

# DXN News

• Serving DX'ers since 1933 •

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**Rochester 2010** ... was definitely one of the best and most well-attended conventions of all time for NRC/WTFDA, with over 60 registered. (More inside on p. 44 from John Malicky.) Do I need to say that Ernie Wesolowski (13312 Westwood Ln - Omaha, NE 68144-3343), <neernie@hotmail.com>, is asking for next year's host to contact him ASAP? That person COULD be you, ya know.

**Branson DX GTG** ... John Tudenham again will host the annual SW Missouri DX GTG, this year in Branson, MO, November 5-7 at the Super 8 Motel (2480 Greenmountain Rd - 417-354-8880). Most activities will take place Saturday, although activities will start around 2 pm Friday. More information to come.

**From the Publisher** ... Dave Schmidt passed along the announcement of the recent death of long-time NRC member Pat Cassidy, 60, of New Castle, DE. Pat, who was totally blind, had announced weather forecasts for Delaware stations through the 1980's.

**Welcome to these new members** ... Neil S. Adams, Litchfield, OH (rejoins); Mark Carlson, Ashton, IA ; Warren Greenberg, Ormond Beach, FL (rejoins); Gary Williams, Greentown, IN; Vincent Anyzeski, East Haven, CT; Steve Byan, Littleton, MA; Melvin Check, Karns City, PA; Paul Gray, Melbourne, FL (rejoins); Timothy Harding, Greenwood, IN; Michael Hunter, Neshanic Station, NJ; Peter B. Luskey, Rochester, NY; Brian Miller, Berkley, MI; John Nowak, Blue Rapids, KS; Paul Sojka Jr., South Hill, VA (rejoins); Randy Stewart KA0RNF, Battlefield, MO (rejoins); John Vervoort, Flint, MI (rejoins); Roy Wildermuth, Pittsford, NY.

**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), and one or more persons to edit future NRC publications developed by contributors or the club.

**Goodbye** ... Those of you who were at the convention already know that this issue is my last, as my-new-best-friend David Yocis has volunteered to become publisher of *DX News*. It's been a lot of

fun for me, but it's time for someone else to take the reins and move the magazine forward.

During the past 22+ years and 663 issues, I've been through a wide range of experiences and, really, learned how to operate a small business. I've seen this mag go from an assemblage of small bits of paper glued to legal-size sheets of paper with rubber cement to an electronic layout produced on a series of Macs, starting with a Plus that tended to overheat, especially in the summer. I'm satisfied with what I've accomplished, and now (2 years after announcing my retirement, hi) I'm very happy to turn the operation over to David. Maybe I'll even have a little time to DX now! -pls.

## DXN Publishing Schedule, Volume 78

Deadline	Publ. Date	Deadline	Publ. Date
1 Sept. 24	Oct. 4	16 Jan. 14	Jan. 24
2 Oct. 1	Oct. 11	17 Jan. 21	Jan. 31
3 Oct. 8	Oct. 18	18 Jan. 28	Feb. 7
4 Oct. 15	Oct. 25	19 Feb. 4	Feb. 14
5 Oct. 22	Nov. 1	20 Feb. 11	Feb. 21
6 Oct. 29	Nov. 8	21 Feb. 18	Feb. 28
7 Nov. 5	Nov. 15	22 Feb. 25	Mar. 7
8 Nov. 12	Nov. 22	23 Mar. 4	Mar. 14
9 Nov. 19	Nov. 29	24 Mar. 18	Mar. 28
10 Nov. 26	Dec. 6	25 Apr. 1	Apr. 11
11 Dec. 3	Dec. 13	26 Apr. 22	May 2
12 Dec. 10	Dec. 20	27 May 27	June 6
13 Dec. 26	Jan. 3	28 July 1	July 11
14 Dec. 31	Jan. 10	29 Aug. 5	Aug. 15
15 Jan. 7	Jan. 17	30 Sept. 9	Sept. 19

## DX Time Machine

*From the pages of DX News*

50 years ago ... from the August 30, 1960 DXN: Pete Taylor, Honolulu, announced that he had returned to civilian life and was now music and program director for KHVH-1040.

25 years ago ... from the September 22, 1985 DXN: Fred Vobbe, Lima, OH, announced that he was now working at WLIO-TV as chief engineer.

10 years ago ... from the September 18, 2000 DXN: Wayne Heinen, Aurora, CO re-introduced himself, stating that he started DX'ing in 1963 in Orchard Park, NY, joining the NRC in 1965.



# AM Switch

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

## CALL LETTER CHANGES

	<u>Old Call</u>		<u>New Call</u>
580	KGAY	OR	Ashland KTMT
730	KURL	MT	Billings KYVA
990	KHBZ	HI	Honolulu KIKI
1130	KTRP	OR	Mount Angel KPWX
1200	WPTK	FL	Pine Island Center WINK
1240	WINK	FL	Fort Myers WFSX
1370	WWCB	PA	Corry WHYP
1440	KDIF	CA	Riverside KFNY
1440	NEW	MP	Garapan-Saipan KKMP
1490	WECM	FL	Milton WTKE
1510	KPIG	CA	Piedmont KSFN
1690	NEW	VI	Charlotte Amalie WIGT




## CPs ON THE AIR

790	KWSW	CA	Eureka - Is on the air with U1 5000/110, reducing their nighttime power and eliminating the DA.
910	WSBA	PA	York - Having operated under a Special Temporary Authorization (STA) with U1 1250/250, <b>WSBA has returned to its original parameters of U4 5000/1000</b> at the adjusted coordinates of 39-59-57/76-44-42.
930	KNSA	AK	Unalakleet - Is now on with U1 4200/4200 from the corrected coordinates of 63-53-16/160-41-28.
1060	WILB	OH	Canton - Is now on the air with D4 15000/0 CH 15000.
1170	WRPM	MS	Poplarville - Is now on the air here (ex: 1530) with D1 1000/0.
1260	KWEI	ID	Weiser - Now on the air with U1 8400/360 from the tower formerly used by KIOV-1450 at 44-03-44/116-54-22. Since the new tower is almost twice as tall as the one previously used, the power reductions were necessary to cover the same area.
1300	WGDJ	NY	Rensselaer - Is now on with U4 10000/8000. The day pattern, from 4 towers, sends a major lobe to the northwest with minor lobes to the southeast and southwest. The night patter, from 6 towers, throws the majority of the signal to the north-northwest with a small lobe to the south-southeast.
1390	WLAN	PA	Lancaster - Now on with U1 1100/18, moving to the nearby tower of WLPA-1490 at 40-03-38/76-18-59.
1430	KLO	UT	Ogden - Is now on the air with U4 25000/5000, increasing their daytime power. The pattern remains the same, with major lobes to the north-northeast and south and a minor lobe to the west.
1590	WHGT	MD	Maugansville - After relocating from Chambersburg, Pennsylvania, <b>WHGT is now on with U4 15000/58</b> from 2 towers at 39-48-23/77-46-45. Both patterns are identical: balloon-shaped lobes to the north-northeast/south-southwest.

## ACTIONS

590	KTHO	CA	South Lake Tahoe - Licensed for U2 2500/500, KTHO is in the process of converting its towers from series-fed to skirted in order to accomodate the installation of an FM translator antenna and up to three cell phone facilities on the towers. <b>They are operating with U1 1000/125.</b> No date was given in the application as to when they anticipate returning to their licensed power levels.
740	KBRT	CA	Avalon - Filed for an STA or D1 1000/0 on 1690 kHz for the purpose of making conductivity tests "for a few days" in preparation to submitting an application for changes. The form doesn't specify the dates, so if anyone hears KBRT on 1690 . . . this is what's going on.

- 760 WCPS NC **Tarboro** - Coordinate correction to 35-55-44/77-34-13. [frequency correction from last issue]
- 910 KCJB ND **Minot** - CP granted to increase their nighttime power to become U4 5000/5000. The new night pattern is basically a circle anchored at Minot headed to the northeast.
- 940 KGMS AZ **Tucson** - Coordinate correction to 32-12-03/111-01-05.
- 1060 KOAI AR **Van Buren** - Licensed for D3 500/0, KOAI operated at an unspecified 'reduced power' from a back-up transmitter as their main transmitter was borrowed by co-owned KFAY-1030 Farmington, Arkansas to continue broadcasting as their transmitter failed. KOAI has now returned to their licensed operating parameters.
- 1170 WWVA WV **Wheeling** - Having lost all but about 40-50 feet of all three of their three towers to a windstorm, **WWVA is now operating U1 12500/12500** (normally U2 50000/50000). The application describes their action: "WWVA has removed the damaged section of tower, leaving stubs of each tower in place. From the top of the eastern most tower in the array, a long wire has been attached and bonded to this tower at the highest accessible point. This wire extends approximately 125 feet in a westerly direction to an appropriate insulating assembly, which is itself suspended by a remaining stub tower, at approximately 40 foot above ground level". Now, what does that mean to the DXer living west of Wheeling? Since their normal nighttime pattern is directed eastward, those 12,500 Watts at night throws a significant amount of signal to areas not normally covered. So, if you've never logged WWVA, this may be the opportunity. Knock. Knock.
- 1220 CJUL ON **Cornwall** - [from *Cornwalldaily.com*] "More listeners across Stormont, Dundas and Glengarry will now get up-to-date local and regional information on local radio as Corus Radio redeploys news and community event information from AM 1220 (CJUL-AM) onto its two FM stations, Variety 104.5 (CFLG-FM) and Rock 101.9 (CJSS- FM). The change becomes effective as of August 18, 2010. The move results in the closure of AM 1220 but utilizes the broader reach of Corus Radio's FM frequencies to increase distribution of local information to approximately 110,000 people. The decision to increase informational content on Corus Radio Cornwall's FM stations comes following two separate listener surveys. Over 8,000 loyal listeners were polled about their local radio needs and the respondents overwhelmingly favoured increased local content relevant to their communities."
- 1220 CHSC ON **St. Catharines** - [Update on item from last Issue] After being denied a license renewal by the CRTC due to various licensing infractions, and ordered off the air by August 31<sup>st</sup>, CHSC owner Pellpropco filed a motion on Aug 25<sup>th</sup> with the Federal Court of Appeal and a stay to appeal was granted on Aug 31<sup>st</sup>. CHSC is therefore on the air legally for the time being, probably at least until the appeal is heard and/or ruled upon.
- 
- 1240 KGY WA **Olympia** - Coordinate correction to 47-03-28/122-54-03.
- 1240 CKDR-6 ON **Atikokan** - The CRTC has approved the application for CKDR-6 to change their programming source to CFOB-FM Fort Francis, Ontario instead of the current CKDR-2-FM Sioux Outlook.
- 1360 WMOB AL **Mobile** - Licensed for U4 5000/212, WMOB is feeling the effects of urban sprawl as construction of warehouses as close as 270' from their transmitter site has caused significant problems trying to maintain their licensed parameters. Most recently, they've had to reduce the daytime power to 3.3 kW in order to reduce incidence of RF burns from the metal inside those buildings. The owners have located and purchased the property housing the former 2-tower site of WLTV, and will be filing for a CP moving to that site. In the meantime, **WMOB is operating under an STA with D1 1000/0** from a temporary site.
- 1380 WMTD WV **Hinton** - CP granted for U1 1000/13, adding night service.
- 1410 WIHM IL **Taylorville** - Licensed for U4 1000/63, WIHM is operating under an STA with undisclosed power levels for the purpose of replacement of the cables from the transmitter to the towers. No 'get well' date is specified.
- 1450 KENA AR **Fort Smith** - CP granted to move here from Mena, co-locating to the tower of KFPW-1230 at 35-23-30/94-19-54.



- 1490 WRCE NY **Watkins Glen - Licensed for U1 400/400**, WRCE has been operating under an **STA of U1 100/100** since February 2010 when their tower collapsed. In May they applied for U1 880/880 from a new replacement tower (with a folded monopole, shunt fed antenna) built at the site of the old tower. About a month ago they applied to operate with U1 400/400 from that newly-built tower. But that tower, nor the 880 Watts hadn't been authorized, so that application was denied. Now, the FCC **has granted U1 880/880** from the new tower.
- 1550 WRHC FL **Coral Gables - Applies for U4 1000/1000** changing the ci-of-license to Doral.
- 1500 KABR NM **Isleta - CP granted to change the City-of-License** from Alamo Community, **increase day power and add night and CH operation as U1 5000/25 CH 4200, all this on 1510 kHz.**
- 1590 WVNA AL **Tuscumbia - Licensed for U2 5000/1000**, WVNA lost its transmitter site and is currently operating U1 2000/2000 (correct) from the tower of WVNA-FM/WLAY-FM (and others) while they seek a permanent site.
- 1590 WSMN NH **Nashua - Licensed for U3 5000/5000**, WSMN lost the site of its 3-tower array and has applied for U4 5000/5000 at a newly-negotiated site. In the interim, **they are operating under an STA with 'no greater than' 200 Watts non-DA** from the tower of co-owned WGFM-900.

#### GRANTS FOR NEW STATIONS

- 740 NEW HI **Kihei - CP granted for U1 5000/5000 at 20-47-30/156-28-01.** Kihei is on the southwest coast of the island of Maui.
- 1240 NEW OR **Merrill - CP granted for U1 1000/1000 at 42-03-50/121-39-14.** Merrill is on the Oregon-California border southeast of Klamath Falls.
- 1240 NEW UT **Green River - CP granted for U1 250/250** from a 54 foot tower at **38-59-43/110-11-07.** Green River is on I-70 about 160 miles southeast of Salt Lake City
- 1250 NEW NV **Mesquite - CP granted for U4 5000/48 from two towers at 36-48-26/114-02-19.** The day pattern is kidney-shaped with the null to the southeast while the night pattern is basically a circle anchored at Mesquite headed to the southeast, with a small lobe to the northwest. Mesquite is on I-15 at the Nevada-Utah border.
- 1360 NEW CA **Santa Maria - CP granted for U4 2000/2000** from three towers at **34-58-52/120-22-37.** The day and night patterns are identical: circular lobes to the southwest.
- 1450 NEW NM **Flora Vista - CP granted for U1 250/250** from a 53 foot tower at **36-48-19/108-05-11.** Flora Vista is located about 10 miles northeast of Farmington.

#### AMENDMENTS TO CONSTRUCTION PERMITS

- 1060 WBIX MA **Natick - Licensed for U7 40000/2500 CH 22000** operating from two transmitter sites (day co-located with the CH; and night at the second site), WBIX has a **CP for U4 50000/2500** (eliminating the CH operation) and consolidating all operations to the current night site. This amendment requests reducing the number of towers used during daytime operation from five to three, altering the pattern slightly (both patterns throw all of the signal in a large circular shape due east).
- 1320 WJAS PA **Pittsburgh - Licensed for U2 5000/5000**, WJAS has a **CP for U2 5000/3300.** This amendment requests U2 7000/3300.
- 1440 KKMP MP **Garapan-Saipan - This new station not yet on the air, has a CP for U1 3000/500.** They are requesting an amendment to U1 1100/1100.
- 1460 WJTI WI **West Allis - Licensed for U1 500/62 at Racine, WJTI has a CP** to move to this west Milwaukee suburb **with U4 1000/240.** This amendment requests U4 185/250.
- 1490 NEW MT **Malstrom AFB - New station, not yet on the air, has a CP for U1 1000/580.** This amendment requests U1 1000/700.
- 1520 WDCY GA **Douglasville - Licensed for D1 2500/0 CH 800**, WDCY has a **CP for D3 50000/0.** This amendment requests D4 50000/0 CH 50000.

#### APPLICATIONS

- 550 KTZN AK **Anchorage - Applies for U1 3100/5000** relocating to the tower of co-owned



KENI-650.

750	KSEO	OK	Durant - Applies for D1 220/0 CH 220 and to re-locate to a new tower with co-owned FM sister station KLBC.
1000	KTOK	OK	Oklahoma City - Applies for U4 5800/5800.
1170	WKFL	FL	Bushnell - Licensed for D1 1000/0, WKFL had a CP for D4 10000/0 CH 5000, which the FCC deleted due to inactivity. But now they have re-applied for the same facilities.
1230	KLIC	LA	Monroe - Applies for U1 1000/1000 changing the City-of-License to Richwood.
1290	WTKS	GA	Savannah - Applies for U2 5300/5000.
1340	KVGC	CA	Jackson - New station, not yet on the air, has a CP for U1 270/1000. This amendment requests U1 440/210.
1340	KIKO	AZ	Miami - Licensed for U1 1000/1000, KIKO has been operating with U1 1000/1000 at a temporary location since January 2010 in order to conduct soil conductivity tests. They have now applied for U1 380/380 moving to Superior.
1430	WDIC	VA	Clincho - Applies to add nighttime service as U1 5000/54.
1450	WSDV	FL	Sarasota - Applies to move to 1300 kHz with U2 10000/8000.
1450	KVSL	NM	Show Low - Applies to move to 1470 kHz with U1 1100/80.
1490	KRSN	NM	Los Alamos - Having operated from a temporary site under an STA with U1 1000/1000 since 2006, KRSN has indicated they have secured a new tower site and have applied for U1 1000/1000 from a folded unipole antenna.
1520	WXYB	FL	Indian Rocks Beach - Applies for U1 640/60.
1550	WNZF	FL	Bunnell - Applies for U12 11000/250 CH 9500.

#### AMENDMENTS TO APPLICATIONS

690	WIST	LA	New Orleans - Licensed for U4 10000/5000, WIST applied for U4 9300/2500. They have amended the application to read U4 9300/2100.
1280	KYRO	MO	Potosi - Licensed for U1 500/84, KYRO applied to move to Troy with U1 660/70. This amendment requests U1 660/45 at Troy.
1510	WQQW	IL	Highland - Licensed for D3 1000/0 and having a CP for D3 5000, WQQW applied for D3 1000/0 moving to Belleville, Illinois on 1530 kHz. This amendment requests D4 1000/0 CH 1000 at University City, Missouri.

#### APPLICATIONS FOR NEW STATIONS

860	NEW	SD	Black Hawk - Applies for U4 50000/350.
1230	NEW	WV	Summerville - Applies for U1 1000/1000.
1240	NEW	AZ	Prescott - Applies for U1 1000/1000.



#### AM on FM

540	WGOP	MD	Pocomoke City - W264BJ (100.7) Pocomoke City
590	KLBJ	TX	Austin - K259AJ (99.7) Austin
620	KJOL	CO	Grand Junction - K258BP (99.5) Grand Junction
630	WEJL	PA	Scranton - WQFN (100.1) Forest City
670	WMTY	TN	Farragut - WLOD (98.3) Sweetwater
680	KKGR	MT	East Helena - K226BI (93.1) Helena
720	KSAH	TX	Universal City - KRIO-FM (104.1) Pearsall
730	KYYA	MT	Billings - K248BL (97.5) Billings
730	WZMF	PA	Nanticoke - W237DP (95.3) Mountaintop
750	WSB	GA	Atlanta - WBTS (95.5) Doraville
800	WNNW	MA	Lawrence - W221CH (92.1) Lawrence
830	WCCO	MN	Minneapolis - K279AZ (103.7) Cottage Grove
900	WMOP	FL	Ocala - W261BA (100.1) Ocala
920	KVIN	CA	Ceres - K290BF (105.9) Modesto
930	KKXX	CA	Paradise - K283AR (104.5) Chico
930	WRVC	WV	Huntington - W231BS (94.1) Huntington
940	WGRP	PA	Greenville - WEXC (107.1) Greenville
960	KMA	IA	Shenandoah - KMA-FM (99.1) Clarinda
970	KNWZ	CA	Coachella - K232CX (94.3) Desert Hot Springs
970	WHA	WI	Madison - W300BM (107.9) Madison
1110	WTBQ	NY	Warwick - W256BD (99.1) Warwick

1140	WRLV	KY	Salyersville - WRLV-FM (106.5) Salyersville
1140	KCXL	MO	Liberty - K275BQ (102.9) Kansas City
1200	WAMB	TN	Nashville - W257AR (99.5) Donelson
1210	WTXK	AL	Pike Road - W298BC (107.5) Montgomery
1220	WSTL	RI	Providence - W229AN (93.7) Providence
1230	WHOP	KY	Hopkinsville - W237BV (95.3) Hopkinsville
1240	WHVN	NC	Charlotte - W282BP (104.3) Charlotte
1240	WBAX	PA	Wilkes-Barre - WQFN (100.1) Forest City
1270	WEIC	IL	Charleston - W298BF (107.5) Charleston
1270	WMKT	MI	Charlevoix - W221BQ (92.1) Petoskey
1270	WQKR	TN	Portland - W240CA (95.9) Reubensville
1330	WEBO	NY	Owego - W300BV (107.9) Owego
1340	WTIF	GA	Tifton - W260AT (99.9) Tiffin
1340	KRMD	LA	Shreveport - K264AS (100.7) Mooringsport
1370	WGIV	NC	Pineville - W277CB (103.3) Charlotte
1380	WXRS	GA	Swainsboro - W246BQ (97.1) Swainsboro
1420	WVJS	KY	Owensboro - W263BG (100.5) Owensboro
1430	KKOZ	MO	Ava - KKOZ-FM (92.1) Ava
1450	KMRY	IA	Cedar Rapids - K227BL (93.3) Anamosa
1450	KBUN	MN	Bemidji - K235BP (94.9) Bemidji
1450	KHIT	NV	Sun Valley - KUUB (94.5) Sun Valley
1470	WLOA	PA	Farrell - WEXC (107.1) Greenville
1470	KKTY	WY	Douglas - K226BC (93.1) Douglas
1480	WGCK	KY	Neon - W278BK (103.5) Jenkins
1490	WRCE	NY	Watkins Glen - WPGI (100.9) Horseheads
1530	WENG	FL	Englewood - W298AV (107.5) Englewood
1560	WNWN	MI	Portage - W238AL (95.5) Portage
1570	WOKC	FL	Okeechobee - W265BV (100.9) Okeechobee
1600	WZNZ	FL	Atlantic Beach - W232AY (94.3) Jacksonville [CP to move to 107.7]
1600	WJSA	PA	Jersey Shore - W263AG (100.5) South Williamsport
1680	WPRR	MI	Ada - W237CZ (95.3) Grand Rapids

#### APPLICATIONS REINSTATED

1470 NEW AK Anchorage - Applies for U1 10000/10000.

#### DISMISSAL AND DELETIONS

1090 ----- NV South Hills - Application for a new station.

1210 KEBR CA Rocklin - Application for U4 5000/1800 moving to Arden-Arcade has been dismissed. KEBR remains U5 5000/500.

1320 WHHO NY Hornell - License cancelled; call deleted.

1340 WDCR NH Hanover - License cancelled; call deleted per licensee's request.

1340 WOYL PA Oil City - License cancelled; call deleted per licensee's request.

1510 WBSG PR Lajas - CP to move to San German with U4 10000/1000. **WBSG remains U3 1000/1000 at Lajas.**

1610 CHHA ON Toronto - The application by CHHA to upgrade to U1 10000/6250 has been denied by the CRTC. The station was late in filing annual reports with the CRTC, thought to be a mortal sin in the agency's opinion. It is thought that, although they are licenced for 24 hour operation, CHHA currently uses only 1 kW during daylight hours.

**KCXL 1140 AM**

#### HEAR AND THAR

◆ **Returning to the airwaves: WRLV-1140 Salyersville, Kentucky** returns with Country // WRLV-FM 106.5 as *Pure Country*; **WPLX-1180 Turrell, Arkansas** returns with a Blues flomat; **KSBZ-1260 Apache Junction, Arizona** returns with Talk as *NBC 1260*; **KROP-1300 Brawley, California** with talk; **WIBR-1300 Baton Rouge, Louisiana** returns to the air with smooth jazz; **WKCU-1350 Corinth, Mississippi** with Contemporary Christian as *Today's Christian Music*; **WLLN-1370 Lillington, North Carolina** returns with Spanish AC as *Radio La Grande*; **KYLS-1450 Fredericktown, Missouri** with Classic Country; and **KQLO-1590 Sun Valley, Nevada** with Spanish Religious.

☞ **Reported as Silent: WLVA-580 Lynchburg, Virginia; WLTQ-730 Charleston, South Carolina; WPDY-750 Clarksburg, West Virginia; WASP-1130 Brownsville, Pennsylvania; WPHX-1220 Sanford, Maine; WDCR-1340 Hanover, New Hampshire; WNYG-1440 Babylon, New York;**



and WRDD-1580 Ebensburg, Pennsylvania.

◆ **News Item: Pottstown Pennsylvania** — Just slightly more than eight months after Pottstown's lone radio station, WPAZ-1370, went silent, leaders of a non-profit community group trying to return it to the airwaves announced the station owner had agreed on August 12, 2010 to sell it to them for an undisclosed amount. Fans hope it will be back on the air soon. "We are now in the process of purchasing WPAZ from Great Scott Broadcasting, who accepted our offer," organizers Rick Rodgers and Ross Landy said in a scrolling message on the website of the WPAZ Preservation Association. WPAZ abruptly signed off the air December 10, 2009, during mid-morning programming. Great Scott's president, Mitchell Scott, at the time said his company was shuttering the station for financial reasons. It has been off the air since, and its offices are vacant. WPAZ signed on in 1952 as the first in a chain of the company's several radio properties. Since its closing, Rodgers, Landy and other volunteers have been busy with plans to find or raise sufficient funding to buy the station and operate it with a mix of interns, volunteers and a small paid staff. They have consistently contended WPAZ offered an important voice and information service to the community that was not being matched by other media. WEEU in Reading attempted to fill the gap and gain market share in March of this year by promoting itself in *The (Pottstown) Mercury* and elsewhere as *your area's hometown local radio station*. The effort seemed to gain little traction. The Preservation Association, however, held fund-raising concerts during the spring and kept enlisting support via Facebook, where it now boasts of almost 300 fans. It drummed up more assistance with appearances at community events like First Saturdays in downtown Pottstown, where WPAZ once occupied studios.

