

July 30, 2011 – Volume 48, Number 30 – Edition 1542 – ISSN 899-9733

FROM THE EDITOR-IN-CHIEF

That time is here: the end of another volume of DX Monitor. With the heat being oppressive in many parts of the country (especially at my QTH in the Midwest), thoughts turn to cooler months and the forthcoming DX season. While my attention has been on FM and TV DX and the Amateur Radio contests, I still take time to DX the AM broadcast band, especially with local sunset at my QTH being after 2100 ELT. In October of 2011, I will approach a milestone: 30 years in the hobby. This issue features our annual look at the IRCA Countries List and the latest Technical Column, as well as the domestic DX columns and Broadcasting Information. We should have a schedule for Volume 49 in the next issue. It has been a learning experience for me to put together this volume of DX Monitor, and I have more learning ahead as Volume 49 begins. I'd like to thank all of the editors who have taken of their time to prepare the columns over the past year, and to those who have reported to, and also read, the columns. Thanks to all of you...the members who make the IRCA the club it is.

NRC/DXAS/WTFDA Convention, Omaha, NE

IT'S OMAHA NEBRASKA! Once again the "BIG-O-TEAM" rises again to host a Convention! They will host the National Radio Club/WTFDA Convention! The convention will be held at the Comfort Inn and Suites at 7007 Grover Street, Omaha Nebraska 68106. The Inn is located north east of I-80 at the 72nd Street exit number 449.

We have Ballroom "C", a hospitality room on the 3rd floor, an airport and bus shuttle, deluxe continental breakfast, guest laundry, 24 hour fitness room and business center and a large indoor pool.

Make your reservations directly with the hotel at Area Code 402 934-4900; this is the ONLY number to receive our convention rate! You MUST mention the NRC/WTFDA Convention Rate of \$75 plus tax = \$88.62 per night which is for 1 to 4 persons per room. The Convention registration fee is only US\$45 per person; children (age 11 and under) US\$13. Please make checks payable to: National Radio Club and mail them to Ernest J. Wesolowski, 13312 Westwood Lane, Omaha, NE 68144-3543 by October 1st. You may also register on line, using Pay Pal Only, at the National Radio Club website <http://www.nrcdxas.org>.

Activities will begin at 3PM on Thursday October 13 and will included tours which will be announced, as well as the ever popular Auction. Please send auction items to Ernie. The Saturday night banquet is included in your registration fee and will feature a popular DX Audio Service editor as the guest speaker. Spouses and children are welcome and pets are allowed at the hotel, please inquire with the hotel for restrictions and any additional charges.

Come to OMAHA and see where the College Baseball World Series is held, the home of Warren Buffett, the TV/FM Antenna Farm and Capstar's KFAB-1110. If you have any questions you may contact Ernie at his postal address above or via email at neerniew@yahoo.com

18th Annual Madison-Milwaukee DX Get-Together

The 18th annual Madison-Milwaukee Get-Together will take place on Saturday, August 20, 2011, beginning at 1 p.m. This year's event is in the Milwaukee area, hosted by Tim Noonan and his family in south suburban Oak Creek. It is an all-band event, and anyone interested in the radio hobby is welcome. For more information, contact Tim at DXing2@aol.com or (414) 762-2702.



BROADCASTING INFORMATION

Lee J Freshwater – 414 SE 3rd St – Ocala FL 34471

Email: EDXR-at-AMLOGBOOK-dot-COM

CALL LETTER CHANGES

FREQ	OLD CALL	CITY	NEW CALL
960	WVVB	Birmingham, AL	WERC
1010	NEW	Honokaa, HI	KXFX
1260	KTIA	Boone, IA	KDLF
1330	KXLJ	Juneau, AK	KXXJ
1350	WYSK	Fredericksburg, VA	WNTX
1470	WPGG	Evergreen, AL	WEVG
	KEPL	Estes Park, CO	KRBR
1490	KBIS	Forks, WA	KRKZ
1600	NEW	Casper, WY	KLNQ

FORMAT CHANGES

FREQ	CALL	CITY	OLD INFO	NEW INFO
540	WXYG	Sauk Rapids, MN	New	Classic Rock
610	WXVA	Winchester, VA	Silent	Oldies
730	KBSU	Boise, ID	News/Jazz	Stunting
860	KTRB	San Francisco, CA	Silent	Spanish Sports ESPN Deportes
900	WCER	Canton, OH	Talk	Black Gospel
960	WVVB	Birmingham, AL	Modern Rock	Talk // WERC FM 105.5
	WPLY	Mt. Pocono, PA	Talk	Reported Silent
970	WMPW	Danville, VA	Silent	Rhythmic AC // FM 103.7
1080	KUDO	Anchorage, AK	Silent	Reported Silent
1090	WCAR	Livonia, MI	Religion	Ethnic
1190	KMFX	Wabasha, MN	Silent	Classic Country
	WVUS	Grafton, WV	Religion	Reported Silent
1260	WTJH	East Point, GA	Silent	Sports
	KTIA	Boone, IA	Religion	Spanish
1330	KJLL	South Tucson, AZ	Talk	Reported Silent
	KXJL	Juneau, AK	Sports	Classic Hits
1340	WMON	Montgomery, WV	Silent	Rock // 105.1
1350	WYSK	Fredericksburg, VA	Sports	Talk
1390	WROP	Belton, SC	Silent	Sports – Sporting News
1400	WPAY	Portsmouth, OH	Talk	Reported Silent
1420	WKCW	Warrenton, VA	Religion	Oldies
1440	WNYG	Medford, NY	Silent	Spanish Religion
1450	WREL	Lexington, VA	Classic Country	Talk
1470	WEVG	Evergreen, AL	Unknown	Reported Silent
	KEPL	Estes Park, CO	Talk	Oldies
1480	WQTM	Fair Bluff, NC	Silent	Sports – Sporting News
1490	WFXY	Middlesboro, KY	Hot AC	Country
1500	KBRN	Boerne, TX	SS Religion	Spanish News Talk
1530	KQSP	Shakopee, MN	Spanish CHR	R & B Oldies
1550	WSRY	Elkton, MD	ESPN Sports	Contemporary Christian // 89.1

SLOGAN CHANGES

540	WXYG	Sauk Rapids, MN	"AM 540 The Goat"
970	WMPW	Danville, VA	"AMP 103.7"
1330	KXJL	Juneau, AK	"Greatest Hits 1330"
1340	WMON	Montgomery, WV	"Rock 105"
1440	WNYG	Medford, NY	"Radio Cantico Nuevo"
1470	KEPL	Estes Park, CO	"The Bear 1470"
1490	WFXY	Middlesboro, KY	"Kat Country"
1530	WSRY	Elkton, MD	"Reach FM"

F.C.C.ACTIONS

600	NEW	Babbie, AL	Application for new CP dismissed., Requested 460 / 300 DA-2 at 31-19-08 / 86-17-47 Still has application for 250 / 250 DA-2 at 31-18-54 / 86-15-45
670	KDLG	Dillingham, AK	Modify license to 10 K / 10 K NDA at 59-02-43 / 158-27-07
720	KOTZ	Kotzebue, AK	Modify license to 10 K / 10 K NDA at 66-50-22 / 162-34-05
	WVOA	Dewitt, NY	License and call sign deleted
730	KBSU	Boise, ID	Modify license to 15 K / 500 DA-2 at 43-30-56 / 16-19-43
	WLTO	Charleston, SC	Modify license for 5 K / 103 NDA at 32-46-24 / 80-00-56
760	WCPS	Tarboro, NC	License to cover for 1 K DAY NDA at 35-55-44 / 77-34-13
830	NEW	Medford, OR	Application for new CP dismissed
830	WQZQ	Goodlettsville, TN	License to cover 2 K / 10 w NDA day site at 36-16-22 / 86-42-57 Night site at 36-32-12 / 87-22-24

