLE TX **Burleson - K226BM (93.1) Cleburne**
- 1510 KIFG IA **Iowa Falls - KIFG-FM (95.3) Iowa Falls**
- 1600 KYBC AZ **Cottonwood - K265BU (100.9) Cottonwood**

APPLICATIONS FOR NEW STATIONS

- 1100 NEW OR **Lebanon - Applies for U4 5000/5000.**
- 1120 NEW NM **Peralta - Applies for U7 50000/250 CH 28000.** Peralta is about 20 miles south of Albuquerque east of I-25 (near Bosque Farms).
- 1360 NEW AK **Tyonek - Applies for U1 10000/10000.** Tyonek is located about 35 miles west of Anchorage.
- 1580 NEW MT **Lolo - Applies for U2 10000/1000.** Lolo is located about 5 miles south-southwest of Missoula.

DISMISSALS

- 960 KOVO UT **Provo - CP for U4 50000/940 moving to Bluffdale.**
- 1100 KFAX CA **San Francisco - Application for U4 50000/50000.** They remain U3 as day and night patterns are identical.
- 1190 KQQZ MO **University City - Licensed for U4 10000/22 at Desoto, KQQZ had a CP for U4 10000/6500 moving here.** This CP has been dismissed leaving them with an application for U4 10000/650 CH 1000 moving to Fairview Heights, Illinois.
- 1450 WCTC NJ **New Brunswick - Application for U1 1000/1000.**
- 1460 WJTI WI **West Allis - Application to change their City-of-License to Milwaukee.**
- 1510 KLLB UT **West Jordan - CP for D1 10000/0 CH 840.**
- 1530 NEW MS **Petal - Their CP for U7 50000/250 CH 20000 has been deleted and replaced by an application for U2 3000/250 CH 3000.**

DISMISSALS

- 1320 NEW OR **Merlin - Application for a new station**
- 1370 KHNY WY **Big Horn - This unbuilt station has a CP for U2 10000/250.** They applied to move to Huntley, Montana with U2 10000/430. The application has been dismissed.
- 1380 KOSS CA **Lancaster - Construction Permit for U4 1000/11 moving to Rosamond.** KOSS remains U5 1000/20.
- 1520 NEW OR **Merlin - Application for a new station**

HEAR AND THAR

◆ **Returning to the airwaves:** **WZMF-730 Nanticoke, Pennsylvania** returns as *GEM FM* oldies, // **WGMF-1460 Tunkhannock** and its network of FM translators; **WYFN-980 Nashville, Tennessee** is back with Religious Teaching after being off due to flood damage; **WAGE-1200 Leesburg, Virginia** heard testing with music; suspect this is to keep the license alive; **WDNT-1280 Dayton, Tennessee** returns with Oldies; **WITM-1330 Marion, Virginia** returns to the air with Black Gospel as *Rejoice 1330*;

☒ **Reported as Silent:** **WSJC-810 Magee, Mississippi**; **WPF-850 Fairview, Tennessee**; **WHWH-1350 Princeton, New Jersey**; **WLAY-1450 Muscle Shoals, Alabama**; **WOWZ-1290 Appomattox, Virginia**; **WWNH-1340 Madbury, New Hampshire**; **WKC-1350 Corinth, Mississippi**; **WNG-1410 Mobile, Alabama**; **WVOT-1420 Wilson, North Carolina**; **KFCR-1490 Custer, South Dakota** is off the air and has filed for an STA to remain silent, claiming: "the station has encountered technical problems which cannot be corrected at this time"; **WVNA-1590 Tuscumbia, Alabama**;

◆ **The licenses for both CINF-690 and CINW-940 Montreal**, which have been silent since late January, have been formally revoked by the CRTC. Thus ends the saga of the world's oldest station, CINW, which started as XWA in 1919. For most of its life it was CFCF.

◆ **News Item:** After starting up about ten years ago, it appears that the L-band Eureka-147 Digital Audio Broadcasting (DAB) system is ending in Canada. Last week, CBC notified Industry Canada that it was shutting down its DAB transmitters. CBC Vancouver engineering says that there were two transmitters operating locally, one at Metrotown in Burnaby, which has been shut down for about six months, and the other on Mount Seymour, which will be turned off soon. Licenses also were issued to many private broadcasters, but many failed to get on the air.

◆ **Fines:** **WFHK-1430 Pell City, Alabama** has had its initial fine of \$7000 reduced to \$5600. The station pleaded that in order to pay the fine they would have to take out a loan, and stated that the station had a previous good record of compliance. The FCC backed down by \$1400. **WPID-1280 Piedmont, Alabama** has had its initial fine of \$7000 for late renewal filing and subsequent unauthorized operation reduced to \$1,100 as it was determined that the violation was not deliberate.

◆ Thanks to **Shawn Axelrod, Wayne Heinen, Deane McIntyre and Dave Schmidt**.

Domestic DX Digest

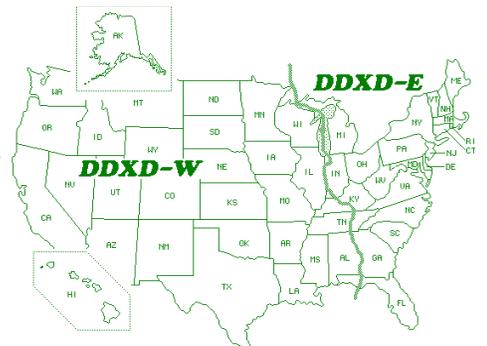
West: Jim Tedford Radio_Enthusiast@hotmail.com

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

Happy summer. Hope you are enjoying (or at least tolerating) the warm summer days and static-filled nights. Although we were slow to get going, even the Pacific Northwest is turning a toasty golden brown.

Reporters

DP-HI Dale Park, Honolulu, HI

JW-CO John Wilkins, Wheat Ridge, CO Drake R-8, 4-foot box loop.

RV-TX Robert Vance, El Paso, TX WinRadio G303e/PD, 115 ft amplified temp random wire, 3 sq meter amplified air loop

SMA-MB Shawn M. Axelrod VE4DX1SMA Winnipeg MB Icom ICR-70 / Drake R8; 4 foot unamplified box loop/Quantum Loop/155 foot outdoor wire/100 foot indoor wire/MFJ 1026 phasing unit.

TRH-CA/NV Tim Hall DXing on the road with Toyota Car Radio

TRH-CA1 Tim Hall Near Benton Hot Springs, CA ICF-2010, Radio West Loop, mini-beverages approx. 740 ft. E, 700 ft. ESE and 675 ft. SE (broken at 535 ft. at some point).

Station News

1090 KBOZ MT Bozeman Per its Twitter page, stn dropped Sean Hannity after 6/18 and added Citadel's Bob Brinker 6/20 at 1706 and Don Imus 6/21 weekdays at 1206-1500. However this new sked is not mentioned on the stn's webpage.

Also, sister stn KOB-1230 is now known as "KBOZ ESPN 12-30" per company webpage. **(DP-HI)**

DX Logs (All Times ELT)

- 1070 KLIO KS **Wichita** 06/18 2225. Poor signals in noise but clear enough to copy the oldies music and ID. New calls and format here. Finally a new station here. It has been weeks since something new popped up. Must be summer time conditions come early to Canada. **(SA-MB)**
- 1120 KANN UT **Roy** 6/21 0800. Modern Christian music; ID by man at 08:01:45: "This is Christian Radio for the Wasatch Front, AM 1120 KANN Roy"; a bake sale notice and a couple of more ads were followed by more music. Good signal with a bit of fading. **(JW-CO)**
- 1450 KEYY UT **Provo** 7/7 0759. Plea to support Christian programs with donations; legal ID a few seconds prior to 0800; soon lost to ESPN and others. **(JW-CO)**
- 1490 KBST TX **Big Spring** 5/31, 2158; Up with ad for Rush Limbaugh Show "...weekdays at 11 on KBST."; then gone. XECJC-Juarez phased. **(RV-TX)**
- 1490 KZZN TX **Littlefield** 5/31, 2335; Ads by YL for Covenant Hospital-Levelland (894-4963) and Hockley County Farm Bureau Insurance (894-3333). Dual ID // -KLVT-1230 then into CWM. Typical GY quality - fair-to-good when you hear it and inaudible in mess otherwise. XECJC-Juarez phased. **(RV-TX)**
- 1490 KZZZ AZ **Bullhead City** 6/1, 0457; Heard at end of local anmt "...here on Bullhead City's KZZZ." Typical GY signal, XECJC-Juarez phased. **(RV-TX)**
- 1490 KRUI NM **Ruidoso Downs** 6/1, 0600; "You'll hear about it on...(a few words unintelligible)...AM 1490 KRUI, depend on it." into ABC Nx. **(RV-TX)**
- 1500 KSTP MN **St. Paul** 6/9, 2300; Fading up and jousting with XEDF-Mexico City, "1500 ESPN". **(RV-TX)**
- 1510 KCKK CO **Littleton** 6/13, 2150; Mixing with KMND-Midland with Sporting News Radio. "...Mile-High Sports Radio 1510, KCKK, Littleton-Denver.". Adjacent-channel XEJCC-Cd. Juarez phased. **(RV-TX)**
- 1510 KMND TX **Midland** 6/13, 2150; Mixing with KCKK-Littleton with Lakers-Celtics game over ESPN. TOH ID by YL "ESPN Sports Radio 1510 KMND Midland-Odesa". Adj-ch XEJCC-Cd. Juarez phased. **(RV-TX)**
- 1510 KFNN AZ **Mesa** 6/17, 2203 Mixing w / KCKK-Littleton, CO with promo for The Real Estate Power Hour program "...right here on KFNN.." **(RV-TX)**

TIS / HAR Stations

- 530 TIS CA **Beale AFB** 6/13 1500 TIS noted with short tape loop as we drove through Grass Valley. **(TRH-CA)**
- 530 WNHV296 CA **Los Angeles** 6/18 0711 This was the only station audible on 530 while we were in this area. **(TRH-CA1)**
- 530 WPLX255NV **Incline Village-Sand Harbor** 6/14 1700 NV DoT station with very distorted audio. Seemed to be the same message broadcast on the 530 in Reno/Sparks, but there seemed to be another transmitter in this area. **(TRH-NV)**
- 530 WPVQ743 CA **Mariposa** 6/12 1700 CalTrans TIS/HAR for Yosemite area with message for motorists on CA-140 and CA-120 (Tioga Pass). Same info running on Merced station on 1610. **(TRH-CA)**
- 530 WPVQ900 CA **Willow Springs** 6/12 1830 CalTrans Tuolumne Co. TIS/HAR with information for motorists on CA-108, which is a CHP safety corridor. Same message running on WPVQ742-1610. **(TRH-CA)**
- 530 WPXK223 NV **Fernley** 6/17 1445 NV DoT station was not on when we drove through this area. **(TRH-NV)**
- 530 WQGH873 CA **Jackson** 6/12 1930 County TIS was not on when we drove through town. No signs noted. **(TRH-CA)**
- 530 HAR NV **Reno-Sparks** 6/14 2100 NV DoT station with information on road conditions. Gets out well. Appears to be in the Reno-Sparks area, as opposed to Carson City. **(TRH-NV)**
- 620 (HAR) CA **Thousand Oaks**. 6/9 1600 Sign noted for a station here, but it was not on. **(TRH-CA)**
- 1040 WQFI350 CA **(near) Santa Barbara** 6/9 1838 TIS for San Marcos Pass noted with good signals along CA-154 all through the pass. Chatty announcer with weather and community information. **(TRH-CA)**