◆ **News Item:** Two central Pennsylvania AM stations were sold at auction on Monday, with one of them immediately up for sale again. The auction was conducted by creditor WP Media Lending and it ended up as the buyer of both properties. It's keeping one – 2-kw daytimer WWII-720 Shiremanstown. And media broker Ray Rosenblum says it's putting the other, WVZN-1580 Columbia up for sale. WVZN is currently silent and was licensed to Esfuerzo de Union Cristiana. WWII-720 is on the air doing religious programming for new owner WP Media Lending. It was licensed to the local Hensley Broadcasting.

◆ **News Item: Modesto, California** — KMPH-840 was scheduled to turn off the transmitter August 31. KMPH the 5-kw fulltime station that Pappas Radio of Modesto built to essentially replace the KTRB-860 that it moved into the San Francisco market. KMPH hit the air in July 2006, originally playing "Modern Standards" and then in March 2008 switching to a conservative talk approach named *Patriot 840*. Jim Pappas blames that on "the ongoing national, state and local economic downturn, combined with the insufficient growth in revenue" at the 5-kw station. He says "the company is no longer willing to fund" the station's operating losses. His letter ends with this promise – "when future circumstances permit, KMPH will return to the airwaves." One problem for the four-year-old station: very different day and night patterns. The daytime signal is directed Southeast and, with what the engineers call a tight null to northwest, doesn't hit Stockton very well. The nighttime signal goes north and south, centered on Modesto. BUT . . . if a buyer for KMPH can be found, the station may live.

◆ **(non)Fines:** The FCC has cancelled a \$7000 fine levied against WTCL-1580 Chattahoochee, Florida.

☞ Thanks to Shawn Axelrod, Saul Chernos, Bruce Conti, Wayne Heinen, Deane McIntyre, Dave Schmidt, Al Tobia and Radio-Info dot com.

## NRC AM Radio Log, 31st Edition

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

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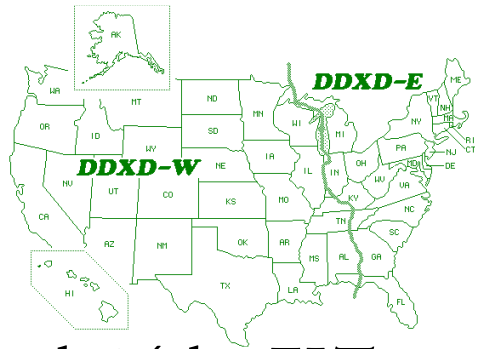


# Domestic DX Digest

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(Division line  
is between East  
and Central time  
zones)



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

### DDXD-West

Hope all of you had a good summer, had restful fun times with friends and family, and survived the various summer weather travails. And took some time to get your receivers and antennas ship-shape for another season of AM-DX thrills, chills and spills. Or something.

#### Reporters

- JJR-WI** John J. Rieger, South Milwaukee, WI Icom IC-R75, Kiwa loop, MFJ-959B tuner, pre-amp
- JW-CO** John Wilkins, Wheat Ridge, CO Drake R-8, 4-foot box loop.
- NK-IL** Neil Kazaross, Barrington, IL RX: R8A, Antennas: Phased BOG System at 273 deg 930 ft // 600 ft
- RV-TX** Robert Vance, El Paso, TX WinRadio G303e/PD, 115 ft amplified temp random wire, 3 sq meter amplified air loop
- WH-CO** Wayne Heinen, Aurora. Kiwa Loop Drake R8B, E/W Flag, N/S Flag, Dual TG-1 Termination Gizmo w/DX Engineering RPA-1 preamp and Mini DXP5.



#### Station News Changes

- 730 KLOE KS Goodland** 09/13 2000 out of NOS music promo for local talk show "... on Full Service Radio AM 730 KLOE Goodland" this one adds NOS to the format mix. **(WH-CO)**
- 1410 KIIX CO Fort Collins** 09/07 2000 out of NOS music "AM 1410 KIIX Fort Collins Loveland" to ABC News (adjust your AM Radio Log). **(WH-CO)**


#### DX Logs (All Times ELT)

- 560 CFOS ON Owen Sound** 9-10 0206. Very poor though "CFOS" jx came thru w/OLD. Possible as WIND was off. **(JJR-WI)**
- 560 WEBC MN Duluth** 9-10 0200. Poor -steady w/LID into ESPN. Possible as WIND was off. **(JJR-WI)**
- 620 KWAL ID Wallace** 8/22 0750. Man with ID: "Silver Dollar Radio, AM 620 KWAL;" not sure what preceded or followed - a rare case of only the.ID being readable and nothing else. Rare here. **(JW-CO)**
- 690 KGGF KS Coffeyville** 09/12 2200 Broke into ESPN Baseball Braves vs. Cards "The Sports Giant for the four states KGGF AM 690 Coffeyville - Independence" to ABC News. **(WH-CO)**
- 690 KTSM TX El Paso** 09/13 0200 out of a string of PSA's "NewsTalk 690 KTSM El Paso" to Fox News. **(WH-CO)**
- 690 CBU BC Vancouver** 09/13 0800 Presumed with "This is CBC News" in English over the din on frequency **(WH-CO)**
- 730 KKDA TX Grand Prairie** 8/21 0711. Ad or PSA; ID as "The Community Leader - Soul 73 KKDA," followed by an ad for online car sales; soon faded. Briefly fair before fading. **(JW-CO)**
- 740 KATK NM Carlsbad** 8/28 0700. Partially readable legal ID at ToH: "...right here on The Hippo, 740 AM KATK Carlsbad" and into more Oldies music. Rough in QRM. **(JW-CO)**
- 770 KTTH WA Seattle** 9/4 0754. Red Cross PSA, call letter ID, then back to talk; legal ID at 0800: "When you're in your car or at work, the power of Fox News Radio is here. This is 770 KTTH Seattle" and into Fox news; soon lost to CHQR and partially-nulled pest KKOB. **(JW-CO)**
- 840 KVJY TX Pharr** 8/15, 0645; Fading up with Fox Sports Radio with local ID that sounded



like "840, Pharr-town radio". (RV-TX)

- 930 WLBL WI **Auburndale** 9/11 0659. BBC World Service program ending; legal ID by female voice at 0700: "Ideas 930 AM WLBL Auburndale-Stevens Point - Talk on issues that matter to you"; NPR news followed, with an announcement that "The People's Pharmacy" program would follow. Fair signal over KOGA. (JW-CO)
- 960 KFLN MT **Baker** 9/7 2208. Good with ID's and weather after a couple minutes of local news then into C&W. Mostly atop KMA at the time and a bit prior to CFAC getting up to full nighttime levels. WSBT and easterlies phased out. KFLN leaves day power on for at least a couple hours after their sunset and is routinely heard in the time frame between their sunset and Calgary's. (NK-IL)
- 1000 KKIM NM **Albuquerque** 8-30 2159. Fair with ending religious music and with 94.7 FM and New Mexico announcements o/u phased WMVP. New and NM #12 finally logged after hundreds of attempts. (NK-IL) Wow – persistence pays off! (JDT-WA)
- 1000 KOMO WA **Seattle** 8-30 2317. Very good with local news, ads, and "you're never more than 10 minutes away from traffic and weather on "KOMO 1000" by usual gal. Well atop phased WMVP. (NK-IL)
- KOMOnews**
- 1060 CKMX AB **Calgary** 8/20 0706. Older C&W songs, "Classic Country AM 1060" slogans. Very good peaks, equal at times to semi-local KRCN. (JW-CO) 8/30 2336. Good with "Classic Country AM 1060" slogans and local ads with KYW phased. CKMX seems to be leaving day pattern on late at times recently. (NK-IL)
- 1240 KDGO CO **Durango** 09/02 2200 "News Talk and your favorite Sports NewsTalk Radio 1240 KDGO Durango" to ABC News. (WH-CO)
- 1250 KBRF MN **Fergus Falls** 09/10 0200 out of Jim Bohannon local spots AM 1250 KBRF Good Neighbor Radio" to CNN News. (WH-CO)
- 1250 KNEU UT **Roosevelt** 09/10 0800 ending C&W with a slogan "We play today's stars and legends The Basin's Real Country Music Station KNEU AM 1250 Roosevelt" to ABC News. (WH-CO)
- 1250 KTFJ NE **Dakota City** 09/09 2200 up briefly with religious programming call ID and IRN/USA news. (WH-CO)
- 1250 KYYS KS **Kansas City** 09/09 2300 Usual over reverb call sign ID dominating the channel. (WH-CO)
- 1319.96 KCLI OK **Clinton** 8/24 0736. Typical wake-up fare of news, weather, farm news, etc.; call letter ID's and CDT time checks. Fair peaks in the jumble. (JW-CO)
- 1410 KGSO KS **Wichita** 09/08 0900 out of sports promo "Sports Radio AM 1410 KGSO Wichita's Sports Leader" mixing with KIIX. (WH-CO)
- 1410 KNTX TX **Bowie** 09/08 0100 out of rock OLD "Oldies Radio 1410 KNTX Bowie" to CBS News. (WH-CO)
- 1410 KOOQ NE **North Platte** 09/08 0200 "North Platte's ESPN 1410 KOOQ" and ESPN Sports Center. (WH-CO)
- 1450 KRZY NM **Albuquerque** 09/04 0305 "La Tricolor 1450 AM" slogan and Mexican Music. Fair. (WH-CO)
- 1450 KSEL NM **Portales** 09/03 2200 ending C&W music "KSEL Portales Cow Country 1450" to CNN News. (WH-CO)
- 1450 KZNU UT **Saint George** 09/04 0805 up briefly following the news "AM 1450 KZNU". (WH-CO)
- 1460 KCLE TX **Burleson** 09/07 0401 out of C&W music "You're listening to Big Country Radio AM 1460 Burleson..." mixed with KXNO. (WH-CO)
- 1460 KXNO IA **Des Moines** 09/07 0100 "Fox Sports Radio KXNO Des Moines" to FSR programming. (WH-CO)
- 1490 KGOS WY **Torrington** 9/06 0805 "...here is KGOS/KERM weather for Torrington..." mixed with KCFC Boulder. (WH-CO)
- 1490 KNAM CO **Silt** 09/06 0800 up briefly "KNAM Silt" and covered by an UNID station with ABC News. (WH-CO)
- 1550 KAPE MO **Cape Girardeau** 09/05 0700 "Fox News Radio, NewsRadio 1550 KAPE Cape Girardeau. A News Service of Withers Broadcasting" Must have powered up, atop the channel. (WH-CO)
- 1550 KESJ MO **Saint Joseph** 09/05 0400 "ESPN 1550 KESJ St Joseph" to ESPN Sports Center. (WH-CO)
- 1550 KIVA NM **Albuquerque** 09/05 0800. "New Mexico's New Talk Radio "AM 1550" 1550

- KIVA Albuquerque jingle to CBS News. Atop the channel at this time. **(WH-CO)**
- 1550 KUAZ AZ Tucson 09/04 2000 "Car Talk coming up next on KUAZ..." promos for advertisers and NPR's Car Talk. **(WH-CO)**
- 1580 KREL CO Colorado Springs 8/21 1857. Legal ID with new call letters, ex-KKKK. Still seems to have Biz/Talk format and still mentions the Radio Colorado Network in their legal ID, though I'm not sure how much programming is still parallel to KRCN. **(JW-CO)**
- 1600 KEPN CO Lakewood 8/21, 0703. Finally caught an ID w/CL after this one has been in the mess I call 1600 for most of the evening. "ESPN Radio 1600, KEPN..." heard in the midst of KRKE-Albuquerque, KXEW-South Tucson, and some I've yet to ID. **(RV-TX)**
- 1600 KRVA TX Cockrell Hills 8/9, 2205; In through phase KRKE-Albuquerque with end of music followed by ID announcement mentioning "Radio VAB; Vietnamese-American Broadcasting..." then back into the background. Looked up VAB Radio web site highlighting "1600AM-Dallas". Caught them on 8/15 at 2100 with Vietnamese programming and legal ID "This is AM-1600 KRVA; Cockrell Hills - Dallas". **(RV-TX)**
- 1600 KXEW AZ South Tucson 8/9, 0400; In and out with Tejano music finally came up from GY-like conditions at the same time an ID did "KXEW, South Tucson. We are Tejano-1600.". **(RV-TX)**
- 1620 KOZN NE Bellevue 8/24, 2155. Coming up from QRN with announcements then ID "1600 KOZN Bellevue-Omaha-Council Bluffs, 1620 The Zone, Omaha's ESPN Radio." then back into ESPN. Was in and out for a part of the evening. **(RV-TX)**
- 
- 1620 KSMH CA West Sacramento 8/24; 2255. Heard w/Immaculate Heart Radio programming and local ads. Not for long though. Heard later in the evening talking about EWTN. **(RV-TX)**
- 1620 WTAW TX College Station 8/24, 2055. In with Laura Ingraham then "This is 1620, WTAW, College Station-Bryan" TOH ID into ABC news then back to Laura. Fair with fades. **(RV-TX)**
- 1660 KXOL UT Brigham City 9/7 2222. Fair with peaks thru KQWB/KXTR (eastern stuff phase nulled) with Mexican music and La Favorita slogan. **(NK-IL)**
- 1680 KGED CA Fresno 9/10 0742. Odd instrumental music to 0746, then quaint throaty vocals - Hmong maybe?; gal announcer at 0758 in unfamiliar language - did not sound like Vietnamese; into MoR vocals, hosted by man; noted a couple of call letter ID's and mentions of Fresno. Generally fair with good peaks with local KDDZ's IBOC nulled. **(JW-CO)**
- 1680 KNTS WA Seattle 8/30 2307. Good with SS religious oriented talk and Radio Luz ID with eastern pests phased. This is one of the easiest ways to get WA here. **(NK-IL)**  
9/7 2230. Good far atop WRJO with WPRR phased out. SS religious oriented talk and I could hear a click when they dropped to 1 kW night power and could still copy them and a Radio Luz announcement at 2231. **(NK-IL)**
- Tentative/UNID
- 690 UNID 09/13 0400 actually heard AN mixing with KTSM with ESPN programming. Dead Air at TOH. I had suspected KGGF Coffeyville as they were heard with ESPN Baseball earlier in the taping session, but I heard Coffeyville sign on over the ESPN UNID at 0600 Not KTSM as they were carrying Coast to Coast. Maybe KRGS stuck on day power? **(WH-CO)**
- 1010.02 UNID 9/14 0715. Man with EE announcement, followed by gal in SS; mentioned 1010 AM and 96.5 FM. Probably KIQI or KLAT but no other clues. Rough copy under strong CBR and soon faded. **(JW-CO)**

Your homework for this week is to write a "What I DX'd On My Summer Vacation" essay for the class. Spelling counts, penmanship (or keyboardmanship) does not.

See you next time **(JDT-WA)**

## DDXD-East

### REPORTERS

RC-MD Richard Clark, Rockville - Sony ICF2002 + Select-a-tenna

RC-OH	Richard Clark, Columbus - Sony ICF2002 + Select-a-tenna
SC-IN	Steve Chappell, McCordsville - Chrysler car radio, K9AY loop antenna
BC-NH	Bruce Conti, Nashua – RFSpace SDR IQ, MWDX-5, variable termination SuperLoop antennas northeast and south.
HF-MI	Harold Frodge, Midland - Drake R8B + 125 ft. bow-tie; 85 ft. RW & 180 ft. center-fed RW
HJH-PA	Harry Hayes, Wilkes-Barre – Zenith Trans-Oceanic 3000, Grundig S-350, 2 Kiwa pocket loops.
KK-VA	Kraig Krist, Manassas - NRD-545, homemade 134 foot multiband antenna running NW to SE.
KK-VA1	Kraig Krist, Front Royal - Tecsun PL-310
RM-CT	Ron Musco, Poquonock - Amelco R-390A, two slopers and a phasor
DY-WV	David Yocis, Shannondale – Drake R8B, Microtelecom Perseus, long-wires, Quantum phaser
MKB-ON	Mike Brooker, Toronto – Grundig G5, Grundig YB-400PE, Sony SRF-39FP, Panasonic RF-2200 (receiver emeritus)

## TIS/HAR

1650	WQGH931	MI	Farmington Hills – 8/29 1704 – local city information and instructions in case of tornado watch; call ID; approx. 4 minute loop. (HF-MI)
1670		MI	Livonia – 8/29 1655 - NOAA weather, Livonia traffic and local city information. Approx. 8 minute loop. No call ID given. (HF-MI)

## UNLICENSED/PART 15

1710	WNRC	OH	Lima – 9/12 0017 - Propagation test; Woop-woop sweep tones, NRC in code, some notes, then repeating. There's some music QRM, presumably one of the Boston area stations. Awfully readable if only 1 watt! (HF-MI)
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**WNRC 97.5 FM**

## LOGGINGS

560	WFRB	MD	Frostburg - 8/21 1954 – slogan “Fox Sports radio 14-50”. Steelers v. Giants preseason football. “WFRB” ID during game. (KK-VA1)
	WJLS	WV	Beckley - 8/22 0829 – hell-fire screaming preacher on “Break Thru” from the Mount Zion Church in West Virginia. “AM 5-60 WJLS” ID by woman, “Talk radio 5-60 forecast” local weather into “Voice of Hope”. (KK-VA1)
570	WWNC	NC	Asheville – 9/4 0200 – ID “WWNC, western North Carolina’s source for news,” into Fox News, fair-poor under WKBN, on Perseus review. (DY-WV)
580	CKWW	ON	Windsor – 8/29 2159 – Oldies, ID “580, the Motor City’s Oldies Station,” fair in mix on Perseus review. (DY-WV)
600	WCAO	MD	Baltimore - 8/21 2000 – Religious talk, ToH ID: “WCAO Baltimore, ‘the Good News Station’ 600 Baltimore.” (KK-VA1)
620	WHKB	PA	Irwin - 8/21 2001 – in mix with oldies including “Baby Hold On” by Eddie Money, “620 HKB” jingle. (KK-VA1)
	WZON	ME	Bangor – 9/4 2253 – Good at times with others. Slogan “The Sports Zone WZON”, “Sports Radio 620”. (HJH-PA)
			+++ - 9/6 0000 – Poor with station promo “620 WZON and online at zoneradio.com” then back to ESPN sports talk. (SC-IN)
	WVMT	VT	Burlington – 9/6 2148 – Good with Laura Ingram program. ID “News-Talk 620 WVMT” and weather report. (HJH-PA)
640	WHLO	OH	Akron - 8/21 2015 - Nascar racing, promo for “Shawn Hannity live at 640 WHIO”. (KK-VA1)
680	WCBM	MD	Baltimore - 8/23 0055 – in mix WPTF, “This is WCBM Baltimore and...” into news. (KK-VA)
	WPTF	NC	Raleigh - 8/23 0055 – station promo “North Carolina’s news source...week-days from 5 to 7 here on news radio WPTF and WPTF.com”. Call in show about marital problems. (KK-VA)
690	WELD	WV	Fisher – 9/5 2053 – Good signal at times. ID as “WELD, The Greatest Hits of All Time”. (HJH-PA)
730	KQPN	AR	West Memphis – 9/4 0200 – Fair but dominant on Perseus review with Fox sports, ID at 0159:50: “7-30 Fox Sports is KQPN West Memphis, Arkansas ... 7-30 Fox Sports, Memphis’s sports station.” (DY-WV)
740	WRNR	WV	Martinsburg - 8/22 0836 – local ads for Miller Honda in Winchester and



Progressive Printing in Martinsburg. "AM 7-40 WRNR Martinsburg" ID. (KK-VA1)

- 790 WPAQ NC **Mount Airy** - 8/30 2016\* - in mix with sign-off: "... WPAQ with the best in bluegrass. From the staff and management at WPAQ in the Granite City we wish you a very good evening. (KK-VA)
- 820 WSVG VA **Mount Jackson** - 8/22 0840 - "Nutcracker" orchestra music. Yes, Christmas type music in August! Promo for following Jesus' life from cradle to grave on "Music and the Spoken Word - Christmas Special". "7-90 AM WSVG" ID. (KK-VA1)
- 850 WWFD MD **Frederick** - 8/22 0845 - promo/infomercial for anti-aging miracle (also prevents joint pain) "HA Joint Formula". "WFED Washington. This is Federal News Radio" ID by woman. (KK-VA1)
- 880 WTAR VA **Norfolk** - 8/19 0055 - CNN news in mix with other talk station and Cuban R. Reloj, then into Phil Henry Show (sounds like a Rush clone), man with "WTAR" call letter ID. (KK-VA)
- WKGE PA **Johnstown** - 8/21 2027 - mixing with other talk station, ad for UNPC health plan, Altoona Curve minor league baseball game. "This is the Altoona Curve network". (KK-VA1)
- WKIX NC **Raleigh** - 8/31 1901 - oldies mixing with "Nascar Nation" on WTAR and another station with oldies, "WKIX" jingles, "WKIX 8-50 AM" ID. (KK-VA)
- 880 CKLQ MB **Brandon** - 9/5 0637 - creaming WCBS with C&W songs, "Q Country" jingle, run-down of winning provincial lottery numbers, woman with "We're Country Radio AM 880 CKLQ" ID. (MKB-ON)
- WRFD OH **Worthington** - 9/2 1902 - American Advisor financial program to 1928, into religious program. Good peaks in and out with WCBS. (HF-MI)
- WCBS NY **New York** - 9/2 1902 - Giants football coverage via "WFAN"; no WCBS ID heard till 1935; ads for Tri-State Ford, Hackensack University Medical Center & BP gasoline. Good peaks in/out with WRFD. (HF-MI) *Presumably the Giants game was moved to WCBS because of conflict with Mets on WFAN-660. Mike*
- 910 WLTP OH **Marietta** - 8/17 0606 - Poor with sports talk, ID as "Fox Radio 910 WLTP." (SC-IN)
- 920 WURA VA **Quantico** - 8/16 0055 - SS songs in mix with ESPN station, ToH ID in EE "WURA Quantico Washington", then back to Spanish singing. (KK-VA)
- 940 WCPC MS **Houston** - 8/13 0558 - in like ton of bricks with gospel talk by local preacher Brother Gladwin, ToH ID: "WCPC AM 940 Houston, Tupelo, Columbus...radio that changes the way you live" into another local gospel show, Miracle Temple Deliverance Ministry. (MKB-ON)
- WMAC GA **Macon** - 8/15 0055 - in mix with call-in show, "news talk WMAC" ID, ad for debt reduction. "WMAC weather forecast news talk 9-40 WMAC". (KK-VA)
- 960 WFGL MA **Fitchburg** - 9/12 2000 - over sports talker (presumably pest WFIR) with ToH dual ID by woman: "we are Calvary Radio WFGL Fitchburg, WJWT Gardner" into "Let My People Think" program. (MKB-ON)
- 970 WBGG PA **Pittsburgh** - 8/13 0055 - in mix with typical Fox Sports programming, "... Woodland Resorts...WBGG and WBGG HD2. Pittsburgh Fox Sports radio nine seventy. Fox Sports, go now!" (KK-VA)
- WNED NY **Buffalo** - 8/29 2159 - ID, BBC World Service news, good and atop on Perseus review. (DY-WV)
- WRHA TN **Spring City** - 8/28 2200 - Very poor with "WRHA Spring City" ID into Supremes "The Happening" at top of hour. NEW! (SC-IN)
- 1070 WNCT NC **Greenville** - 8/11 0055 - in mix with WFNI, playing oldies including "Rainy Night in Georgia" by Brook Benton, station promo "...we're giving away ...WNCT.com..." (KK-VA)
- WFNI IN **Indianapolis** - 8/11 0055 - mixing with WNCT with typical ESPN radio programming, station promo "this is your home for the Indianapolis Colts. 10-70 'The Fan'". (KK-VA)
- 1080 WTIC CT **Hartford** - 8/10 0055 - in mix with SS station, contest promo giving away tickets, ad for HD radio, PSA for American Red Cross. "WTIC news talk 10-80" ID into news followed by Coast to Coast AM. (KK-VA)
- WOAP MI **Owosso** - 8/28 0015 - over sports talk station (likely KRLD), with "Big 1080" jingle into "Western Union" by the Five Americans. WTIC off for transmitter



repairs. **(MKB-ON)**

+++ - 8/27 2315 – heard with WTIC off, playing oldies, and non-IDs as “The Big 10-80”, “Michigan’s Big O” and at 0000 a sexy sounding lady said “I love the Big 10-80”. Web search revealed WOAP is owned by Birach Broadcasting, who also own WCAR-1090, WGOP-540, WWCS-540 and WTOR-770. **(RM-CT)**

+++ - 8/27 2325 - Fair, over presumed KRLD with WTIC off for transmitter maintenance; “The Big 1080” IDs, forecast from “The Big 1080 Weather Tower,” and oldies. New log. Daytimer on fulltime? **(BC-NH)**

**KYMN MN Northfield** – 8/28 0057 – took over from WOAP as dominant station with Twins v. Mariners game, 0101 “let’s pause for station identification on the Minnesota Twins radio network”, then inserted local ID: “KYMN is my home for Northfield Raiders athletics”. **(MKB-ON)**

**WKJK KY Louisville** - 8/29 2056 - “Talk radio WKJK 10-80” ID in mix with baseball game on WTIC, ad for VA loans to purchase a new home. Call in show about home repair. **(KK-VA)**

**1090 WBAL MD Baltimore** - 8/9 0055 – in mix with other talk station, man talking about “Hunt Valley”, ad for buying old gold, “... WBAL...WBAL dot com...” ToH ID into news. **(KK-VA)**



- 8/16 1954 - “AM 10-90 WBAL” ID, mixing with WKBZ before ToH then the DX parade started; QRM included Koranic chanting and 1080 IBOC splash. **(HF-MI)**

**WAQE WI Rice Lake** – 8/18 2001 – slogan “Northwest Wisconsin’s Home for Fox Sports Radio”. Took over dominance from WBAL at ToH; good peaks, but mixing with C&W and ethnic stations plus need USB due to 1080 IBOC splash. **(HF-MI)**

**WKBZ MI Muskegon** – 8/16 1806 - Financial call-in show, sounding like Dave Ramsey, “News-Talk 10-90 WKBZ” ID after news then into Dr. Laura. Poor in mess; main QRM probably one of the EWTN religious stations. Cleanest in USB. **(HF-MI)**