890	NEW	Olivehurst	New CP 350 / 350 DA-2 at 39-03-28 / 121-34-38 (Listed last week as Yuba City)
	NEW	Chico, CA	Application for new station dismissed. Requested 2.5 K / 500 DA-2 at 39-44-54 / 121-46-14
910	WPFB	Middletown, OH	Modify license to 1K / 1 K NDA at 39-30-57 / 84-21-05
920	WGNU	Granite City, IL	Application dismissed for minor change to 2 K / 600 DA-2 at 38-45-58 / 90-03-35
930	WLVF	Haines City, FL	License and call sign deleted
940	WLQH	Chiefland, FL	License to cover for 780 / 15 at 29-30-55 / 82-53-05
950	KJRG	Newton, KS	Minor change to 5 K / 147 NDA from new site at 38-02-39 / 97-22-21
980	KGLN	Glenwood Springs, CO	License to cover 2 K / 225 NDA at 39-33-10 / 107-19-48
1060	WILB	Canton, OH	License to cover 15 k / 15 K DA-2 at 40-50-03 / 81-25-48
1070	WINA	Charlottesville, VA	Minor change to 5 K / 5 K DA-N at 38-05-19 / 78-30-23
1080	WRYT	Edwardsville, IL	Minor change to 500 / 20 380 CH DA-3 at 38-47-58 / 89-54-00
1110	WGNZ	Fairborn, OH	License to cover 5 K / 2 w 1.7k CH DA-3 at 39-39-53 / 86-56-38
1120	NEW WKAJ	Coral Springs, FL Little Falls, NY	New CP 9.5 K / 6.7K CH DA-3 at 26-16-54 / 80-17-39 Minor mod to 10 K / 400 DA-2 at 42-59-59 / 74-41-30 change COL to Sait Johnsville, NY
1150	WSNW	Walhalla, SC	Minor change to 2.5 K / 58 NDA at same site 34-41-15 / 82-59-16 Change COL from Seneca
1160	WYLL	Chicago, IL	License to cover Auxiliary site 15 K DAY DA 41-34-23 / 87-59-37
1200	WJES	Saluda, SC	License and call sign deleted
1230	NEW	Terre Haute, IN	New CP 1 k / 1 k NDA at 39-29-21 / 87-25-10
1260	KBSZ WSHU	Apache Junction, AZ Westport, CT	License to cover 35 K / 50 w NDA at 33-22-56 / 111-32-09 Application for minor change dismissed. Requested COL change to Stratford, CT with 1 K / 18 NDA at 41-11-13 / 73-06-05
	KTUE	Tulia, TX	License and call sign deleted
1320	KCTC	West Sacramento, CA	License to cover for 5 K / 5 K DA-2 at 38-38-11 / 121-33-09
	WLOH	Lancaster, OH	License to cover for 500 / 16 NDA at 39-42-13 / 82-33-13
1340	WFSH	Valparaiso, FL	License and call sign deleted
	KCRN	San Angelo, TX	Modify license to 1 K / 1 K at 31-28-43 / 100-27-50
1350	WIOU	Kokomo, IN	License to cover 5 K / 1 K DA-2 at 40-25-01 / 86-06-49
1360	WMOB	Mobile, AL	Minor change to 9 K / 200 DA-2 at 30-40-54 / 88-00-02
1370	WFEA	Manchester, NH	Modify license for 5 K / 5 K at 42-54-26 / 71-27-45
1400	WOBG	Clarksburg, WV	License and call sign deleted
1420	WIGG	Wiggins, MS	License and call sign deleted
	KJDL	Lubbock, TX	License to cover for 500 / 140 NDA at 33-36-49 / 101-52-30
1440	WPRS	Paris, IL	Modify license for 1 K / 250 NDA at 39-36-20 / 87-43-32
1450	KOBO	Yuba City, CA	License to cover for 160/500 NDA at 39-06-22 / 121-39-19
1480	WYZE	Atlanta, GA	License to cover 10 K / 44 NDA at 33-43-25 / 84-22-08
1490	WCHM	Clarkesville, GA	Minor change to lower power from 1 K to 878 NDA at 34-36-27 / 83-32-15
	WPNT	South Bend, IN	License and Call sign deleted
1510	KMSD	Milbank, SD	Modify license to 5 K / 14w 1 K CH at 45-11-40 / 96-38-21
1560	WJTI	West Allis, WI	License to cover for 1 K / 240 DA-2 at 43-00-32 / 88-02-06
1570	KBCV	Hollister, MO	License to cover for 5 K / 3 K DA-2 at 36-36-52 / 93-12-49
1580	WVZN	Columbia, PA	Modify license to 500 / 5 w NDA at 40-00-53 / 76-28-13
1590	WGBW	Denmark, WI	Modify CP to delete night time site and use daytime site for 500 watts night
1600	WMHZ	Dover, DE	Application for minor change dismiss. Requested 3.9 K / 110 DA-2 at 39-10-14 / 75-33-16
1640	WTNI	Biloxi, MS	License to cover 10 K / 1 K NDA at 30-28-27 / 88-51-23

INDIVIDUAL MEMBER AND CONTRIBUTOR LISTINGS:

From: RADIO INFO DOT COM Washington DC WKCW becomes "Oldies 1420 The far-western side of the Washington, DC market can sing along with Oldies 1420, as Bruce Houston's Metro Radio drops the Christian teaching format on WKCW, Warrenton. The owner says "many people in the market have told us they really miss the format and would love to hear oldies in Washington again." Metro Radio is producing it in-house. Metro operates three other AMs in the D.C. area, fall from the Virginia side - talk WTNT, Alexandria (730), news/talk WKDL, Warrenton (1250) and regional Mexican "La Ley" WKDV, Manassas (1460).

From: BALTIMORE SUN DOT COM Radio station WVIE (1370 AM) drops local sports talk Moving to news/talk format weekdays starting July 4 June 30, 2011Three local sports talk show hosts -- Stan "The Fan" Charles, Jerry Coleman and Rob Long -- will be without a home at radio station WVIE (1370 AM) as of Friday morning when the station starts moving to a mainly network news/talk format. The official move by V-1370 to news/talk won't come until July 4th when it goes to 12-hours-a-day Monday-through-Friday programming from America's Radio News, a news service based out of Alexandria, Va., that is carried on more than 100 stations nationally. The station will have local news, weather, traffic and sports provided by its Maryland

News Center. The format is expected to be branded as "all news all day," in synergy with sister station, WCBM (680 AM), a conservative talk outlet.

From: RADIO INFO DOT COM Reagan admitted to National Radio Hall of Fame; no public voting, this year Bruce DuMont of the Chicago-based National Radio Hall of Fame explains that "Many of the stars and shows that defined the medium in its infancy have been unfortunately overlooked in public balloting." So this year the Hall suspends its usual voting process, and will induct these industry greats to the Hall in a ceremony at the Museum of Broadcast Communications' new home, November 5: - Ronald Reagan, 40th President of the U.S., "who began his storied career in broadcasting as an Iowa radio broadcaster, where he once announced Chicago Cubs games for WOC, Davenport, Iowa and WHO, Des Moines." As **Robert Feder observes in Time Out Chicago**, "the only other President in the Radio Hall of Fame is Franklin D. Roosevelt", for his Depression and World War II "Fireside chats." - Graham McNamee, "a sportscasting legend who gained national prominence and was radio's most recognized national personality in its inaugural decade." - H.V. Kaltenborn, "Radio's first national commentator and one of the first newsmen to provide analysis and insight into current news stories." - WLS National Barn Dance, "the first acclaimed country music show in radio history, and a direct precursor of the Grand Ole Opry." - "The Great Gildersleeve", "one of radio's earliest spin-off programs, built around the remarkable Throckmorton Philharmonic Gildersleeve, a bombastic character with a remarkable ensemble cast", spun off from "Fibber McGee and Molly" - itself a 1989 inductee. - "Gangbusters", "the iconic radio crime drama that dramatized FBI cases and was produced in close association with J. Edgar Hoover." - "Suspense", "one of the most compelling radio dramas of all time, from the Golden Age of Radio, subtitled 'Radio's outstanding theater of thrills.'" Premiere Radio Networks will produce and distribute the Saturday evening, November 5 national broadcast of the Hall of Fame induction ceremonies. The role of announcer will once again be filled by Westwood One's Jim Bohannon. Arbitron is the lead sponsor of the 2011 National Radio Hall of Fame, with promotional support provided by American Airlines. For most people at the gala, it will be their first time inside the new building of the Museum of Broadcast Communications, at 360 North State Street in Chicago.

From: RADIO INFO DOT COM Trustee sells two AM stations in Santa Rosa, CA Scott Savage is the trustee for Moon Broadcasting Licensee, and the stations that Abel De Luna originally bought for Moon Broadcasting. The stations are regional Mexican "La Maquina Musical" KRRS, Santa Rosa, with 1,000 watts daytime/33 watts at night, at 1460. And regional Mexican KTOB, Petaluma, a one-kilowatt at 1490. KTOB appeared in George Lucas' "American Graffiti" movie, in exterior shots of the building and the tower. Moon Broadcasting Licensee still owns ten other stations, after selling KRRS and KTOB to Santa Rosa-based California Broadcasting Company LLC, led by Ambrosio Vigil. This price is \$300,000 cash, and Media Services Group worked for the seller. FCC documents indicate that Abel De Luna will continue to make his Petaluma translator at 107.5 (K298AZ) available to the buyer of his former stations.

From: GLOBE GAZETTE DOT COM Iowa Public Radio is expanding its news, Studio One and classical formats in several Iowa communities. The biggest change locally is KRNI 1010 AM in Mason City/Clear Lake, which will broadcast 24-hour news programming. The changes, which take effect June 27, reflect a response to audience requests and listening patterns, according to a news release. In addition to popular programs like "Morning Edition," "Talk of Iowa" and "All Things Considered," listeners of KRNI 1010 AM will be able to hear shows like "The Best of IPR Talk," "Fresh Air Weekend" and "The Vinyl Café." KUNY 91.5 FM in Mason City/Clear Lake will continue to broadcast programming featuring news and an eclectic mix of folk, blues and independent rock. KHKE 90.7 FM in Mason City/Clear Lake will continue to broadcast 24-hour classical programming.