- 1150 WQJR971 NV **Reno** 6/14 1900 Washoe County TIS with recycling information. (TRH-NV)
- 1610 KMC732 CA **Manzanar NHS** 6/20 1500 Station was off. US 395 is under construction in this area and it was difficult to tell if the monument was open. (TRH-CA)
- 1610 KNEC996 CA **San Luis Obispo** 6/9 2030 TIS announced that it was operated by the University Police for Cal Poly San Luis Obispo, but tape loop used these calls, which have been associated with CalTrans mobile stations for about 20 years. FCC database lists licensed calls as WQIP267. (TRH-CA)
- 1610 KNEU564 CA **Truckee** 6/14 1430 "Tune to AM 1610 when flashing" signs were flashing but no station was noted. (TRH-CA)
- 1610 KOJ723 UT **Virgin-LaVerkin** 6/17 2355 Zion NP TIS giving information about road construction on UT-9 west of the park, and escort service required for large vehicles going through the log tunnel in the park. This one has got out well for years now. (TRH-CA1)
- 1610 WPFK508 CA **Chilcoot** 6/14 xxxx I am guessing this "super-TIS" station is currently silent as it was not noted any of the nights we were in the Reno-Tahoe-Sierraville areas. (TRH-CA)
- 1610 WPJM982 NV **Reno** 6/14-6/17 Airport station was off the 3 days we were in town. Nothing noted on 1630 either. (TRH-NV)
- 1610 WPSE479 CA **Needles** 6/17 2233 CalTrans HAR still playing the wrong message loop: "This is WPFK505, Banning, operating on 620 kHz." Nightly pest all 3 nights, especially on the SE wire. (TRH-CA1)
- 1610 WPVQ733 CA **Merced** 6/12 1500 CalTrans TIS/HAR for Yosemite area with message for motorists on CA-140 and CA-120 (same as WPZQ743-530 Mariposa) with information on Yosemite Area Rapid Transit System (YARTS). This is the station that gets out well and includes phone numbers in the 209 area code (209-388-9589 and 209-???-0200). It appears to be the station I have most commonly logged from home in the past. (TRH-CA) 6/18 0845 Also noted briefly from the other side of the Sierras with same loop (TRH-CA1)
- 1610 WPVQ742 CA **Jamestown** 6/12 1800 CalTrans Tuolumne Co. TIS/HAR with information for motorists on CA-108, which is a CHP safety corridor. Same message running on WPVQ900-530. (TRH-CA)
- 1610 WPXB746 CA **Angels Camp** 6/12 1900 CalTrans Calaveras Co. TIS/HAR with information for motorists on CA-4 through Ebbett Pass. (TRH-CA)
- 1610 WPXK767 NV **Carlin, Dunphy or Lamoille** 6/17 2220 NV DoT station with automated male voice giving road conditions for I-80, NV-225 and other roads. This was a nightly pest as well as being audible for an hour before sunset and after sunrise. (TRH-CA1)
- 1610 WQIQ379 CA **Temecula** 6/20 1800 City TIS is still on the air. (TRH-CA)
- 1610 WQIX414 CA **Ojai** 6/18 2254 City of Ojai TIS/emergency info station with male announcer. Mentioned web site www.ci.ojai.ca.gov, phone number __7-1414. Over 200 miles away. (TRH-CA1)
- 1610 WQJY863 CA **Groveland** 6/12 1815 Sign for CalTrans TIS/HAR at intersection of CA-49 and CA-120, but no station noted. If this station were on, it would likely be running the same message as WPZQ733 Merced. (TRH-CA)
- 1610 HAR CA **Santa Barbara** 6/9 1830 US-101 construction information, no call sign given. (TRH-CA)
- 1640 WQKG940 CA **Murrieta Hot Springs** 6/20 1800 City TIS is not getting out as well as it used to. (TRH-CA)
- 1670 KNIG427 CA **Placerville** 6/12-6/13 No station noted while were in town. No signs on CA-49. (TRH-CA)
- 1700 WPXY385 CA **Truckee** 6/14 1440 North Star resort TIS moved from 1680 with information about where to find things on the resort property. (TRH-CA)

Otherness

On his road trip, **Tim Hall** notes no activity on several construction permit frequencies, nor any sign of transmitter sites: Hawthorne, NV 1060, 1090, 1400, 1450; Bishop, CA 1340, 1490. **John Butler, KF6GNI** from Novato CA reports KYAA 1200 Santa Cruz comes in fairly well, using a shortened "KYA" slogan. (This sort of thing bugs me deeply.)

Take a page out of Tim Hall's book and take a radio with you on your summer vacation. Even if

you aren't going far, there is a lot of interesting TIS/HAR activity, and quirky local stations to be heard. Makes a summer road trip even more fun.

See you next time (JDT-WA)

DDXD-East

REPORTERS

- KK-VA** Kraig Krist, Manassas - NRD-545, Kiwa loop, homemade 134 foot multiband antenna running NW to SE.
- IEN-GA** Ira Elbert New III, Watkinsville - 2003 Isuzu Rodeo in-dash Audio System 4340
- JW-MD** Jim Weber, traveling on Route 695 (Baltimore Beltway) - VW Jetta car radio.
- DY-WV** David Yocis, Shannondale - R8B, longwires, Quantum phaser
- MKB-ON** Mike Brooker, Toronto - Grundig G5, Grundig YB-400PE, Sony SRF-39FP, Panasonic RF-2200 (receiver emeritus)

STATION NEWS

- 1380 CKPC ON** Brantford - was oldies, now "News Country 1380", a mix of all-news (presumably during morning and afternoon drive times) and C&W. (MKB-ON)

TIS/HAR/ "EXPERIMENTAL"

- 1620 ---- MD** Catonsville - 6/7 0450 - "experimental station" formerly on 1580 has taken up residence here for the past couple months. (JW-MD)
- 1630 (TIS) VA** Manassas - 6/23 0055 - mixing with KCJJ, "You are tuned to 16-30 AM Northern Virginia Community College located in Manassas..." into parking and college info. (KK-VA)

LOGGINGS

- 540 WFLF FL** Pine Hills - 6/12 0355 - in mix with Coast to Coast AM, "540 WFLA" ID by man and station promo with local weather: "540 WFLA Orlando's 24 hour... changing...over night...showers...". FCC shows station as WFLF. Website www.540wfla.com. Why do they ID as WFLA? Because FLA is abbreviation for Florida and sounds better than "FLF". (KK-VA) *There actually is a WFLA-970 in Tampa, but apparently not //WFLF-540. Mike*
- 600 WCAO MD** Baltimore - 6/9 0355 - in mix with station promo "WCAO Baltimore one station...nation on 600 on the radio and on the web at ...dot com" into religious song. (KK-VA)
- 620 WHEN NY** Syracuse - 6/8 0355 - sports talk in mix with SS and religious stations, promo for "NBA finals on Fox Sports Radio. Yankees and Orioles tonight at 7:05 on news radio...570 WSYR" (also in Syracuse). (KK-VA)
- 740 WCXZ TN** Harrogate - 7/5 0000 - C&W music, legal ID on the hour, local ads, good with CFZM phase nulled. (DY-WV)
- 850 WKVL TN** Knoxville - 7/1 2045 - decent signal with classic C&W, "...on 850, WKVL." mention. (IEN-GA)
- 1130 WACQ AL** Carrville - 7/1 2023 - Decent signal just above a mix of stations on the frequency with oldies, dual "1130, WACQ, and FM 101.1" ID. (IEN-GA)
- 1320 WAGY NC** Forest City - 7/4 0149 - ads, "Your Country 13-20 WAGY" ID, C&W music, fair with WJAS phase nulled. (DY-WV)
- 1370 WWCB PA** Corry - 6/20 0628 - over usual WSPD/WXXI mix with contest promo by female DJ: "...listen to WWCB 1370 radio to see if you're a winner" into Wilson Pickett's "Mustang Sally". (MKB-ON)
- 1380 WTOB NC** Winston-Salem - 7/4 2223 - Tropical music, somewhat muffled audio when announcer was speaking, but clear "WTOB Winston-Salem" ID in Spanish. Good over presumed WMJR with EWTN Catholic program. (DY-WV)
- 1390 WEED NC** Rocky Mount - 7/6 0005 - Soul oldies, ads, finally two IDs with call letters, fair in mix. Presumed this a couple months with "Old School" slogan as in the NRC Log but no ID then, however that slogan wasn't heard this time. (DY-WV)
- 1410 WPOP CT** Hartford - 7/3 2359 - ESPN Radio, ID, "Hartford's sports leader," good with KQV phase nulled. (DY-WV)
- 1430 WNSW NJ** Newark - 7/4 0259 - Spanish talk about matrimonio, legal ID in EE, fair with