**WCAR MI Livonia** – 8/17 2155 - Koranic chanting and sub-continental music noted after 2000 for past few days; finally heard, “Let your voice be heard, 525-1111”. This is WCAR’s phone number. Fair signal on peaks, but mixing with WBAL, WAQE and others. **(HF-MI)**

**1150 CKOC ON Hamilton** - 8/8 0055 – in mix with “CKOC” jingle into Bee Gees song, Troggs “Wild Thing”, “this is good time great oldies CKOC” ID into Temptations “My Girl”, slogan “Oldies 11-50 Hamilton”. **(KK-VA)**

**1160 WYLL IL Chicago** - 8/7 0055 – religious programs in mix with WCCS and other talk, station promo “11-60 praise each Monday. Let them know your praise. Request hotline at WYLL.com... Chicago’s...” **(KK-VA)**

**WCCS PA Homer City** - 8/7 0055 - mixing with WYLL with sports talk, station promo and ToH ID: “Fox Sports radio. Your home for Pirate baseball. News talk 11-60 WCCS” into Fox news followed by local news and weather. **(KK-VA)**

**WMET MD Gaithersburg** – 9/3 1816 – Now with Catholic programming, IDs, slogan “Guadaloupe Radio, radio for your soul in the DC metro area.” **(DY-WV)**

**WOBM NJ Lakewood Township** – 9/4 0159 – Oldies, ID “Good Time Oldies WOBM AM 1160 and 1310.” Ex-NOS. Would also be a format change for whichever 1310 that is now // WOBM-1160, presumably WADB. **(DY-WV)**

**1170 WWVA WV Wheeling** - 8/6 2300 – slogan “The Big One, WWVA Wheeling”. Coal mine work schedules given. Much weaker signal than usual, but still stronger than I thought it would be given its temporary transmitter status. I assume U1 pattern is being used. **(RC-MD)** *Bruce Conti notes that the FCC granted WWVA a special temporary authority (STA) for non-directional operation with maximum nighttime power of 12.5 Kw. Only 40- to 50-ft stubs remain of each of the three antenna towers that collapsed on August 4. Operation has been restored with an antenna using the remaining lower section of one tower with a horizontal wire attached to the top and running to another stub tower where it is secured by an insulator.*

+++ - 8/29 2200 - Pittsburgh Steelers game. Much stronger signal than the nearly non-existent night time signal beamed westward when they are using 50kw U2. Visit to tower site near Barton, OH confirmed they have a horizontal wire



about 50 ft above ground running from the stub of eastern most tower to the stub of the middle tower. I suspect this wire orientation produces a fairly strong signal to the east and to the west, but probably weaker signals to the north and south. Also noted 8/30 1200 – regular news at noon followed by their usual news/talk programming. Not a dominant signal as usual, but a pretty decent signal given the above described long wire configuration. **(RC-OH)**

- WFDL WI Waupun** – 8/12 2108 – over nulled WWVA (running on reduced power) with “La Bamba” by Richie Valens, “AM 1170...WFDL” ID by woman into more oldies. Lost to WWVA by 2115, presumably due to sign-off or post-sunset power cut. **(MKB-ON)**
- KFAQ OK Tulsa** - 8/29 – 2106 – in mix with Steelers pre-season football game on WWVA, Superman intro and other old time radio intros, “KFAQ Sunday night with Joe...” old time radio programs. **(KK-VA)**
- 1230 WAMM VA Woodstock** - 8/22 0743 – in mix with jazz music including the Harry James Big Band, “Music of Your Life” slogan, ads for Dish Network, Gold Label Recordings, medical imaging at Shenandoah Memorial Hospital and Woodstock Garage. Station promo “American Song Book heard here in the valley exclusively on AM 12-30 WAMM”. **(KK-VA1)**
- WCRO PA Johnstown** - 9/12 1834 – in mix with Music of Your Life type songs, station promo “There’s more coming up after the news here on WCRO Johnstown”, into news. **(KK-VA)**
- 1270 WTJZ VA Newport News** – 9/3 2100 – ID by man, black preacher, fair but atop jumble, on Perseus review. **(DY-WV)**
- CJCB NS Sydney** - 9/5 2204 - Good, over CFGT; “1270 CJCB” jingle, C&W music. **(BC-NH)**
- 1280 WFAU ME Gardiner** - 9/5 2200 - Good; “...Fox Sports Maine, 97-5 WIGY Madison, 1280 WFAU Gardiner-Augusta, and 1450 WRKD Rockland.” **(BC-NH)**
- 1300 WMVO OH Mount Vernon** – 9/4 0159 – Quick “WMVO Mount Vernon” ID, True Oldies Channel, good in mix on Perseus review. **(DY-WV)**
- 1320 WKAN IL Kankakee** – 9/4 0159 – Sean Hannity promo, “weekdays on Fox 13-20 WKAN,” fair in mix. **(DY-WV)**
- WICO MD Salisbury** – 9/3 2059 – Call letters popping up clear with WJAS on high school football coverage, probably WICO the one with Orioles baseball, fair on Perseus review. New; only 3 unheard MD left. **(DY-WV)**
- 1330 WKDP KY Corbin** – 8/29 2200 – Clear “WKDP Corbin” ID, probably them into ABC news, fair in jumble on Perseus review. Again 9/3 2100 with clear ID “Your station for news and information, 1330 WKDP AM Corbin.” **(DY-WV)**
- WWRV NY New York** – 9/4 0200 – ID in EE “WWRV 1330 AM New York, WRVP 1310 AM Mount Kisco, 530 AM Cayman Islands and British West Indies,” “Radio Visión Cristiana” jingle, SS religious music, fair in mix. **(DY-WV)**
- 1350 CKAD NS Middleton** - 9/5 2300 - Good; “1420 CKDY Digby, 1350 CKAD Middleton, 103.3 FM Weymouth, 97.7 CKEN Kentsville; AVR, an MBS radio station,” C&W music. **(BC-NH)**
- 1380 WTJK IL South Beloit** – 9/4 0200 – Promo “Rockford Riverhawks baseball is on the State Line Sports Leader, ESPN Radio 13-80 WTJK in South Beloit,” good and atop. **(DY-WV)**
- WTYM PA Kittanning** - 8/8 \*0601 - Sign on with SSB, “Radio station WTYM now begins its broadcast day..frequency 1380..1000 watts.” NEW! **(SC-IN)**
- 1440 WAJR WV Morgantown** - 8/22 0740 – in mix with oldies including Gilbert O’Sullivan’s “Alone Again Naturally”, man with WAJR ID. **(KK-VA1)**
- 1450 WFTR VA Front Royal** - 8/20 2242 - C&W songs including “Baby’s Got Her Blue Jeans On”, slogan “Classic country 14-50 WFTR”. **(KK-VA1)**
- WLYV IN Fort Wayne** – 9/11 2100 – Two IDs, “Catholic Radio AM 1450 WLYV Fort Wayne,” mention of redeemerradio.com (which is their web site), atop GY mix. **(DY-WV)**
- WPSE PA Erie** – 8/13 2254 – ID by woman, back to computer program, briefly fair in mix. **(DY-WV)**
- 1460 WXBR MA Brockton** – 8/19 2104 – ID’s during Red Sox baseball, Ads for St. Joseph’s Long Term Care Center and Stella Pizza. Fair signal. **(HJH-PA)**
- 1470 WRWB WV Huntington** – 9/10 2016 – over WNYY with Consumers Bankers Association





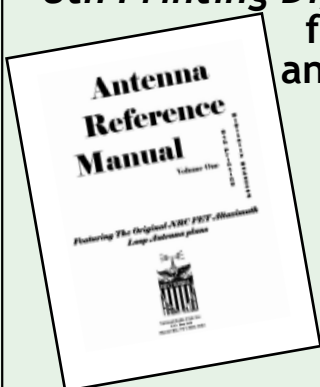
and Ad Council PSA, "you've found it...music that's safe for the entire family, WRWB AM 1470" station promo into country-gospel song. (MKB-ON)

- 1510 WWZN MA Boston - 9/14 1919 - in mix with station promo "Thanks for being with us on 'Progressive Talk 15-10 WWZN'". (KK-VA)
- 1540 WXEX NH Exeter - 9/7 2021 - Fair at times, under/over WDCD. ID's after each song, mostly 70's oldies. ID as "AM 1540 WXEX". New. (HJH-PA)
- KXEL IA Waterloo - 9/12 0455 - in mix with PSAs on preparing for disaster and identifying signs of a stroke, station promo "the Glen Beck program weekdays at 8 on new talk 15-40 KXEL". ToH ID: "the flagship station for UNI football. News talk 15-40 KXEL Waterloo Peter Falls" into ABC News, followed by local weather and Midnight Radio Network. (KK-VA)
- 1570 WANR OH Warren - 9/10 0455 - in mix with usual Fox Sports Radio programming, "Sports, news, weather...15-70 WANR" ID. (KK-VA)
- WNCA NC Siler City - 9/15 1911 - oldies in mix with WFLR, "15-70 WNCA" ID into news. (KK-VA)
- WFLR NY Dundee - 9/15 1911 - C&W songs in mix with WNCA, Spanish and gospel stations. "Finger lakes country WFLR" slogan and woman with "WFLR" ID. (KK-VA)
- 1590 WAKR OH Akron - 9/8 0455 - in mix with UNID talk station, playing oldies. "15-90 WAKR" ID by male DJ. (KK-VA)
- 1600 WWRL NY New York - 9/13 2019 - liberal talk in mix with other talk station, station website promo "WWRL sixteen hundred dot com". (KK-VA)
- 1610 CHHA ON Toronto - 9/6 0455 - SS program on "Radio Voces Latinas", ID in EE: "You are listening to CHHA 16-10 AM Radio Voces Latinas. Canada's first ethnic and community radio station. Owned and operated by... studios are located at... in Toronto Ontario Canada... postal code... telephone number is 416... (416-785-0680, per NRC Log. Mike) and the website address is www.voceslatinas.ca". (KK-VA)
- 1630 KCJJ IA Iowa City - 9/4 0455 - mixing with talk on WRDW and NVCC TIS, "KCJJ" jingle, station promo: "Broadcasting from Coralville's...this is Coralville 16-30 KCJJ...in Coralville" into local "KCJJ news and weather" then back to songs. (KK-VA)
- 1650 CINA ON Mississauga - 8/21 2127 - in mix with different version of Ricky Nelson's "Hello Mary Lou". Singer was Ricky Nelson, but song was different. French talk (*More likely you heard Hindi or some other Indian language. Mike*). Station promo in EE: "Sentimental Journey every Saturday night on CINA". (KK-VA1)
- 1660 WBCN NC Charlotte - 9/1 0455 - in mix with WQLR, station promo "Hi, this is Jason... you're listening to Charlotte's new home for news talk. America's talk WBCN" into call-in show about America's problems. (KK-VA)
- 1690 CHTO ON Toronto - 8/28 0455 - pounding WVON with endless Greek singing, woman with "AM 16-90 Toronto" in EE. (KK-VA)

**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!**

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*8th Printing Digitally Enhanced and Updated* This completely-revised book features the plans for the original NRC 4' FET Altazimuth loop antenna. Completely revamped with digitally enhanced drawings and updated material sources, it also contains other articles on the subject of antennas for medium wave DX'ers, most originally published between 1969 and 1974 in *DX News*. It includes articles on air-core and ferrite core loops, antenna tuners for longwire antennas, and antenna couplers. This is the original book which has been available for over 20 years. \$8.95 to NRC members (\$11.95, non-members). 8 1/2" X 11" bound book format. Canadian orders: PayPal or postal M. O. only. Order from NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)



# *International DX Digest*

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

It looks like we can close the books on summer DX with the wealth of logs reported here. The weekly editions start right now, so don't sit on your logs for too long. Pips, pops, hits, hets, telco fidelity, tribal shouting, growls, wailing; you name it, we got it!

## Transatlantic DX

- 171 **MOROCCO** *R.Mediterranee Internationale*, Nador (35°03'N 2°55'W) SEP 11 2210-2214 - Good with news by a man and woman in French parallel to 9575 kHz. [DeLorenzo-MA] SEP 15 2256 - Strong with Eagles hit "Hotel California" parallel a much weaker 9575 kHz. [Barstow-MA]
- 531 **ALGERIA** *Chaîne 1*, El Ain Beida (35°49'N 7°19'E) AUG 28 0044 - Parallel 549 with Arabic string music and female vocal; about same strength as adjacent 530 Cuba. [Connelly\*O-MA] SEP 11 2249-2257 - Fair with apparent radio drama: men in Arabic, crowd noise and military march music; into man wailing in Arabic at 2257. Parallel to 549 kHz. [DeLorenzo-MA] SEP 12 0255 - Good; Koranic vocals with ud accompaniment parallel 549 kHz which was a solid s9 signal. [Conti-NH] SEP 13 2258 - Parallel 549, Arabic music. 2259 woman in Arabic then top of the hour pips (5 regular and last shorter and higher pitch), woman with ID, theme music, then a man in Arabic. Also parallel a much weaker 702 kHz. Noted that all six pips were the same pitch but the last one slightly longer. Very good. [Black-MA]
- 549 **ALGERIA** *Chaîne 1*, Les Trembles (35°17'N 0°34'W) AUG 12 0159 - Arabic vocal; fair. [Connelly\*Y-MA] SEP 13 2258 - Parallel 531 and a much weaker 702 kHz. Arabic music, 2259 woman in Arabic, pips on the hour, ID, theme music, then man in Arabic. Very good. [Black-MA] SEP 17 2350 - Huge! Arabic vocal with strings and percussion, parallel a good 531 kHz. [Conti-NH]
- 576 **CANARY ISLANDS // SPAIN** *RNE5* synchros SEP 12 0300 - Fair, synchro echo; time marker and fanfare into news. SEP 17 2330 - Good; talk and music parallel 585 kHz. [Conti-NH]
- 585 **SPAIN** *RNE1* Madrid (40°28'N 3°52'W) AUG 28 0030 - Parallel 684 with newstalk by man, short segment of music; to fair peak past WEZE slop. [Connelly\*O-MA]
- 603 **SPAIN** *RNE5* synchros AUG 28 0101 - News in Spanish; poor. [Connelly\*O-MA]
- 639 **SPAIN** *RNE1* La Coruña et al. AUG 28 0059 - Parallel 774 with man in Spanish, dramatic music; fair. [Connelly\*O-MA] SEP 6 0100 - Good, solid s9 equal to adjacent 640 CBN; time marker, fanfare, "Radio Nacional de España, Informativos." [Conti-NH]
- 648 **SPAIN** *RNE1* Badajoz SEP 17 2344 - Fair, over unID music; talk parallel 684 kHz. [Conti-NH]
- 666 **PORTUGAL** *RDP1* synchros SEP 12 0300 - Poor; instrumental and recognizable signature time marker. [Conti-NH]
- 675 **NETHERLANDS** *R.Maria*, Lopik (52°01'N 5°03'E) SEP 17 2348 - Fair / poor; discussion led by soft-spoken woman, tough to hear through 680 WRKO slop. [Conti-NH]
- 684 **SPAIN** *RNE1* Sevilla (37°12'N 5°55'W) AUG 28 0100 - Pips, musical fanfare, "Radio Nacional de España, informativo"; good. [Connelly\*O-MA] SEP 10 0200 - Teletalk with man. Very good. [Black-ME]
- 693 **AZORES** *RDP Açores Antena 1*, Terceira (38°43'N 27°19'W) SEP 12 0259 - Under *BBC5*; flute instrumental and time marker parallel *RDP* 666 and 720 kHz. [Conti-NH]
- 693 **SPAIN** *RNE* synchros AUG 23 0327 - Fair peaks over / under *BBC5* which was often very good and clear to listen to. Overnight *RNE* programming in Spanish parallel 684, 774 and others. Bits of music from Azores occasionally noted also underneath. New thanx to CINF being gone. [Kazaross-WI]
- 693 **UNITED KINGDOM** *BBC Radio 5* synchros SEP 17 2340 - Excellent, solid s9 with synchro echo; live interview. [Conti-NH]
- 702 **ALGERIA** *Chaîne 1*, Djelfa SEP 13 2258 - Parallel 531 and 549 with Arabic music, woman in Arabic, pips, ID, theme music and man in Arabic. Very poor. Initially checked 8 logged frequencies for Iran but none parallel. EMWG shows low power. [Black-MA]
- 711 **FRANCE** *France Info*, Rennes (47°51'N 1°30'W) SEP 6 0047 - Good, loud het against 710

- WOR; instrumental parallel 837 kHz. [Conti-NH]
- 711.07 **WESTERN SAHARA** RTM Laâyoune (27°10'N 13°12'W) AUG 28 0045 - Arabic vocal at light audio level. [Connelly\*O-MA]
- 720 **PORTUGAL** RDP synchronos SEP 12 0200 - Fair, over nulled WGN; woman in Portuguese and signature time marker, then fanfare. [Conti-NH]
- 747 **NETHERLANDS** Radio 5, Flevoland (52°23'N 5°25'E) SEP 6 0035 - Excellent, s9+10, stronger than adjacent 750 CBGY; orchestra music, then Tony Bennett "I Left My Heart in San Francisco." [Conti-NH]
- 756 **GERMANY** Deutschlandfunk, Braunschweig & Ravensburg SEP 6 0040 - Good; classical music parallel 6190 kHz. [Conti-NH]
- 765 **SWITZERLAND** RSR Option Musique, Sottens (46°39'N 6°44'E) JUL 31 0100 - End of music, then man and woman in French; fair. [Connelly\*Y-MA] SEP 6 0045 - Good; Option Musique jingle, adult contemporary vocals. [Conti-NH] SEP 11 2318 - Light rock music. Good. [Black-MA]
- 774 **SPAIN** RNE1 synchronos AUG 28 0017 - Parallel 855 Spanish teletalk with two men; to fair peak. [Connelly\*O-MA]
- 783 **MAURITANIA** R.Mauritanie, Nouakchott (18°07'N 15°57'W) JUL 31 0102 - North African tribal female shouting with sparse instrumentation; fair. [Connelly\*Y-MA] SEP 6 0030 - Good; speaker parallel 4845 kHz. [Conti-NH] SEP 10 0100 - Two men in discussion in Arabic. Good. [Black-ME]
- 784.04 unID AUG 12 0300 - Weak het against Mauritania. Syria drifting? [Connelly\*Y-MA]
- 792 **FRANCE** France Info, Limoges (45°56'N 1°10'E) AUG 28 0100 - Parallel 1206 with bouncy music, fanfare, French news; poor. [Connelly\*O-MA] SEP 17 2335 - Good; woman with news, fanfare and music, parallel a strong 1206 kHz. [Conti-NH]
- 819 **EGYPT** ERTU Batra (31°09'N 31°27'E) SEP 12 0200 - Over Spain time marker; presumed Egypt with Koran through the hour, musical interludes and announcements at odd intervals. Unable to find shortwave or Internet parallel. [Conti-NH]
- 837 **CANARY ISLANDS // SPAIN** COPE synchronos AUG 28 0031 - Man in Spanish; poor. [Connelly\*O-MA]
- 837 **FRANCE** France Info, Nancy SEP 17 2337 - Good; talk and instrumental interludes parallel 1206 kHz. [Conti-NH]
- 855 **SPAIN** RNE1 synchronos AUG 27 2333 - Man and woman in Spanish mentioned Alemania (Germany); fair. [Connelly\*O-MA]
- 864 **FRANCE** France Bleu, Villebon-sur-Yvette (48°41'N 2°14'E) AUG 27 2333 - Guitar rock and French vocal; fair to good. AUG 28 0017 - "Let's Dance" by David Bowie. [Connelly\*O-MA]
- 873 **SPAIN** SER synchronos AUG 27 2333 - Spanish teletalk parallel 1485; over something else. [Connelly\*O-MA]
- 882 **UNITED KINGDOM** BBC R.Wales, Washford (51°10'N 3°21'W) SEP 12 0058 - Fair; bbcworldservice.com promos, BBC World Service ID and time marker on the hour. [Conti-NH]
- 909 **UNITED KINGDOM** BBC Radio 5 synchronos AUG 13 0102 - BBC news; noisy. [Connelly\*Y-MA]
- 945 **FRANCE** France Info, Toulouse (43°21'N 1°20'E) JUL 31 0100 - Piano music, fanfare, woman in French; good. [Connelly\*Y-MA] SEP 4 0200 - Fair; fanfare and woman with France Info mention into news. [Conti-NH]
- 954 **SPAIN** Onda Cero, Madrid AUG 28 0101 - Man and woman in Spanish, then teletalk; fair. [Connelly\*O-MA]
- 963 **SPAIN** R.Euskadi, Biribilondo AUG 28 0100 - ID, "Radio Euskadi y Radio Vitoria, servicios informativos"; fair. [Connelly\*B-MA]
- 972 **LIBYA** Libyan Jamahiriya, Sirte SEP 4 0358 - Good; Koranic vocal and typical North African music featuring strings and flutes. [Conti-NH]
- 981 **ALGERIA** RTVA Chaîne 2, Algiers (36°40'N 3°09'E) JUL 31 0000 - Man in French, then a short segment of dramatic-sounding music. [Connelly\*Y-MA] AUG 27 2333 - Male a cappella Arabic vocal; good. [Connelly\*O-MA] SEP 13 2258 - Arabic chanting, 2300 fanfare and short musical segment from "Love Is Blue" by Paul Mauriat, then fanfare and pips, man with ID and program with woman in French. Fair. [Black-MA]
- 999 **MOLDOVA** Voice of Russia, Grigoriopol, Maiac (47°14'N 29°24'E) SEP 10 0158-0200 - A series of 1 kHz 6-second test tones with 6-second gaps noted on LSB at 998 kHz. Per Mauno Ritola, probably Grigoriopol, Moldova, although at 0200 strongest audio was COPE Spain, but something weak underneath. [Black-ME]
- 999 **SAUDI ARABIA** BSKSA R.Quran, Tabuk AUG 27 2332 - Koranic vocal; over Spain.



- [Connelly\*O-MA]
- 999 **SPAIN** COPE Madrid (40°28'N 3°52'W) AUG 28 0045 - Man in Spanish; over WINS IBOC. [Connelly\*O-MA]
- 1008 **CANARY ISLANDS** *Punto Radio*, Las Palmas AUG 28 0045 - Non-SER Spanish talker; poor. [Connelly\*O-MA]
- 1026 **SPAIN** SER synchros AUG 28 0100 - Parallel 1044 and 1116 with ID, "Cadena SER, servicios informativos," news by woman; fair. [Connelly\*O-MA]
- 1035 **PORTUGAL** *R.Clube Português*, Belmonte AUG 28 0017 - "We've Got Tonight" by Bob Seger; good. [Connelly\*O-MA] SEP 4 0355 - Fair, over 1050 WEPN HD noise with 1030 WBZ nulled; light airy vocals. [Conti-NH] SEP 10 0300 - Pop music, "He Ain't Heavy, He's my Brother," and "Baby I Need Your Lovin." Good. [Black-ME]
- 1044 **SPAIN** SER synchros AUG 27 2333 - Telco-fidelity Spanish talk by man; occasionally over WBZ IBOC. [Connelly\*O-MA]
- 1053.02 **LIBYA** *Libyan Jamahiriya*, Tripoli (32°50'N 13°00'E) SEP 4 0415 - Fair, fluttering against *TalkSport*; frequency measurement just slightly high and separable from 1053 *TalkSport* reference. [Conti-NH]
- 1053 **UNITED KINGDOM** *TalkSport* synchros JUL 31 0206 - Talk parallel 1089; through Libya 1053.1 growl. [Connelly\*Y-MA]
- 1062 **DENMARK** *Danmarks Radio*, Kalundborg (55°40'N 11°04'E) AUG 21 0335 - Excellent, solid s9; pre sign-on open carrier. 0340 repeated alternating between two cycles of interval signal and announcement leading up to 0345 weather reports. AUG 28 0340 - Excellent; interval signals and announcement, 0345 woman in Danish. [Conti-NH] SEP 2 0357 - Pop music, then man and woman in Danish with news. Very good. [Black-MA] SEP 4 0340 - Good; signing on, *the distinct interval signal should be an easy target for inland DXers*. [Conti-NH] SEP 7 0402 - Teletalk in Danish with clip from Labor Day Obama speech, "We are not going backward..." Fair. [Black-MA] SEP 16 0340 - Pre sign-on interval signal, notes strong enough to see both side carriers on SDR spectrum analyzer. [Barstow-MA]
- 1062 **ITALY** *Rai Radiouno* synchros AUG 21 0353 - Well under Denmark; pre sign-on test tones. [Conti-NH]
- 1062 unID SEP 4 0150 - Fading between poor and good; soft talker. Likely Iran or possibly Turkey with Ramadan extended programming. [Conti-NH]
- 1080 **SPAIN** SER synchros AUG 27 2333 - Parallel 1116 with man in Spanish; about even with reduced-power WTIC. [Connelly\*O-MA] AUG 28 0347 - Fair with WOAP nulled out; woman in Spanish and instrumental music parallel 1116 kHz. WTIC was off the air for transmitter maintenance. [Conti-NH]
- 1088 **ANGOLA** *R.Nacional de Angola*, Mulenvos (8°51'S 13°19'E) AUG 13 0100 - Bits of talk, but mostly just a het against 1089 UK. [Connelly\*Y-MA] AUG 28 0155 - Loud het against 1089 *TalkSport*, over low-level 1100 WTAM HD noise. [Conti-NH]
- 1089 **UNITED KINGDOM** *TalkSport* synchros JUL 31 0200 - Parallel 1053 with political teletalk; to good peak. Slight 1088 Angola het. 0207 ID, "DAB digital radio, 1089 and 1053 AM, *TalkSport*"; good. [Connelly\*Y-MA] AUG 27 2333 - *TalkSport* ID, advert mentioning something costing 3000 pounds; getting by daytimer WILD. [Connelly\*O-MA] AUG 28 0200 - Good; "On DAB digital radio, 1089 and 1053 AM, official broadcaster of the Barclays Premier League..." into news, "Good morning..." SEP 4 0420 - Good, over 1088 Angola het; political talk about European Union. [Conti-NH]
- 1098 **SPAIN** RNE5 synchros AUG 14 0100 - Pips, fanfare music, "Radio Nacional de España, informativo"; fair. [Connelly\*Y-MA]
- 1107 **SPAIN** RNE5 synchros AUG 14 0101 - News by man parallel 1098; fair over 1107.12 growl. [Connelly\*Y-MA]
- 1116 **ITALY** *Rai Radiouno* synchros AUG 21 0350 - Under SER Spain; pre sign-on test tones. [Conti-NH]
- 1116 **SPAIN** SER synchros JUL 31 0200 - Pop song, pips, Cadena SER mention, newstalk by woman; fair. [Connelly\*Y-MA] AUG 29 0200 - Good; time marker, fanfare, woman: "Cadena Ser, servicios informativos." [Conti-NH]
- 1125 **BELGIUM** RTBF *VivaCité*, Houdeng (50°29'N 4°08'E) JUL 31 0201 - French news by man; slightly over Spain. [Connelly\*Y-MA]
- 1125 **SPAIN** RNE5 synchros AUG 27 2333 - Segment of blues music, then man and woman in Spanish; fair. [Connelly\*O-MA] AUG 29 0143 - Good; talk parallel 1152 kHz. [Conti-NH]
- 1134 **SPAIN** COPE synchros AUG 27 2333 - Parallel 1215 with talk about something happening "mañana," a bit of mood music, then more Spanish talk; to good peak on USB to dodge WBBR. [Connelly\*O-MA] AUG 29 0140 - Good with synchro echo; in-studio discussion parallel 1143