From: RADIO INFO DOT COM Mexico's government approves the use of HD Radio Mexico's spectrum regulating agency has selected HD Radio Technology as a digital radio standard for the AM and FM bands in Mexico. The decision will make the In Band On Channel (IBOC) system official on June 16. Mexico President Felipe Calderon says "I want to invite you to invest in your radio stations, and to take advantage of these new conditions that have just been created, to bring to our country the very latest technology that will allow you to offer much better radio to all Mexicans." The decision by Mexico's COFETEL to accept HD Radio Technology as a digital standard for Mexico allows for the voluntary use of the iBiquity technology in both hybrid mode (broadcasting the main signal in analog and on the HD-1 channel) and multicasting technology (using HD-2, HD-3, etc.).

FROM: RADIO INFO DOT COM New station for "curious music enthusiasts" to debut on Denver's 1340 this Fall Colorado Public Radio hires Mike Flanagan from Boulder's modern rock non-com KVUCU (1190) to build another music-based AM station. CPR-owned KCFR-AM (1340) will pull away from sister news/talk KCFR-FM (90.1) and originate its own broad-based music format. Here is the description from GM Flanagan: "This new station will be for radio, computer and mobile listeners who want to understand the inspiration and background of genres and performers, the people and places that influence their sound and where to hear them live and local. Colorado plays a big part in this. You'll hear a lot of current local artists as well as those who came before." Flanagan will be hiring a staff when he joins Colorado Public Radio in mid-July. Colorado Public Radio's regional news/talk network, based at KCFR-FM, will continue, as will its classical network based at KVOD (88.1). Max Wycisk is the longtime president of Colorado Public Radio.

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daytime/33 watts at night, at 1460. And regional Mexican KTOB, Petaluma, a one-kilowatt at 1490. KTOB appeared in George Lucas' "American Graffiti" movie, in exterior shots of the building and the tower. Moon Broadcasting Licensee still owns ten other stations, after selling KRRS and KTOB to Santa Rosa-based California Broadcasting Company LLC, led by Ambrosio Vigil. This price is \$300,000 cash, and Media Services Group worked for the seller. FCC documents indicate that Abel De Luna will continue to make his Petaluma translator at 107.5 (K298AZ) available to the buyer of his former stations.

FROM: BUFFALO NEWS DOT COM Two more on-air hosts lose jobs as WECK shifts from talk format
 The purge at WECK-AM 1230 continued Tuesday as two more on-air personalities lost their jobs in a format switch that spells the end for talk radio on the locally owned, independent station, according to former employees. "[Station owner Dick Greene] offered me a chance to stay in a different position," said Nick Mendola, whose talk show aired from noon to 3 p.m. daily. "They didn't want me to do talk anymore. They wanted me to stay on in sales." Program director Brad Riter, host of a sports talk show from 3 to 6 p.m. daily, was told Tuesday his position was terminated because of the format change. Riter, 36, had been a vocal crusader for WECK's talk radio format, predicting an intensifying effort to compete against WBEN-AM 930. "They're changing their format," said Riter, whose show has been replaced by a Fox Sports network program. "They're starting to play music. Talk radio was not cost-effective. It was not working financially." The new music format, according to unnamed sources familiar with the station, will consist of a hybrid of genres and include artists as varied as Frank Sinatra and Coldplay. Sources also said the station Greene purchased three years ago now would be called "The Breeze." Greene has been in the broadcast business for 40 years and has owned Lockport's WLVL-AM for 30 years. He declined to comment Tuesday. In addition, two more WECK staffers -- a sales executive and a part-time producer -- were let go this week, according to Riter. The departures of the station's local on-air talent began in May, when Bill O'Loughlin resigned from his 9 a.m.-to-noon show. "Good Morning Buffalo" host Loraine O'Donnell was fired shortly afterward. Mendola, 29, had worked at WECK for 15 months. His many duties included on-air play-by-play for University at Buffalo women's basketball and sideline reporter for UB football. In mid-April, Mendola started his talk show and has worked extensively with the station's online product. From 2005 to 2010, he had worked at WGR-AM 550 as producer on "The Howard Simon Show." "I couldn't see myself going in the [sales] direction," Mendola said. "I'm not going out and sell commercials for Frank Sinatra and Coldplay." Morning personality co-host Tom Donahue has retained his job. As a member of the communications department at Buffalo State College, Donahue has experience with the music format. What will become of the station's regular programming -- including "Let's Talk Native" with John Kane and "Buffalo Uncensored" with Dave DiPietro -- remained unknown. Former WECK program director Tom Schuh was hired as a consultant, sources confirmed. Riter has twice lost a radio job in slightly less than four years. "It doesn't feel good to lose your job, but I'm not worried," Riter said. "The last time this happened to me [in September 2007, when he was fired from WGR-AM 550], I wound up with a better job and a wife."

FROM: RADIO INFO DOT COM The FCC drops a \$25,000 fine on a North Carolina Gospel station
 Wilson, North Carolina's WGTM (590) was slapped with a fine totaling \$25,000, covering three major operational problems. The violations include the failure to maintain and make available for inspection the public file (\$10,000), failure to have a working Emergency Alert System (\$8,000), and failing to properly enclose the tower site (\$7,000). The owner of WGTM-AM, Spirit Broadcasting, claims they were in the process of moving the radio station at the time of the violations in 2010.

FROM: SUNHEARLD DOT COM McKay Productions LLC, Acquires Landmark Radio Station, KRML,
 Carmel, CA Clint Eastwood offers congratulations to Scot McKay CARMEL, Calif. -- Carmel radio station KRML, one of the world's most recognizable stations has been sold to Scot McKay, a local Carmel businessman and music enthusiast. KRML was put on the world map by Carmel Actor, Director & Movie Producer Clint Eastwood who, in his directorial debut, played a DJ at KRML in the movie "Play Misty for Me". "I am very excited Scot McKay has bought KRML and will keep it going. Carmel deserves to have this wonderful station that will continue to feature great music," said Eastwood. McKay became interested in KRML in the spring of 2010 after a series of conversations with Eastwood. McKay and Eastwood previously co-hosted a fundraiser for JazzMaster's Workshop, a non-profit organization that provides free music lessons to children. McKay intends to restore KRML to the local broadcasting jewel it once was with multiple studios locally. "I invite the local arts and business community to join me in this exciting undertaking as I focus on getting KRML back on its feet playing great music, while supporting Carmel & Monterey Peninsula tourism & events," said McKay when asked about his future plans with KRML. McKay credits Charles Chrietzberg, CEO of Monterey County Bank, with helping keep KRML local and out of the hands of a national Country Music syndicate. Scot McKay is involved in a variety of International and National business ventures, but may be best known locally as the owner of CVAC, Carmel Valley Athletic Club. McKay is also involved philanthropically supporting local charities and as a Trustee of the Big Sur Land Trust.

FROM: BOISE WEEKLY DOT COM Say Goodbye to Boise State Radio on the AM Dial Boise is about to get yet another talk-radio station on the AM dial. Citydesk has learned that **Boise State Public Radio** is about to finish a deal selling KBSU 730 AM to the **Impact Radio Group**, owners of BOB 96.1 FM, V 99.1 FM, WILD 101.1 FM and LA PODEROSA 100.7 FM. Sources told Citydesk that the format will be "similar to other stations on the AM dial," but will be the only privately and locally owned station in the market. KBSU 730 AM has been broadcasting jazz and news programming with 15,000 watts daytime and 500 watts at night. Boise State Public Radio has been trying to sell the station for a few years and got the final OK from

the State Board of Education to complete the sale earlier this year. The programming change is expected by the end of July.

Dale Park, Honolulu HI (DP-HI)

07/22/11 1455 73's fresh

WESTERN DX ROUNDUP

Nancy Johnson – 265 Waterton Way – Billings MT 59102-7755

E-mail: NancyJohnson@prodigy.net

NEXT WDXR DEADLINE: Friday August 19. Please use Eastern Time.