- WPLN, WEIR with CHKT phase nulled. **(DY-WV)**
- 1470 WPLN TN **Madison** – 7/4 0259 – PRI (Public Radio International) program and promo, ID for “NPR 14-30 WPLN Madison,” into BBC news at 0300, good with CHKT phase nulled. **(DY-WV)**
- 1490 WSAN PA **Allentown** – 6/20 0612 – over WNYX with promo for Phillies baseball, slogan “Sports radio AM 1470 the Fox and Fox1470.com”. **(MKB-ON)**
- 1490 WBCB PA **Levittown** – 7/5 0214 – Oldies, “Buck County’s Best, 14-90 WBCB” ID. Good with WSWW, others in mix. **(DY-WV)**
- WSWW WV **Charleston** – 7/5 0214 – ESPN Radio, several Charleston ads, good in mix. **(DY-WV)**
- 1550 CBE ON **Windsor** - 7/2 0055 – in mix with SS station, woman with “CBC Radio One” ID into news, “This is the World” program. **(KK-VA)**
- 1570 WFLR NY **Dundee** - 6/30 0055 – in mix with C&W songs, “... 101.9, 96.9 and 15-70 WFLR Dundee...Glen...” ToH ID into ABC news. **(KK-VA)**
- +++ – 7/4 0405 – Local news, slogan “The Finger Lakes’ news leader, WFLR”, good. Heard again on the evening of 7/5 with C&W music, IDs for FM 96.9 and 101.9 and AM 1570 and “Finger Lakes Country.” **(DY-WV)**
- 1580 WPGY GA **Ellijay** - 6/28 0055 – mixing with CKDO and gospel station with talk show, then out of the mix, “WPGY” ID by woman. **(KK-VA)**
- CKDO ON **Oshawa** - 6/28 0055 – in mix with WPGY, playing oldies including “You’re The One I Want”. “CKDO” jingle into Neil Diamond’s “Sweet Caroline”. “CKDO...Oshawa” ID into home improvement ad. “The greatest rock ‘n roll of all time, CKDO” station promo. **(KK-VA)**
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- 1590 WHLX MI **Marine City** - 6/27 0055 – in WAKR mix with “Walk Away Renee” and other oldies. “WHLS” ID by man. This is WHLX as WHLS-1450 is // to WHLX-1590. **(KK-VA)**
- WAKR OH **Akron** - 6/27 0055 - mixing with WHLX with oldies including “Green Grass of Home” by Tom Jones, “15-90 WAKR...news, sports, oldies” slogan into oldie “He’s a Rebel”. **(KK-VA)**
- WCSL NC **Cherryville** – 7/5 0219 – Gospel music, short religious talk, ID, good over presumed WAKR with Cleveland Indians baseball. **(DY-WV)**
- 1600 WWRL NY **New York** - 6/26 0055 - “Sixteen hundred WWRL” ID by man noted in mix with other talk stations. **(KK-VA)**
- 1610 CHHA ON **Toronto** - 6/25 0055 – in mix with SS talk and songs, ID by man in EE: “You are listening to CHHA 16-10 AM Radio Voces Latinos. Canada’s first ethnic and community radio station. Owned and operated by... studios are located at 22...in Toronto, Ontario, Canada. Postal code is M6B 2N9. Telephone number is 416 278 2953. Email address... and the website address is...” ID then in SS. **(KK-VA)**
- 1630 KCJJ IA **Iowa City** - 6/23 0055 - mixing with NVCC TIS, playing songs including “Unwritten”, station promo “... only 1 will open the door to the KCJJ... summer... mighty 16-30 KCJJ your home for...”. **(KK-VA)**
- 1650 WHKT VA **Portsmouth** – 6/18 0055 – back on air, not Disney anymore after being silent. Now talk with simulcast of WPMH Claremont, VA. Station promos: “... for the best in down home music. Don’t miss ‘Ramblin Ralph Bluegrass Special’ Saturdays at 11 AM on WPMH with Ralph Coleman who is the authority on bluegrass music. ‘Ramblin Ralph Bluegrass Special’ Saturday mornings at 11 AM right here on an 670 WPMH”. “Get the latest news right here on AM 670 WPMH”. OM “Here’s your WHKT, WPMH overnight weather...” into ad for “Big Red Gum”. Into “Dennis Miller Show”. ToH ID: “WPMH and WHKT Portsmouth. This is conservative talk radio ‘Freedom 16-50’” into CBS news. Encore performance of the Brian “Into the Night” show. **(KK-VA)**
- 1660 WQLR MI **Kalamazoo** - 6/17 0055 – in mix with sports talk discussing NBA finals, ID as “Fox Sports Radio 16-60 ‘The Fan’”. **(KK-VA)**
- 1670 WTDY WI **Madison** - 6/16 0055 - mixing with other talk station, man with “WTDY” ID into CBS News. **(KK-VA)**
- 1690 WVON IL **Berwyn** - 6/14 0455 – in mix with station promos: “16-90 WVON...on the ‘Talk of Chicago 16-90 WVON”, “Welcome back to...hour of the Paul...show on ‘The Talk of Chicago 16-90 WVON...”. **(KK-VA)**
- 1700 WEUP AL **Huntsville** - 6/13 0455 - endless Gospel singing with IDs and station promos “WEUP AM... WEUP FM...” “Seventeen hundred WEUP ‘The People’s Station’ “. **(KK-VA)**

International DX Digest

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Foreign DX Catches. All times are UTC

The noise you're hearing isn't from DRM or HD digital. It's the hum of the vuvuzelas at the FIFA World Cup! Now imagine the World Cup of DX taking place in the heat of summer while reading these logs. ¡Gol, gol, gol, DX desde Paraguay, go-o-o-o-o-o-o-l!

Transatlantic DX

- 603 **SPAIN** *RNE5* synchros JUL 8 0210 - Good; talk parallel 855 kHz. [Conti-ME]
612 **MOROCCO** *RTM A*, Sebaa-Aioun (33°54'N 5°23'W) JUL 8 0215 - Good; Arabic drama complete with sound effects, dramatic music, laughing, crying, and yelling. [Conti-ME]
639 **SPAIN** *RNE1* La Coruña et al. JUL 8 0158 - Good, over unID talk; Gloria Gaynor "I Will Survive" bumper music parallel 747 and 774 kHz. [Conti-ME]
756 **GERMANY** *Deutschlandfunk*, Braunschweig & Ravensburg JUL 7 0133 - Good; classical music parallel 1422 and 6190 kHz. [Conti-ME]
783 **MAURITANIA** *R.Mauritanie*, Nouakchott (18°07'N 15°57'W) JUL 7 0254 - Good; presumed with Koran through the hour without a break, no sign of 4845 parallel for positive ID. Normally would expect Syria, but this is well past Syria sunrise. [Conti-ME]
801 **SPAIN** *RNE1* synchros JUL 8 0159 - Good; Gloria Gaynor "I Will Survive" leading up to news, parallel 657, 684, 747, 774, etc. [Conti-ME]
864 **FRANCE** *France Bleu*, Villebon-sur-Yvette (48°41'N 2°14'E) JUL 7 0252 - Excellent; *France Bleu* jingle, adult contemporary vocal. [Conti-ME]
882 **UNITED KINGDOM** *BBC R.Wales*, Washford (51°10'N 3°21'W) JUL 7 0100 - Good; *BBC* ID, time marker, and World Service news. [Conti-ME]
900 **SAUDI ARABIA** *BSKSA* Qurayyat JUL 8 0120 - Presumed with strong open carrier over Spain. [Conti-ME]
900 **SPAIN** *COPE* synchros JUL 8 0059 - Good; instrumental bumper music, "Cadena Cope, servicios informativos" and lead story about World Cup, shouting "¡Gol!" parallel 837 and 999 kHz. [Conti-ME]
909 **UNITED KINGDOM** *BBC Radio 5 Live* synchros JUL 7 0200 - Good, synchro echo; *BBC* Five Live ID and 3 o'clock news. Heard earlier discussing overweight Americans. [Conti-ME]
936 **SPAIN** *RNE5* synchros JUL 8 0100 - Fair; time marker, fanfare into news, parallel 855 kHz. [Conti-ME]
945 **FRANCE** *France Info*, Toulouse (43°21'N 1°20'E) JUL 8 0030 - Good; fanfare, "...France Info, le journal." [Conti-ME]
954 **SPAIN** *Onda Cero*, Madrid JUL 8 0100 - Good; marker and time checks, fanfare, "Noticias de Onda Cero." [Conti-ME]
963 **SPAIN** *R.Euskadi*, Biribilando JUL 7 0200 - Good, especially for 5 kW; time marker, "Radio Euskadi y Radio Vitoria, servicio informativo." [Conti-ME]
972 **SPAIN** *RNE* synchros JUL 8 0100 - Over unID; fanfare into news. [Conti-ME]
981 **ALGERIA** *RTVA Chaîne 2*, Algiers (36°40'N 3°09'E) JUL 8 0029 - Good; contemporary North African music. [Conti-ME]
999 **SPAIN** *COPE* Madrid (40°28'N 3°52'W) JUL 7 0035 - Huge s9+10; in-studio discussion parallel 1143 kHz. [Conti-ME]
1008 **CANARY ISLANDS** *Punto Radio*, Las Palmas JUL 8 0026 - Good; talk about World Cup, then Ricky Martin "Livin' la Vida Loca." Not parallel *SER*, so *Punto Radio* by default. [Conti-ME]
1026 **SPAIN** *SER* synchros JUL 7 0200 - Good; time marker, "Cadena Ser, servicios informativos." JUL 8 0024 - Good; telephone talk parallel 1044 kHz. [Conti-ME]
1035 **PORTUGAL** *R.Clube Português*, Belmonte JUL 7 0200 - Good; slow time marker into long music bed intro to Rádio Clube Notícia. [Conti-ME]
1044 **SPAIN** *SER* synchros JUN 13 0220 - Good with 1030 *WBZ* HD digital off; telephone talk. [Conti-NH]
1053 **UNITED KINGDOM** *TalkSport* synchros JUN 13 0235 - Telephone talk; over loud het from 1053.107 Libya. [Conti-NH] JUL 7 0159 - Good; ad for "Stax Trade Centers in Manchester... Birmingham, and Bristol," ID, "On DAB digital radio..." [Conti-ME]

- 1088 **ANGOLA** *R.Nacional de Angola*, Mulenvos (8°51'S 13°19'E) JUL 8 0020 - Good, 10 dB better than 1089 *TalkSport*; African highlife, sounded similar to Trinidad & Tobago soca music. [Conti-ME]
- 1089 **UNITED KINGDOM** *TalkSport* synchros JUN 13 0244 - Good; ad string including participating sponsor of 2010 FIFA World Cup, local radio station of the year promo. [Conti-NH]
- 1098 **SPAIN** *RNE5* synchros JUL 7 0034 - Good, synchro echo; talk parallel 1107 mess. [Conti-ME]
- 1107.12 **SPAIN** *RNE5* Caceres JUN 13 0248 - Loud het against 1107 kHz. Equal in signal strength to 1107 synchros, easily separable on SDR spectrum analyzer. [Conti-NH]
- 1116 **SPAIN** *SER* synchros JUL 1 0135 - Spanish talk, music; weak. [Connelly*B-MA] JUL 7 0025 - Excellent; talk parallel 1179 kHz. [Conti-ME]
- 1125 **BELGIUM** *RTBF VivaCité*, Houdeng (50°29'N 4°08'E) JUN 13 0254 - Presumed with pop music occasionally breaking through the noise floor. [Conti-NH]
- 1134 **SPAIN** *COPE* synchros JUL 7 0020 - Good; telephone talk in Spanish. [Conti-ME]
- 1143 **SPAIN** *COPE* synchros JUL 7 0024 - Excellent; talk parallel 1134 kHz. [Conti-ME]
- 1152 **SPAIN** *RNE5* synchros JUL 7 0023 - Good, synchro echo; talk parallel 1107 mess. [Conti-ME]
- 1206 **FRANCE** *France Info*, Bordeaux (44°57'N 0°11'W) JUN 20 0200 - Parallel 1377 with French news; poor to fair. [Connelly*B-MA]
- 1215 **SPAIN** *COPE* synchros JUL 7 0030 - Fair with synchro echo, over *Absolute Radio*; talk parallel 1224 kHz. [Conti-ME]
- 1215 **UNITED KINGDOM** *Absolute Radio* synchros JUN 20 0159 - Rock music; poor. [Connelly*B-MA]
- 1242 **FRANCE** *France Info*, Marseille (43°16'N 5°18'E) JUL 7 0135 - Good; woman in French parallel 1206 kHz. [Conti-ME]
- 1377 **FRANCE** *France Info*, Lille (50°31'N 2°59'E) JUN 20 0200 - French news parallel 1206; fair to good. [Connelly*B-MA]
- 1521 **SAUDI ARABIA** *BSKSA* Duba (27°20'N 35°45'E) JUN 13 0155 - Solid s9, transmitter site dawn; monotone male speaker. [Conti-NH] JUN 20 0200 - Arabic news by man; fair. [Connelly*B-MA] JUL 7 0000 - Excellent, s9+10; time marker, ID and fanfare into news. [Conti-ME]
- 1530 **SAO TOME E PRINCIPE** *VOA* Pinheira (0°18'N 6°46'E) JUN 13 0258 - In WCKY null; Yankee Doodle interval signal. [Conti-NH] JUN 20 0300 - Yankee Doodle sign-on music, man in English; to good peak, dominant over WCKY. [Connelly*B-MA]
- 1557 **FRANCE** *France Info*, Fontbonne (43°46'N 7°25'E) JUL 7 0000 - Good; fanfare into news with *France Info* ID. [Conti-ME]
- 1566 **BENIN** *TWR* Parakou JUN 20 0302 - Hymns and preaching; poor. [Connelly*B-MA]