- kHz. [Conti-NH]
- 1143 **SPAIN** COPE sychros AUG 27 2334 - Man in Spanish; in tough CBI slop. [Connelly\*O-MA]
- 1152 **SPAIN** RNE5 sychros AUG 28 0101 - Echoey fast talk Spanish news by man. [Connelly\*O-MA]
- 1161.02 **IRAN** IRIB Abadan AUG 27 2333 - Koranic vocal occasionally getting through heavy WSKW oldies splatter. Iran? [Connelly\*O-MA] AUG 29 0100 - Fair; presumed this with Koran through the hour. Measured frequency offset slightly high which corresponds with the mwoffsets online database. [Conti-NH]
- 1179 unID AUG 21 0255 - Fair; classical music. Not parallel *România Actualit□ti* streaming audio, possibly parallel *R.Sweden P2* classical music streaming audio but signal faded before getting a lock on it. EMWG and WRTH don't list P2 relay. Gently splashing water sound effect was playing on P1 streaming audio. [Conti-NH]
- 1206 **FRANCE** France Info, Bordeaux (44°57'N 0°11'W) AUG 12 0201 - French news by woman parallel 1377 kHz. [Connelly\*Y-MA]
- 1215 **KALININGRAD** VOR Bolshakovo AUG 21 0230 - Under *Absolute*; news/talk in English. SEP 4 0500 - Under *Absolute*; signature "Bells of Kiev." [Conti-NH]
- 1215 **SPAIN** COPE sychros JUL 31 0201 - Fast Spanish newstalk by man; under UK. [Connelly\*Y-MA] AUG 27 2333 - Parallel 1134 with talk about "mañana"; over UK. [Connelly\*O-MA]
- 1215 **UNITED KINGDOM** *Absolute Radio* sychros JUL 31 0207 - Contest to win tickets to a festival, *Absolute Radio* ID, then "Don't Dream It's Over" by Crowded House; good. AUG 12 0200 - *Absolute Radio* ID, advert about a 25% off sale. [Connelly\*Y-MA] AUG 21 0210 - Excellent, s9+10 local-like; The Who "Won't Get Fooled Again," female presenter, 0220 Gary Newman "Cars," 0234 promo, "...on DAB digital radio." SEP 4 0425 - Good, over het from presumed Albania on the low side; promo/ad string, then "Place Your Hands" by Reef. [Conti-NH] SEP 12 0243-0248 - Fair with liner by female, "Absolute Radio, every morning when you wake up," ad for a lawyer, then into "I'm Fine" by The Soup Dragons. [DeLorenzo-MA]
- 1224 **SPAIN** COPE sychros SEP 6 0200 - Fair; time marker, time check, fanfare into news. [Conti-NH]
- 1251 **LIBYA** *Libyan Jamahiriya*, Tripoli (32°50'N 13°00'E) AUG 28 0031 - Male Arabic vocal at light audio level on good carrier. [Connelly\*O-MA]
- 1269 **GERMANY** *Deutschlandfunk*, Neumünster (54°03'N 9°51'E) AUG 28 0059 - Classical music; poor. [Connelly\*O-MA] SEP 6 0250 - Fair; classical music parallel 6190 kHz. [Conti-NH]
- 1296.31 **SPAIN** COPE Valencia SEP 6 0145 - Good; off-frequency again, producing a loud het against 1296 unIDs. [Conti-NH] SEP 12 0500 - Carrier only. [Black-MA]
- 1296 **SUDAN** SRTC Reiba (13°34'N 33°32'E) AUG 27 2333 - Man in Arabic; to fair peak. [Connelly\*O-MA] SEP 6 0240 - Fair, over 1296.31 Spain; Koranic recitations, parallel 7200 kHz. [Conti-NH]
- 1305 **SPAIN** RNE5 sychros AUG 27 2332 - Parallel 1125 with woman in Spanish; poor. [Connelly\*O-MA]
- 1314 **SPAIN** RNE5 sychros AUG 27 2333 - Music and talk parallel 1125; to fair peak. [Connelly\*O-MA] SEP 6 0200 - Good, over an unID off-frequency station on the low side producing a sub-audible het/growl. [Conti-NH]
- 1359 **SPAIN** RNE Arganda del Rey (40°18'N 3°25'W) AUG 28 0048 - Spanish talk; in slop. [Connelly\*O-MA]
- 1377 **FRANCE** France Info, Lille (50°31'N 2°59'E) AUG 13 0130 - Jazz, fanfare music, woman in French; fair. [Connelly\*Y-MA]
- 1413 **SPAIN** RNE5 sychros AUG 12 0301 - Fast Spanish newstalk by man; a bit over WVAE IBOC. [Connelly\*Y-MA] AUG 28 0031 - Good with dramatic-sounding presentation, low-voiced man and musical interludes. [Connelly\*O-MA] SEP 12 0000 - Fair, synchro echo; time marker, fanfare into news. An unID signal at 1413.92 fading in/out and causing a het against 1413 kHz. [Conti-NH]
- 1422 **ALGERIA** *R.Algérienne*, Algiers (36°40'N 3°09'E) AUG 8 0010 - Fair; flute music parallel 252 kHz. [Conti-NH]
- 1422 **GERMANY** *Deutschlandfunk*, Heusweiler (49°21'N 6°55'E) AUG 12 0202 - German news by man; briefly over French talk from Algeria. [Connelly\*Y-MA] AUG 15 0253-0259 - Fair with man in German and rock music, parallel to 6190 kHz. [DeLorenzo-MA] AUG 21 0140 - Good; opera music parallel 6190 kHz. [Conti-NH] AUG 28 0031 - Female Arabic vocal and orchestra; good. [Connelly\*O-MA]
- 1431 **DJIBOUTI** *R.Sawa*, Arta (11°31'N 42°50'E) AUG 27 2330 - Mellow vocal, Sawa mention in Arabic talk by man; fair through slop. [Connelly\*O-MA]

- 1440 **LUXEMBOURG** RTL Marnach SEP 11 2359 - Good! "Hi there, you're listening to KBS World Radio, Korea's only international broadcaster... shortwave, mediumwave, and DRM..." and instrumental anthem. [Conti-NH] SEP 12 0400 - Pips then RTL ID, ad for "Missionswerk Heukelbach," a religious program carried by RTL in German. Recorded; good. Thanks to Chuck Hutton and Mauno Ritola via RealDX. SEP 15 2359 - Woman in English, "You're listening to KBS World Radio, Korea's only international broadcaster... we bring Korea to you... On AM and FM radio, shortwave, mediumwave and DRM," then gave website world.kbs.co.kr. Fair under WEEI network baseball. [Black-MA]
- 1476 **SPAIN** *Euskadi Irratia*, San Sebastian AUG 28 0030 - Two men in Spanish; poor. [Connelly\*O-MA]
- 1485 **MELILLA** // **SPAIN** SER synchros AUG 27 2332 - Telco-fidelity Spanish talk parallel 1044; fair. [Connelly\*O-MA]
- 1503 **IRAN** IRIB *Sarasary*, Bushehr (28°58'N 50°51'E) SEP 11 2330 - Fair; speaker in an echoey room, parallel *Sarasary* streaming audio. All IRIB channels online at [www.radio.ir/channel\\_live.htm](http://www.radio.ir/channel_live.htm). [Conti-NH]
- 1503 **SPAIN** RNE5 Piñeira and La Línea de la Concepción AUG 27 2333 - Man and woman in Spanish; mixed with others; luckily less WBAE IBOC at Orleans than at Rockport. [Connelly\*O-MA]
- 1512 **GREECE** ERA Chania SEP 16 0356 - Fair; light music, news on the hour by a woman. Faded out in 5 minutes but managed to parallel on 1404 kHz. [Barstow-MA]
- 1521 **SAUDI ARABIA** BSKSA Duba (27°20'N 35°45'E) AUG 12 0000 - 5 short pips, a longer one, musical fanfare, then news by man in Arabic. AUG 13 0118 - Dramatic Arabic talk by man, high-wind sound effects; loud. [Connelly\*Y-MA]
- 1530 **SAO TOME E PRINCIPE** VOA Pinheira (0°18'N 6°46'E) AUG 12 0300 - Yankee Doodle sign-on music, VOA news by man in English; over/under WCKY. [Connelly\*Y-MA]
- 1530 **VATICAN** R.Vaticana, Vatican City (42°03'N 12°19'E) SEP 6 0359 - Good, in WCKY null; one cycle of interval signal, chamber instrumental into Polish program. [Conti-NH] SEP 7 0359 - Interval signal then religious hymn music. Poor under WCKY. SEP 15 0400 - A nice interval signal but the programming was mangled by WCKY. [Black-MA]
- 1539 **GERMANY** *Evangeliums Rundfunk*, Mainflingen (50°00'N 8°55'E) SEP 16 0415 - Fair to good; choir music, breaks with a man seemingly telling a story. [Barstow-MA]
- 1548 **KUWAIT** R.Sawa, Kabd-Kuwait City (29°10'N 47°32'E) JUL 31 0030 - Male Arabic slow vocal; fair. [Connelly\*Y-MA]
- 1557 **FRANCE** *France Info*, Fontbonne (43°46'N 7°25'E) AUG 12 0300 - Country-style vocal, music fanfare, news by woman in French; over WQEW slop. [Connelly\*Y-MA]
- 1575 **UNITED ARAB EMIRATES** R.Farda, Al Dhabiya (24°11'N 54°14'E) JUL 31 0030 - Pop mid-east music, Farda ID; to fair peak over second station that was probably Spain. [Connelly\*Y-MA]
- 1602 **SPAIN** SER synchros AUG 23 0343 - Poor to fair, mostly under *Euskadi* from Vitoria which was decent with usual Spanish music. The high end of the band seemed to peak nicely to Spain at this time. SER Spanish news/talk was parallel 873 (mixed with AFN) and 1116 (WISN IBOC phased). Rare. [Kazaross-WI]
- 1602 **SPAIN** R.Vitoria, Vitoria, JUL 31 0031 - Spanish female vocal; over SER talker. [Connelly\*Y-MA]
- 1611 **ITALY** R.Vaticana, Santa Maria di Galeria (41°54'N 12°27'E) SEP 16 0426 - Fair with talk. [Barstow-MA]

#### Pan-American DX

- 526 **BAHAMAS** ZLS Stella Maris AUG 12 0200 - ZLS code IDs; over static crashes. [Connelly\*Y-MA]
- 530 **CUBA** R.*Enciclopedia*, La Habana AUG 12 0200 - Usual tropically-influenced lounge / elevator music, Spanish talk by woman; over 531 het. [Connelly\*Y-MA]
- 540 **GRENADA** GBC *Klassic AM*, St. George's (12°04'N 61°45'W) AUG 28 0044 - Reggae music likely this; briefly over CBT. [Connelly\*O-MA]
- 540.18 **NICARAGUA** YNOW R.*Corporación*, Managua AUG 12 0200 - Het, bits of Spanish talk; separable from 540 CBT and others. [Connelly\*Y-MA]
- 555 **ST. KITTS & NEVIS** ZIZ Basseterre (17°19'N 62°44'W) SEP 10 0200 - Good; pop music and island accented DJ announcing over music. At 0815 woman with news in English was almost local like. [Black-ME]
- 570 **CUBA** CMDC R.*Reloj*, Santa Clara (22°24'N 79°56'W) AUG 28 0044 - Reloj news, ticks, beeps; mixed with WMCA and unID in Spanish. [Connelly\*O-MA]



- 580 **PUERTO RICO** WKAQ San Juan (18°26'N 66°08'W) AUG 28 0102 - Puerto Rican news interview with man and woman in Spanish; over WTAG. [Connelly\*O-MA] SEP 2 0000 - Full ID with many WKAQ and Puerto Rico mentions. Very good. SEP 12 0000 - Full IDs and jingles, announcing frequencies, many WKAQ, San Juan and Puerto Rico mentions. Good. [Black-MA]
- 600 **CUBA** CMKV *R.Rebelde*, Urbano Noris (20°35'N 76°08'W) AUG 12 0200 - Rebelde news about Congo, Guantanamo, parallel louder 670 kHz. [Connelly\*Y-MA]
- 610 **CUBA** CMAN *R.Rebelde*, Bahía Honda (22°53'N 83°09'W) AUG 12 0159 - 9-note interval signal parallel 600, 670; way under WGIR. [Connelly\*Y-MA]
- 620 **CUBA** *R.Rebelde*, multiple sites AUG 28 0100 - News parallel 600; over WZON. [Connelly\*O-MA]
- 640 **CUBA** *R.Progreso*, multiple sites AUG 12 0202 - Festive music parallel 690; mixed with CBN and WNNZ. [Connelly\*Y-MA]
- 650 **CUBA** unID AUG 28 0044 - "Wobbler" signal pretty much taking out the channel. [Connelly\*O-MA]
- 650 **VENEZUELA** YVLH *Arangueña 650*, Maracay SEP 1 2357 - First thought to be an unID Brazilian due to man and woman in Portuguese, there is an "Arangueña" mention at 2358 followed by "Moliendo Café," a Venezuelan tune by Hugo Blanco (YouTube available for comparison). Also a "Venezuela" mention at 0004. Recorded; fair-good. Many thanks to Henrik Klemetz that this could be a program paid for by a Brazilian church, as there are many Portuguese (although not Brazilian) immigrants in the area. [Black-MA]
- 670 **CUBA** CMQ *R.Rebelde*, Arroyo Arenas (23°00'N 82°30'W) AUG 13 0100 - Cuban news by woman, Rebelde sounders/stingers between items. [Connelly\*Y-MA] SEP 12 0000 - Cuckoo fanfare then Rebelde theme and ID. Very good. [Black-MA]
- 670 **VENEZUELA** YVLL *R.Rumbos*, Caracas (10°29'N 66°59'W) AUG 28 0045 - Rumbos ID; under Cuba. [Connelly\*O-MA]
- 690 **BRAZIL** *R.Shalom*, Fortaleza SEP 1 2359 - Man and woman in Portuguese, "690 AM, Un sinal de paz no ar." Recorded; fair. WRTH lists *Dragão do Mar* which has been sold to a Catholic organization operating *R.Shalom* per Henrik Klemetz via RealDX. [Black-MA]
- 690 **CUBA** *R.Progreso*, Jovellanos (22°49'N 81°10'W) AUG 13 0130 - "Progreso de Habana" and "Alegría" mentions, then Cuban vocal and drum music; fair/dominant. [Connelly\*Y-MA] SEP 12 0101 - Parallel 750 program "Nocturno." Woman gave URL address [www.radioprogreso.cu](http://www.radioprogreso.cu). Recorded; good. Thanks to Sylvain Naud via RealDX for help. [Black-MA]
- 700 **BRAZIL** ZYK686 *R.Eldorado*, São Paulo (23°32'S 46°37'W) SEP 2 0000 - Man in Portuguese, apparent futebol announcing. Poor-fair. [Black-MA]
- 720 **BRAZIL** ZYI770 *R.Clube*, Recife SEP 2 0000 - Parallel 740 Portuguese futebol announcing and São Paulo mentions. Mixing with unID Spanish religious program. Recorded; good. [Black-MA]
- 720 **VENEZUELA** YVQE *Oriente 720*, Porlamar (10°56'N 64°12'W) AUG 28 0100 - "En Venezuela, Oriente" ID; slightly over others. [Connelly\*O-MA]
- 740 **BRAZIL** ZYH446 *R.Sociedad da Bahia*, Salvador (12°57'S 38°30'W) SEP 2 0000 - Parallel 720 futebol announcing in Portuguese. Very good. [Black-MA]
- 740 **MEXICO** XECW Los Mochis, Sin (25°50'N 109°04'W) SEP 5 1200 - Relaying "Estéreo Joya 93.7" (XE oldies) to 1205, then break for local ID, ad, and program note; back to FM relay at 1207. They usually have local news at 1200 but not today. There is at least one other Spanish station underneath that hopefully will punch thru one of these days. [Wilkins-CO]
- 750 **CUBA** CMHV *R.Progreso*, Trinidad (21°48'N 79°59'W) AUG 12 0300 - Parallel 690 and 900 with nostalgic Cuban music; poor to fair. [Connelly\*Y-MA]
- 750 **VENEZUELA** YVKS *RCR* Caracas (10°29'N 67°00'W) AUG 28 0045 - Talk about Maracay, other cities; over CBGY. [Connelly\*O-MA] SEP 2 0000 - Full ID with numerous Caracas and Venezuela mentions, a "Take me out to the ball game" riff, then Spanish talk. Very good. [Black-MA]
- 760 **BRAZIL** ZYH588 *R.Uirapuru*, Fortaleza (3°45'S 38°31'W) SEP 2 0000 - Man and woman in Portuguese. Fortaleza mentions. Very good. [Black-MA]
- 770 **CUBA** *R.Rebelde*, Las Mercedes AUG 12 0303 - 9-note musical signal, talk parallel 670 kHz. [Connelly\*Y-MA]
- 770 **MEXICO** XEREV Los Mochis, Sin AUG 25 1200 - Música juvenil; full ID by male voice at 1202:40: "Desde Los Mochis, Sinaloa, XEREV-AM 770 AM, diez mil wats de potencia..."; also gave address (Callejón Sinaloa 442 Poniente); a bit of music was followed by MDT time check, ads, and then chit-chat with giggling and silliness to 1215 fade. Good on peaks, topping pest KKOBB at times. Last heard as XEJJR; changed call letters 2 or 3 years ago. [Wilkins-CO]

- 780 **BRITISH VIRGIN ISLANDS** ZBVI Roadtown, Tortola SEP 12 0000 - Man with "From 300 feet above Roberts Bay, Tortola, this is radio station Zed-BVI." Good. [Black-MA]
- 780 **MEXICO** XEWGR Monclova (26°56'N 101°27'W) AUG 25 1141 - Local talk show on program "Buenos Días Coahuila"; man announcer with CDT time checks and temperature checks; ads and/or PSAs at 1146, then "Mission Impossible" theme and back to talk at 1148. Still have not heard call letters for this one, ex-XEMF, just "Exa FM" slogans. Generally fair in WBBM null. [Wilkins-CO]
- 780 **VENEZUELA** YVMN *R.Coro*, Coro (11°23'N 69°40'W) AUG 28 0045 - *R.Coro* ID, tropical music; fair. [Connelly\*O-MA]
- 790 **CUBA** CMAQ *R.Reloj*, Pinar del Río (22°25'N 83°43'W) AUG 12 0300 - Reloj program mixed with WPRV. [Connelly\*Y-MA]
- 800 **NETHERLANDS ANTILLES** PJB *TransWorld Radio*, Bonaire (12°06'N 68°17'W) AUG 28 0030 - Woman with ID, "Aquí Radio Transmundial, transmite desde Bonaire, Antillas Holandesas"; fair to good over co-channels, Spain 801 het on USB and probable WGY IBOC on LSB. [Connelly\*O-MA]
- 810 **BAHAMAS** ZNS3 Freeport SEP 8 1000-1003 - Strong in WGY null with slogan by man, "Radio 810 AM, The Power Source," followed by woman with Caribbean accent introducing Pastor William Calvin Parker, then hymn "If You Go In Jesus' Name." At 1003 announcement by woman mentioning "The Worldwide Church of God... in Freeport, Grand Bahama." [DeLorenzo-MA]
- 819.55 unID AUG 28 0045 - Off-channel carrier, has been noted before. [Connelly\*O-MA]
- 820 **ST. KITTS & NEVIS** TBN/*R.Paradise*, Charlestown (17°08'N 62°37'W) AUG 13 0118 - Good with black preacher talking about poverty. [Connelly\*Y-MA] SEP 10 0155 - Country style religious music, "Some call him Jesus, I call him friend." 0904 woman preaching and asking blessing for Radio Paradise. 0905 woman with "Across the Eastern Caribbean and beyond, from studios on... this is Radio Paradise." Very good. [Black-ME]
- 830 **MEXICO** XEVQ Navolato, Sin AUG 28 1159 - XE anthem; full ID at 1201, just partially readable, then into XE music. Rough under WCCO. [Wilkins-CO]  
830 **MEXICO** XEIK Piedras Negras, Coah SEP 1 1110 - Call letter ID, power, and frequency given, followed by ads. Poor copy. [Wilkins-CO]
- 840 **BRAZIL** ZYK687 *R.Bandeirantes*, São Paulo SEP 2 0000 - Portuguese futebol announcing. Good. [Black-MA]
- 840 **CUBA** CMHW *Doblevé*, Santa Clara (22°24'N 79°56'W) SEP 12 0059 - Man with "Esta es Doblevé... Santa Clara." Good. [Black-MA]
- 840 **HAITI** 4VEH Cap Haitien AUG 12 0300 - Good with 4VEH ID. AUG 13 0100 - French talk, 'jingle bells' riff, gospel vocal; slightly over mess. [Connelly\*Y-MA] SEP 10 0100 - Top of the hour fanfare, man in French with "This is Cap Haitien, you are listening to 4VEH," then time check and woman preacher quoting Genesis 12. Good. [Black-ME] SEP 12 0055 - Fair; singing "Hallelujah" to an African rhythm, announcements in French, and more inspirational music. [Conti-NH]
- 860 **CUBA** CMDB *R.Reloj*, Baracoa (20°21'N 74°29'W) AUG 12 0300 - "RR" code, Spanish talk; mixed with CJBC. [Connelly\*Y-MA]
- 860 **ST. KITTS & NEVIS** *Voice of Nevis*, Bath Village (17°07'N 62°37'W) AUG 27 2332 - Caribbean English talk by woman, soca music; poor, mixed with Latin Americans. AUG 28 0045 - Soca vocal, "Von" mention, then "How Deep is Your Love" by the Bee Gees. [Connelly\*O-MA] SEP 13 2300 - Woman in Caribbean accent then man with "VON Radio St. Kitts and Nevis." Fair; first log on new frequency since moving from 895 kHz. [Black-MA] *How much longer before the 555 split moves on-channel?*
- 870 **CUBA** CMDT *R.Reloj*, Sancti Spíritus (21°56'N 79°26'W) AUG 28 0017 - Reloj program; over WLVP. [Connelly\*O-MA]
- 880 **VENEZUELA** YVYM *R.Venezuela*, Puerto Ordaz (8°15'N 62°42'W) AUG 27 2334 - *R.Venezuela* ocho-ochenta ID; mixing with WCBS. [Connelly\*O-MA]
- 890.112 **DOMINICAN REPUBLIC** HIPJ *R.Continental*, Santo Domingo AUG 13 0059 - Man in Spanish; briefly splittable from WAMG Spanish music. [Connelly\*Y-MA]
- 900 **CUBA** CMKP *R.Progreso*, Cacocum-San Germán (20°44'N 76°20'W) AUG 12 0300 - Parallel 690 and 750 with nostalgic Cuban music; good. [Connelly\*Y-MA]
- 940 **PUERTO RICO** WIPR San Juan AUG 28 0101 - "Esta es WIPR, nueve cuarenta AM en San Juan, Puerto Rico"; to good peak. [Connelly\*O-MA] SEP 2 0000 - Full ID with man and woman, then into mellow ballad. Recorded; very good. [Black-MA] SEP 4 0159 - Fair; "... música nuestra" promo, "Esta es WIPR... en San Juan..." and Hispanic folk instrumentals. [Conti-NH] SEP 12 0000 - Man with "Esta es WIPR AM... en San Juan, Puerto Rico," and