REPORTERS FOR THIS ISSUE:

- (RB) **Rick Barton**-P.O.B. 1804-El Mirage, AZ desertmoon_dxshack@inbox.com
 Hammarlund HQ-180A, HQ-200, Drake R-8, Radio Shack DX-375 (barefoot), outdoor inverted-L, outdoor slinky, Palomar MW loop
 - (AB) **Art Blair**-730 SW 3rd St.-Fruitland, ID 83619 artblair1937@gmail.com
 NRD-515, Kiwa loop
 - (BB) **Bill Block**-7716 E. Thelma Drive-Prescott Valley, AZ 86314 billwblock@msn.com
 Drake R8
 - (LG) **Larry Godwin**-2390 Clydes Dale Lane-Missoula, MT 59804 lbgtmtwi.net
 Hammarlund HQ-180, Sanserino air-core box loop
 - (GH) **Glen Hansen**-64985 Olson Rd.-Deer Island, OR 97054 gbhansen2@q.com
 Drake R8B, R-390A, TMC GPR-90, Hammarlund SP-600, 800' wire S/W, 300' E/W, Kiwa loop
 - (PM) **Patrick Martin**-P.O. Box 843-Seaside, OR 97138-0843 mwdxer@webtv.net
 Drake R8, NE EWE, 40' vertical, Quantum Phaser
 - (bp) **Bruce Portzer**-Seattle, WA bpportzer@comcast.net
 Winradio Excalibur and the K9AY antenna
-
- 610 KOJM MT, Havre 6/15 0100 KOJM ID and ABC news, fair mixing with nulled KONA. (AB-ID)
 - 620 KWAL ID, Wallace 7/3 0018 "Silver Dollar Radio" slogan and Home Depot ad, KWAL ID at 0021. (AB-ID)
 - 700 KGRV QR, Winston 7/2 0058 "Family Life" program, "The Praise Station" at 0059. Fair with QRM from KALL or KXLX. (AB-ID)
 - 810 WHB MO, Kansas City 7/21 0700 sports talk suddenly overpowering KGO (San Francisco) that I had been listening to. Two ID's "Sports Radio 810 WHB" during long introduction to local program "The Border Patrol." Hung in there until 0715 when unID country music station took over until BOH. Would sure like to ID the country station. (RB-AZ)
 - 880 KJJR MT, Whitefish 6/17 22317 ad block including Target & Advance Auto Parts, KJJR ID at 2319. (AB-ID)
 - 980 KSPZ ID, Ammon 6/26 2254 Meximelodies, "KSPZ La Super Caliente" at 2301. Fair with KSVC QRM. (AB-ID)
 - KMIN NM, Grants 7/14 0829 regional weather roundup, to ID by M "AM 980 Grants," jingle at BOH "K-MINE Country." 2nd time ID'd, first time had time to report properly, was dominant on frequency with directional loop, mixing with unID when I switched to the "slinky." (RB-AZ)
 - KDSJ SD, Deadwood 7/4 0711 news, KDSJ ID at 0716. (AB-ID)
 - 1030 KMAS WA, Shelton 6/7 0005 faint ID into 70's type oldies. Really choppy and lost by 0008. Weak on TMC with SW wire. (GH-OR)
 - 1140 KYDZ NV, N. Las Vegas 7/18 0950 local quality signal, after local sunrise here, faded out, gone, back with fair signal after 1030, usually hearing Palm Springs by now. (RB-AZ)
 - 1150 KKNW WA, Seattle 6/7 0105 news & ID. Surprisingly weak but totally alone on TMC with SW wire. (GH-OR)
 - 1230 KRXX ID, Rexburg 6/19 0816 ESPN program notes, KSEI ID & KRXX ID's at 0817. (AB-ID)
 - KOZI WA, Chelan 6/23 0000 dominating the jumble with 70's type oldies and ID at TOH, on TMC with Kiwa loop. (GH-OR)
 - 1240 KXLE WA, Ellensburg 6/16 0800 KXLE ID. (AB-ID)
 - 1350 KTDD CA, San Bernardino /17 1238 "All on AM 1350 – The Toad," a few announcements, mostly non-stop country. Very strong & dominant tonight. (RB-AZ)
 - 1400 KRSC WA, Othello tentatively the one with multiple-station ID by woman at 0800 on 6/21 & 7/18. The first call she mentioned seemed to be KRSC, then what sounded like KZAM-1260, and finally, KRTA-1420 in a city that ended with "City." No Spanish

heard before or after ID, so if it was KRSC, apparently it's a format change. Is the new station in Crescent City on 1420 on the air yet? (LG-MT)

1420 KITI WA, Centralia-Chehalis 6/20 0036 strange, no ID at both BOH then gave automated ID at 0036. Fair to poor fighting with unID on Hammarlund with SW wire. (GH-OR) +6/25 2320 woman with KITI ID, some talk, then gone at 2322. Poor with KUJ QRM. (AB-ID)

1460 KUTI WA, Yakima 6/26 0040 many ID's and C&W oldies. Fair to good and totally alone on R-390A with Kiwa loop. (GH-OR)

1520 ?KXKA? WA, Snohomish 7/17 unID station under KGDD with pop music, no voice announcements heard. Report from Dan Sys in BC that KXKA has been testing, strong SAH alerted me to phase down KGDD as well as I could at 1245PDT, but way too much KGDD to copy much. Could not detect if KXKA is using IBOC or not. If I can get it here it must be loud in the Puget Sound area. Thanks Dan for the tip. (PM-OR) +7/21 1400 still testing with no ID's that I have heard with Heavy Metal type rock and Hair Band 80s rock. Finally got a decent phase on KGDD midday, leaving KXKA mostly way on top, at S9+ to S9+5. Seems that the KXKA modulation is a lot better than it was a few days ago. The 20kw ND days seems to get out fairly well. I am surprised I can get it as well as I can with 50kw KGDD beaming at me. Probably looking at a s/on maybe 8/1? (PM-OR)

1540 KXPA WA, Bellevue 6/26 0000 fair to poor with Spanish format and ID in English, on R-390A with Kiwa loop. All Washington DX lately. (GH-OR)

1600 KAHZ CA, Pomona 7/18 0945 female announcer, long monologue in Chinese dialect. (RB-AZ)

1610 KOC734 AZ, Petrified Forest Nat'l Park 7/7 2342 with "KOC-734 1610 AM" and use exit #311, very poor and lots of t-storm noise. (BB-AZ)

TIS WA, Bremerton 7/10 1600 TIS station ID'ing as "Naval Base Kitsap Information Advisory Radio" with info on road work etc taking place on the base. Fair signal. Did a google search and found this TIS has a Facebook page. (bp-WA)

UNIDS

1540 UNID 6/13 0042 Spanish vocal music with no discernable ID at 0030. Weak and choppy for the most part, but up strong from time to time. (GH-OR)

The summer seems to be flying by, and the new DX season will be here before we know it! Nancy 7/22 2100

Thank you to all of our WDXR reporters to Volume #48 (number of tips/number of issues reported):

1.	Art Blair	307/18
2.	Bill Block	103/19
3.	Glen Hansen	93/14
4.	Garry Stoklas	77/15
5.	Nigel Pimblett	64/4
6.	Patrick Martin	19/4
7.	Dale Park	17/6
8.	Mike Sanburn	15/11
9.	Rick Barton	14/3
10.	Larry Godwin	13/7
11.	Bill Nittler	7/4
12.	Mike Riordan	5/1
13.	Frank Aden	3/1
14.	Martin Foltz	2/1
15.	Wayne Heinen	1/1
	Bruce Portzer	1/1
	Robert Wien	1/1

CENTRAL DX ROUNDUP

John C Johnson – 265 Waterton Way – Billings MT 59102-7755

E-mail: John_Johnson@prodigy.net CDXR reports ONLY: cdxr@ircaonline.org

RIDING GAIN

[EB-MO] Eric Bueneman, Hazelwood, MO NOUIHEric@aol.com
GE Superadio III, Yaesu FRG-7, Worcester Space Magnet II.

[TMJ-IL] Tom Jasinski, Shorewood, IL amdixer@core.com
Drake R8A and Quantum Loop

[TK-MO] Tim Kridel, Columbia, MO tim@timkridel.com
Icom R70, 110' Beverage running EW.