Pan-American DX

- 530 **CUBA** *R.Enciclopedia*, La Habana JUL 7 0830 - Fair; "CMBQ, Radio Enciclopedia..." and easy listening instrumentals. [Conti-ME]
- 550 **CUBA** *R.Rebelde*, multiple sites JUL 8 0800 - Over unID Spanish; news with weird digital attention signal between items, parallel 670 kHz. [Conti-ME]
- 555 **ST. KITTS & NEVIS** *ZIZ* Basseterre (17°19'N 62°44'W) JUN 26 0101 - Soul vocal; fair. [Connelly*W-MA] JUL 7 0820 - Good; Caribbean gospel music. [Conti-ME]
- 570 **CUBA** *CMDC R.Reloj*, Santa Clara (22°24'N 79°56'W) JUN 26 0100 - Reloj news, timeticks, beeps; mixed with WMCA. [Connelly*W-MA]
- 580 **CUBA** *R.Rebelde*, multiple sites JUL 7 0826 - Good; piano instrumental parallel 600 and 670 kHz. Surprised to find this instead of Puerto Rico. [Conti-ME]
- 580 **PUERTO RICO** *WKAQ* San Juan (18°26'N 66°08'W) JUN 26 0100 - WKAQ ID, sporting event coverage. [Connelly*W-MA]
- 600 **CUBA** *CMKV R.Rebelde*, Urbano Noris (20°35'N 76°08'W) JUN 26 0100 - News parallel 670 et al.; good. [Connelly*W-MA]
- 610 **CUBA** *CMAN R.Rebelde*, Bahía Honda (22°53'N 83°09'W) JUL 7 0824 - Good; woman and piano instrumental parallel 600, 620, and 670 kHz. [Conti-ME]
- 620 **CUBA** *R.Rebelde*, multiple sites JUN 26 0100 - News parallel 670 et al.; good. [Connelly*W-MA]
- 640 **CUBA** *R.Progreso*, multiple sites JUN 26 0102 - Parallel 750 with deep-voiced man in Spanish, then Spanish version of song "It's Impossible" (orig. done by Perry Como and others); over likely YVQO. [Connelly*W-MA]
- 640 **VENEZUELA** *VYQO Unión Radio*, Puerto la Cruz (10°05'N 64°47'W) JUN 20 0059 - Political discussion. Nicaragua mentioned as partner to "the Bolivarian socialist government."

- Recorded; fair-good. Thanks to Henrik Klemetz via RealDX. [Black-MA]
- 650 **CUBA** *R.Rebelde*, multiple sites JUN 26 0100 - Parallel 670, 770, 1180 with news; mixed with WSRO. [Connelly*W-MA]
- 650 **CUBA** *R.Progreso*, unID site JUL 7 0830 - Good, through slight wobbling; time check and rustic music parallel 640 kHz. Don't know if the wobbling was from this or another Cuban. [Conti-ME]
- 650 **CUBA** unID JUL 8 0803 - Loud wobbler, burying anything else on the frequency. [Conti-ME]
- 670 **CUBA** CMQ *R.Rebelde*, Arroyo Arenas (23°00'N 82°30'W) JUN 26 0100 - Rebelde electronic sounder, news parallel 770; dominant. [Connelly*W-MA] JUL 7 0700 - Rebelde sounder heard through Spanish melee of stations, presumed Florida and Venezuela among them. [Conti-ME]
- 680 **CUBA** *R.Rebelde*, Ciego de Avila JUL 7 0830 - Under WRKO; woman and romantic vocal parallel 610, 620, 670, and 710 kHz. [Conti-ME]
- 690 **BRAZIL** unID JUL 8 0740 - Signal faded in for about 10 minutes, then gone; mentioned Brazil and repeated "333..." phone number in Portuguese. Transmitter site dawn approaching Fortaleza at this time would suggest ZYH587 *R.Dragão do Mar*. [Conti-ME]
- 690 **COLOMBIA** HJCZ *R.Recuerdos*, Bogotá (4°37'N 74°03'W) JUN 20 0100 - Latin ballad then man with "Radio Recuerdos" ID; fair. [Black-MA] JUN 26 0131 - *R.Recuerdo* ID, female vocal; good. [Connelly*W-MA]
- 690 **CUBA** *R.Progreso*, Jovellanos (22°49'N 81°10'W) JUL 7 0730 - Good; "Tu noticiero RP." [Conti-ME]
- 700 **BRAZIL** ZYK686 *R.Eldorado AM*, São Paulo (23°32'S 46°37'W) JUN 20 0027 - Full ID with many 'Eldorado' and São Paulo mentions. Interference from WOR and mixing with WTUB ESPN. Recorded; fair-good. [Black-MA] JUN 26 0100 - Man in Portuguese; poor, over unID Spanish talker. [Connelly*W-MA]
- 710 **CUBA** *R.Rebelde*, multiple sites JUL 7 0815 - Excellent, multiple station echo; salsa music parallel 670 kHz. [Conti-ME]
- 720 **CUBA** *R.Progreso*, unID site JUL 7 0829 - Fair; Noticiero RP, "...Radio Progreso, la onda de la alegría, exactamente," chime, "cuatro treinta minutos," and rustic music parallel 640 and 690 kHz. [Conti-ME]
- 740 **BRAZIL** ZYH446 *R.Sociedad da Bahia*, Salvador (12°57'S 38°30'W) JUN 26 0034 - Five notes from "Close Encounters," then fast Portuguese talk by man; poor with static crashes. [Connelly*W-MA]
- 750 **CUBA** CMHV *R.Progreso*, Trinidad (21°48'N 79°59'W) JUN 26 0102 - Parallel 640 with man in Spanish, then Spanish version of "It's Impossible"; mixed with YVKS. [Connelly*W-MA]
- 750 **VENEZUELA** YVKS RCR Caracas (10°29'N 67°00'W) JUN 26 0100 - Ballpark "Charge!" 6-note fanfare, talk, then segment of "Take Me Out to the Ballgame" on organ followed by news of the Venezuelan "Grande Liga" and mentions of "deportes venezolana"; over unID second station that sounded religious in either Portuguese or Spanish. [Connelly*W-MA]
- 760 **BRAZIL** ZYH588 *R.Uirapuru*, Fortaleza (3°45'S 38°31'W) JUN 20 0059 - Discussion in Portuguese. Recorded; fair. [Black-MA]
- 760 **COLOMBIA** HJAJ RCN Barranquilla (10°53'N 74°49'W) JUN 26 0100 - RCN ID, news by man in Spanish; over others. [Connelly*W-MA]
- 760 unID JUN 26 0126 - ID sounds like Radio Tiempo... who is that on 760? [Connelly*W-MA]
- 770 **CUBA** *R.Rebelde*, Las Mercedes JUN 26 0100 - Rebelde sounder, news parallel 1180; good, over WABC. [Connelly*W-MA] JUL 8 0200 - Rebelde sounder under WABC. [Conti-ME]
- 780 **BRITISH VIRGIN ISLANDS** ZBVI Roadtown, Tortola JUN 26 0130 - "This is station Zed B V I," Carib-English talk; briefly atop pile-up and static. [Connelly*W-MA]
- 780 **PARAGUAY** ZP70 *R.Primer de Marzo*, Asunción JUN 20 0059 - "Radio Primero de Marzo 780 AM" ID and other stations and frequencies mentioned. Recorded, fair-good. Thanks to Torolf Johnsson via RealDX. [Black-MA]
- 780 **VENEZUELA** YVMN *R.Coro*, Coro (11°23'N 69°40'W) JUN 26 0124 - "Cincuenta cuatro minutos (:54), Venezuela, Coro"; over mess. [Connelly*W-MA]
- 790 **CUBA** CMAQ *R.Rehoy*, Pinar del Río (22°25'N 83°43'W) JUL 7 0723 - Good; single ticker without echo from second co-channel Rehoy. [Conti-ME]
- 800 **NETHERLANDS ANTILLES** PJB *TransWorld Radio*, Bonaire (12°06'N 68°17'W) JUN 26 0100 - Spanish hymn, preaching; loud. [Connelly*W-MA]
- 810 **BAHAMAS** ZNS3 Freeport JUN 26 0129 - Anti-youth-crime message "from Her Majesty's Prisons in collaboration with the Ministry of National Security and the Broadcasting Corporation of the Bahamas," then promo "810 AM, changing with the times, the station that's