- jingle ID. Good. [Black-MA]
- 950 **CUBA** *R.Relej*, La Habana & Mayari Arriba AUG 28 0030 - Man and woman with Cuban news, ticks, beeps; dominant over CKNB/others. [Connelly\*O-MA]
- 960 **CUBA** *R.Relej*, multiple sites AUG 28 0100 - Relej program; good over WEAV. [Connelly\*O-MA]
- 960.15 unID SEP 12 0000 - Carrier only. [Black-MA]
- 1000 **BRAZIL** ZYK522 *R.Record*, São Paulo SEP 2 0000 - Man in Portuguese with *R.Record* ID and jingle. Fair. [Black-MA]
- 1000 **MEXICO** XEMIL Los Mochis, Sin SEP 11 1032 - Call letter ID, mention of Los Mochis, not much else. Rough with XEFV and others. Have not heard this one in a while. [Wilkins-CO]
- 1020 **CUBA** *R.Relej*, AUG 28 0044 - Relej news; over others. [Connelly\*O-MA]
- 1030 **MEXICO** XESDD Ensenada, BCN AUG 20 1121 - Banda music; full ID at 1132. Good peaks in KTWO null. [Wilkins-CO]
- 1039.615 **VENEZUELA** YVLB *La Voz de Carabobo*, Valencia (10°08'N 67°57'W) AUG 28 0101 - Het, bits of audio. [Connelly\*O-MA] SEP 2 0002 - Strong carrier only, threshold audio. MWOffsets shows YVLB *La Voz de Carabobo*, Valencia. [Black-MA]
- 1060 **DOMINICAN REPUBLIC** HIRV *R.Amanecer*, San Pedro de Macoris AUG 28 0100 - likely this with religious Spanish talk. [Connelly\*O-MA]
- 1060.285 unID AUG 28 0100 - Het. [Connelly\*O-MA]
- 1080 **VENEZUELA** YVNR *Mundial 1080*, Maracay AUG 28 0049 - "Mundial" slogan and electronic sounder; under WTIC. [Connelly\*O-MA]
- 1100 **BRAZIL** ZYK694 *R.Globo*, São Paulo SEP 2 0000 - Man in Portuguese. São Paulo mentions. Very good. [Black-MA]
- 1100 **COLOMBIA** HJAT CARACOL Barranquilla JUL 31 0206 - CARACOL ID; over WTAM/Brazil. [Connelly\*Y-MA]
- 1100.08 unID AUG 28 0100 - Weak het growl. [Connelly\*O-MA]
- 1110 **VENEZUELA** YVQT *R.Carúpano*, Carúpano (10°40'N 63°18'W) AUG 28 0044 - "En Venezuela, Carúpano"; mixed with WBT. [Connelly\*O-MA]
- 1129.91 unID AUG 28 0100 - Het growl against WBBR. [Connelly\*O-MA]
- 1160 **BERMUDA** VSB3 Hamilton (32°18'N 64°46'W) AUG 28 0018 - BBC reporting by woman; slightly over jumble. [Connelly\*O-MA] AUG 29 0110 - Good, dominant signal; BBC World Service. [Conti-NH]
- 1170 **COLOMBIA** HJNW CARACOL Cartagena (10°27'N 75°32'W) AUG 12 0200 - Colombia and CARACOL Radio mentions; over jumble. [Connelly\*Y-MA] AUG 28 0200 - Fair; jingle and fanfare. WWVA seemed to be off the air. [Conti-NH] SEP 12 0600 - Teletalk in Spanish. Many Caracol and Colombia mentions. Good. [Black-MA]
- 1180 **CUBA** *R.Rebelde*, Villa María (23°07'N 82°22'W) & others AUG 28 0044 - Parallel 600 and 670 with two men in Spanish mentioning "Julio"; good. [Connelly\*O-MA]
- 1220 **BRAZIL** ZYJ458 *R.Globo*, Rio de Janeiro (22°55'S 43°13'W) AUG 28 0030 - Globo jingle, then reverberated Portuguese shouting by man mentioning São Paulo; fair. 0044 Globo IDs, ray gun sounds; good. [Connelly\*O-MA] SEP 2 0000 - Futebol announcing in Portuguese. Good. [Black-MA]
- 1240 **MEXICO** XERO Aguascalientes, Agua AUG 1 1135 - Fair with fading in GY-mess; US '60s - '80s oldies. IDs heard at 1145 and 1205 for *R.Recuerto* with the correct frequency (docecuarenta) but using the callsign "XER" (1260 kHz out of Nuevo Leon). The "O" might have been in there but it sounded like "X-E-R Radio Recuerdo" both times. [Vance-TX]
- 1280 **BRAZIL** ZYJ455 *Super R.Tupi*, Rio de Janeiro AUG 28 0045 - Portuguese talk; under Bermuda, over WFAU, WADO, and WCMN. [Connelly\*O-MA]
- 1280 **BERMUDA** VSB2 Hamilton AUG 28 0017 - Preaching about Moses; good, over WADO and WFAU. 0100 Old Rugged Cross instrumental, Bible Broadcasting Network ID; over WCMN and Brazil. [Connelly\*O-MA]
- 1280 **PUERTO RICO** WCMN Arecibo AUG 28 0101 - Spanish talk, "WCMN, Arecibo, Puerto Rico" and calls of some other network affiliates; through Bermuda and WFAU. [Connelly\*O-MA]
- 1309.68 unID AUG 28 0059 - Growl against WLOB. MWoffsets lists HJAK *La Voz de la Patria*, Barranquilla, Colombia. [Connelly\*O-MA]
- 1610 **ANGUILLA** *Caribbean Beacon*, The Valley AUG 28 0050 - Female preacher talking about the house of God; mixed with French Canadian. [Connelly\*O-MA]
- 1620 **CUBA** *R.Rebelde*, unknown location AUG 28 0048 - Parallel 1180 with orchestral music, then shouting man; good over second Spanish-speaker. [Connelly\*O-MA]





**Transpacific DX**

Getting audio on Japan frequencies - might have some TP logs next time! [Wilkins-CO]

**Contributors**

Roy Barstow, Teaticket MA; Microtelecom Perseus, ~30 by 50-ft SuperLoop at 60°.

Chris Black N1CP, South Yarmouth MA; Perseus, 35 x 90-ft Flag.

Chris Black N1CP, Camden ME; Perseus, ~140-ft loop.

Mark Connelly WA1ION, South Orleans MA; Perseus operated with MSI Wind U100 netbook, cardioid-pattern Micro-SuperLoop on car roof, square, 2 m per side, with 9:1 transformer 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.

Mark Connelly WA1ION, South Yarmouth MA; Perseus with U100 netbook, west-null SuperLoop, 9-m vertical by 22-m horizontal, base height 1 m.

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

Marc DeLorenzo, South Dennis MA; JRC NRD-525, 75 x 75 x 60-ft east/west dual feedline Delta with remote variable termination, 350-ft north/south longwire, Mini MWDX-3 phaser.

Neil Kazaross, Grafton WI; Drake R8A, phased BOG system 655-ft parallel 470-ft at 63°.

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.

73 and Good DX!

# ***NRC Contests***

**Wayne Heinen** [amradiolog@nrcdxas.org](mailto:amradiolog@nrcdxas.org)  
4131 Andes Way  
Aurora, CO 80013-3831

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

## ***National Radio Club 2009-2010 DX Season Contests***

### ***Wayne Heinen Contest Manager***

This year we'll have the same two contests as we've had in the past; however, we will be having two distinct competitions. The receiver(s) will be the item that distinguishes the participant's class and the two classes will not compete against each other. The Ultralight Competition will require that the contest use only Ultralight class receivers. The Unlimited Competition can use ANY type of receivers; as an example, I'll be using a Drake R8B and a RS 12-655 TRF. The Contest manager reserves the right to contact knowledgeable experts in Ultralight radios to determine that the radio you submit qualifies as an Ultralight. There will be two sets of awards; one for the Ultralight Competition, and one for the Unlimited Competition.

#### ***Contest #1***

#### **The Cumulative Logging contest:**

- Clear Channel Stations - 1 point per logging
- Expanded Band Stations - 2 points per logging
- Regional Channel Stations - 3 points per logging
- Graveyard Channels - 5 points per logging

Entries are limited to stations in North America and include the USA, Canada, Mexico and the Caribbean. Stations on any split frequency will be considered Clear Channels.

Clear Channels - 530, 540, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 800, 810, 820, 830, 840, 850, 860, 870, 890, 900, 940, 990, 1000, 1010, 1020, 1030, 1040, 1050, 1060, 1070, 1080, 1090, 1100, 1110, 1120, 1130, 1140, 1160, 1170, 1180, 1190, 1200, 1210, 1220, 1500, 1510, 1520, 1530, 1540, 1550, 1560, 1570 and 1580.

Expanded Band - 1610, 1620, 1630, 1640, 1650, 1660, 1670, 1680, 1690 and 1700

Regional Channels - 550, 560, 570, 580, 590, 600, 610, 620, 630, 790, 910, 920, 930, 950, 960, 970, 980, 1150, 1250, 1260, 1270, 1280, 1290, 1300, 1310, 1320, 1330, 1350, 1360, 1370, 1380, 1390, 1410, 1420, 1430, 1440, 1460, 1470, 1480, 1590 and 1600

Graveyard Channels - 1230, 1240, 1340, 1400, 1450 and 1490

The leader with the most points as of 11:59 PM ELT December 31, 2010 will receive a 2010 WRTH Handbook. The entrant with the most points as of 11:59 PM ELT May 31, 2011 will receive a one year



NRC membership extension.

## Contest #2

### How far can you go?

This will be the cumulative mileage of all the loggings you make during the contest period. All stations anywhere in the Standard Broadcast Band are eligible. This contest should be a real shooting match from both coasts for those who like international TA and TP DX. Your latitude and longitude as submitted by you or determined using DeLorme Maps 2009 will be used. The best distances will be posted at the contest midpoint Midnight ELT December 31, 2011, and at the end on 11:59 PM ELT May 31, 2011. This contest will have two prizes; a 2010 WRTH will be awarded to the entrant that has the most points the midpoint, and a one-year NRC membership subscription extension will go to the entrant with the most points at the end.

### General Rules for all contests

**Contest Eligibility** - All NRC Members (DX News, e-DXN.com and DX Audio Service) as long as they remain members.

You may enter either one or both contests.

**Contest Dates** - The Contest period runs from Midnight ELT September 1, 2010 through 11:59 PM ELT May 31, 2011.

**Competition Class** - Submit with your first entry your class and list your radio(s) to be used.

**Location Changes** - All stations must be logged within 25 miles of your established QTH

**Log Criteria** - You must hear the station call letters or a universally recognized Station Slogan may be substituted for non-USA stations that are more prone to use these than any assigned call signs.

**Reporting Criteria** - Should be submitted in column form. Both Contests - Logs shall contain Frequency, Call Sign/Slogan, City, State/Province, Country, Date, and Local Time Heard. All points and mileage will be programmatically calculated by the contest manager - All entries must arrive at the Contest managers address by the 5th of the month following the reporting period (September/October logs are due by November 5<sup>th</sup>). All late entries will be discarded. All contest standings will be updated and posted in *DX News* around the middle of the month, beginning in November. You may enter at any reporting time.

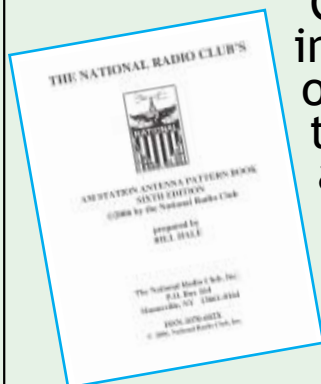
**Reporting Location** - Email submissions are encouraged. Please email them in Word, Word Perfect or any other word processor format. If you are using plain text please submit in tab delimited format. Those using Excel or a compatible spreadsheet application may submit spread sheet files. Email submission should be sent to [amradiolog@nrndxas.org](mailto:amradiolog@nrndxas.org).

Snail mail may be submitted to the Contest manager at 4131 S. Andes Way, Aurora CO 80013-3831.

The Contest Manager will make the final decision as to the eligibility of all entrants and entries. Rules may be added, amended or clarified by the contest manager as required to ensure a fair contest. The Contest Manager is not eligible to receive any prizes or awards in any of the contests.

## The NRC AM Station Antenna Pattern Book

This Sixth-Edition Antenna Pattern Book now includes daytime and "Graveyard" frequency patterns for the first time. Stations



in Alaska and Hawaii are listed on separate pages at the end of the book. The basic list of U.S. and Canadian stations comes from the 26th Edition of the National Radio Club's AM Radio Log. Mexican stations in the states bordering the United States plus those



stations elsewhere which are easily heard in the U.S. and Canada are also included. All data is up-to-date as of November 1, 2005. Prices: \$16.95 to USA/Canada NRC members, \$22.95 to USA non-members, \$28.50 to Canada non-members/all overseas orders. **Canadian orders: PayPal or postal M. O. only.** Order from NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)

# *The Era of Apex & High Fidelity Radio Broadcasting*

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## *\* American Apex Stations*

As the radio historians tell us, radio broadcasting really got moving, in the United States as well as in many other countries, during the era of the 1920s. However, it was quite soon discovered that radio broadcasting in the AM (amplitude modulation) mode, which was the only form of radio broadcasting at the time, was subject to all sorts of noisy electrical interference in the form of static. This interference came from manmade sources, such as power lines and electric motors, as well as from natural sources such as lightning and tropical storms.

In a serious endeavor to overcome these phenomena that spoiled the reception of radio programming, experiments began in the 1930s in the usage of what became three different modes of transmission. These radio broadcasting experiments took place somewhat simultaneously under three different transmission concepts:-

- \* Apex Band                      - High frequency shortwave broadcasting from very tall antennas
- \* High Fidelity                - Wide band transmissions at the end of the mediumwave band
- \* FM Mode                        - Frequency modulation on high frequency bands

The implementation of FM broadcasting proved to be far superior to both the High Fidelity & Apex modes; and that is a very large, and quite well known story. However, the era of High Fidelity & Apex broadcasting is almost forgotten these days. That then is our story on this occasion.

## The Apex Era

What happened was this. Back in the early 1930s, reception of radio broadcasting stations in the regular mediumwave band, stretching ultimately from 540 – 1500 kHz as it did in those days, was subject to the problems of static, as well as long distance coverage at night which produced mutual interference difficulties. In an attempt to correct these problems and to produce a better quality radio signal on the local scene, some radio stations began to experiment with what was called a high fidelity system, with transmissions on very high frequencies and the installation of a very high antenna system. In this way, it was hoped, there would be less atmospheric and man-made static, and the signal would not be affected so much by the variables associated with day time and night time coverage.

The two bands that were in use were the very high frequency channels initially in the 9 metre band and subsequently in the 7 metre shortwave bands. Two time periods were involved in this experimental era, from 1932 – 1937 before commercially made receivers were available for the Apex band, and then from 1937 – 1942 when commercially made radio receivers incorporating also the high frequency Apex band became available.

The very first station in the United States to install a transmitter in the high frequency Apex band was the CBS station, W2XDV, in New York City, which was inaugurated on February 6, 1932. This station emitted just 50 watts and it was on the air experimentally, and spasmodically, with a relay from the mediumwave station WABC, now identified as WCBS. The transmitter was installed in the CBS headquarters building in Madison Avenue, New York City.

The very first station to commence a regular broadcasting service in the high frequency Apex band was W8XH in Buffalo New York, with a relay from the well known mediumwave station WBEN. This was in the year 1934. On November 3 in the following year, 1935, the afore-mentioned W2XDV-WABC introduced their own regular broadcasting service on the Apex channel 31600 kHz. In the following year again, 1936, station W9XAZ in Milwaukee Wisconsin was the first Apex station to originate its own separate programming in this high fidelity Apex broadcast band.

In the year 1937, radio receivers which included the high frequency Apex band began to appear on the American market. One of the most notable of these receivers was manufactured by McMurdo Silver, and they issued innovative advertising to sell their new product.

At this stage, the FCC allocated a total of 5 MHz band width for Apex broadcasting, and this section of the radio spectrum ran from approximately 41 to 44 MHz. The station lists of this era show that twenty two Apex stations were on the air.

In early 1939, the FCC issued a dozen additional licenses for Apex stations, though around this time, they advised radio broadcasting stations in the United States to consider the implementation of the alternative FM system which was far superior to the Apex High Fidelity system.

On June 15, 1940, the FCC issued licenses for three more Apex stations, the last licenses that were ever issued for radio broadcasting in the Apex high frequency band. The last station to leave the Apex



band and convert to the new standard FM band is believed to be station WBOE in Cleveland, Ohio and this event occurred in February 1941.

At the height of its popularity in late 1938 and early 1939, there were somewhere around fifty or sixty radio stations nationwide on the air in the Apex high fidelity high frequency bands. During the ten year period in which Apex broadcasting was in vogue, there was a total of a little more than one hundred different stations on the air at some time during this era.

Many of these stations were heard at a great distance and radio magazines in Australia and New Zealand show that at least thirty of these stations were heard "down under". These stations also issued QSL cards and our records show at least a dozen.

### *The High Fidelity Era*

However, at the same time as high quality broadcasting was taking place in the high frequency shortwave bands, a similar attempt at a quality radio transmission was taking place at the top end of the mediumwave band, running from 1510 – 1600 kHz. Stations were allocated a wider band width to accommodate higher audio frequencies, and this experimental era began in 1934, just two years subsequent to the launching of experimental high fidelity broadcasting in the ultra shortwave bands. It should be noted that a total of just four stations were issued licenses for High Fidelity broadcasting at the top end of the mediumwave band. These four stations on the air in this section of the spectrum were:-

<i>Call</i>	<i>kHz</i>	<i>City</i>	<i>State</i>
W1XBS	1530	Waterbury	CT
W2XR	1550	Long Island City	NY
W6XAI	1550	Bakersfield	CA
W9XBY	1530	Kansas City	MO

These stations also issued QSL cards, many of them, in response to reception reports from listeners. In fact one station, W9XBY in Kansas City Missouri, numbered their QSL cards, and we have seen one card with the high serial number 4027.

Now, at the same time as high quality broadcasting was being developed during the 1930s in the twin areas of the electronic spectrum, at the end of the mediumwave band and in the Apex shortwave bands, so also was experimental broadcasting using the FM, Frequency Modulation system. At this stage, the FCC recommended the usage of FM for high quality radio broadcasting.

Thus, in 1940 and 1941, both of the earlier systems were abandoned; High Fidelity in the upper end of the mediumwave band and Apex in the ultra shortwaves. However, if you look at the radio dial of receivers manufactured in the late 1930s, you may still find a radio receiver that tuned one of the Apex bands, a symbol of a bygone era.

### **\* Apex Radio Stations Worldwide**

Now, we move on, to the story of Apex radio broadcasting stations in other countries around the world.

The purpose of these experimental Apex broadcasts was to determine the effectiveness of transmissions on a very high frequency from a very high antenna, hence the name Apex. It was considered that these two factors combined, high frequency and high antenna, would reduce the effect of static caused by man made electrical interference and by thunderstorms, as compared to the standard mediumwave band.

Even though the United States played the most prominent role in experimental broadcasting in the Apex band, yet this experimental era began in Australia, not North America. Sometime during the year 1931, and perhaps even as early as the month of May, the AWA radio organization installed a low power transmitter in Sydney on a frequency somewhere in the 7 metre band. The programming was a relay of the Sunday broadcasts from their shortwave station, VK2ME, located at Pennant Hills an outer suburb of Sydney, in New South Wales, though no specific callsign was allocated to this 7 metre transmitter at this time.

It had long been thought that these experimental AWA broadcasts in Australia on 7 metres were in the FM mode, but a closer investigation demonstrates that instead, they were in the AM analog mode, using a very high frequency, equivalent to the American Apex transmissions. The original series of test broadcasts, using only the Pennant Hills callsign VK2ME, lasted possibly a couple of years, but because no commercially made receivers incorporating the Apex band were available anywhere in the world, the tests were abandoned.

However, five years later, now that Apex broadcasting was catching alive in the United States, AWA re-commenced similar tests with an antenna located on top of a downtown departmental store and a transmitter under its own licensed callsign, VK2MA. Programming was again a relay from shortwave

VK2ME, and at times from mediumwave stations in the Sydney area. The probable date for the last broadcast from "Apex" VK2MA was Monday morning August 28, 1939.

This station was heard at times in the United States and QSL cards were issued. It is not known what card was used for this purpose, but it is probable that a regular VK2ME card, with the Kookaburra bird superimposed upon a map of Australia, was issued, with appropriate indication of the 7 metre channel.

The next country to launch a broadcasting service in the Apex band was the United States, in February 1932. But that was the topic as mentioned above, so we move on to other countries that launched experimental broadcasting in what became the American Apex band. During that same year, 1932, station listings in that era would suggest that four countries engaged in experimental broadcasting on very high frequencies, and these were Canada, England, Germany and Russia.

The Canadian station was the rather well known VE9GW, located at Bowmanville in Ontario. This station began life as a commercial facility, in use for radio broadcasting as well as for communication purposes. This station relayed the programming from mediumwave CKGW and it was subsequently taken over by the Canadian Radio Commission and re-designated with the callsign CRCX.

Anyway, a very high frequency was registered for use by shortwave VE9GW and it was in use at times for phone communication as well as for occasional program broadcasting on 24380 kHz, in the 12 metre band.

In England, the Marconi shortwave transmitter G5SW located at Chelmsford, out from London, was licensed for experimental broadcasts on a channel in the 11 metre band. In those days, the 11 metre band was not understood to be effective for international broadcasting in the era of the high sunspot count, but rather it was considered to be useful for high fidelity broadcasting in the station's primary coverage area. Little is known about the results of these test broadcasts from station G5SW in England.

Other stations that were listed as on the air during the year 1932, were located in Berlin Germany, and Moscow Russia. The schedule for the German station was for a short period of time on Tuesdays and Thursdays in the 7 metre band; and the Russian station, in the 5 metre band under the callsign RW61, was simply listed as "broadcast".

During the following year, 1933, the evidence would show that two more stations came on the air in this high fidelity mode in these high frequency bands. Indonesia, as it is now known, was listed with station PK4PA with experimental transmissions on 5 metres; and Italy was listed with station IAF with experimental transmissions on 10 metres.

The final batch of countries, five in total, in which experimental transmissions were carried out in the very high frequency bands were located in South America, Europe and Asia, all listed in 1935. In South America, Argentina was listed with stations LQK & LQL at Monte Grande on 7 metres; and Chile with station CEC in the 13 metre band. In Europe, France was listed with station TYZ in the 8 metre band; and Madrid Spain was listed with station EDS in the 13 metre band. In Asia, station HSJ in Bangkok Thailand was shown as on the air in the 12 metre band.

Interestingly, during the time when station VK2MA was on the air in Sydney Australia in the 7 metre band, a local radio monitor made the observation that no other stations anywhere in the world were on the air in these very high frequencies, apart from Australia and the United States. It is true, low power transmissions on these very high frequency bands are not likely to propagate very far, but the station listings during the 1930s show quite clearly that there were indeed several other stations on the air in what was known in America as the Apex band.

Nevertheless, the Apex concept, high frequency and a high antenna, was abandoned when FM broadcasting took over in the early and then the later 1940s. Interestingly, the FM stations these days are also transmitting at the high frequency end of the shortwave bands, and one of the major parameters in measuring the effective coverage area for an FM station is by the height of the antenna system.

## 1. America's High Fidelity Broadcasting Stations

### Apex Band & Mediumwave Band - Integrated Chronology

<i>Year</i>	<i>Date</i>	<i>Event</i>	<i>Reference</i>
1932	Feb 6	Experimental CBS W2XDV went on air 50 w VHF 485 Madison Ave	PC 8-92 16
1933		Armstrong began experimental FM broadcasting	PC 10-91 18
1934		Experimental broadcasting system introduced, VHF with high antennas	wapedia.
			mobi
1934		Between 25 & 42 MHz, less static, discrete coverage, no bounce	wapedia.mobi
1934		No commercially made receivers cover this band, build own or converter	wapedia.
			mobi

<i>Year</i>	<i>Date</i>	<i>Event</i>	<i>Reference</i>
1934		4 high fidelity stations licensed: W1XBS, W2XR, W6XAI & W9XBY	PC 10-91 19
1934		WBEN-W8XH Buffalo, 1st station 5 m broadcast regular schedule	wapedia.mobi
1935	Nov 3	CBS W2XDV began regular program broadcasts on 31600 kHz	PC 8-92 16
1936		Milwaukee W9XAZ 1st Apex originate own programming 26400	wapedia.mobi
1936		12 Apex stations on air in USA	ourworld.compuserve
1930s	Late	Radio receivers made with Apex AM band included	broadcasting.wikea
1937	Jun	Total of 22 Apex stations on air, with relays (Canton file)	ISWC-ISWR 7-37 23
1937		McMurdo Silver advert, receiver with Apex band	PC 10-91 19
1937	Oct	FCC allocations VHF broadcasting, 41.02 – 43.98 for Apex	wapedia.mobi
1937	Dec	List of 10 Apex USA stations	LI 79.24 Dec 39
1938	Jan 1	List of 45 Apex stations in USA	BYB 1938 290
1938	Oct 13	Implementation new Apex band 41 – 44 MHz	wapedia.mobi
1939	Jan	Complete list of Apex stations, 1939 Broadcasting Yearbook	jeff560.tripod
1939	Feb	FCC issues dozen licenses for Apex stations	jeff560.tripod
1939	Mar	Only American stations in 11 m band, Daventry & Berlin soon	R&H 79.11 4-39 51
1939		FCC recommendation Apex stations transfer to FM	wapedia.mobi
1939		Apex stations operating in 34 cities in 22 states	wapedia.mobi
1939	Nov	25 Apex stations heard in Australia	ARW 77.8 1-12-39 34
1939	Dec	Now 40 stations USA on 7 m, 2 @ 50 kW W1XOJ & W2XMN	R&H 79.11 1-40 67
1940	Jan	Complete list of Apex stations, Radex 1940	Radex 1&2 1940 10
1940	Jan 15	Complete list 34 Apex AM stations still on air	jeff560.tripod
1940	Jun 15	Apex licenses issued, WBOE Cleveland, WNYE NY, WBKY Beattyville KY	jeff W9XPD
1940	Jul 1	W9XPD KSD 31600 closed, MW now full occupancy	
1940	Oct 17	Apex AM WBKY Beattyville KY launched 100 w 49200 kHz	jeff560.tripod
1940	Mar 29	Apex W9XBY-KXBY-KITE moves to standard broadcast 1590 kHz	W9XBY
1941	Feb	Apex WBOE converts to FM	jeff560.tripod
1941	Mar	At least 2 Apex station still on air? W9XPD W9XH, last report in R&H 79.11 4-41 52	
1942		Complete list of Apex stations, 1942 Radio Annual	jeff560.tripod