[MS-CO] Mike Sanburn, Bellflower, CA mikesanburn@hotmail.com
DXing at the Colorado Springs convention with a Sony SRF42 or Ford car radio

DOWN THE DIAL

740 KVOR CO, Colorado Springs. 6-22 with ID. Noted stereo light lit on the SRF42. [MS-CO]

790 KXXX KS, Colby. 6-23 good daytime signal. 12:00 with "Depended on by generations of farmers and ranchers, KXXX Colby." News and local spot. [MS-CO]

860 WTZX TN, Sparta. 7-18 fair in CJBC null. 00:03 with Classic Country format, "Country Gold 86" slogan. This is TN#80 from my location. [EB-MO]

1020 KMMQ NE, Plattsmouth. 6-29 fair to poor over KDKA with minor ACI from KXEN-1010. 21:42 with "Que Parde" slogan and Omaha spots in Spanish. This is NE#20. [EB-MO]

1060 CKMX AB, Calgary. 6-22 good during KYW fade out. 04:55 to 06:00 with country music, frequent "Southern Alberta Classic Country 10-60" slogans, local spots, complete ID "Classic Country AM 10-60 is CKMX Calgary. Also at CFVP 6030KHz on shortwave. Part of the Astro Family." Suspect they are using day pattern at night as this is the first time heard. [TMJ-IL]

1220 KLPW MO, Union. 7-21 fair to poor over mess. 21:29 noted with River City Rascals vs. Washington (PA) Wild Things baseball BBP. [EB-MO]

1280 WGBF IN, Evansville. 7-2 in mess. 23:30 with Dennis Miller Show. WDEM deal of the day promo, and "News talk 12-80" slogan. [TK-MO]

1290 KUOA AR, Siloam Springs. 7-2 in mess. 22:22 with Kansas City Royals game, spots, "KUOA Siloam Springs" legal ID at 23:00. [TK-MO]

1300 KBRL NE, McCook. 7-2 in mess with KGLO and unID SS. 21:26 with Kansas City Royals baseball game. "The Big Talker, 13-hundred KBRL" and "13-hundred KBRL McCook" ID's. [TK-MO]

WLXG KY, Lexington. TENTATIVE. 7-2 in mess. 22:06 with spot for an event in a ballpark in Lexington. Kentucky DOT PSA. Presumed WLXG. No ID heard. [TK-MO]

1310 KZRG MO, Joplin. 7-2 in mess. 07:45 with "AM 13-10 KRZG" ID. [TK-MO]

WDXI TN, Jackson. TENTATIVE. 7-2 in mess. 07:45 with "Home and Garden Radio" program. WDXI's website says they are Business Talk Radio Network which does syndicate this show, so presumed WDXI. No ID heard. [TK-MO]

1320 KXYZ TX, Houston. 7-21 fair to poor through KSIV. 21:50 noted with talk and pop music in Vietnamese. [EB-MO]

1330 KWLO IA, Waterloo. 7-2 in mess. 07:02 with "Your hometown...K W...Waterloo." Had suddenly come up strong and became dominant, probably switched to their daytime power pattern. [TK-MO]

WRAM IL, Monmouth. TENTATIVE. 7-2 in mess. 06:44 with classic country music. Possible WRAM ID. [TK-MO]

WVHI IN, Evansville. 7-2 in mess. 07:15 with "Kids Corner" program. 07:30 with "Family News in Focus" with "13-30 WVHI the Voice of Heavenly Inspiration" ID into "In Touch" with Charles Stanley. [TK-MO]

1340 WLOK TN, Memphis. 7-16 good to fair, dominant at times. 01:40 with Urban Gospel music. ID. [EB-MO]

1350 KRNT IA, Des Moines. TENTATIVE. 7-1 in mess. 23:47 with oldies music and local Des Moines business spot. No ID heard. [TK-MO]

WNVA VA, Norton. TENTATIVE. 7-2 in mess with KRNT. 00:00 with "Sunrise to sunset, WNVA (sounded like WADA). We're your choice for country music" into country song. Are they really only 37 Watts at night? [TK-MO]

1360 WMOB AL, Mobile. 7-1 in mess, but sometimes strong. 23:20 with Word of Life Church in Pritchard, AL program. "This is WMOB Mobile, 13-60 on your AM dial" at 23:30 into religious music. [TK-MO]

1380 KMUS OK, Sperry. 6-29 fair to poor in KSLG null. 22:33 noted with Mexican pop music, "La Raza" slogan, Tulsa spots. [EB-MO]

1480 WJBM IL, Jerseyville. 6-29 good over WBBP. 21:08 with country music, Pittsfield spots, ID for sister station WBBA-FM 97.5. [EB-MO]

1490 KDMO MO, Carthage. 7-20 fair to poor over mess, WQXX nulled. 00:39 with Swap Shop promo, "14-90 KDMO" ID into Adult Standards format. [EB-MO]

KNEL TX, Brady. 7-16 poor, poking through mess. 02:42 with ID. [EB-MO]

1610 "KRCA" CO, Colorado Springs. 6-23 to 6-26. "Talking House" transmitter used to promote the IRCA Colorado Springs Convention. Heard by everyone attending. Verifications were easy to obtain.

1620 KOZN NE, Bellevue. 7-1 in mess. 22:18 with "16-20 The Zone" slogan, local spots. Possible mention of Omaha and then back into sports talk program. [TK-MO]

1640 KFXV OK, Enid. TENTATIVE. 7-1 occasionally strong and solid. 21:58 with possible ESPN promos including "Mike and Mike Show." Possible "Sports Radio" slogan at 22:00 into a Kansas City Royals game. Tentative, but KFXV is a Royals affiliate. [TK-MO]

1650 KCNZ IA, Cedar Falls. 7-1 over/under unID in SS. 21:48 with promo for Dan Patrick Show "...on 16-50 The Fam KCNZ" into unID sports talk show. [TK-MO]

unID

1420 unID 7-1 unID in mess (including local KFRU slop). 22:34 with "Greatest Hits" slogan into 70s oldies. Might be WVJS. [TK-MO]

25 YEARS AGO

August 9, 1986 issue of IRCA's "DX Monitor" ... Art Peterson of Richmond, CA located towers for KFBK 1530, KNCO 830, KHWY 1030 and KFIA 710 ... Jim Hilliker of Carmel Valley, CA told about a get together with Rich Toebe and Rich Segalas in June ... Charles A. Taylor of Greenville, NC explained is move from Whidbey Island and travels across the country.

OPEN MIKE

Nancy and I had a nice time at the IRCA Colorado Springs Convention in June. Have you checked out the new IRCA Facebook fan page? Be sure to "like" it when you do. This concludes Volume 48. Reporter totals indicate a very good DX season. This column was typed 7-9-11 & 7-23-11. 73, John

CDXR REPORTER TOTALS FOR VOLUME 48

- 1. [EB-MO] 204/20 Eric Bueneman, Hazelwood, MO
2. [POB-IN] 122/14 Patrick O'Brien, Perkin, IN
3. [RW-CO] 36/7 Robert Wien, Colorado Springs, CO
4. [TK-MO] 28/3 Tim Kridel, Columbia, MO
5. [TMJ-IL] 24/9 Tom Jasinski, Shorewood, IL
6. [NJ-MT] 19/10 Nancy Johnson, Billings, MT
7. [BP-WA] 17/2 Bruce Portzer, Seattle, WA
8. [SP-WI] 14/6 Sheryl Paszkiewicz, Manitowoc, WI
9. [TN-WI] 13/6 Tim Noonan, Oak Creek, WI
10.[KDF-IL] 5/2 Karl D. Forth, Chicago, IL
11.[MS-CO] 2/1 Mike Sanburn, Bellflower, CA
12.[JT-MO] 1/1 John Tudenham, Joplin, MO

EASTERN DX ROUNDUP

Lee J Freshwater - 414 SE 3rd St - Ocala FL 34471
E-mail: EDXR-at-AMLOGBOOK-dot-COM

Deadlines: Saturdays 8 AM!!

STARS OF THE WEEK

- (KK-VA) Kraig Krist Manassas, VA. NRD-545 rx w/134' multiband antenna NW to SE.
(JJR-MI) John J Reiger L'Anse, MI CC Radio 2 Stock

LOGGINGS

- 540 MD WGOP Pocomoke City 6/2 0355-0505 Mixing w/ WGTH, WYNN & WETC. WGOP with oldies "WGOP". (KK-VA)
960 CT WELI New Haven 7/21 2355-0105 Mixing w/ WFIR, WKCI & R. Reloj. Break in WFIR audio. Nice surprise with "Local sports and information... WELI... WELI dot com. Celebrating 75 years... this is 9-60 WELI. Also broadcasting on WKCI FM...". "News talk 9-60 WELI". (KK-VA)
VA WFIR Roanoke 7/21 2355-0105 Mixing w/ WELI, WKCI & R. Reloj. "We report, you decide... morning on news talk 9-60 WFIR. Local news. Depend on it." "Coast to Coast AM". (KK-VA)
VA WKCI Waynesboro 7/21 2355-0105 Mixing w/ WFIR, WELI & R. Reloj. "WKCY radio..." WKCY is 1300 kHz which is // WKCI 960. (KK-VA)
970 PA WBGW Pittsburgh 7/20 2355-0105 Mixing w/ talk & singing. WBGW w/ typical Fox Sports programming. "We're Fox Sports... WBGW... WBGW HD Pittsburgh". "Sports Center. Go. Now!". (KK-VA)
1050 NY WEPN New York City 7/16 2355-0105 Mixing w/ WLON & Spanish. WEPN with typical ESPN radio programming. "... ESPN New York...". (KK-VA)
NC WLON Lincolnton 7/16 2355-0105 Mixing w/ WEPN & Spanish. WLON w/ oldies. "Wake up with... hometown radio WLON...". (KK-VA)
1070 IN WFNI Indianapolis 7/15 2355-0105 Mixing w/ WNCT & other talk. WFNI with typical ESPN radio programming. One of the easier to ID. Local ads. "10-70 'The Fan'" into "ESPN Radio Sports Center". (KK-VA)