- gotten better, 810 AM, we're hot!"; excellent. [Connelly*W-MA]
- 820 **CUBA** CMDE *R.Rejoj*, Contramaestre (20°18'N 76°15'W) JUN 20 0036 - Reloj ticks, beeps; under St. Kitts. [Connelly*W-MA]
- 820 **ST. KITTS & NEVIS** TBN/*R.Paradise*, Charlestown (17°08'N 62°37'W) JUN 20 0037 - Preacher talking about relating Biblical prophecy to historic events; fair. [Connelly*W-MA] JUL 8 0145 - Excellent; fiery preaching against President Obama and socialism. 0200, "This is the Trinity Broadcasting Network." [Conti-ME]
- 819.523 unID JUN 26 0034 - Weak het against St. Kitts and *R.Rejoj*. [Connelly*W-MA]
- 840 **BRAZIL** ZYK687 *R.Bandeirantes*, São Paulo (23°32'S 46°37'W) JUN 20 0017 - Brazilian music and man in Portuguese, 0041 man in Portuguese with São Paulo mentions. Recorded; fair-good. [Black-MA] JUN 26 0105 - Man in Portuguese; mixing with Haiti and Cuba. [Connelly*W-MA]
- 840 **HAITI** 4VEH Cap Haitien JUN 26 0100 - Five electronic notes ('dashing through the snow' from "Jingle Bells"), man in French, ID, "Ici Radio 4VEH;" good, well over Brazil, Cuba. [Connelly*W-MA] JUL 7 0301 - Fair; soft spoken man in French and background hymn music. [Conti-ME]
- 860 **BRAZIL** ZYJ459 CBN Rio de Janeiro JUN 20 0008 - Man in Portuguese teletalk. Recorded; fair. [Black-MA] JUN 26 0105 - Man in Portuguese; slightly over jumble. [Connelly*W-MA] JUL 8 0100 - Fair; in-studio talk in Portuguese, promo/ID string, "CBN Total." [Conti-ME]
- 860 **COLOMBIA** HJNJ Canaguante JUN 26 0101 - Woman mentioned Canaguante, rustic accordion music followed; over Cuba and Brazil. [Connelly*W-MA]
- 860 **CUBA** CMDB *R.Rejoj*, Baracoa (20°21'N 74°29'W) JUN 26 0100 - Reloj program, slightly over pile-up of other Latin Americans. [Connelly*W-MA] JUL 7 0759 - Good; minute marker, RR code, etc. [Conti-ME]
- 870 **CUBA** CMDT *R.Rejoj*, Sancti Spíritus (21°56'N 79°26'W) JUN 26 0100 - Reloj news and time show; over WLVP. [Connelly*W-MA]
- 900 **BARBADOS** *Caribbean Broadcasting Corp.*, Bridgetown JUN 26 0101 - Rap music, Carib-accented man mentioned "here on Caribbean Broadcasting"; slightly over Spanish and Portuguese language stations. [Connelly*W-MA]
- 900 **VENEZUELA** YVMD *Mara Ritmo 900*, Maracaibo (10°39'N 71°44'W) JUN 26 0034 - Advert mentioning "en Maracaibo"; noisy. [Connelly*W-MA]
- 910 **CUBA** *R.Cadena Agramonte*, Camagüey JUL 7 0758 - Good; "...Radio Cadena Agramonte, Camagüey, Cuba." [Conti-ME]
- 910 **VENEZUELA** YVRQ Caracas (10°32'N 66°55'W) JUL 8 0809 - Fair; Rumbos-like chimes, "...de RQ 910," and tropical music. [Conti-ME]
- 930 **CUBA** unID JUN 26 0035 - "Wobbler" bothering WGIN. [Connelly*W-MA]
- 940 **BRAZIL** ZYJ453 *Super R.Brasil*, Rio de Janeiro JUN 20 0114 - Man in Portuguese with station announcement and frequencies. Many 'Super' and São Paulo mentions. Recorded; fair-good. [Black-MA] JUN 26 0101 - Likely this with rambling Portuguese talk / preaching by man; over Spanish-language station (WIPR, YVNN?). [Connelly*W-MA]
- 940 **PUERTO RICO** WIPR San Juan JUL 8 0100 - Relatively poor signal despite clear channel; caught partial promo/ID, "...en San Juan, Puerto Rico," and classic salsa music. [Conti-ME]
- 950 **CUBA** *R.Rejoj*, La Habana & Mayarí Arriba JUN 26 0034 - Ticks, "RR" beeps; under domestics. [Connelly*W-MA]
- 960 **CUBA** *R.Rejoj*, multiple sites JUN 26 0037 - Reloj news, ticks, beeps; mixed with unID Spanish language station that was probably YVRB. [Connelly*W-MA]
- 960 **VENEZUELA** *R.Llanera*, Acarigua (9°33'N 69°11'W) JUL 8 0101 - Fair, over *R.Rejoj*; Venezuela slogan/ID, jingle with same slogan and Portuguesa mention, then llanera music. [Conti-ME]
- 960.14 unID JUN 26 0035 - High side growl against *R.Rejoj*. [Connelly*W-MA]
- 980 **BRAZIL** ZYH707 *R.Nacional*, Brasilia JUN 26 0033 - Excited Portuguese talk by man; initially over WCAP then faded under. [Connelly*W-MA]
- 1000 **BRAZIL** ZYK522 *R.Record*, São Paulo (23°33'S 46°38'W) JUN 20 0100 - Top of the hour jingle then religious song in Portuguese. 0103 man in Portuguese with São Paulo and Brazil mentions. Recorded; fair under 1010 IBOC. [Black-MA]
- 1000 **VENEZUELA** YVNM *Caribeña AM*, Morón (10°30'N 68°10'W) JUL 7 0200 - Fair; "...Caribeña AM ...la señal de la salsa en el caribe," and salsa music. [Conti-ME]
- 1020 **CUBA** *R.Rejoj* JUN 26 0058 - Reloj news, ticks, beeps; over other Latin American that was likely one of the Venezuelans. [Connelly*W-MA]
- 1020.107 **PARAGUAY** *R.Nanduti*, Asunción JUN 20 0059 - Carrier only, however ID heard on same

- frequency from John Plimmer capture at 04:00:20 MAR 31 from Seefontein, South Africa. Thanks to Mauno Ritola via MWOffsets. [Black-MA] JUN 26 0035 - Possibly *R.Nanduti*, Paraguay, with off-channel carrier. [Connelly*W-MA]
- 1020 **VENEZUELA** YVRS Mundial Margarita, La Asunción (10°55'N 63°48'W) JUL 8 0100 - Fair; presumed this with speech about Venezuela municipales. [Conti-ME]
- 1039.62 **VENEZUELA** YVLB *La Voz de Carabobo*, Valencia (10°08'N 67°57'W) JUN 26 0100 - Blaster het-growl on this distinctive offset but only fragments of audio. 1040.0 a jumble instead of expected ZYK537 dominance. [Connelly*W-MA]
- 1060 **BRAZIL** ZYJ597 Mossoro JUN 26 0037 - Suspected this with Portuguese religious shouting by man; under WBIX. [Connelly*W-MA]
- 1060.285 unID JUN 26 0035 - Weak het against WBIX and Brazil. [Connelly*W-MA]
- 1090 **VENEZUELA** YVSZ *Unión Radio*, Caracas (10°32'N 66°55'W) JUN 26 0035 - *Union Radio* ID in Spanish talk; fair, dominant. [Connelly*W-MA]
- 1100 **BRAZIL** ZYK694 *R.Globo*, São Paulo (23°32'S 46°37'W) JUN 20 0100 - Man in Portuguese with top of the hour ID and numerous 'Globo' and São Paulo mentions. Good after WHLI sign/off. [Black-MA] JUN 26 0034 - Globo and Brasil mentions in reverberated Portuguese talk; fair. [Connelly*W-MA] JUL 7 2350 - Woman in Portuguese; lost to WHLI. Then at 0002 fading up enough to hear signature whistle parallel 1220 kHz. [Conti-ME]
- 1100 **COLOMBIA** HJAT CARACOL Barranquilla JUN 26 0102 - Colombia news by man and woman; briefly over Brazil. [Connelly*W-MA]
- 1100.08 unID JUN 26 0034 - Weak growl against Brazil. [Connelly*W-MA]
- 1110 **VENEZUELA** YVQT *R.Carúpano*, Carúpano (10°40'N 63°18'W) JUN 26 0034 - *R.Carupano* ID; over unID station that sounded like a Brazilian. [Connelly*W-MA] JUL 7 0030 - Poor, under domestics; "¡En Venezuela, Carúpano!" [Conti-ME]
- 1120 **MEXICO** XEMX Mexicali, BCN JUN 18 1111 - Rod Stewart and other English oldies, "Noticias MVS" slogans and similar versions, e.g. "Noticias 11-20" and "Mexicali Noticias MVS," PDT time checks. Fair at best with KMOX having faded away. [Wilkins-CO]
- 1130 **BRAZIL** ZYJ460 *R.Nacional*, Rio de Janeiro JUN 20 0007 - Man in Portuguese. Recorded; good under WBBR. [Black-MA]
- 1130 **MEXICO** XEYZ Aguascalientes, Ags JUN 23 1100 - Tentative; "La Poderosa" slogans, mentions of Aguascalientes, Mexican tunes. Heard several mornings, always mixing with other XE's and much fading. Looped basically due south, conveniently nulling KWKH and CKWX. [Wilkins-CO]
- 1130 **MEXICO** XEHN Nogales, Son JUN 23 1119 - Banda music; full ID at the odd time of 1121 with call letters, power (1000 watts), address (Vasquez e Hidalgo 127 altos, Apartado Postal 199); back to music after a "La Qué Buena" slogan. Briefly fair over other XE's. [Wilkins-CO]
- 1130 **MEXICO** XEMOS Los Mochis, Sin JUL 7 1131 - Full ID, only partially readable: "En Los Mochis, La Invasora XEMOS Once Treinta AM..."; in and out (mostly out) over the next few minutes with banda music and "La Invasora" slogans. Haven't heard this one for several years. [Wilkins-CO]
- 1130 **MEXICO** XETOL Toluca, Mex JUN 26 1052 - Mexican tune; at 1054 man says "En Toluca, escuchas Once Treinta AM," then more music; national anthem at 1058; partially readable ID at 1101 with call letters, address, and power noted; more music followed. First log of this in many years; still the only logging from the Estado de Mexico here. [Wilkins-CO]
- 1129.91 unID JUN 26 0034 - Weak growl on low side of WBBR. [Connelly*W-MA]
- 1140 **MEXICO** XEMR Monterrey, NL (25°46'N 100°15'W) JUN 18 1102 - National anthem; full ID at 1103 with call letters, power (50 kW), address (Madero 1110 Oriente) and telephone number; noted slogans "MR 1140" and "MR Deportes"; ad for car mechanic followed. Fair with interference. [Wilkins-CO]
- 1150 **MEXICO** XEAD Guadalajara, Jal JUN 13 1110 - Atop a mix in KHRO El Paso phase with news program, "Radio Metrópoli" IDs. [Vance-TX]
- 1149.346 unID JUN 26 0034 - Carrier on low side of WWDJ. [Connelly*W-MA]
- 1149.88 unID JUN 26 0034 - Carrier on low side of WWDJ. [Connelly*W-MA]
- 1160 **BERMUDA** VSB3 Hamilton (32°18'N 64°46'W) JUN 26 0035 - BBC talk about UK politics and the Prime Minister; over Spanish that may have been WBQN. [Connelly*W-MA] JUL 7 0030 - BBC World Service through WSKW. [Conti-ME]
- 1170 **BRAZIL** ZYJ598 Mossoro JUN 26 0057 - Suspected this with religious-sounding Portuguese talk by woman; through tough static crashes. [Connelly*W-MA]
- 1170 **MEXICO** XEUVA Aguascalientes, Agua JUN 13 1035 - Very good to fair in KFAQ Tulsa phase with mellow ranchera. Frequent "La Rancherita" IDs. A little bit of trouble from XEIB