## 2. America's Apex Broadcasting Stations

### High Fidelity Apex AM Shortwave Stations – Chronological Tabulations

<i>Call, City</i>	<i>State</i>	<i>kW</i>	<i>Parent</i>	<i>1939</i>	<i>1940</i>	<i>1942 Information</i>
W1XBS Waterbury	CT				1 of 1st 4 high fidelity stations	
W1XEQ Fairhaven	MA	.1	WNBH		C	42308
W1XER Purchase	NH	.5	Yankee	C	42340	
W1XK Hull	MA	.1	Westinghouse			42600
W1XKA Boston	MA	.5	WBZ	C	42220	Heard Australia R&H 79.11
W1XKB Springfield	MA	.05	WBZA		C	42220 Under construction
W1XOE Boston	MA	.1	WEEI		E	
W1XOJ Boston	MA	50	Yankee	41200		
W1XPW Meriden	CT	1	WDRC		40300	43400
W1XSL Meriden	CT	1	WDRC		Became W1XPW 1938	
W1XSN Springfield	MA	1	Westinghouse			42600
W1XTG Worcester	MA	1	Telegram			43400
W2XAG Yonkers	NY	5	Runyon		117190	
W2XDA Schenectady	NY	.05	GE			43200
W2XDG New York	NY	.15	NBC WJZ	38650	42420	
W2XDV New York	NY	.05	CBS WABC	C	42300	1st Apex station
W2XGU New York	NY		WMCA		Heard Australia	ARW 7-36
W2XHG New York	NY	.15	NBC WAAF	C	42060	
W2XJI New York	NY	.1	WOR		26300	25300 Heard Australia LI 79.24
W2XOY Albany	NY	2.5	GE	.15		43200 43200
W2XQO Flushing	NY	.1	WMCA			25500 Heard Australia LI 79.24



<i>Call, City</i>	<i>State</i>	<i>kW</i>	<i>Parent</i>	<i>1939</i>	<i>1940</i>	<i>1942 Information</i>	
W2XQR New York	NY	1	Hogan			41200	
W2XQR New York	NY	1	HoganCPMod			43200	48700
W2XR Long Is City	NY					1 of 1st 4 high fidelity stations	
W2XSN Alpine	NJ	1	Godley	41800	432000		
W2XUP New York	NY	1	WOR			Heard Australia ARW 7-36	
W2XVP New York	NY	1	NYC			26100	26100
Heard Australia R&H 7-39 53							
W2XWF New York	NY	1	Finch			42180	
W2XWE Albany	NY						New 1940
W2XWG New York	NY	1	NBC				45100
						WCNY	New 1939
W3XAU							
Allocated 25725							
W3XEF Baltimore	MD		WFBR			Heard Australia ARW 7-36	
W3XES Baltimore	MD	.3	Monumental			C	42100
W3XEX Norfolk	VA	.5	WTAR			26050	
W3XEY Baltimore	MD	.1	WFBR			C	
W3XIR Philadelphia	PA	.1	WCAU			C	42140
W3XJL							
Heard Australia LI 79.24							
W3XKA Philadelphia	PA	.05	KYW				
W3XO Georgetown	DC	1	Jansky	CP		43000	43200 43200
W4XA Nashville	TN	1	WSM			C	26150
Heard Australia ARW 7-36							
W4XBW Chattanooga	TN	.1	WDOD			C	26000
W4XCA Memphis	TN	.25	WMC			C	26150
Heard Australia R&H 79.11							
W4XH Spartanburg	SC	.05					
W5XAU OK City	OK	.1	WKY			C	26125 26125
W5XGB Houston	TX						
Heard Australia R&H 79.11							
W5XD Dallas	TX	.1	Belo			C	25300 New 1940
W6XAI Bakersfield	CA					1 of 1st 4 high fidelity stations	
W6XDA Los Angeles	CA	.1	CBS-KNX	C		42300	New 1939
W6XI San Francisco	CA					Heard Australia ARW 7-36	
W6XKG Los Angeles	CA	1	KGfJ			25950	25950
Heard Australia ARW 7-36							
W6XRE Los Angeles	CA	.5	KGfJ			E	42300
W6XRE Los Angeles	CA	.5	McGlashan	116950			
W6XRE Los Angeles	CA	.5	McGlashan	250000			
			Hollywood	CA	1		New 26550 1939
			Los Angeles	CA	.1	Echo Park	New 1939 25300
W8XAD Rochester	NY	1	WHEC				42600
W8XAI Rochester	NY	.1	WHAM			C	Heard Australia
R&H 79.11							
W8XH Buffalo	NY	.1	WBEN			C	
W8XKA Pittsburgh	PA	.15	KDKA			C	
W8XKE Saxonburg	PA	.05	Westinghouse				42220
W8XKE Saxonburg	PA	1	Westinghouse				42600
W8XNO Charleston	WV	50	WCHS			26100	New 1939
W8XNT Cleveland	OH	.05	United			C	42340
W8XNU Cincinnati	OH	1	WLW-WSAI	25950		25950	Heard Australia
ARW 7-36							
W8XOY Akron	OH	.1	WADC			C	
W8XUM							
Testing irregularly 1939							
W8XVH Columbus	OH	.25	WBNS				43000
W8XWJ Detroit	MI	.5	WWJ			C	42060
Launched 1936							
W9XA Kansas City	MO	1	KIFE-KCKN	26450		26000	Heard Australia
ARW 7-36							
W9XAZ Milwaukee	WI	.5	Journal			42260	

<u>Call, City</u>	<u>State</u>	<u>kW</u>	<u>Parent</u>	<u>1939</u>	<u>1940</u>	<u>1942 Information</u>	
W9XBA Kansas City	MO	.1	WHB			26100	
Heard Australia ARW 7-36							
W9XBS Chicago	IL	.1	NBC WMAQ		CP	42180	
W9XBY Kansas City	MO					1 of 1st 4 high fidelity stations	
W9XER Kansas City	MO	.5	KMBC		C	42460	
W9XH South Bend	IN	.1	WSBT		26050	26050	
Heard Australia ARW 7-36							
W9XHW Minneapolis	MN	.05	CBS WCCO	C	42300		
W9XJL Superior	WI	.25	WEBC		26100	26100	
Heard Australia LI 79.24							
W9XLA Denver	CO	.1	KLZ		C	25400	25400
Heard Australia ARW 7-36							
W9XOK St Louis	MO	.1	KTOK		C	25300	New 1940
W9XPD St Louis	MO	.1	KSD		C	25900	
Heard Australia ARW 7-36							
W9XTA Harrisburg	IL	.5	Schonert	26500	26000	Heard Australia LI	
79.24							
W9XTB							
W9XTC Minneapolis	MN	.15	WTCN		26050	Heard Australia LI	
79.24							
W9XUP St Paul	MN	1	KSTP		26150		
Heard Australia LI 79.24							
W9XUY Omaha	NE	.1	KOIL		C		
Heard Australia LI 79.24							
W9XYH Superior	WI	1	Head			26300	43000
W9XZY St Louis	MO						New 1940

### 3. America's Apex Stations

#### *High Fidelity Apex Shortwave Stations – QSL Cards*

<u>Call</u>	<u>City</u>	<u>State</u>	<u>Year</u>	<u>Date</u>	<u>kHz</u>	<u>kW</u>	<u>QSL</u>	<u>Style</u>	<u>Reference</u>
W1XKB	Springfield	MA	1939		31600	.05	Letter		R&H 8-39 54
W2XQO	Flushing	NY	1939	Dec 11	25500		Letter		R&H 4-39 51
W4XA	Nashville	TN	1939		31600	.25	Card		R&H 7-39 53
W4XA	Nashville	TN	1939		26150		Letter		R&H 8-39 54
W6XKG	Los Angeles	CA	1938	Mar 10	25950		Card	Compass Points Copy	
W6XKG	Los Angeles	CA	1939	Apr 2	25950		Card	Compass Points QSL card	
W8XNU			1939				Card		R&H 6-39 62
W9XH	South Bend	IN	1939				Card		R&H 6-39 62
W9XPD	St Louis	MO	1939	Aug	25900				ARW 1-12-39
W9XTA	Harrisburg	IL	1939				Card		R&H 6-39 62

### 4. Apex Radio Broadcasting Stations

#### *Worldwide Tabulation – Alphabetic Order of Country*

<u>Year</u>	<u>Date</u>	<u>Call</u>	<u>City</u>	<u>kHz</u>	<u>Service</u>	<u>Information</u>	<u>Reference</u>
<b>1. Argentina</b>							
1935	Dec	LQL	Mnt Grande	41040			SWL 12-35 281
1935	Dec	LQK	Mnt Grande	41400			SWL 12-35 281
<b>2. Australia</b>							
1931	AWA		Sydney	7 m	Tests began 10-15 watts		NB 79.217b 5 LD
20-12-33							
1932	Nov	AWA	Sydney	7 m	Experimental transmissions every Sunday		LI 26-11-32 54
1937	Dec	VK2MA	Sydney	42860	New AWA experimental UHF station		Sundays LI 3-12-37 1
1939	Aug	VK2MA	Sydney	7 m	Probable date final broadcast, Monday am		WW2

<i>Year Date Call</i>	<i>City</i>	<i>kHz</i>	<i>Service</i>	<i>Information</i>	<i>Reference</i>
Closure					
<b>3. Canada</b>					
1932 Nov VE9GW	Bowmanville	24380	Phone		
RN 12-32 351					
1933 Jul VE9GW	Bowmanville	24380	Broadcast		
RN 8-33 31					
1934 Sep VE9GW	Bowmanville	24380	Phone		
LI 1-9-34 38					
1936 Sep CRCX	Bowmanville	24380	Broadcast & experimental		LI 33-10-36 32
<b>4. Chile</b>					
1935 Dec CEC	La Granja	22820			SWL 12-35 281
<b>5. England</b>					
1932 Nov G5SW	Chelmsford	25960	Experimental	RN 12-32 351	
1933 Jul G5SW	Chelmsford	25960	Experimental	RN 8-33 31	
1934 Sep G5SW	Chelmsford	25960	Experimental	LI 1-9-34 38	
1935 Jul GBU	Rugby	22291	Phone		
SWC 7-35 108					
1935 Dec GBU	Rugby	22300			
SWL 12-35 281					
1936 GBU	Rugby	22290	Works New York		HRD 1936
1935 Dec GSK	Daventry	26100	Broadcast		SWL 12-35 281
1936 GSK	Daventry	26100	Broadcast, K for King		HRD 1936
1937 Dec GSK	Daventry	26100	Operates irregularly		SW&TV 1-38 490
<b>6. France</b>					
1935 Dec TYZ	Calenzana	36144			SWL 12-35 281
1935 Dec TY4	La Turbie	39473			SWL 12-35 281
<b>7. Germany</b>					
1932 Nov	Berlin	42530	Experimental	Tue & Thu 11:30 am & 1:30 pm	
RN 12-32					
1933 Jul	Berlin	42530	Experimental		RN 8-33 31
1934 Sep	Berlin	42530	Experimental	Wed & Fri 2:30 am – 4:30 am	LI
1-9-34 38					
1935 Dec DGE	Nauen	22520			SWL 12-35 281
1935 Dec DGF	Nauen	22600			SWL 12-35 281
<b>8. Indonesia</b>					
1933 Jul PK4PA	Palembang	59964	Experimental		RN 8-33 31
<b>9. Italy</b>					
1933 Jul IAF	Fiumicino	29803	Experimental		RN 8-33 31
1935 Jul IAF	Fiumicino	29817	Experimental	5 kW	SWC 7-35 108
1935 Dec IAF	Fiumicino	29817			SWL 12-35 281
1936 IAF	Fiumicinio	29820	5 kW		RHD 1936
1933 Jul IAG	Golfo Aranei	30593	Experimental	Sardinia	RN 8-33 31
1935 Dec IAG	Golfo Aranei	30604			SWL 12-35 281
1936 IAG	Golfo Aranei	30604	5 kW		RHD 1936
1935 Dec 2RO	Rome	25650	Broadcast		SWL 12-35 281
<b>10. Russia</b>					
1932 Nov RW61	Moscow	51274	Broadcast		RN 12-32 351
1933 Jul RW61	Moscow	51274	Broadcast		RN 8-33 31
1934 Sep RW61	Moscow	51724	Broadcast		LI 1-9-34 38
<b>11. Spain</b>					
1935 Dec EDS	Madrid		22460		SWL 12-35 281
1935 Dec EDR2	Madrid		22760		SWL 12-35 281



## 12. Thailand

1935 Dec HSJ Bangkok 23240 SWL 12-35 281

## 13. United States

1932 Feb 6 W4XDV New York VHF 1st VHF, experimental CBS went on air 50 w PC 8-92 16

1934 MW 4 high fidelity stations licensed, end MW band PC 10-91 19

1940 Oct 17 WBKY Beattyville 49200 Probably last Apex AM station launched jeff560. tripod

1941 Feb WBOE Cleveland Probably last Apex AM to convert to FM jeff560. tripod

## 5. Apex Radio Broadcasting Stations

## Worldwide Tabulation – Countries in Known Chronological Order

<i>Year Date Country</i>	<i>City</i>	<i>Call</i>	<i>kHz</i>	<i>Metre</i>	<i>Information Reference</i>
1931 May Australia	Sydney	VK2MA			7 2ME, 10-15 watts NB 79.217b 20-12-33
1932 Feb USA	New York	W4XDV	VHF		Experimental CBS 50 w PC 8-92 16
1932 Nov Canada	Bowmanville	VE9GW	24380	12	Phone, CRCX RN 12-32 351
1932 Nov England	Chelmsford	G5SW	25960	11	Experimental RN 12-32 351
1932 Nov Germany	Berlin		425307		Experimental Tue & Thu RN 12-32
1932 Nov Russia	Moscow	RW61	51274	5	Broadcast RN 12-32 351
1933 Jul Indonesia	Palembang	PK4PA	59964	5	Experimental RN 8-33 31
1933 Jul Italy	Fiumicino	IAF	29803	10	Experimental RN 8-33 31
1935 Dec Argentina	Monte Grande	LQK &	LQL 41040	7	SWL 12-35 281
1935 Dec Chile	La Granja	CEC	22820	13	SWL 12-35 281
1935 Dec France	Calenzana	TYZ	36144	8	SWL 12-35 281
1935 Dec Spain	Madrid	EDS	22460	13	SWL 12-35 281
1935 Dec Thailand	Bangkok	HSJ	23240	12	SWL 12-35 281

## 6. Apex Radio Broadcasting Stations

## Australia's VK2MA Sydney

<i>Year Date</i>	<i>Call</i>	<i>kHz</i>	<i>Information</i>	<i>Reference</i>
<b>1st Era</b>				
1931		AWA 7 m	Tests began 10-15 watts	NB 79.217b 5 LD 20-12-33
1932 Sep	AWA 7 m		Tests 10-15 watts heard Blue Mountains	NB79.217b 2 DT 28-9-32
1932 Oct 16	VK2ME 42833		Announced dual transmission 7.004 m	LI 79.23 29-10-32 50
1932 Oct	VK2ME		Experimenting with dual transmissions	WW 79.1 4-11-32 55
1932 Nov	2ME 7 m		Experimental Sunday transmissions	WW 79.1 25-11-32 8
1932 Nov	AWA 7 m		Experimental transmissions every Sunday	LI 79.23 26-11-32 54
	AWA 7 m		AWA 7 m broadcasts	ATA 1936
<b>2nd Era</b>				
1937 May?	2MA 42 MC		On air 2 years intermittently	ARW 77.8 10-5-39 35
1937 Dec	VK2MA 42860		New AWA experimental UHF station Sundays	LI 79.24 3-12-37 1
1939 Jan	VK2MA 6.720		Relay VK2ME, Sun 4:30 – 8:30 am (USA)	ISWC 2-39 8
1939 Feb	VK2MA 6.720		Relay VK2ME, Sun 4:30 – 8:30 am (USA)	ISWC 3-39 9
1939 Mar	VK2MA		Now on air	RG 9.615 1-4-39 36
1939 Apr		6.73	New station, relay VK2ME, Sun 2-6 am	RN 5-39 46

1939 May	2MA 42 MC	Located on Grace Building Sydney ARW 77.8 10-5-39 35
1939 May	VK2MA	Broadcaster 27-5-39
1939 Jun	VK2MA 42608	Heard in New York ARW 77.8 7-39 43
1939 Jul	VK2MA 6.720	Relay VK2ME irreg Sun 1:30 – 5:30 am RN 8-39 46
1939 Jul	VK2MA 6.720	Relay programs Australian MW stations Sun 2-4 am RN 8-39 66
1939 Aug	VK2MA 6.730	Relays broadcast band stations, Sun irregular RN 10-39 55
1939 Aug 28	VK2MA 7 m	Probable date final broadcast, Monday am WW2 Closure
1940 Jan	VK2MA 42020	Listed with American Apex stations R&TV 2-40 598

7. America’s High Fidelity Broadcasting Stations

Mediumwave Band Stations

<u>Year</u>	<u>Date</u>	<u>Event</u>	<u>Reference</u>
1934		4 high fidelity stations licensed: W1XBS, W2XR, W6XAI & W9XBYPC	10-91 19
1940	Mar 29	Apex W9XBY-KXBY-KITE moves to standard broadcast 1590 kHz	W9XBY

8. America’s High Fidelity Stations

High Fidelity AM Mediumwave Stations – QSL Cards

<u>Call</u>	<u>City</u>	<u>State</u>	<u>Year</u>	<u>Date</u>	<u>kHz</u>	<u>kW</u>	<u>QSL</u>	<u>Style</u>	<u>Reference</u>
W1XBS	Waterbury	CT	1935	Feb 5	1530	1	Letter		PC 10-91 19
W2XR	Long Island City	NY	1936	Sep 8	1550	1	Card	Prepared	PC 10-91 19
W6XAI	Bakersfield	CA	1935	Jan 7	1550	1	Card	Red text	Copy
W6XAI	Bakersfield	CA	1936	Feb 4	1550	1	Card	Red text	PC 10-91 19
W6XAI	Bakersfield	CA	1936	Mar 20	1550	1	Card	Red text	QSL card
W9XBY	Kansas City	MO	193x		1530	1	Card	Pre-typed	PC 10-91 19
W9XBY	Kansas City	MO	1936	Feb 29	1530	1	Card	Pre-typed 3685	eBay
W9XBY	Kansas City	MO	1936	Dec 19	1530	1	Card	Pre-typed 4027	eBay

## July 2010 Oregon Beach Ultralight DXpedition

### Stumbling Across a Hot Spot for South Pacific DX By Gary DeBock

For Pacific Northwest DXing enthusiasts eager to log exotic DX from Australia, New Zealand and the South Pacific islands, the Grayland Motel on the Washington state coast has been the venue of choice for many years. Every year during the summer “DU” (down under) DX-chasing season, various DXers from western Washington descend upon Grayland to try their luck, content that the isolated ocean beach site is providing the best in South Pacific propagation. Having enjoyed five such DU-chasing sessions at Grayland myself with Ultralight gear in previous years (occasionally with good friends like Guy Atkins and the late John Bryant), I had a fairly good idea of what to expect from the famous site. Perhaps because of incessant dreams of exotic Pacific DX, I



was always willing to tolerate the little quirks of the Grayland Motel, which has somewhat less than a five-star reputation. Unfortunately, my wife and son did not share my enthusiasm for the famous DXing venue. For our 7-day family vacation this summer, they both made it abundantly clear that the Grayland Motel did not make the final cut—a very lucky decision, as it turned out!

Two Days in Seaside “Plan B” was to book a one-week vacation at the Seashore Inn in Seaside,



Oregon, near the home of Patrick Martin, perhaps the resident expert on west coast TP reception. As Patrick related to us later, the choice of the Seashore Inn was a dubious decision, due to a unique combination of RF hash along the beach walkway and a beach crowded with campfire-building tourists (using fire wood actually sold by the Seashore Inn itself). For the first two days of the DXpedition, it was necessary to carry my entire listening station down to the surf in total darkness in one trip, in order to avoid pilfering, and the thick smoke from tourists crowding the beach throughout the night. This involved a one-trip journey with the modified PL-380, AM and LW 7.5" plug-in loopsticks, modified ICF-2010 SSB spotting receiver, MP3 recorder, portable PVC 3' tuned passive loop, PVC loop base, WRTH, logbook and flashlight—all at 0430 local time every day. The smoke-dodging hassle got old very quickly, and provided sufficient motivation for a quick change of vacation venue to the Liberty Inn Motel in Lincoln City, Oregon, another ocean beach location about 80 miles south of Seaside. Despite the multiple hassles of DXing on the surf at Seaside, however, the South Pacific DX logged that first morning (July 18<sup>th</sup>) was exceptional, and included several DU stations never before logged on Ultralight gear at Grayland. The South Pacific propagation to Seaside was excellent indeed, providing abundant evidence of why Patrick has been so successful over the decades.

A Dream DXing Venue Arriving in Lincoln City on July 20<sup>th</sup>, we quickly discovered that the local beach park (within six blocks of the Liberty Inn) was situated on a cliff about 100' above the surf, and included an ideal picnic table for Ultralight DXpedition usage. The park was always deserted at the



bizarre hour of 1140 UTC (0440 local time), when I arrived every morning to set up my portable loop and Ultralight listening station. In comparison to Grayland, the South Pacific DX at Lincoln City turned out to be exceptional, to the extent that it seemed to be in an entirely different propagation league. Several DU stations that never managed a trace for me (or John Bryant) on Ultralight gear at Grayland (a presumed 585-2WEB, 603-Radio Waatea, and the Aussie talk station on 639) were S6-S7 regulars every morning at Lincoln City. Occasional visitors like a French-sounding station on 666 kHz and 684-Radio Fiji had also never shown up for us at all on ULR's at Grayland, despite John's very sensitive Wellbrook Arrays. Faced with an embarrassment of DU riches (and a loop design that could only optimize reception on one frequency at a time), I was forced to concentrate on the lower band frequencies—and still had far more South Pacific DX than I could handle during the entire 5 days in Lincoln City. My detailed DX search only got up to around 765 kHz, before we needed to pack up and head for home! The latest in Ultralight Radios, Spotting Receivers and Portable Loops Although the total cost of the modified Ultralight radio and 3' loop used in this vacation was under \$125, both had been tweaked for maximum effectiveness. This South Pacific DXpedition would be the first to feature the new Tecsun PL-380 model, an innovative pocket radio with excellent DSP-enhanced selectivity. Its sensitivity was boosted by newly-designed 7.5" plug-in loopsticks for both AM and LW, providing fairly competitive stand-alone DXing performance on either band. Adding

a potent AM signal boost (by inductive coupling) was a portable 3' PVC-framed tuned passive loop, designed to easily fit in a cramped compact car trunk (along with its portable PVC base) when disassembled. After reassembly in the dark (within a couple of minutes), this 3' tuned passive loop system provided enough DX signal gain to make this humble \$125 Ultralight listening station surprisingly effective in chasing South Pacific DX. To check propagation and determine suitable DXing targets, a modified ICF-2010 SSB spotting receiver (with a transplanted 19.5" loopstick) was constantly tuned around the lower AM frequencies, providing continual updates on the SSB heterodyne strength of any DU station in memory. The ICF-2010's LED signal display allowed easy peaking of the 3' PVC loop on any AM frequency in the dark, since the 2010's LED display lit up like a Christmas tree whenever the loop's tuned frequency was adjusted to match its own. The modified PL-380 then only needed to be brought within inductive coupling range of the 3' portable loop for a potent DXing signal boost, and an immediate MP3 recording (if desired).

In general the system worked very well, although Lincoln City's location to the southwest of Portland, Oregon (and Seattle, Washington) meant that the 3' loop encountered some domestic splatter from the back side on certain frequencies as it chased DU's to the southwest, due to its figure-8 reception pattern. The 1 kHz DSP selectivity of the Tecsun PL-380 tended to minimize this inconvenience, but it was still noticeable on several "big gun" DU frequencies like 567, 576 and 657 kHz. Fortunately,



the South Pacific DX signal strength was usually potent enough to break through. On the other hand, the small “footprint” of the portable 3’ loop (and PVC base) allowed quick setup on practically any ocean beach or cliff top location in Oregon, providing great freedom to investigate South Pacific or daytime DX propagation (while providing a fairly competitive level of AM sensitivity). Although DXers’ opinions concerning antennas are many and varied, the antenna choice tradeoff between weak-signal performance and setup convenience seemed to have reached a perfect compromise with the use of the portable 3’ loop during this DXing trip. The flexibility to set up at ideal beach-side locations probably provided South Pacific DXing results that would never have been possible inside motel rooms, especially those with stray RF issues.

Summary The sudden loss of John Bryant in February hit the west coast TP-chasing group pretty hard, and this is the first summer DU-chasing season that we are without him. John had invested the last two years of his talented life working together with me (and many others) to build up the Ultralight Radio enthusiast group, and he took great pride in the fact that we were bringing new enthusiasm and excitement into the AM-DXing hobby. I like to think that John would have been very pleased to see the results of this Oregon Beach DXpedition, in which the humble Ultralight radio performed far beyond expectations, and perhaps led the way in finding an area of superior South Pacific propagation. We all miss John greatly, but his mission of bringing new excitement and enthusiasm to the AM-DXing hobby lives on, and I hope that this Ultralight DXpedition has contributed in some small way to that overall goal of John. If the excitement experienced during this Oregon Beach trip was any indication of the future of AM-DXing, the future seems very bright indeed! 73 and Good DX to All, Gary DeBock (in Puyallup, WA, USA)

DX Loggings Unless otherwise indicated, all loggings were made with a modified Tecsun PL-380 DSP receiver (having a 7.5” plug-in AM loopstick) inductively coupled to a 3’ portable PVC-framed tuned passive loop. Times are in UTC. Sincere thanks is given to Patrick Martin, Chuck Hutton, Bruce Portzer and Guy Atkins for their extensive help in sorting out many unidentified South Pacific station mysteries, as indicated. Various MP3 recording links are included after selected loggings.

153 Radio Rossii Komsomolsk, Russia An LW regular in both Seaside and Lincoln City, // 180 and 279 kHz. This was the second strongest of the three stations, after 279 kHz. Received on the PL-380 with a 7.5” LW plug-in loopstick in Lincoln City, 1152 7-24 <http://www.mediafire.com/?skaffgagzalo6ij>

180 Radio Rossii Belogorsk, Russia The weakest of three LW Russians, received on the 7.5” LW loopstick PL-380 at 1153, 7-19 in Seaside.