- NC WNCT Greenville 7/15 2355-0105 Mixing w/ WFNI & other talk. WNCT w/ oldies. "10-70 WNCT...". (KK-VA)
1160 IL WYLL Chicago 7/14 2355-0105 Mixing w/ oldies & Fox Sports. "... online at WYLL dot com". "Late night talk radio offering God's truth". (KK-VA)
1320 ON CJMR Mississauga 7/4 2223 Poor FF,local ph # in ad u/WILS. (JJR-MI)
1340 MI WAGN Menominee 7/4 2151 Poor calls, L.Ingram in mess! (JJR-MI)
1350 OH WARF Akron 6/23 2355-0105 Mixing w/singing. Typical Fox Sports radio programming. "From the Mike Brody studios. This is WARF AKRON. Your home of the... Fox Sports 13-50". (KK-VA)
1390 OH WNIO Youngstown 6/27 2355-0105 Mixing w/ talk & singing. Typical Fox Sports radio programming. "This is Fox Sports radio. Fox the sports animal... 13-90 WNIO". (KK-VA)
1400 MI WLJN Elmwood Twp 7/4 2200 Poor but clr LID, possible web info in mess! (JJR-MI)
1410 ON CKSL London 7/4 2137 Poor o/u WIZM, 1 other. Sat thru 4 songs to hear "Oldies 1410" jx. Still love the Canadian content oldies tho. OLD (JJR-MI)
PA KQV Pittsburgh 6/30 2355-0105 Mixing with talk & singing. PSA. "This is your station for news. KQV Pittsburgh 14-10 AM and world wide at kqv dot com". "When Radio Was" and "Bloomberg Business News". (KK-VA)
1420 OH WHK Cleveland 7/1 2355-0105 Mixing w/ Fox Sports. "... the staff and management of 14-20 WHK...". WHK with SRN news and political talk. (KK-VA)
1430 ON CHKT Toronto 7/4 2355-0105 Mixing w/ talk, Voice of Russia and singing. CHKT with Hindu type singing. "This is AM 14-30 CHKT Fairchild radio Toronto" into "Punjab Program". (KK-VA)
1440 OH WHKZ Warren 7/5 2355-0105 Mixing w/ singing & other talk. WHKZ IDing as "12-20 The Word". FRN news. "Join me weekday mornings for 'The Living Word' right here on 12-20 'The Word'". Janet Leopard Show. (KK-VA)
1460 ON CJOY Guelph 7/4 2126 Poor but o/others. "Greatest Hits, 1460 CJOY" OLD (JJR-MI)
1480 MI WGVU Kentwood 7/4 2123 Poor "Oldies 1480 and 850" o/WLMV. OLD (JJR-MI)
1570 IL WFRL Freeport 7/4 2114 Fair w/ "1570 WFRL" and possible power drop. KAKK is more likely here. Not hrd WFRL in years! OLD (JJR-MI)
1580 ON CKDO Oshawa 7/9 2355-0105 Mixing w/ talk. CKDO w/ OLDIES. "Your radio station since 1946.. broadcasting.. to others..107.7 MegaHertz. This is CKDO".(KK-VA)
1590 NY WGGO Salamanca 7/10 2355-0105 Mixing w/ talk, singing & other singing. Typical ESPN radio programming. "Local sports leader. ESPN radio. 15-90 WGGO Salamanca" and "You're listening to the sports leader 15-90 WGGO Salamanca". (KK-VA)

UN-IDEN

1450 ?? ???? 7/4 2207 Poor w/Pink's "Who Knew". Not an oldies stn, nor NOS. A Hot AC !/?. Stumped. (JJR-MI)

Thanks to Kraig and John this week.....best...fresh 7-23 0730

DX FORUM

Richard C Evans - 3908 Grand Oak Ave Apt 4 - Indianapolis IN 46237
E-mail: REvans5435@yahoo.com DEADLINES: Sundays

Deadlines: 8/21

Eric Bueneman (NØUIH), 631 Coachway Lane, Hazelwood, Missouri 63042-1347
The fines imposed on two of the four stations owned by Entertainment Media Trust (doing business as Insane Broadcasting Company), KQZQ 1190 and KZQZ 1430, shows yet another negative result of deregulation. The excuse of "time constraints" on the side of both the owners and contract engineers working for the group simply are not acceptable. Since the Telecom Act was passed 15 years ago, engineering standards have deteriorated to the point where there are really no coherent standards. Contract engineers shouldn't even be allowed; a station should be required to have a full-time engineer. The last station I worked at, WSIE 88.7, had a full-time engineer (and still does). The two AM stations I worked at, WFTD 1080 and WGNU 920, also had full-time engineers. Even the first station I worked at, KCFV 89.5, had a full-time engineer the last two years I was there, 1994 and 1995. I've only had to deal with a contract engineer at WFUN-FM 95.5. Deregulation has also allowed people of questionable character to run or own radio stations. The man who runs the four Insane Broadcasting Company stations, Bob Romanik, is a former strip club owner. I don't think anyone who has run a strip club, or even a billionaire, should be running a local radio station. He's hired mainly DJs that are either way past their prime (such as Kevin McCarthy, formerly of KMOX 1120) or have run into ethical problems at other radio stations (like the Saturday afternoon Jazz host, Ross Gentile).

His radio stations air very few commercials, except for the ones aired by CNN on KQQZ, KZQZ and the third station still on, WQQX 1490, and the 1950s, '60s and '70s era commercials aired on KZQZ 1430. He's even taken WQQW 1510 silent. I don't believe that those who run Entertainment Media Trust (Insane Broadcasting Company) are qualified to own a radio station. Even our own Lee Freshwater or Phil Bytheway is more qualified to own or run a radio station than Bob Romanik! Enough of the soapbox. I have a couple of questions to ask you. What is your closest unheard AM station? If you were to ask me, it would be WJPF 1340 Herrin, IL, at 100 miles. During the daytime, 1340 is dominated by KXEO Mexico, MO and WSOY Decatur, IL; at night, KXEO takes turns dominating with WLOK Memphis, TN. The only Herrin station I've heard has been an FM, WTAO 92.7. If you want to go by class, then WJPF is my closest unheard graveyard station. My closest unheard on a Class A/B channel is WINU 870 Shelbyville, IL. It is very difficult to hear due more to digital QRM from KFUD 850 than ACI from WJMR 880. On a Class C channel, it's WFIW 1390 Fairfield, IL. During the day, KJPW Waynesville, MO is dominant on 1390, in addition to the daytime transmitter site of KSLG 1380 being 10 miles east of me. At night, 1390 is dominated by WTJS Jackson, TN. In Missouri, my closest unheard is KRLL 1420 California (near Jefferson City) at 125 miles. The former FM sister, KATI 94.3, has been heard frequently at this location. On a Class A/B channel, the closest unheard Missouri station is KAAAN 870 Bethany, and KWPM 1450 West Plains on a Class D channel. How about your top five states and provinces, in terms of number of stations heard on AM? In my case, the top five states on AM, as of June 20, 2011, are Illinois (101), Missouri (86), Tennessee (79), Texas (78) and Alabama (60). The top five Canadian provinces on AM are Ontario (34), Manitoba (14), Quebec (8) and a tie between Saskatchewan and Alberta (7). I hope everyone enjoyed this year's Convention! 73.

VERIFICATION SIGNERS

Stephen S Howe – 9 Warner Dr – St Albans VT 05478-1575
E-mail: showe@csc.albany.edu

My deadline is the last Monday of the month at 1500 ELT.

CONTRIBUTORS

KK **Kraig Krist**, Manassas, VA; kg4lac@yahoo.com
 TMJ **Tom Jasinski**, Joliet IL; amdxe@core.com

FREQ CALL NAME, TITLE; ADDRESS; WHAT; WHEN; WHO

1390 WZHF* [None]; world@ruvr.ru; Q; 16; KK
 1660 KUDL** John C Morris, AsstCE; Entercom, 7000 Squibb Rd, Mission KS 66202;
 LP; 10; TMJ

WHAT was received: L = Letter with personalized statement; F = Form letter; Q = QSL card, commercially printed; C = Postcard or similar card supplied by station; P = Prepared card or form supplied by DXer; R = DXer's report returned with statement; cf = Certificate; E = Verification by e-mail; fx = Verification by FAX; M = Coverage map; B = Bumper or other sticker; bc = Business card; + = Extra goodies

WHEN the reply came: Number of days elapsed; f = Follow-up, by mail, FAX, e-mail, or visit; n = Return postage not used; r = Return postage returned

NOTES: * [For this column] = See comment below; ** [For this column] = See comment below

Thanks to Kraig and Tom we have a column this month. Kraig reports that WZHF-1390 was relaying a broadcast from the Voice of Russia when he heard it and that his QSL card was received directly from the Voice of Russia for an e-mail reception report. Tom notes that his reception report to KUDL-1660 included details before and after the call letter change from KXTR to KUDL. This column was prepared on 7/25/11. 73, SSH.