- Caborca but right now XEUVA was winning. [Vance-TX]
- 1180 **CUBA** *R.Rebelde*, Villa María (23°07'N 82°22'W) JUN 26 0100 - Sports report, Rebelde electronic sounder, news by woman in Spanish; good, over pile of other Latin Americans. [Connelly*W-MA]
- 1220 **BRAZIL** ZYJ458 *R.Globo*, Rio de Janeiro (22°55'S 43°13'W) JUN 20 0056 - Man in Portuguese with animated top of the hour announcement, Many Globo, Brasil, and São Paulo mentions with jingles and fanfares. Recorded; good. [Black-MA] JUN 26 0036 - Globo IDs and excited Portuguese talk; huge. [Connelly*W-MA] JUL 8 0002 - Briefly good during receiver sunset; woman in Portuguese, *Globo* ID with signature whistle, parallel 1100 kHz. [Conti-ME]
- 1280 **BERMUDA** VSB2 Hamilton JUN 26 0100 - Usual mention of Wadesboro, South Carolina, FM station, then instrumental "Old Rugged Cross"; in dogfight with Brazil. [Connelly*W-MA]
- 1280 **BRAZIL** ZYJ455 *Super R.Tupi*, Rio de Janeiro JUN 26 0101 - Electronic sound, Portuguese talk with several "Tupi" IDs; good, atop Bermuda. [Connelly*W-MA]
- 1309.675 unID JUN 26 0035 - Weak growl on low side of WLOB. MWoffsets has HJAK *La Voz de la Patria*, Barranquilla, Colombia listed. [Connelly*W-MA]
- 1500 **MEXICO** XEDF *R.Fórmula*, México DF (19°23'N 99°06'W) JUN 10 0250 - Non-musical variety program into full ID just before the hour. Numerous references to *R.Fórmula* and Grupo Fórmula. Announced 50 kW power. Fair-to-poor with unID Spanish lurking underneath but is the dominant station so far this evening. [Vance-TX]
- 1520.143 unID JUN 26 0034 - Growl against WWKB. [Connelly*W-MA]
- 1540 **BAHAMAS** ZNS1 Nassau (25°00'N 77°21'W) JUN 26 0035 - Local-accent advert, 1540 AM jingle, PSA on what to do during a hurricane watch; mixed with WDCD. [Connelly*W-MA]
- 1610 **ANGUILLA** *Caribbean Beacon*, The Valley JUN 26 0037 - Sermon about God's gifts; over Steamship Authority TIS (Hyannis). [Connelly*W-MA]
- 1620 **US VIRGIN ISLANDS** WDHP Frederiksted, St.Croix (17°43'N 64°53'W) JUN 26 0036 - Caribbean English man talking about the right to vote; good. [Connelly*W-MA]
- 1700 **MEXICO** XEPE Tecate (32°32'N 116°49'W)

Contributors

Chris Black N1CP, Fort Hill MA; Microtelecom Perseus, terminated Delta.

Mark Connelly WA1ION, Billerica MA; Perseus operated with MSI Wind U100 netbook, cardioid-pattern terminated loop, 7 m vertical by 11 m horizontal, base height 4 m, null west.

Mark Connelly WA1ION, Windmill Beach MA; Perseus with MSI Wind U100, cardioid-pattern terminated loop, 2 m vertical by 2 m horizontal, on car roof, null west for first captures then northwest for last ones.

Bruce Conti, Camden ME; SDR IQ, 12 x 30-m terminated Delta at 80°, 15 x 37-m variable termination Split Delta at 170°.

Bruce Conti, Nashua NH; SDR IQ, 7 x 19.5-m variable termination Split SuperLoop at 60°, 15 x 23-m variable termination north/south SuperLoop.

Robert Vance, El Paso TX; WinRadio G303e/PD, 12 x 9-ft unterminated corner-fed north-south loop, 3 sq meter amplified air loop.

John Wilkins, Wheat Ridge CO; Drake R8, 4-foot box loop.

Aruba Bandscan

by Warren Greenberg

I recently rejoined the NRC after dropping out for a number of years due to lack of time - family matters and the job. I am now retired in Ormond Beach, Florida (outside Daytona). I just got back from Aruba and attached is a quick July 1 daytime bandscan. The location was on the beach on the southwest coast using a Toyota car radio and its antenna. The time was around 1 to 2 p.m. Eastern. At night 1540 Bahamas was in like a local, but during the day there was a Spanish station on 1540. Also 800 PJB Bonaire was not on all the time, when they were off nothing was heard on 800 kHz.

(Editor's note: Unidentified Spanish was listed on almost every frequency. Only stations broadcasting in Spanish that were identified, along with English and French language stations are listed here. Welcome back, Warren! Please keep in touch with what you're receiving from the Florida coast. - Bruce)

630 **VENEZUELA** YVKA *R.Nacional*, Caracas

660 **VENEZUELA** YVNA *R.Popular*, Coro

780 **BRITISH VIRGIN ISLANDS** ZBVI Roadtown, Tortola

820 **ST. KITTS & NEVIS** TBN/*R.Paradise*, Charlestown

960	CUBA <i>R.Relej</i>
970	US VIRGIN ISLANDS WSTX Christiansted
1030	unID French (Haiti?)
1060	unID English, religion
1270	ARUBA San Nicolas
1370	PUERTO RICO WIVV Vieques - English
1440	ARUBA unlisted
1610	ANGUILLA <i>Caribbean Beacon, The Valley</i>
1620	US VIRGIN ISLANDS WDHP Frederiksted



73 and Good DX!

DX Tool Box

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

Greetings once again from the Heart of the Continent and welcome to the DX Tool Box Column number 18.

This month we look at the Triple E Antenna Switch Box.

I wanted to build a switch box that would allow me to go from one wire antenna to another without having to disconnect the antenna from the back of my receiver. It had to be Economical, Easy to build, and Effective.

I came up with the idea of using a utility box from the home building store and using banana jacks because they were simple to work with. I settled on a PVC box used by electricians for outdoor installations. They are inexpensive easy to drill into and have 4 screws that allow you easy access to the inside of the box. This set up would allow me to put six jacks into a box and bolt it down via the bolt holes already moulded to the box. In this article I will describe my 6 bay box but you can use less or more connectors depending on your need.

To build your Triple E Antenna Switch Box all you need are the following materials:

- 1 - PVC box about 4 - 6 inches square and 2 - 3 inches deep
- 1 - 20 foot length of insulated or coated wire
- 6 - Banana jacks (or substitute connectors of your choice)
- 1 - Banana plug (or substitute connector of your choice)
- 2 - Screws to mount the box if you want it mounted to the desk or wall

STEP 1

Map out where you want to put your jacks, ensuring you leave enough room to mount them.

Then drill the six holes in the face plate you have marked.

Drill a hole on the top of the box to be able to draw out six wires from inside the box for leads from the jacks.

You could also drill six holes on the sides of the box below each hole you have on the top if you wish to go that route. Both work well.

STEP 2

Mount the jacks onto the box.

Make sure they are on tight.

Label each jack from 1 to 6.

Cut six 2-2½-foot long pieces of wire and strip off about one inch of the coating from each end.

You may wish to label each wire from 1 through 6 so when you are finished, you will know what wire belongs with what jack.

Solder one piece of wire onto one individual jack.

Repeat until you have all six wires soldered onto separate jacks.

STEP 3

Feed the six wires through the large hole on the top of the box (or out the sides if you went that route) and seal it back up.

Mine came with four screws that were removed to open the box up.

All you have to do is mount the box and attach your antennas, one to each lead.

Take the banana plug and attach it to the left over wire and fit the other end to your receiver. You are all set to go.

To switch from one antenna to another, all you have to do is move the plug from one jack to another. This also allows you to keep a good match on your antennas. Using a 50-Ohm coax switch, with a long wire of several hundred Ohms, can cause a mismatch. This gets more of the signal to your radio

for less money.

You could set up one of these using coax feed if you wanted to use coax feed to the rig. I have done this on DX'peditions by soldering a banana plug to the center of the coax feed line and using that plug at the end of the coax to go to various antenna jacks.

Like I said Economical Easy and Effective. I hope some of you find this of use. By the way, going from one antenna to another on this is easier than going around and around on a rotary switch that will wear out from such repetitive motion. If a jack or plug were to ever wear out on this model, you replace one cheap part instead of a switch in its entirety. And you can share the antennas with other DX'ers at a get together. All anyone needs is a feed line to the box and they have access to all the antennas too.

Bits and Bites from the NRC listserv:

From: Deane McIntyre Subject: Licences for CINF-690 and CINW-940 both Montreal Quebec revoked by CRTC

The licences for both CINF-690 and CINW-940, which have been silent for some months, have been formally revoked by the CRTC. Thus ends the saga of the world's oldest station, CINW, which started as XWA in 1919. For most of its life it was CFCF. Revocation of licences:

1. Metromedia CMR Broadcasting Inc. has requested the revocation of the broadcasting licences for its English language radio programming undertaking CINW and its French-language radio programming undertaking CINF Montreal. The licensee has informed the Commission that these stations have not been in operation since 29 January 2010.

2. Given the licensee's request and pursuant to sections 9(1)(e) and 24(1) of the Broadcasting Act, the Commission revokes the broadcasting licences issued to Metromedia CMR Broadcasting Inc. for the above mentioned undertakings.73,Deane McIntyre VE6BPO

From: Doug Smith Subject: New X-band station in Mexico (and another new AM) While looking for TV information, I found a COFETEL press release noting the authorization of a new expanded-band station on 1670 in Cd. Anahuac in Nuevo Leon. (not too horribly far from Monterrey in northeastern Mexico) The station was authorized last November to the Universidad Anahuac. Also authorized was a station on 1280 in Nayarit.(also, nine FM stations and three DTVs) Another news release notes the progress of the country's voluntary plan to move AM stations to FM. In Region I (Campeche, Quintana Roo, Tabasco, and Yucatan), *every* authorized AM station requested an FM frequency. I don't *think* the deadline has yet expired for applying in the other five regions. Under the plan, AM stations receiving an FM frequency must begin FM operation within a year. They are required to leave the AM station on the air for a year after the FM launches, simulcasting the FM. (similar to Canadian practice but with a much longer simulcast period) In cases where populations receive only AM signals, COFETEL may require the AM simulcast to continue for an indefinite period, beyond one year. Doug Smith W9WI Pleasant View, TN EM66

From: KC4QLP@aol.com Subject: Re: [NRC-AM] WHKT 1650 is back Portsmouth, VA. Not Disney anymore after being silent. Now talk with simulcast of WPMH Claremont, VA. IDs as "WPMH and WHKT Portsmouth. This is conservative talk radio 'Freedom 16-50' 73,Kraig, KG4LAC Manassas, VA

Yep they've been having a few issues down there. An old time friend of mine who I worked with for a while at WGAI-AM 560, now does a talk show from 1am til 5am eastern, weekdays called "Into The Night w/ Brian Holland" Brian has been giving me some info on what's going on down there. At any rate, the simulcast between WPMH 670 Clarmont VA and WHKT 1650 Chesapeake VA will be coming to an end soon. 670 is going all religious at some point as both stations are owned by Salem. Currently though you can listen to the simulcast online at www.670wpmh.com We had something interesting occur on "Into The Night" last week. One of the callers was calling from New Zealand, listening to 1650 WHKT. There is nothing like having a live reception report while doing a live talk show! Bob Carter - KC4QLP - WQJK414

This month's DX Tool Box web site is <http://www.lpam.net/page22/page22.html>

The LPAM Net Community ASM Radio Broadcasting site has a ton of information on Part 15 low powered AM broadcasting. This would include the FCC rules for setting up and equipment purchase or construction as well as Coexisting with Licensed Stations. The biggest thing I found of use on the site was on the Tab marked Part 15 AM station list. Here is one of the best lists I have found of these micro powered stations. The list is by state with station name, frequency, location, format and yes even live stream if available. This could be a big help on the UnID stations you may have especially from the 1610 to 1710 kHz band section.