279 Radio Rossii Yuzhno-Sakhalinsk, Russia Strongest of the LW Russians all week. Heard on the 7.5” LW loopstick PL-380 at 1133, 7-18 in Seaside. <http://www.mediafire.com/?wes5amhcb3n5cqj>

531 2PM Port Macquarie, Australia (presumed) Classic rock and very infrequent ID’s, usually only at TOH (according to Patrick). Heard with marginal signals at 1219 7-23 in Lincoln City for this MP3, the station was generally alone on the frequency: <http://www.mediafire.com/?zfb6r7ok6356df6>. A Grayland regular.

558 UnID All week long a DU station was at threshold audio here, but could never quite seal the deal. Multiple possibilities (4AM, 7BU, 4GY, etc.), according to Patrick.

567 2YAWellington, New Zealand (National Radio) Kiwi propagation beacon, this 50 kw “big gun” was usually the first DU to come into audio each morning (along with 657- Southern Star). With a mixed format of easy listening music and talk, it was often pestered by 570-KVI splatter, as in this MP3 at Seaside at 1215 on 7-18: <http://www.mediafire.com/?6hqo9ozof69d4m0>

576 2RNSydney, Australia An ABC 50 kw station that occasionally had decent signals during the week, but usually pestered by 570-KVI splatter from the back side of the loop

585 2WEB Bourke, Australia (presumed) The fairly strong classic rock signals from this 5 kw station heard in Seaside at 1229 on 7-18 provided the first big surprise of the DXpedition <http://www.mediafire.com/?x5avb1mw42lncqj>. Heard regularly throughout the week, it had never managed a trace for John or me at Grayland on ULR’s. (thanks to Chuck and Patrick for suggestions).

594 3WV Horsham, Australia Strong ABC 50 kw station that usually owned the frequency throughout the week, as in this recording at 1229 on 7-22 in Lincoln City <http://www.mediafire.com/?ryp1po3a43w5cjy>.



- 594 NZ-Rhema (Two stations in New Zealand) Occasionally audible with Christian contemporary music // 648 kHz on mornings with Kiwi-slanted propagation, as in this Lincoln City recording (without 3WV QRM) at 1239 on 7-23 <http://www.mediafire.com/?5r98o54tzhea4t3>
- 603 R. Waatea Auckland, New Zealand Another DXpedition surprise, with fairly strong Maori language programs almost every morning. A solid Lincoln City recording at 1234 on 7-23 made me wonder why John and I had never heard a trace of this on ULR's at Grayland <http://www.mediafire.com/?mxy9odb6ml42e0z>. The station was a regular all week, having a varied music format with Maori speech, as in the Lincoln City MP3 at 1229 on 7-21 <http://www.mediafire.com/?4t8pkr4bf3m83s3>
- 603 UnID-DU In this recording made at Seaside on 7-18 at 1222, both an easy-listening music station and a more lively music station (mixing toward the end of the MP3) are audible. <http://www.mediafire.com/?i5xtjw3ktalas0n> It's unclear which of the two is Radio Waatea, but the other may be 2RN, according to a suggestion from Bruce.
- 639 Radio Fiji One Laotoka, Fiji This 10 kw station was a DXpedition regular all week, usually fighting it out with a surprisingly strong talk station (presumed 2HC). Polynesian choral music was a large part of the programming, as in this Lincoln City MP3 at 1236 on July 22 <http://www.mediafire.com/?rog2ac43nqio2dg>
- 639 2HC Coff's Harbour, Australia (presumed) Another big surprise, this talk back station gave surprisingly stiff competition to Fiji almost every morning of the week, but had never been heard on ULR's at Grayland. This Seaside MP3 made at 1257 on 7-18 shows its strength <http://www.mediafire.com/?c1nwlblzljz4y23k>, and it occasionally fought it out with Fiji in a snarl, made worse by KFI heterodynes joining in (as in this Lincoln City recording made on 7-20 at 1241): <http://www.mediafire.com/?9n6jzr9ali2g2pw>. Thanks to Chuck for various info.
- 648 NZ-Rhema Gisborne, New Zealand This 5 kw station was a regular on most mornings with Christian contemporary music, and no DU competition. Occasionally it had quite good signals through the splatter, as in this Lincoln City MP3 on 7-23 at 1312: <http://www.mediafire.com/?ahfdfdf61bszo11>
- 657 2YC Wellington, New Zealand (Southern Star) Along with 567, this was usually the first DU to fade in, providing an indication of Kiwi propagation. Signal strength for its easy listening music programs was usually good, but with occasional domestic splatter from the loop's back side, as in this Lincoln City MP3 on 7-22 at 1205: <http://www.mediafire.com/?swafbja6wcvst9>
- 657 UnID-DU Occasionally mixing with 2YC on exceptional mornings was the talk format station in the early part of this MP3 recorded in Lincoln City at 1238 on 7-20: <http://www.mediafire.com/?7cetp8yj1r8i8ke> This may be 2BY (an ABC station), according to a suggestion from Chuck.
- 666 UnID-DU (French-sounding speech) An easy listening music station that was an occasional visitor in Lincoln City (only on exceptional mornings), this was probably the DXpedition's "big one that got away." The only speech recording made (in Lincoln City at 1227 on 7-20) <http://www.mediafire.com/?t55oe9qdruhu22v> was marginal, and though the intonation was "French-like," there just wasn't enough clarity to claim a presumed logging of the only French DU station on the frequency (Noumea, New Caledonia). Easy listening music made up most of the weak station's format, as in this MP3 recorded in Lincoln City on 7-23 at 1243 <http://www.mediafire.com/?17z11ianu94zz59>. A nice DX target for the next trip!
- 675 3YA Christchurch, New Zealand (National Radio) The strongest of the Kiwi stations throughout the week, this station's mixed format of easy listening music and talk was usually pounding in each morning, // 567 kHz. Its frequency helped it to avoid much splatter, as in this Lincoln City recording on 7-24 at 1239 <http://www.mediafire.com/?u5tilrrhkbq833s>
- 684 Radio Fiji One Labasa, Fiji Thanks to a tip from Walt, this 2.5 kw parallel of 639-Fiji was identified as having identical programming during infrequent fade-ins. With anemic signal strength, it was never audible when 2KP was around, and waited until exceptional mornings to show up at all.
- 684 2KPKempsey, Australia One of the weaker ABC stations throughout the DXpedition, despite the relatively splatter-free frequency. Its signal rarely amounted to much (except during exceptional Aussie propagation), and it usually played hide and seek, along with 684-Fiji.
- 702 2BLSydney, Australia Regular good signals were common with this 50 kw ABC station all week long, although it didn't quite reach the legendary level of 738-2NR.
- 738 2NRGrafton, Australia The blowtorch signal level of this 50 kw ABC station in both Seaside and Lincoln City was one of the big surprises of the trip, and it was the strongest DU heard during the vacation. This booming MP3 made at Seaside on 7-18 at 1240 was typical: <http://www.mediafire.com/?h97pv3inxv2hr27>. 738-Radio Tahiti (in French) was also on the frequency, however, and when these two DU "big guns" chose to fight it out, the result could sound almost catastrophic, as in this bizarre MP3 recorded in Lincoln City at 1255 on 7-20: <http://www.mediafire.com/>





[?eea954j14dmzalm](#) . This Armageddon-like signal pegged the PL-380's S/N display at 55/25, and was heard on a barefoot SRF-T615

738 Radio Tahiti Mahina, Tahiti This 20 kw French-language station was extremely strong throughout the week, but had the misfortune of sharing the frequency with 2NR. French speech and music often mixed with 2NR's English, as in this recording made in Lincoln City at 1300, 7-20: <http://www.mediafire.com/?97939k3l27e7orh>

756 1YAAuckland, New Zealand (National Radio) Usually playing easy listening music and trying to make it through 750-KXL splatter, this Kiwi 10 kw station was much weaker than its 675 parallel. Audible only during favorable propagation.

765 UnID-DUPlaying upbeat popular music, this mystery station showed up in Lincoln City for a last-day MP3 at 1220 on 7-24: <http://www.mediafire.com/?z5dyefc6doeyc5g> Because of strong Kiwi propagation at the time I thought that this might be the 2.5 kw Maori station 2XT, but the speech between songs sounds like English, and Guy suggests 2EC in Bega, Australia. Bruce also received 5CC here, in the early 90's.

774 3LO Melbourne, Australia This 50 kw ABC station was a powerhouse on most mornings, but usually troubled by 770-KTTH splatter. Curiously, there was never even a trace of the Japanese mega-station JOUB on the frequency all week, in Oregon.

792 4RN Brisbane, Australia During the infrequent times when checked, this music-oriented ABC station was holding down the split frequency very well. Depending upon propagation, this could be one of the more vibrant Aussies.

891 5AN Adelaide, Australia This 50 kw Southern Australia ABC blaster had signals second only to 738-2NR on most mornings. This MP3 in Lincoln City at 1225 on 7-22 was typical, in which ABC's coverage of the Australian election season is being promoted: <http://www.mediafire.com/?7024pszgdr8vs4o> . The station also played some nice music at times, as in this banjo music recording in Lincoln City on 7-24 at 1302: <http://www.mediafire.com/?s3d55axxtbx31oc>

891 UnID-DU5AN occasionally had competition from fast-talking QRM (presumed to be the 5 kw Townsville station, 4TAB), as in this MP3 recorded at 1308 on 7-20 in Lincoln City: <http://www.mediafire.com/?0az52aamuq7x5az>

1116 4BC Brisbane, Australia Very strong signal at times, but usually pestered with 1120 kHz splatter. This MP3 of a talk back program was recorded in Lincoln City on 7-24 at 1310: <http://www.mediafire.com/?5gguvk71b7ni4xj>

1503 UnID-DUDuring a rare upper band check, audio was noted on this frequency in Lincoln City on 7-24 around 1302, with a format similar to the NZ Radio Sport Network (heard before on ULR's at Grayland).

1512 2RN Newcastle, Australia Although upper band DX chasing was rare during this trip, this 10 kw music-oriented ABC station usually came through with decent strength (like in Grayland), and was the premier upper band DU signal.



#### ADDITIONAL RESOURCES:

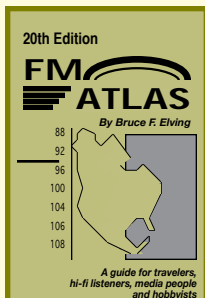
Tecsun PL-380 AM-FM-SW-LW DSP receiver review <http://www.mediafire.com/?w4yuzhj2kyz> 3'

Portable PVC Loop pictorial article <http://www.mediafire.com/?hqyzzu1mvvyt> PVC Loop Article <http://www.mediafire.com/?igw1zjwfmw> PL-360/ PL-380 7.5" Plug-in Loopstick article <http://www.mediafire.com/?yummxhqeiyj>

Supercharging the ICF-2010 (19.5" loopstick) <http://www.mediafire.com/?lrlmpp0bjw7x8p7>

Please preserve these QSL's for future display! Do not discard these items. For preservation information, contact the National Radio Club

If you are interested in helping preserve the history of our hobby through preserving your collections, you should consider ordering a supply of these free 3-inch-square stickers to place on your veries, recordings, etc. Specify the number you need, and order from NRC Publications - P.O. Box 473251 - Aurora CO, - 80047-3251. Include an SASE. Don't wait until it's too late - order now.



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# College Sports Networks

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## Network listings for college sports stations

This month, we look at radio networks for schools that begin with "T". Flagships are marked in bold.

**TARLETON STATE TEXANS**, Stephenville TX, Lone Star Conference (Division II)  
93.1 KSTV-TX



**TEMPLE OWLS**, Philadelphia PA, Mid-America Conference (football), Atlantic 10 (other sports)  
1210 WPHT-PA

**TENNESSEE VOLUNTEERS**, Knoxville TN, Southeast Conference (football network)

600	WCVP-NC	1400	WMXF-NC	94.3	WJMM-TN	101.7	WJLE-TN
680	WMFS-TN	1400	WZNG-TN	94.7	WGSQ-TN	101.7	WKOM-TN
710	WTPR-TN	1410	WCMT-TN	95.1	WCDZ-TN	102.1	WLCT-TN
730	WLIL-TN	1420	WEMB-TN	95.3	WTBG-TN	102.5	WOWF-TN
920	WLIV-TN	1420	WKSR-TN	95.9	WDXE-TN	103.1	WIKQ-TN
950	WAKM-TN	1440	WZXY-TN	96.5	WBFG-TN	103.1	WMXX-TN
990	WNML-TN	1450	WTRO-TN	96.7	WMOD-TN	104.1	WCLE-TN
1060	WQMV-TN	1480	WJLE-TN	96.7	WNKX-TN	104.1	WUCZ-TN
1150	WCRK-TN	1490	WJMM-TN	97.3	WKJQ-TN	104.5	WGFY-TN
1240	WENK-TN	1490	WOPI-TN	97.7	WZZN-AL	104.7	WLIV-TN
1260	WDKN-TN	1520	WKPP-TN	98.3	WKSR-TN	104.9	WBOZ-TN
1270	WLIK-TN	1570	WTRB-TN	98.3	WRJB-TN	104.9	WQLA-TN
1270	WQKR-TN	1590	WKTP-TN	99.1	WNML-TN	105.5	WBNT-TN
1280	WMCP-TN			99.3	WNRX-TN	105.5	WYTM-TN
1310	WDXI-TN	92.9	WMFS-TN	101.3	WECO-TN	106.5	WSKZ-TN
1340	WCDT-TN	93.5	WKBL-TN	101.5	WFTZ-TN	107.3	WTRZ-TN
1340	WGRV-TN	93.5	WKWX-TN	101.5	WQUT-TN	107.7	WIVK-TN
1400	WKPT-TN	93.9	WAYA-TN	101.5	WTPR-TN		

**TEXAS A&M-KINGSVILLE JAVELINAS**, Kingsville TX, Lone Star Conference (Division II)

1230	KSIX-TX	91.1	KTAI-TX (selected games)	92.1	KOPY-TX
1410	KNAL-TX				

**TEXAS CHRISTIAN HORNED FROGS**, Fort Worth TX, Mountain West Conference

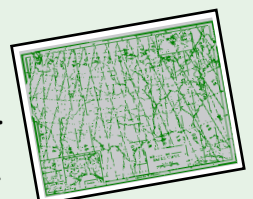
820	<b>WBAP-TX</b>	1270	KFLC-TX(Spanish)	92.1	KTFW-TX
1070	KNTH-TX	1420	KPIR-TX	96.7	<b>WBAP-TX</b>

**TEXAS LONGHORNS**, Austin TX, Big 12 Conference (football network)

600	KROD-TX	1260	KSML-TX	1490	KYZS-TX	98.1	KVET-TX
600	KTBB-TX	1290	KIVY-TX	1560	KZQQ-TX	99.9	KSHN-TX
610	KILT-TX	1300	KVET-TX	1580	KTLU-TX	101.9	KBUS-TX
760	KTKR-TX	1400	KTEM-TX	1590	KEAS-TX	103.9	KMHT-TX
860	KFST-TX	1400	KVOU-TX	1590	KGAS-TX	104.3	KGAS-TX
900	KPYN-TX	1410	KBAL-TX	1600	KOGT-TX	106.3	KKHR-TX
1080	KRLD-TX	1410	KLVQ-TX	1660	KRZI-TX	107.7	K I N V - T X
1200	WOAI-TX	1440	KEYS-TX			(Spanish)	
1240	KSOX-TX	1450	KMHT-TX	92.3	KETX-TX	107.9	K H C K - T X
1240	KVLF-TX	1470	KWRD-TX	92.5	KZRC-TX	(Spanish)	
1260	KKSA-TX	1490	KWMC-TX	94.3	KBTS-TX		

## Sunrise-Sunset Maps

Monthly maps (12) showing the average monthly sunrise/sunset times for the U. S.; customize them for your location. \$3.25 for NRC members (\$4.50, non-members). Order from NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)



**TEXAS A&M AGGIES**, College Station TX, Big 12 Conference

550	KTSA-TX	1290	KIVY-TX	1450	KMHT-TX	93.5	KOOK-TX
600	KTBB-TX	1310	KZIP-TX	1490	KBST-TX	94.3	KFST-TX
710	KURV-TX	1330	KSWA-TX	1490	KLNT-TX	94.3	KYOX-TX
790	KBME-TX	1340	KEKC-TX	1490	KYZS-TX	94.3	KYXX-TX
900	KFLP-TX	1340	KAND-TX	1550	KCOM-TX	95.5	K K M J - T X
900	KPYN-TX	1340	KRBA-TX	1570	KVLG-TX	HD3	
960	KGKL-TX	1340	KVNN-TX	1590	KGAS-TX	95.9	KCKL-TX
1010	KBBW-TX	1360	KACT-TX	1620	WTAW-TX	98.5	KRXT-TX
1150	KZNE-TX	1360	KTTX-TX	1630	KKGM-TX	99.9	KMOO-TX
1230	KERV-TX	1370	KJCE-TX			100.5	KMVL-TX
1230	KSST-TX	1390	KULP-TX	88.5	KMQX-TX	102.3	KQBZ-TX
1240	KSOX-TX	1410	KBAL-TX	89.1	KSQX-TX	104.9	KBUK-TX
1240	KVLF-TX	1410	KLVQ-TX	92.1	KHOS-TX	105.3	KRLD-TX
1250	KZDC-TX	1420	KGNB-TX	92.1	KTBB-TX	106.1	KBAL-TX
1280	KWHI-TX						

**TEXAS-EL PASO**, El Paso TX, Conference USA

1150	KSVE-TX (Spanish)	92.3	KOFX-TX
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**TEXAS TECH RED RAIDERS**, Lubbock TX, Big 12 Conference

600	KTBB-TX	1260	KWNX-TX	89.5	KYQX-TX	97.3	KLZK-TX
690	KPET-TX	1340	KAND-TX	91.3	KDKR-TX	97.7	KATX-TX
860	KPAN-TX	1360	KACT-TX	91.3	KYJC-TX	100.3	KOMX-TX
910	KBIM-TX	1380	KHEY-TX	92.5	KBEY-TX	101.9	KACQ-TX
910	KNAF-TX	1390	KHOB-NM	92.9	KDCD-TX	103.1	KVWC-TX
950	KPRC-TX	1450	KCYL-TX	93.7	KXTQ-TX	104.3	KTTU-TX
950	KJTV-TX	1450	KMBL-TX	95.7	KARX-TX	105.3	KLSR-TX
1090	KVOP-TX	1490	KVWC-TX	95.7	KBST-TX	105.5	KACT-TX
1190	KFXR-TX	1490	KYZS-TX	96.1	KIXK-TX	106.1	KMDX-TX
1240	KXOX-TX	1530	KZNX-TX	96.9	KXYL-TX	106.3	KPAN-TX
1240	KVLF-TX	1590	KEAS-TX	96.9	KMCM-TX	106.3	KSEM-TX
1250	KZDC-TX			97.1	KVRP-TX	106.9	KKYN-TX

**TOLEDO ROCKETS**, Toledo OH, Mid-America Conference

1230	WCWA-OH	1300	WJMO-OH	1310	WDTW-MI	1370	WSPD-OH
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**TROY TROJANS**, Troy AL, Sun Belt Conference

540	WDAK-AL	1290	WOPP-AL			101.1	WYDE-AL
560	WOOF-AL	1310	WHEP-AL	92.5	WHEP-AL	101.1	WVVL-AL
1260	WYDE-AL	1490	WHBB-AL	94.7	WTBF-AL	107.9	WMRK-AL
1270	WSHE-AL						

**TULANE GREEN WAVE**, New Orleans LA, Conference USA

540	KMLB-LA	1240	KANE-LA			104.7	WJSH-LA
690	WIST-LA	1400	KOAK-LA				

**TULSA GOLDEN HURRICANES**, Tulsa OK, Conference USA

740	KRMG-OK	1400	KTMC-OK	1600	KUSH-OK	102.3	KRMG-OK
1240	KOKL-OK	1430	KTBZ-OK			104.9	KRIG-OK
1390	KCRC-OK						

## Valcom Antennas

By William Halee



If you are a regular reader of AM Switch, you've seen numerous mentions of stations replacing their antenna systems with a "Valcom" antenna. Some are used in temporary, or emergency situations, while others are meant to be a permanent replacement for an old or displaced tower. In case you're wondering just exactly what is a Valcom antenna, we'll try to explain.

The systems we are highlighting here are manufactured by the Valcom Manufacturing Group of Guelph, Ontario. The antennas were originally designed to the requirements of the Canadian Department of Transportation for fixed nondirectional radio beacon service. They are now employed around the world in many notable applications, including high-efficiency marine coast stations and communicating systems, and aeronautical radio beacons operating in the 540-to-1700 kHz frequency range.

– There are three models in their line designed for Medium Wave stations –

### Portable 35-Foot Fibreglass Antenna: V-33035AM/CL2

The V-33035AM/CL2 antenna and tunable coupler system is designed for portable applications providing a vertically-polarized, omni-directional radiation capable of handling power levels up to 1 kW. For higher power applications, the antenna can be purchased



with an optional top termination disc which reduces the corona effects to allow for power levels up to 5 kW at certain frequencies.

The antenna is comprised of a base section and a coil-loaded second section. In the event a customer has a requirement to change frequencies, there are a total of six '2nd sections' available, each coil-loaded to provide optimum performance within a specific sub-band within the full frequency band of 540 to 1700 kHz. Although these antennas are normally sold as a two-piece kit, for applications where

#### 35-foot model on available trailer

it is necessary to change the operating frequency within the full band, such as an engineering firm, the V-33035AM/CL2 can be sold and shipped as a complete 7-piece set. An optional trailer is also available to store, transport and erect the antenna system when required.

- 75-Foot Coil Loaded Self-Supporting Whip Antenna: V-33075 Series
- 85-Foot Coil Loaded Self-Supporting Whip Antenna: V-33085 Series

These two models are heavy duty, free standing coil-loaded whip antennas. The second section is inductively loaded to the resonant frequency as specified by the customer. Notable applications include the non-directional radio beacon service employed around the world including coast stations in the 540-to-1700 kHz bands for marine and aeronautical radio beacon and communication systems, plus Medium Wave broadcast stations

The 75- and 85-foot models are becoming a favorite of U.S. stations since the Federal Communications Commission announced their approval of Valcom systems. The FCC's notice follows:

The Valcom antenna, manufactured by Valcom Manufacturing Group Inc., is a self-supporting whip antenna which is shorter and more streamlined than the one-quarter wavelength lattice tower typically used by AM stations. The Valcom antenna includes a 'Valcosphere', or a wire-framed sphere, mounted at the top of the whip antenna. A top-loading coil is mounted approximately one-third of the total height above the antenna base. The Valcom antenna requires use of a 120-radial buried ground system.

The 85-foot Valcom antenna may be used at frequencies ranging from 1200 to 1700 kHz; the 75-foot Valcom antenna may be used at frequencies from 1390 to 1700 kHz. The low-profile Valcom antenna affords AM licensees the flexibility to place antennas in areas where taller towers may be unacceptable, and may be more economical to build and maintain than a standard antenna. Applicants may only specify the Valcom antenna for non-directional use. The Bureau will consider authorizing the use of directional Valcom arrays when more information is available.

The field tests on which the calculated efficiency figures are based were performed with the Valcom antenna mounted above a ground system consisting of 120 buried radials, each 120 feet in length.

My thanks to **Bill Burtenshaw**, Operations Manager of the Valcom Manufacturing Group, for his permission to print this article. For more information on the Valcom antennas, visit their website at: <http://www.valcom-guelph.com/>



**The 75- and 85-foot models are similar to the one shown here mounted on a permanent base.**



# *International DX* Paul Swearingen

## *Achievements*

International DX verie/taped totals listed by continents

Year	DXer	Location	Update	Total								
				NA	Veries	Ctries	Foreign	SA	Eur	Af	As	Oc
1933	Geary, Kermit	PA	2001	571	6554	115	1106	291	152	28	2	62
1938	Anderson, Roger A.	VA/NY/PA	2007	227	1448	105	514	78	128	28	5	48
1940	Morss, Stan	MA	1993	218	3922	84	424	65	221	14	3	1
1958	Merriman, Alan	VA	1994	212	1615	93	368	47	88	14	4	3
1950	Krejny, Edward	OH	1996	208	2733	76	441	126	91	10	0	6
1986	Axelrod, Shawn	So Man	2008	196	2487	56	342	38	57	12	10	29
1976	Froemming, Gary	AZ	2004	157	624	24	131	25	0	0	1	9
1952	Schiller, Ron B.	NJ	1999	136	2103	86	254	34	72	8	3	1
1975	Heinen, Wayne	CO	2010	128	1734	15	135	1	1	0	2	3
1969	Karchevski, Bob	MA/CA	1975	112	204	24	141	0	0	0	0	6
1947	Luton, Relfe	NC	1973	102	1049	23	142	4	3	0	0	33
1946	Moore, Ray	MA/FL	2005	95	253	107	252	52	59	24	7	11
1958	Dangerfield, Ben	PA	2005	85	436	130	337	45	152	35	13	8
1957	Callarman, John	?	1970	72	740	50	138	20	17	3	6	20
1965	Neff, James R.	NY	1971	70	30	29	87	4	10	1	1	1
1975	Swearingen, Paul (taped)	KS	2010	63	910	23	126	16	0	0	0	0
1967	Floden, Eric	ONT	1970	61	93	16	65	3	0	0	0	0
1976	Renfrew, Jim	NY	2003	59	540	56	91	10	19	1	1	0
1958	Wesolowski, Ernie	NE	2007	55	1967	26	70	6	0	1	1	7
1962	Edmunds, R. J. (taped)	NJ	1998	50	897	43	56	37	14	0	1	0
1931	Holland, George B., Jr.	NY	2006	46	885	22	58	5	5	0	1	2
1962	Musco, Ron	CT	2003	40	1392	50	54	5	10	3	1	0
1973	Sgrulletta, John	NY	2007	40	92	76	92	6	34	7	5	0
1959	Dabelstein, Carl	NE	1959	25	2310	40	207	1	1	0	0	3
1965	Sampson, John	NJ	1965	23	445	54	72	6	38	3	1	1
1992	Taylor, Pete	CA	1993	22	375	26	58	4	0	0	19	13
1973	Mount, Paul	NJ	1995	22	230	6	25	2	0	0	0	0
1958	Phillips, Dan	TN/AL	1974	21	567	26	40	9	5	1	0	3
1962	Davisson, Tim	OH	1962	21	474	11	38	1	0	0	0	0
1964	Fela, Joseph	NJ	1965	19	738	24	35	4	11	1	0	0
1966	Bruner, Jesse R.	KY	1966	17	132	23	27	3	5	0	0	2
1969	Falconer, Jeff	ON	2000	14	1091	22	20	2	2	0	0	2
1964	Heinen, Wayne	NY	2006	14	472	14	21	2	5	0	0	0
1977	Wolfish, Niel	ON	1977	14	397	11	20	4	2	0	0	0
1968	White, Thomas	VA	2005	11	255	12	12	1	0	0	1	0
1962	Edmunds, R. J. (paper)	NJ	1998	10	266	7	13	3	0	0	0	0
1964	Whatmough, Dave	ON	1999	6	1014	13	15	1	3	6	0	0
1964	Edmunds, R. J.	NY	1999	1	76	3	1	0	0	0	0	0
1968	Bytheway, Phil	WA	1982	0	457	9	20	0	0	0	0	0
1965	Long, John	CT	1968	0	101	29	0	0	0	0	0	0
1975	Bartek, Daniel, Jr.	NE	1976	0	23	2	0	0	0	0	0	0

This IDXA is tabulated by North American veries/tapes, with total veries as the tie-breaker. Thanks to Jim Renfrew for sending in updated totals - and no thanks to AOL for "eating" them as they sat on my hard drive, so that they are not reflected above. Sorry, Jim. Although non-renewing members are routinely deleted from this list, if you've rejoined and don't see YOUR name in the listing above, send in your totals so we see YOU here next time!