IRCA TECHNICAL COLUMN

Nick Hall-Patch – 1538 Amphion St – Victoria BC Canada V8R 4Z6
E-mail: nhp@ieee.org

The Pixel Technologies RF PRO-1A and Wellbrook Communications ALA1530 Active Loop Antennas Compared

by Guy Atkins KE7MAV

Introduced last year, the RF PRO-1A antenna from Pixel Technologies (a manufacturer and supplier to the satellite radio, cellular phone, and HD radio industries) is a direct competitor to Wellbrook Communications' ALA1530 broadband active loop antenna. Wellbrook is a vendor well known to

SWLs and DXers, and their popular ALA1530 antenna has been used for over 10 years in commercial and government monitoring posts in addition to the hobbyist market.

How does the newcomer antenna from the USA stack up against one of the UK's best active loops? Over the last six months I've been medium wave and shortwave DXing with both of these antennas and have used a systematic, objective approach to compare them. This review presents summary diagrams generated from MS Excel spreadsheet data to clearly show each antenna's performance per-band. After the comparison charts you will find a link to a ZIP file containing "A-B" MP3 audio recordings of actual reception with the two loops, plus the original XLS spreadsheet file to review if you are interested.

I won't comment much on the physical aspects of the antennas, as this information is found in-depth on the manufacturers' web sites. However, the RF PRO-1A and ALA1530 both use high quality materials and construction and are designed to last many years. The DXer and SWL will need to use "F" connectors or "F" adapters with the Pixel Technologies antenna, rather than the BNC variety on the Wellbrook product. BNCs are considered standard fare for professional HF equipment. Quad shielded RG-6 (QS-6) 75 ohm coaxial cable is recommended for the RF PRO-1A; it is an excellent choice for RFI rejection and a good value but harkens from the cable/satellite TV world rather than HF usage.

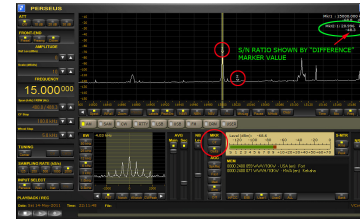
I used 125 feet of the quad shielded RG-6 feed-line with the RF PRO-1A, and 125 feet of 50 ohm, RG-58/U for the ALA1530, which is recommended by Wellbrook Communications for their antennas. The loops were oriented north-south, separated by 18 feet, and each loop was three feet off the ground on non-metallic masts. Both antennas were equally distant from the nearest building (my house) about 35 feet away. The nearest power lines were one half mile away from the antennas, since my neighborhood has a below ground AC mains supply.

Indoors, the output of each antenna's interface box was fed into an Alpha-Delta antenna switch, with the switch's output sent directly to a Perseus Software Defined Receiver (SDR).

Evaluating Antennas with the Perseus SDR Receiver

Microtelecom's highly regarded Perseus is an excellent tool for examining antenna performance. The receiver is in many respects a very affordable spectrum analyzer, with two key benefits useful for comparing antennas:

- Highly linear and accurate signal strength measurement at the receiver's antenna input, unaffected by AGC, gain settings, or other circuits
- Automatic calculation of signal-to-noise (S/N) ratio for received stations, using the "Markers" and "Delta" (difference) functions (signal + noise, minus noise only)



Typical S/N ratio measurement settings for use with the Perseus SDR is shown above. A right-click with the computer's mouse places signal level markers where desired. The "Delta" button under MKR (marker) automatically calculates the real time difference.

What makes one antenna "better" than another, when compared using the same station heard with the same receiver settings and adjustments? It is simply a better S/N ratio. Both loops are designed with very high IP2 and IP3 performance in mind, so they are essentially bullet-proof in high RF environments such as nearby transmitter sites. So, overload resistance is typically not a concern with either antenna; the bottom line is: which antenna can give clearer, more intelligible, and more noise-free signals?

Before receivers like Perseus became available to the hobbyist, antenna "A-B" comparisons have always been a matter of subjective listening for best reception (S/N) as determined by ear. The exacting S/N measurements made with the Perseus receiver make it possible to accumulate results for numerous individual frequencies in a Microsoft

Excel spreadsheet (XLS) and output charts and diagrams to illustrate the antennas' performance.

It's important to remember that the Perseus receiver can accurately measure signal strength—or band noise (non-signal) measurement—at the antenna input, like a spectrum analyzer. The receiver's software compensates for any changes in receiver gain (pre-amp / attenuation), AGC, etc. to consistently show the actual tuned signal strength at the antenna input. The "markers" function lets the user measure the strength of a chosen signal AND a nearby (out of passband) sampling of band noise. The "delta" (difference) button of Perseus subtracts the noise level from the signal-noise, and the S/N of the received station is shown. I used the method below to record reception data over a number of weeks and listening sessions. However, my hands-on use of the antennas spanned over

six months so I could compare my subjective impressions of the loops to the measurable data collected.

The Test Procedure

These were the steps taken to measure the S/N of every signal tuned:

- Configure the Perseus SDR for general reception of broadcast stations: dBm units for signal strength and markers, 6.0 kHz max. BW button (adjust for 4.0 kHz bandwidth to start), AM mode, Slow AGC, 2000 kS/s sampling, 400 kHz span, PeakSrc (Peak Source) button, and maximum averaging of the primary spectrum display window. If any parameters are changed for the best reception of a station, the adjustments are kept constant for each loop's test on that station.
- After tuning a signal, place a signal marker #1 in the primary spectrum window at center carrier of the station. The "PeakSrc" button snaps the marker to the carrier's peak and follows it throughout any fades or variations. Place a signal marker #2 in a non-signal (band noise only) area, outside of the passband (I generally tried for 10-20 kHz away from the signal).
- Click the "Delta" button to display the difference between the (signal + noise) and noise values. A higher Delta result corresponds to a better sounding signal.
- Allow time for the averaged spectrum display to settle before determining the average reading, or turn the main display's AVG (Averaging) button off and back on to speed up the settling process.
- Record the value in the XLS spreadsheet for the tuned frequency, and repeat the above process for the other loop antenna. Press MKR Clr (Marker Clear) button to erase the signal markers before testing a new signal.

I made an effort to identify all broadcast stations used for loop antenna testing, except on long wave where I am unfamiliar with DXing that band. Medium wave tests were done approximately 3-1/2 hours before local sunset to receive steady ground wave signals. At the top of HF, only one lonely broadcast signal was found in the 13m band, the Voice of America's Northern Mariana Islands transmitter on 21580 kHz. Ample signals for loop testing were found in all other bands, and the grand total of stations used in the tests was 169.

Test Categories and Charts of Results

After a lot of consideration on how to present the S/N numbers I decided upon these two criteria:

- Which antenna provides the best signals (S/N ratio) the most often, per band? (In case of a S/N ratio tie on a frequency, both antennas "win" and each receive one "vote" in the totals for that band.)
- What is the S/N ratio grand total of all tested signals per band, per antenna?

These two questions provide a basis to objectively compare the RF PRO-1A and ALA1530 antennas. The data in the MS Excel spreadsheet was automatically summed to provide totals to show overall antenna performance for long wave through 13 meters. The raw numbers from Excel were copied to the chart data entry tool in Adobe Illustrator software, to create nicer looking charts than is possible in Excel directly.

The Verdict

Well before I had finished comparing these commercial broadband loop antennas on all bands, my ears told me what the numbers were showing: The RF PRO-1A loop cannot keep up with the ALA1530's performance. I was surprised at this outcome as I expected it to be a very close race. The antennas are serious products which sell for serious amounts of money, and both appear to target the same advanced DX hobbyist and commercial customer market.

Pixel Technologies claim their antenna "provides enhanced performance over standard loops", and employs a "Moebius Strip Shielded Magnetic Loop" design, based on the work of Dr. Carl Baum who was a Sr. Scientist at the US Air Force's Research Laboratory.

In contrast, Wellbrook Communications' literature states that shielded Moebius and multi-turn loops have problems with too much capacitance or inductance, resulting in reduced HF bandwidth, sub-optimal current transfer to the amplifier, and subsequent lower loop/ amplifier power transfer (gain). Wellbrook also says their own antennas solve these issues with a low inductance loop element, and with an amplifier which has input impedance that matches (tracks) the loop's reactance over the design bandwidth.

Evidently Wellbrook's approach works, as their loop gave cleaner sounding, better S/N ratio signals the majority of the time, as shown in the charts and spreadsheet data. I wondered if there was a problem with my feedline, the connectors, or placement of the RF PRO-1A, so I temporarily substituted a different feedline & connectors as well as swapped the positions of the two loops. Neither change improved the Pixel Technologies' antenna.