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

Confirmed DX'er

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Seattle, WA 98117-2334

Your successes in obtaining QSL's and other station items

Lots of good stuff this time, including verification in 5 minutes!! I'll be in Rochester!!

- 558 London, UK, Spectrum R. Sent e-F/up, received F/D email in 3d. V/S: Station Director, John Ogden: jogden (a) spectrumradio.net (MM-Spain)
- 820 WBAP TX, Fort Worth. Sent s-mail report, received F/D QSL-letter in 112d. V/S: Neal Peden, Dtor. of Engineering. (MM-Spain)
- 950 CFAM MB, Altona. Sent e-F/up, received e-QSL-letter in 4h. V/s: Laverne Siemens, Dir of Eng: lsiemens (a) goldenwestradio.com. (MM-Spain)
- 1000 WMVP IL, Chicago. Sent s-mail report, received e-QSL-card in 74d. V/s: John Hurni, Chief Engineer: john.d.hurni (a) abc.com. (MM-Spain)
- 1050 CKSB MB, St Boniface, R Canada. Sent s-mail report, received QSL-card in 25d. V/s: not readable. (MM-Spain)
- 1070 CMKS Guantanamo, Cuba, R Trinchera Antimperialista. Sent e-F/up received 1st email in 2h from Irina Laborde, informatica de la Redacción Digital & Yaqueline de la Rosa, periodista. A second email arrived from Yliana Rodríguez, Jefa de Redacción in 18h. Both from: cip236 (a) cip.enet.cu. (MM-Spain)
- ksl.com** 1160 KSL UT, Salt Lake City. Sent s-mail report, received QSL-card, coverage map in 10d. V/s: John Dehnel, Chief Engineer. (MM-Spain)
- 1160 WYLL IL, Chicago. Sent s-mail report, received n/d QSL-card in 26d. V/s: not readable. (MM-Spain)
- 1220 WHKW OH, Cleveland. Sent s-mail report, received e-QSL-letter in 3d. V/s: David S. Johnson, Dir. Of Engineering: djohnson (a) salemcleveland.com. (MM-Spain)
- 1250 CHSM MB, Steinback, "AM 1250." Sent e-report, received s-mail letter in 25d. V/s: Matt Heinrichs, Engineer: mheinrichs (a) goldenwestradio.com. (MM-Spain)
- 1250 WEAE PA, Pittsburgh. Sent e-F/up, received F/D email in 16min. V/s: Mike Thompson, Vice President-General Manager: Michael.F.Thompson@espnradio.disney.com. (MM-Spain)
- 1280 WADO NY, New York. Sent e-F/up, received F/D email 2h40m. V/s: Nomar Vizcarrondo, News Director: nvizcarrondo (a) univisionradio.com. (MM-Spain)
- 1280 WFAU ME, Gardiner. Sent e-F/up, received F/D email in 13m. V/s: Jack O'Brien, Director of Programming & Operations: jackobrien (a) blueberrybroadcasting.com. (MM-Spain)
- 1310 WLOB ME, Portland. Sent e-F/up, received F/D email in 2d. V/s: Richard Ringenback, Operations Manager, newstalkwlob (a) yahoo.com. (MM-Spain)
- 1320 WBOB FL, Jacksonville. Sent e-F/up, received email in 7d. V/s: AJ Davis, Operations Manager: wbobprogramming (a) yahoo.com. (MM-Spain)
- 1320 WLQY FL, Hollywood. Sent e-F/up, received F/D email in 2d. V/s: Rick Santos, General Manager: rsantos (a) entravision.com. (MM-Spain)
- 1380 YVNG Pto Cabello, Venezuela, Ondas del Mar. Sent e-F/up, received email in 8h. No v/s: ondasdelmar1380 (a) gmail.com. (MM-Spain)
- 1400 HJKM Bogota, Columbia, Emisora Mariana. Sent e-F/up, received F/D email in 23d. V/s: Manuel Leal: produccionemimarian (a) gmail.com. (MM-Spain)
- 1430 ZYJ671 Porto Velho, Brazil, R Caiari. Sent s-mail report, received email in 25d. V/s: Osnilda Lima, Dpto. Comercial: comercialcaiari (a) gmail.com. (MM-Spain)
- 1440 WHKZ OH, Warren. Sent e-F/up, received e-QSL-letter in 2d. V/s: David S. Johnson, Dir of Engineering: djohnson (a) salemcleveland.com. (MM-Spain)
- 1470 HCLD2 Guayes, Ecuador, Ecos de Naranjito. Sent e-report, email in 2d. V/s: Sr. Lcdo. Leoncio Delgado Hermida, Director – Propietario. Thanks to H Klemetz for the contact email!! radioecosdenaranjito (a) hotmail.com. (MM-Spain)
- 1470 XEAI Mexico DF, Mexico. Sent e-F/up, received F/D email 20min. V/s: José Pablo Coello: jcoello (a) grupofomula.com.mx. (MM-Spain)
- 1490 KRIB IA, Mason City, Received a nice window decal from the general manager at KRIB and a handwritten verie with business card for Three Eagles Communications Company concerning reception on Sunday 25 April 2010. Nineteen days since I wrote and received a reply. (WC-IA)

- 1540 WDCD NY, Albany. Sent e-F/up, received F/D email 5 min. V/s: Rich Leighton: richleighton.djr (a) gmail.com. (MM-Spain)
- 1550 XENU Nuevo Laredo, Tama, Mexico, La Rancherita. Finally received a reply for this Feb 2008 dx! After s-mail report, two s-f/ups and two more e-f/ups unanswered, the third one was the good! Email QSL in 2h. V/s: Ing. Ernesto Castro Vallejo, Depto. de Operaciones: ecastro (a) radiatora.com.mx. (MM-Spain)
- 1557 WYFR Kouhi, Taiwan, Family Radio. Sent s-mail report, received QSL-card and rel. Material in 34d, used WYFR USA address. (MM-Spain)
- 1570 OCU4J Lima, Peru, Nueva-Q. Sent e-report, received F/D email in 2h. V/s: Manuel Soto, Gerente de Operaciones: msoto (a) crpradio.com.pe. (MM-Spain)
- 1650 WHKT VA, Portsmouth, Radio Disney. Nice surprise on June 24, 2010 mail. Large brown envelope containing a "Verification of QSL" letter from WHKT confirming reception of their February 27, 2008 broadcast. Signed by Monica Rae. At the bottom of the letter is a cut out of Mickey Mouse's head. Also received round "Radio Disney AM 1650" sticker. Report sent February 29, 2008 via the US Postal Service including \$1 for return postage. Took 846 days for a reply! Very surprising as 1650 Radio Disney no longer exists. Was sent from QSL Assist, 2109 Thoroughgood Rd, PO Box 5131, Virginia Beach, VA 23455. (KK-VA)
- 1670 WTDY WI, Madison. Sent s-mail report, received P/D QSL-letter, coverage map, in 33d. V/s: Rex Charger, Program Director. (MM-Spain)



William B. Conner kc0dkd, West Des Moines IA (WC-IA)

Kraig Krist KG4LAC, Manassas VA (KK-VA)

Mauricio Molano, Salamanca, SPAIN (MM-Spain)

NRC Contests

Wayne Heinen amradiolog@nrcdxas.org
4131 Andes Way
Aurora, CO 80013-3831

An annual DX contest which encourages DX'ing and offers prizes

Contest #1 Stations and Points Final Talley

<u>Contester</u>	<u>Location</u>	<u>Loggings</u>	<u>Points</u>
Wayne Heinen*	Aurora, CO	406	1023
John Cereghin	Smyrna, DE	479	1023
Russell Curry	Eugene, OR	319	721
Richard Lauhead	St Paul, MN	333	719
Deane McIntyre	Calgary, AB	249	529
J Paul Kavan	Tampa, FL	239	509
Paul Swearingen*	Topeka, KS	225	422
Nancy Johnson	Billings, MT	128	312
Steve Sprague	Coffeyville, KS	138	279
David B Jones	Nashville, TN	39	81
Bill Patalon III	Fallston, MD	43	55
Dale Park	Honolulu, HI	16	30
John R Malicky	Pittsburgh, PA	12	26

*Ineligible for prizes

Contest #2 How Far can you Go? Final Talley

<u>Name</u>	<u>Location</u>	<u>Loggings</u>	<u>Total Miles</u>
Wayne Heinen*	Aurora, CO	408	218362
Deane McIntyre	Calgary, AB	254	188446
John Cereghin	Smyrna, DE	486	183678
Richard Lauhead	St Paul, MN	333	150174
Russell Curry	Eugene, OR	319	140489
Paul Swearingen*	Topeka, KS	225	91702
J Paul Kavan	Tampa, FL	239	83574
Nancy Johnson	Billings, MT	128	66726
Steve Sprague	Coffeyville, KS	138	41186
Dale Park	Honolulu, HI	17	23884
Bill Patalon III	Fallston, MD	43	14886
David B Jones	Nashville, TN	39	12843
John R Malicky	Pittsburgh, PA	12	4467

*Ineligible for prizes

"... and the winners are... (drum roll please)

Contest #1 Total Points for your stations logged John Cereghin, who was tied with the contest manager for total points at 1023. **Contest #2** How Far can you Go? The winner is Deane McIntyre. Both Deane and John will receive one year extensions to their National Radio Club Memberships.

I plan to announce the 2010 – 2011 contests in the August issue and have them begin the 1st day of September. Anyone who has any thoughts or ideas for contest criteria please feel free to let me know prior to August 1st so I can review them before submitting them to Paul and Fred for August publication.

One "Item of Note" Paul Kavan placed 7th in miles and 6th in number of points. Paul competed with the "big boys" using Ultra Light receiving equipment! Congrats Paul on an excellent showing! Thanks to all who joined in and I hope to see more DX'ers in the fray in the 2010 – 2011 season!