Feel free to send in your updated totals in time for the next IDXA; you probably have a month or more. Remember, only taped or paper veries are counted, and mainland U. S. and Canadian catches should not be included in NA totals for either U. S. or Canadian DX'ers. Include your best catch from each continent and all other totals when reporting. And please update only from what you see above.



# *Domestic DX Achievements*

Paul Swearingen

Domestic DX totals listed periodically in different categories

<i>Name and location</i>	<i>Yr</i>	<i>Last Upd</i>	<i>TDH</i>	<i>SH</i>	<i>PH</i>	<i>TDV</i>	<i>TDI</i>	<i>ST</i>	<i>PT</i>	<i>DCT</i>	<i>DCH</i>	<i>DCV</i>
Geary, Kermit-e PA	1926	Jul-06	5939	50	10	5448	2768	49	10	√	√	√
Krejny, Ed-nr Cleveland, OH	1950	Nov-96	3265	49	10	2729	0	0	0		√	√
Winsor, Roger - Valparaiso, IN	1964	Aug-07	3154	50	10	1224	0	0	0		√	
Falconer, Jeff-Clinton, ON	1969	Jul-00	2799	49	10	1070	0	0	0		√	√
Francis, Steve-nr Knoxville, TN	1970	Oct-07	2754	48	9	37	885	45	5	√	√	√
Pimper, Dennis-NE, UT	1939	Dec-06	2540	47	7	425	651	40	5			
Wesolowski, Ernie-Omaha, NE	1958	Jan-08	2474	49	9	1966	0	0	0		√	√
Kureth, Joe-Uniontown, MD	1961	Jan-00	2162	46	10	342	0	0	0		√	√
Axelrod, Shawn M.-s MAN	1986	Feb-06	2149	50	10	0	0	0	0		√	√
Whatmough, Dave-Hamilton, ONT	1951	Jan-00	2061	49	10	1030	0	0	0		√	√
Wilkins, John-Wheat Ridge, CO	1981	May-08	1958	41	6	1088	970	40	6			
Edmunds, R. J.-n NJ/e PA	1962	Feb-09	1916	47	9	227	1084	43	8	√	√	
Fela, Joseph-cent. NJ	1961	Oct-78	1861	49	10	1045	400	40	7	√	√	√
Chatterton, Ken-n NY	1945	Nov-78	1845	50	10	1101	0	0	0		√	√
Forth, Karl-vic Chicago, IL	1970	Nov-78	1771	48	10	1088	1077	48	10	√	√	√
Renfrew, Jim-Rochester, NY	1976	Oct-06	1709	47	10	449	68	35	8		√	√
Heinen, Wayne-CO	1975	Feb-10	1647	42	5	1176	747	37	6			
Malicky, John-Pittsburgh, PA	1970	Jan-08	1633	42	6	902	1335	40	6	√	√	√
Bailey, Ron-Shelby, NC	1992	Aug-08	1583	37	6	5	0	0	0		√	
Jeter, Karl-Atlanta, GA	1969	Mar-84	1574	44	6	1193	0	0	0		√	√
Musco, Ron-nr Hartford, CT	1962	Jan-07	1400	47	9	1269	108	28	3		√	√
Hayes, Harry J.-ne PA	1970	Jul-98	1354	41	9	185	641	39	9	√	√	
Wilkins, John-W. DesMoines, IA	1962	Nov-06	1307	45	7	489	0	0	0		√	√
Arruda, Ray-nr Boston, MA	1963	Oct-06	1292	47	9	1150	0	0	0		√	√
Wolfish, Niel-Toronto, ONT	1978	Feb-93	1285	43	10	493	402	39	6		√	√
Schmidt, Dave-se PA/n DE	1965	Nov-79	1250	48	8	1006	400	40	4			
DeLorenzo, Marc-e MA	1962	Mar-07	1239	45	10	1	1	0	0		√	
Onyschuk, Ken-Homewood, IL	1967	Aug-06	1064	43	6	16	0	0	0		√	
Anderson, Roger-Arlington, MD	1938	Jan-06	1017	48	9	1017	0	0	0		√	√
Foxworth, Robert-Long Island, NY	1957	Nov-78	1000	49	10	270	400	44	9	√	√	√
Harrison, Bob-ne NJ	1982	Jun-98	996	36	7	772	0	0	0		√	√
White, Thomas-Arlington, VA	1968	Jan-92	994	39	7	243	0	0	0		√	√
Truax, Dick- vic. Louisville, KY	1972	Dec-78	935	46	6	20	120	35	5	√	√	
Sampson, John-Omaha, NE	1954	Dec-78	912	45	6	912	0	0	0		√	√
Hardison, Greg-Atlanta, GA	1964	Nov-78	900	36	6	42	0	0	0			
Taylor, Pete-Durham, NC	1952	Mar-00	891	40	6	208	0	0	0		√	√
Kureth, Joe-Southern Pines, NC	1963	Jun-71	878	38	7	92	0	0	0		√	√
Rigas, Christos-vic Chicago, IL	1981	Mar-98	862	46	7	382	0	0	0		√	√
Holland, George Jr., vic. Albany, NY	1931	Oct-06	828	49	9	828	0	0	0		√	√
Smolarek, Bob n NJ	1982	Jun-06	817	36	5	7	78	16	5		√	
Wolfish, Niel-Winnipeg, MAN	1985	Feb-93	813	37	9	25	113	10	4			
Wallace, Jim-Columbus, OH	1969	Oct-78	795	41	7	137	0	0	0		√	√
Swearingen, Paul-e KS	1975	Dec-07	788	44	7	2	788	44	7	√	√	
Bond, Jerry-Rochester, NY	1962	Oct-78	785	43	8	0	50	10	2		√	
Crabill, Perry - VA	1990	Jan-06	779	35	3	0	0	0	0		√	
Hardy, Nancy-coastal WA	1969	Dec-84	778	40	5	3	0	0	0			
Ponder, Stephen-Shreveport, LA	1975	Aug-89	769	39	5	721	10	4	4		√	√
Winkelman, Bruce-Tulsa, OK	1979	Nov-06	705	36	5	0	0	0	0			
Reed, John-Ponca City, OK	1995	Jan-06	656	40	6	0	0	0	0			
Edmunds, R. J.-Syracuse, NY	1964	Sep-99	533	45	9	75	0	0	0		√	√
Boersma, Philip-w MI	1973	Oct-78	520	41	6	50	0	0	0			
Mount, Paul-ne NJ	1973	Feb-86	489	36	7	224	199	26	5	√	√	√
Heinen, Wayne-NY	1964	Jan-06	480	44	9	429	30	14	0		√	√

Taylor, Pete-Tacoma, WA	1981	Mar-00	468	33	3	70	399	33	0		
Jones, David B. - Springfield, TN	1996	Apr-06	464	34	4	168	0	0	0		√
Sampson, John-Winston-Salem, NC	1968	Oct-78	450	30	1	450	0	0	0		√
Taylor, Pete-San Francisco	1958	Mar-00	450	32	7	329	70	6	1		
Tudenhams, John-Joplin, MO	1990	Oct-97	444	36	5	0	0	0	0		
Mount, Paul-se OH	1978	Feb-86	390	36	3	3	60	25	1		√
Houdek, Gary-n KS	1975	Feb-06	374	37	4	54	0	0	0		
Alves, Paul H.-nr Boston, MA	1948	Feb-99	352	32	6	145	0	0	0		√ √
Sampson, John-Hutchinson, MN	1960	Oct-78	336	42	6	336	0	0	0		
Vervoort, John-Madisonville, KY	2004	Jun-07	303	32	2	0	0	0	0		√
Vervoort, John-Brooklyn, NY	2000	Nov-06	274	31	5	4	25	9	2	√	√
Turner, Rick-Bemidji, MN	2005	Jan-06	273	27	5	0	0	0	0		
Sampson, John-Cupertino, CA	1966	Oct-78	258	17	3	258	0	0	0		
Karchevski, Bob-San Francisco, CA	1969	Oct-78	249	36	5	198	197	35	5		
Hopkins, Eric - MA	2007	Feb-08	242	27	4	0	0	0	0		√
Taylor, Pete-Coral Gables, FL	1945	Mar-00	221	29	3	132	0	0	0		√ √
Sampson, John-New York, NY	1965	Dec-78	181	33	6	181	0	0	0		√ √
Edmunds, R. J.-ne ME	1994	Sep-99	172	20	6	0	0	0	0		
Vervoort, John-Murray, KY	2003	Jan-07	152	29	2	0	7	7	0		√
Vervoort, John-Bronx, NY	2003	Nov-06	144	22	5	0	0	0	0		√
Thompson, Blaine-Toledo, OH	2003	Feb-06	137	22	2	0	0	0	0		
DeLeurere, Harley-Hendricks, WV	1955	Oct-78	59	48	10	59	0	0	0		√ √

**Legend:**

√	District of Columbia heard, taped, and/or verified
TDH, TDT, TDV	Total Domestic Heard, Taped, Verified
SH, ST, SV	States Heard, Taped, Verified
PH, PT, PV	Provinces Heard, Taped, Verified

Thanks to Wayne Heinen for his update for this column, which is arranged by Total Domestic Heard and Total Domestic Verified as the tiebreaker. We'll run various priorities at different times. Domestic of course include the contiguous 48 states and Canada; Alaska, Hawaii, Puerto Rico, etc., are counted as foreigners. We'll only delete listings of those who are no longer NRC members, so should you drop out and rejoin, you'll need to resubmit your totals. How about making it a priority for next time of filling in the blanks above, at least in the year started and last update column? Some of the listings are estimates, and that's just fine, but don't forget to update accurately when you can. Please join us -73.

# Musings of the Members

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

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

**Nancy Johnson - 265 Waterton Way - Billings, MT 59102** [nancyjohnson@prodigy.net](mailto:nancyjohnson@prodigy.net)

John and I would like to thank the Rochester convention committee for a wonderful time. The last NRC Convention that I attended was 40 years ago, and for John it has been 47 years! We had a fun time going on the station tours, meeting new friends and renewing old friendships, and attending the technical seminars. We were so impressed with Chris Black's presentation that we now plan to purchase a Perseus radio, and build a "Kaz" antenna as a result of Neil's talk on antennas. Thanks again to Scott & Lisa, Jerry, Greg, Rick, and Jim for hosting such a wonderful convention.

**John R. Malicky - 995 Shadycrest Road - Pittsburgh, PA 15216**

"Scanning the Globe"

Hello all! Like Jack Benny's butler of his past radio and TV programs, Rochester 2015 was a well! Look for my recap in an upcoming issue. Thanks again to Scott and Lisa Fybush, Jerry Bond, Greg Coniglio, Rick Lucas, and Jim Renfrew, all employees of WNYC, the Western New York Convention Committee! In between during my 27th year, I visited or stopped at 32 radio and/or TV facilities, 3 ballparks, the Mohegan Sun complex (home to the AHL Baby Penguins), the Jim Thorpe Memorial Park in Jim Thorpe, PA (formerly Mauch Chunk), the New York State Fair in Syracuse, and the University of Syracuse (WAER-88.3) that included entering the 30-year-old Carrier Dome as the



band practiced playing their fight song! In reality from August 23-30, my trip began at Jim Thorpe, to Hazleton (WAZL-1490), then Scranton/Wilkes-Barre and the area, Montrose, PA (WPEL-800/96.5), into Binghamton/Owego, NY (WEBO-1330 also now verified and adding 107.9), Baldwinsville/Syracuse, Rochester, and finishing on the 30th in the Buffalo area at WECK-1230.

However, a letter in July from Charlotte Geary and family would determine that I start my trip a day earlier on the 22nd and drive to her home in Walnutport, PA above Allentown. In it came the inquiry and pre-arrangement of Kermit that the NRC handle the removal, storage, and documentation of his radio memorabilia including for club purposes the earliest *DX News* issues from 1933-1954 and his approximately 6,500 QSLs from countries all over the world. Thankfully, within their 140-year-old home, son Kermit, Jr. brought from downstairs about 40 boxes of items two days before. Amongst our club's treasures were old *RADEX* magazines, NNRC (Newark News Radio Club) newsletters, World Radio TV Handbooks from 1949, IRCA (International Radio of America) newsletters, and even articles and books from NHK/Radio Japan!

With the help of Allentown 2009 host, nearby New Jersey member Bob Smolarek and I planned to transport everything to Rochester and deliver these items to Wayne Heinen and Paul Swearingen. I now had a 'valid' reason to attend Rochester while as a savings grace. Bob was able to pack two thirds of everything into his mini-van, I the other third, thank you Bobby! Also thanks to Wilkes-Barre member Harry Hayes for delivering 2 boxes from my car enabling a better view out of the rear passenger window! Packed like a turkey at Thanksgiving, I arrived at the Brookwood Inn whereupon Saturday morning, Paul and Wayne, with help, unloaded and sorted all the items for about 4 hours. The next plan was that Paul would get plastic tubs to store everything, cover this with a tarp in the bed of his pickup truck and eventually transport the valuable cargo to Aurora, Colorado. (Did! -pls.) From there and for now, Wayne and Joan (with help?!) would scan all the items onto disc while storing the actual letters and boxes in his basement. New for the AAA and DX Travel Guide, 'Wayne's World' is a must see in 2011! Meanwhile, some items not taken were auctioned. Still to be acquired and soon are Kermit's 300-400 5 and seven-inch reel-to-reel audio tapes, the taped DX, on shelves upstairs in his now silent, though historic DX den, but a memory that will live forever in all of us.

Part II and in other news, on August 14 after a local race, I was welcomed and made the 60-mile or so trip to Hillville, PA near East Brady, home of Buffalo Bills' Hall of Fame Quarterback Jim Kelly, to see and 'check out' (Mel) Check's Museum. This occurred just before a five-band benefit concert commenced for "Friendsofbonnie.org", to help this woman suffering from cancer. Listed in the Armstrong County Travel Bureau, Mel's museum and collection was another view back in time with over 800 early cabinet radios, microphones, transistor radios, and promotional items. Included in this group was a wireless recorder and a 1921 crystal set with 3 amplifiers built by 8XK/KDKA founder Dr. Frank Conrad. Always a kind gentleman, Mel was KDKA's engineer from 1964-1998 and one of our speakers from Pittsburgh 2008. Mel said that the room only contained one-half of his radios, the other and mostly non-working ones were stored in the attic, both areas on his property! Now in our property, this became the opportunity to have Mel as an NRC member. For more info on his museum, contact Mel at [check@zoomintemet.net](mailto:check@zoomintemet.net) or 660 Hillville Road, Karns City, PA 16401. Why you might even get a lunch! Or a QSL!

Along with the tour, I also met the Check family, wife Patsy, daughter Cindy, and sons Doran and Brian. Meanwhile, this concert program at Brian's home nearby contained an elaborate lighted stage adjoined by at least two sets of six large speakers on platforms, and out in the lawn was Doran's sound board under a small tent. For years Mel and Doran, one of maybe three father-son groups in the country who perform these duties, and engineer all the local teams' broadcasts or the majority of them. Also as the second band that day, "The Dead Fish", featuring Mel, Pat, Cindy, and Brian brought the event to life! Returning home via Butler, PA, I found the now relocated three-station operation at Hollywood Drive in the Pullman Commerce Center of WISR-680/WBUT-1050/WLER-97.7 uniquely that WBUT and WLER almost form their town's name!

Finally on July 24, August 11, and August 20, I had the pleasure of meeting some of our finest sports broadcasters and former players. Two meetings, on the 24th and 20th, were at PNC Park during Pirates vs. Padres/Mets games in the midst of a 100 plus loss horrendous season/ In the Hall of Fame Club on the first night, fans and I were invited to meet the upbeat voices Greg Brown and Bob Walk along with FSN reporter Dan Potash during a TV broadcast while on the second night, we met Rocco DeMaro, the energetic pre- and post-game host on WPGH-104.7 along with former pitcher and announcer Jim Rooker and Pirate Director of Broadcasting Mark Garda. As a still devoted 45-year fan, Greg, Bob, and Rocco keep most fans 'tuned in' or in Rocco's words, "part of the Resistance", that a winning team will be inevitable! Then on the 11th at Morton's Steakhouse downtown, a winning feeling permeated during the "Lunch with the Legends" speaker series sponsored by Crown Royal on ESPN 1250 WEAH hosted by "Sfean 'n Guy" - Stan Savran and Guy Junker. Their guests were Hall of Fame Second Baseman Bill Mazeroski and Pitcher Bob Friend. Already the 50th anniversary, Maz and Mr. Friend relived the glory year of 1960 when Maz hit his homerun and the Bucs defeated the NY Yankees to win the 7-game series. It was also my first time to meet Mr. Mazeroski as 3 weeks later the Pirates dedicated a statue of him rounding the bases, this now at PNC Park on September 5th. In the same vein, there should be a statue for you Paul Swearingen for hitting a homerun' as the outgoing 22 year NRC Editor; the





club and I thank you! 73s! (Thanks, John; it was a great run -pls.)

### **Jeff Ankstus, Lancaster, MA**

For five months now I have been trying to get a resolution to a newly developed powerline noise problem that has nearly rendered my listening post useless. It all started with a loud raspy buzzing noise that wiped out all but the strongest regional and local stations on MW and SW up to 14MHz.

I began with doing some research online to find some tips. Two websites were particularly helpful: PowerLineNoise.com and the ARRL. Both have excellent tutorials on understanding the causes and how to track them down.

As recommended I started by walking around with a battery portable inside my home. The noise was only heard with the radio in close proximity to electrical wires and I detected no noisy appliances. In order to narrow down the possibility of there being a source inside I shut off my breakers at the panel one by one until the noise went away indoors. Before I restored power I went outside and checked out my service drop from the pole – there it was again! Therefore it wasn't originating in my house. Likewise I checked the service drops of all my nearest neighbors and found the same thing. I continued up and down my street and neighboring areas to find that that awful noise could be heard at service drops and guy wires more than 1/2 mile away.

With this information I was convinced that it was a powerline noise issue. Consequently I contacted my local power company, National Grid, to file a detailed complaint with them. Three weeks and several follow up phone calls later a service rep came to my home to investigate. Despite the fact that in my complaint I said that the noise could not be heard on a car radio while driving along, he said that he was unable to detect the noise on his truck radio. Strike one. I demonstrated the noise with my battery portable against the service drop and guy wire of the pole near my house. He said that all powerlines have noise on them. Strike two. Strike three came when he said that National Grid would not invest time and money in solving a noise problem so that I could listen to anything other than local stations. With that I contacted the FCC and filed a complaint.

It was my belief that since the FCC has all sorts of rules and regulations about spurious and unintentional emissions that they would help me and there is a lot of info online regarding this. Two months later however I got a customized form letter from them saying that they do not investigate claims of RFI...basically, too bad! Come on! This is the FCC? Now, I am on my own.

I obtained a Radar Engineers Mini RFI Locator M330, the same one used by utilities to hunt down noise sources. Using it I scoured the powerlines within a half mile radius of home. Everything was quiet except a dual three phase transmission line running through the woods nearby. This was reported to National Grid. Some weeks later with a follow up phone call I discovered that my complaint had been closed because the transmission lines I pinpointed belong to Unitil. OK, I contacted Unitil with the same kind of complaint as I had with National Grid.

Unitil sent a line supervisor out to determine ownership of those transmission lines. They came back to me saying that National Grid owns them. I complained once again to National Grid with this info and they said the lines aren't theirs?

I find it difficult to believe and scary that: 1) the FCC will not enforce its own rules and regulations. 2) Two utilities are pointing fingers at one another over ownership of a transmission line. Is this a case of incompetence or negligence?

### **Tim Noonan – 801 E Park Blvd, Oak Creek WI 53154 <DXing2@aol.com>**

This past weekend my family and I hosted the Madison-Milwaukee get-together, and we all had a great day. 25 hobbyists, representing various aspects of radio and DX, were in attendance, engaging in conversations until almost 11. The only downside of the day was outside, where the mosquitoes and humidity kept people mainly indoors. As usual we went out for dinner, and Melrose Restaurant treated us very well. After dinner came the awarding of the bountiful door prizes, generously donated by Universal Radio and Radio Free Asia. The NRC members present were Neil J. Marino, Marc Marino, Ernie Wesolowski, and myself. We hope you can join us next year. I will host the event in Oak Creek, on Saturday, August 20, 2011.



### **Perry F. Crabill, Jr.**

#### **Broadcast Band Morse Code Interference**

Once upon a time I was a Transmission Engineer for the C&P Telephone Company in Washington, DC. Our office was responsible not only for transmission matters affecting regular telephone service, but also for special leased line services such as program channels for radio broadcast stations. These included the studio to transmitter links for stations whose studios were not collocated with the transmitter.

The company's tariff offerings provided various channel bandwidths for program services, such as 3.5, 5.0, 8.0, and 15.0 kilocycles (before we were using kilohertz). Sometime in the mid-1950s an interesting problem arose with the 15 kc channel that C&P was providing between radio station WPIK in Alexandria, Virginia, and its AM transmitter operating on 730 kc near Groveton, Virginia.

This channel was furnished via nonleaded pairs in an aerial telephone cable running a number of miles south along US Route 1 from Alexandria to Groveton. It was blamed for creating Morse code



interference to a Virginia listener whose favorite daytime programs were carried on station WBMD in Baltimore, operating on 750 kc. Analysis showed that the interference came from NSS, the US Navy's station in Annapolis, Maryland, operating on 17.8 kc with 2,000 kW and transmitting Morse code messages to ships at sea.

The program channel was picking up this signal, which was being modulated as 17.8 kc sidebands above and below WPIK's assigned frequency of 730 kc. The upper sideband fell on 747.8 kc, producing a 2.2 kc Morse code signal heterodyning WBMD's signal on 750 kc. When the matter was referred to me, my initial comment was that the audio console at the transmitter should have included a 15 kc lowpass filter to eliminate out-of-band noise.

Apparently such filters were not provided in this particular console, and it was up to me to eliminate the 17.8 kc signal from the program facility. Accordingly, I designed a series-tuned LC circuit resonating at 17.8 kc, and checked its performance with a HP 200CD oscillator and 400L ac VTVM. I turned it over to our Plant Department technicians for installation on the program channel at the transmitter site, and received confirmation that the interference was gone.

Several years later I received a report that the WBMD listener was once more receiving the same Morse code interference as before. When I inquired as to what had happened to my 17.8 kc trap circuit, I was told that WPIK's transmitter had been destroyed by fire, along with the trap. Apparently no one had remembered the need for the trap for the new transmitter, and to quote a phrase, it was "déjà vu all over again".

I built another trap, it was installed, and the interference was once more removed. As far as I know, WPIK had no more fires, and the filter may still be in place, although the radio station has had a number of call letter and format changes since the mid-1950s. In any event, the NSS longwave transmitter site at Annapolis was decommissioned some years ago, and would no longer be a problem.

# Geomagnetic Summary

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

High "A" values indicate possible auroral conditions

## Geomagnetic Summary March 1 through April 25 2010

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
3/ 1	78	6	1	no storms	29	83	4	1	no storms
2	79	4	2	no storms	30	83	5	2	no storms
3	80	7	2	no storms	3/31	81	4	2	no storms
4	80	7	0	no storms	4/ 1	79	14	3	no storms
5	80	4	1	no storms	2	76	15	2	no storms
6	78	2	2	no storms	3	77	5	2	no storms
7	77	3	9	no storms	4	79	12	3	no storms
8	76	4	1	no storms	5	79	37	2	strong
9	78	2	1	no storms	6	78	33	4	moderate
10	80	7	2	no storms	7	76	21	3	no storms
11	84	9	1	no storms	8	76	11	3	no storms
12	90	9	1	moderate	9	76	7	1	no storms
13	92	3	1	no storms	10	75	2	1	no storms
14	89	6	2	no storms	11	75	7	3	no storms
15	86	2	1	no storms	12	75	28	1	moderate
16	85	4	2	no storms	13	75	2	1	no storms
17	87	6	2	no storms	14	75	6	4	no storms
18	86	5	2	no storms	15	75	7	1	no storms
19	84	2	1	no storms	16	75	2	1	no storms
20	84	9	1	no storms	17	74	2	1	no storms
21	85	1	0	no storms	18	75	2	1	no storms
22	82	1	1	no storms	19	75	5	1	no storms
23	84	2	1	no storms	20	76	4	2	no storms
24	84	2	1	no storms	21	76	6	1	no storms
25	88	5	1	no storms	22	x	x	x	x
26	86	4	2	no storms	23	75	11	2	no storms
27	88	3	1	no storms	24	74	12	1	no storms
28	86	7	1	no storms	25	75	1	1	no storms

## National Radio Club

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