Musings of the Members

Dave Schmidt NRCMusings@aol.com
P. O. Box 126
New Freedom, PA 17349-0126

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

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

John R. Malicky - Pittsburgh, PA

(continued from last issue) With a good trip home, but not so good news most recently, following the passings a few months ago of KDKA radio's Fred Honsberger and TV-2's Yvonne Zanos, came word by KDKA and announced in the *Pittsburgh Post-Gazette* was the death of Thomas Hoyt 'Slim' Bryant on May 28th at 101 years of age. Having lived for about 69 years in the city suburb of Dormont near home, Slim Bryant was a country music legend who hailed from Atlanta that performed with "His Wildcats" and recorded 287 songs along with his brother Raymond 'Sloppy' Bryant. As the story goes, the band was en route to a concert when their car had a flat tire and rather try to fix it, they spent their night in Pittsburgh and many more after that. Shortly, they joined KDKA radio in August, 1940 and by June, 1941,

The band, "Slim Bryant and his Georgia Wildcats", began performing for 20 years during KDKA's Farm Hour at 6 AM amongst the farm news, news, and sports. True to their character, wherever they played the night before, the band made sure to perform the next morning.

In 1949, the group was part of the inaugural broadcast of WDTV television, now KDKA. After leaving the broadcast side. Slim Bryant and his wife Mary Jane opened a card and gift shop in Dormont as Slim taught guitar lessons in the basement. By 2001 and for NRC Pittsburgh, I met Mr. Bryant recording an interview and greeting for the convention. Inducted in the Atlanta Country Music Hall of Fame, Slim's photograph in front of the KDKA microphone is displayed in the national country music hall of fame in Nashville. A six-foot-four-inch-tall country gentleman "as down home as grits and red eyed gravy", Mr. Bryant's few appearances were short interviews on KDKA as part of their anniversary specials. A very fond friend of TV 2's Wayne Van Dine, also a guitarist,

My last meetings with Slim would occur by chance at our local Kuhn's food store. Mr. Bryant would still "there also up to last September, whereupon his son Thomas II, visiting from Kansas City, Kansas, checked the mileage for the last time to see that his dad had registered only 2 miles from his previous visit! In all, in terms of a person so gracious and kind, Mr. Slim Bryant's mileage was unlimited! 73s - JRM

'DX News' magazine archives available online

by Wayne Heinen

NRC member Skip Dabelstein didn't want to haul around all the old volumes of yellowing *DX News* magazines that he began collecting when he joined the NRC in 1954, so they were given a long-term temporary home with Paul Swearingen in Topeka a number of years back. I started scanning these old *DX News* magazines back in 2007. They're in the very versatile Adobe pdf format. James Niven, down Texas way, had also been scanning in his collection of *DX News* magazines and acquiring other volumes as they became available through *DX News* and from [NRC-AM]. Bill Hale took a turn at scanning some *DX News* magazines for the project. It's a slow process, but once it's done, it will be done, and the archives will be contain pdfs of all the *DX News* magazines available to us.

Between the volumes donated by Skip, those collected by James, and those archived by Paul Swearingen over his career as the publisher, printing coordinator, and mailer of *DX News*, we have everything from 1954 through current available to us. We're in need of sources; hopefully they still exist, for *DX News* magazines for the years prior to Volume 22 1954-1955. If anyone has these available and will let us have access to them please contact me.

We would also appreciate anyone that might have a flatbed scanner and the availability to scan documents into pdf format using the OCR (Optical Character Recognition) format. We've found that for size considerations the OCR format keeps the files much smaller which makes it more economical on the archiving to CD and DVD media, as well as conserving hard drive space on the servers where e-dxn.com resides. This format is available in Adobe Professional Version 7.0 or greater.

DX News and DXAS subscribers who might wish to peruse these old issues will need a \$5.00 e-dxn.com add-on subscription to their current membership. The archives can be read on line, downloaded to your computer, or printed to a printer. By acquiring an e-dxn.com add-on you'll also be helping to support the club's maintenance and our continuing on line on line presence. Other items that are available are MP3 files of current and past DX Audio Service issues and specials and all of the contents of *DX News* in an electronic form.

Currently available at e-dxn.com are the following volumes of *DX News*: V. 22-24 (1954-'57); V. 27-29 (1959-'62); V. 55-56 (1987-'89); V. 58-59 (1990-'92); V. 61-76 (1993-2009).



It's a weekend full of radio fun in upstate New York Friday, Aug. 27 - Sunday Aug. 29!

WHERE? Rochester, New York, within a day's drive of almost anywhere in the north-east or midwest. Our host hotel, the Brookwood Inn, sits along the historic Erie Canal in the quaint village of Bushnell's Basin, just east of Rochester and a few freeway exits off the New York State Thruway (I-90).



WHAT'S GOING ON? If you're in town on Thursday night (Aug. 26), we'll have an informal welcome dinner and a Rochester Red Wings baseball game if there's interest. (Please contact Scott Fybush, scott@fybush.com, to sign up for Thursday events!)



On Friday, we'll get started in the morning with a full roster of Rochester station tours - plus a live broadcast of Bob Smith's 1370 Connection talk show at WXXI, Rochester's public radio/TV station, where DX and radio will be the topic of the day and some NRC/DXAS members will be guests. (Everyone else gets to watch from the next studio!)

After the tours, we'll head out to the home of NRC's Jim Renfrew for an informal BBQ dinner and DX session.



Saturday morning starts with DX seminars featuring some of the top names in the hobby. After lunch, it's a tour of the fantastic Antique Wireless Association Museum in nearby Bloomfield. (The meeting room will be open all weekend for those not going on

the tours!)

Saturday night is banquet time. We've got a great buffet lined up at nearby Mario's Italian Restaurant, where our speaker will be WXXI radio's Bob Smith, who'll talk about his long career in both commercial and public radio at stations such as WHEN, WBEN and WKBW. Then it's back to the Brookwood for the business meeting and the annual auction.



On Sunday, we've got the famous DX Quiz in the morning before we all go our separate ways.

FUN FOR THE FAMILY! There's plenty to do in greater Rochester for spouses and kids, too. Lisa Fybush is coordinating family activities Friday and Saturday; contact her at lisa@fybush.com for details.

MAKE YOUR RESERVATION NOW! Rooms at the Brookwood Inn are available at a special NRC rate of just \$65/night (plus tax) for up to four people in a room - but you have to register by July 26. Room availability is limited, especially for Thursday night arrivals, so don't wait until the last minute to make your reservations.

Breakfast is included in the \$65 rate, and there's free parking and a free shuttle to the Rochester airport and the train and bus stations available. (Advance notice is required for pickup!)

To make your reservation, call the Brookwood Inn at 800-396-1194 or 585-248-9000 and be sure to say you are part of the National Radio Club group.

REGISTER NOW, TOO! Registration for the weekend is just \$55. That includes two meals - both Friday and Saturday night dinner - plus snacks in the convention room and your convention program. Send your check (payable to National Radio Club) to Greg Coniglio, 11825 Genesee Street, Alden NY 14004 - or go online at nrndxas.org and use PayPal. Registrations are due by August 1.

BRING US YOUR AUCTION ITEMS! The Saturday night auction is always a highlight of the NRC Convention, and this year's will be no different. But we need your help to make it a good one. Got an old radio you're not using? A stack of vintage NRC Logs or DXN issues? Send them along to Greg Coniglio, 11825 Genesee Street, Alden NY 14004 - or just bring them to the convention in August!

SHARE YOUR KNOWLEDGE! Do you have a DX specialty? Maybe you've become an expert on ultra-light radios, or longwire antennas, or perhaps you've got a story to share about a DXpedition you've been on. Share your expertise at our Saturday morning seminars! Contact Jim Renfrew at jrenfrew@rochester.rr.com to sign up for a slot on the schedule.



Your Rochester-Western New York Convention Committee
 Scott Fybush - Lisa Fybush - Jerry Bond
 Greg Coniglio - Rick Lucas - Jim Renfrew

National Radio Club

Founded in September, 1933, the National Radio Club is a non-profit organization devoted to the medium wave DX hobby. It is operated solely by uncompensated volunteers. Subscription costs cover printing, postage, and operational costs and are subject to change without prior notice. The opinions expressed in this magazine are those of the individual writer and do not necessarily reflect those of the Publisher or the Board of Directors of the National Radio Club, Inc. Any reproduction of material contained in *DX News/e-DXX* without permission of the National Radio Club or the author is prohibited. All published material in *DX News/e-DXX* may be reprinted by the National Radio Club at a later date. *DX News/e-DXX* published material reprinted in other publications should include an attribution naming the author and *DX News/e-DXX* as the original source. Construction projects described herein may be hazardous and are to be undertaken at the assembler's risk; the NRC, its officers, and author(s) will not be responsible for any injuries or losses arising during these projects. Tool usage and electricity can be dangerous.

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The National Radio Club includes NRC Publications, DX News, e-DXX, and DX Audio Service:

- NRC Publications - Wayne Heinen, Manager - P. O. Box 473251 - Aurora, CO 80047-3251; <sales@nrcdxas.org>. (What to send: \$ for Publications/Reprint Orders, subscription payments, sample requests).

- DX News - Publisher/Editor - Paul Swearingen <plsBCBDEXER@aol.com> - 2840 SE Illinois Ave. - Topeka, KS 66605-4711; 785-224-6907 [leave voice mail]. (Contributions to *DX News* only)

DX News yearly subscription (30 Issues): (send checks/money orders to National Radio Club - P. O. Box 473251 - Aurora, CO 80047-3251) U. S. Address: U\$33.00; Canadian Address: U\$43.00; all other countries: U\$57.00. Subscription or delivery problems? Contact Wayne at <sales@nrcdxas.org> or his street address above.

- DX Audio Service - Fred Vobbe, Publisher/Producer - 706 Mackenzie Drive - Lima, OH 45805-1835, 360-382-1957 (recordings for the Audio Service; \$ for subscriptions; DXAS address changes)

National Radio Club, Inc.

P. O. Box 473251

Aurora, CO 80047-3251

DX Audio Service yearly subscription (twelve 90-minute tapes, mailed out or about the 20th of each month) (send new and renewal subscriptions to Fred Vobbe): One-year First-Class Mail subscription to DX Audio Service to USA, Canada addresses: U\$28.00; all other addresses: U\$40.00

- e-DXX.com: To subscribe: Access the e-DXX web site <http://e-dxn.com> and then follow the indicated links to register: +\$5.00 if you're already a DXN or DXAS subscriber; \$15.00 to non-subscribers.

- Payment options for any item: US funds only: check, money order, or credit card (via PayPal: access <www.nrcdxas.org> ONLY and follow the links), or cash only at your risk. (Out of USA: Postal MO or PayPal Only; *NO checks*.)

Note: all checks and money orders should be made out to:

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