MP3 Recordings of Signals

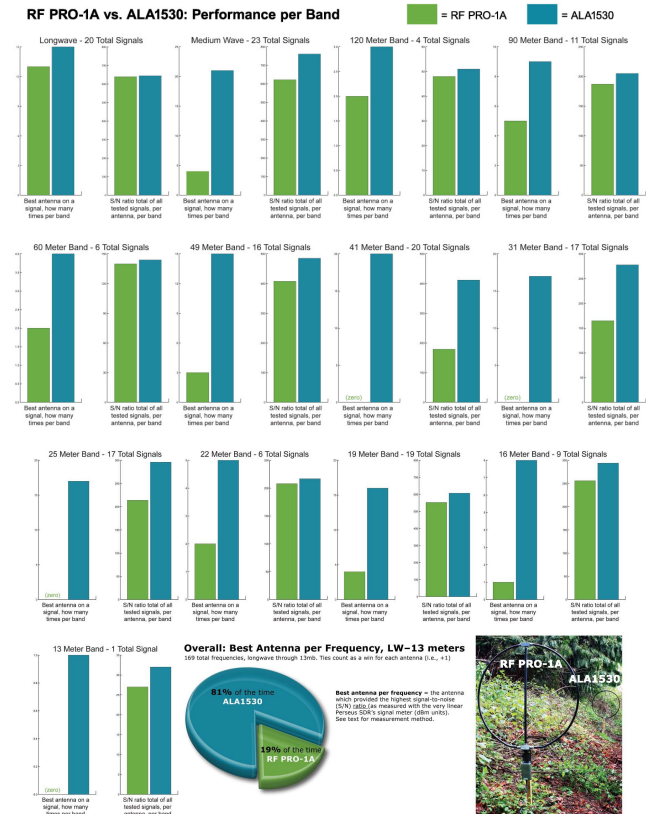
You can hear for yourself in a sampling of the loop comparisons. Download this ZIP file from my MediaFire.com account to access 12 MP3 audio files I recorded during testing of the RF PRO-1A and ALA1530: <http://www.mediafire.com/?edcn29ne31398sz>

Each recording is 20 seconds long. The first 10 seconds is always the RF PRO-1A's reception, and the second 10 seconds was made with the ALA1530. The ZIP file also contains the raw S/N numbers from the antenna comparisons test in an Excel spreadsheet file.

Conclusion

I purchased the RF PRO-1A for \$399.99 USD plus shipping directly from Pixel Technologies (www.pixelsatradio.com). Wellbrook Communications' ALA1530 is £200.00, which at the time of writing this review is \$325.68 USD. You can order it from their web site at www.wellbrook.uk.com. Taking international shipping charges for the Wellbrook loop into consideration, the ALA1530 is still a less expensive antenna.

Based on results from my S/N ratio tests, signal comparison recordings, and the over 10 year history of continuous improvement Wellbrook has put into their loop antenna, I believe that DXers and SWLs will make a better choice with the ALA1530.



(Active as a tropical bands and foreign medium wave DXer since 1980, Guy Atkins is best known for his efforts as an author and editor with the still-popular Fine Tuning's "Proceedings" series of books for the advanced radio enthusiast. More recently, for three years Guy ran an active and widely read blog devoted to the Perseus SDR receiver. Guy's in-depth technical articles and reviews have been published in Monitoring Times magazine and radio hobby resources DXing.info, Radiointel.com, DXer.ca, Hard-Core-DX.com, and elsewhere. He also enjoys antenna and receiver modifications along with trips to the well known coastal DXpedition sites in Grayland, Washington. Guy works as a graphic designer for the wireless firm T-Mobile USA.)

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THE 2011 IRCA COUNTRIES LIST

Compiled by Bruce Portzer, Countries List Chairman

Here is the latest version of the IRCA Countries List. This list was originally developed in the 1960's as a guide for club members in their quest for foreign medium wave targets. It has since been updated periodically. The list is organized into three sections: active, inactive, and deleted countries. For each country, I've listed its continent in brackets, and noted any former or alternative names. Any date restrictions are also noted (such as when the country was formed or ceased to exist). There are also a few instances where I've added comments clarifying a country's status.

Major change since last year include the addition of South Sudan, and the splitting of the Netherlands Antilles into several DX "countries".

A place qualifies for inclusion on the list if it meets one or more of the following criteria:

1. It is internationally recognized as independent, either because it is a member of the United Nations or International Telecommunications Union (ITU), or has diplomatic relations with multiple countries.
2. It has a high degree of internal autonomy. This characteristic can be for historical reasons, such as the various parts of the UK, or established through formal agreement, such as Hong Kong or Macao. A portion of a country may also qualify based on de facto autonomy, even if the parent country does not recognize it as such. Taiwan, for example. This qualification is largely a judgment call based on the amount of self-rule and political stability.
3. It is separated from the rest of the country by at least 200 km of open water (no other islands between it and the mainland), or 100 km of land, such as Hawaii or Alaska.
4. It is a colony, dependency, protectorate, or other overseas territory, such as Guam or Gibraltar. These places will only be listed if they currently have a MW radio station, have had one or more stations in the past, or have sufficient residents (permanent or temporary) to justify broadcast facilities. As a result, this list doesn't include most of the small islands and other uninhabited territories that appear, for example, on the ARRL list.
5. It is under international or other special administrative control, such as Antarctica.
6. It has historically been considered a separate DX "country", even though it doesn't seem to meet any of the above criteria ("We do it that way because that's the way it's always been done").

Country list junkies are welcome to examine the following four lists. Each has its own set of criteria, resulting in some interesting differences and similarities.

- **The ARRL Country List:** This list is used mainly for issuing DX Century Club awards. The criteria are well-thought out, but hotly debated in the ham community. It includes a large number of obscure uninhabited specks of land that would otherwise go unnoticed.
- **The NASWA Radio Country List:** This is a list of countries with active shortwave broadcasters, past and present.
- **The Travelers' Century Club List:** This organization gives certificates to those who have visited at least 100 countries. The most recent list has 350 places listed.
- **How many countries are there?** This list analyzes several sources, including the ARRL/DXCC and TCC lists, and concludes that there could be anywhere from 191 to 493 countries, depending on what you count.

Any comments or questions on the list should be addressed to bpportzer@comcast.net

ACTIVE COUNTRIES

The following countries currently have or are believed to have active medium wave broadcast stations.

Abkhazia [AS] – break away region of Georgia, has diplomatic relations with several countries
Afghanistan [AS]
Alaska [NA]
Albania [EU]
Algeria [AF]
Andaman & Nicobar Islands (part of India) [AS]
Angola [AF]

Anguilla [NA]
Antigua & Barbuda [NA]
Argentina [SA]
Armenia [AS]
Aruba [SA] - receptions before 1-1-86 count as Netherlands Antilles
Ascension Island [AF] - possibly inactive
Australia [OC]
Azerbaijan [AS]
Azores [EU]
Bahamas [NA]
Bahrain [AS]
Balearic Islands (part of Spain) [EU] - includes Majorca
Bangladesh (formerly East Pakistan) [AS]
Barbados [NA]
Belarus (formerly Byelorussia) [EU]
Belgium [EU]
Benin (formerly Dahomey) [AF] - after 8-1-60
Bermuda [NA]
Bolivia [SA]
Bonaire [SA] - became a separate "country" 10-10-10. Theoretically, you could re-QSL PJB before and after that date and count it as two countries :-)
Bosnia-Herzegovina [EU] - receptions before 10-15-91 count as Yugoslavia
Botswana (formerly Bechuanaland) [AF]
Brazil [SA]
British Virgin Islands [NA]
Brunei Darussalam [AS]
Bulgaria [EU]
Burkina Faso (formerly Upper Volta) [AF] - after 8-5-60
Cambodia (formerly Kampuchea) [AS]
Canada [NA]
Canary Islands [AF]
Central African Republic [AF] - after 8-13-60
Ceuta (part of Spain, located in Morocco) [AF]
Chad [AF]
Chagos Islands (includes Diego Garcia, aka British Indian Ocean Territory) [AF]
Chile [SA]
China [AS]
Christmas Island (located in Indian Ocean) [OC]
Colombia [SA]
Cook Islands [OC] - The North Cook Islands are far enough from South Cooks to qualify as a separate country, but there are no known stations there
Corsica [EU]
Costa Rica [NA]
Crete (part of Greece) [EU]
Croatia [EU] - after 6-26-91
Cuba [NA]
Curacao [SA] - after 10-10-10. Earlier logs count as Netherlands Antilles
Cyprus [AS]
Cyprus, Turkish Federated State [AS] - a portion of northern Cyprus
Czech Republic [EU] - after 1-1-93, earlier loggings count as Czechoslovakia
Denmark [EU] - inactive on MW as of 6-30-11, but still active on LW
Djibouti (formerly French Somaliland, Afar & Issas) [AF]
Dodecanese Islands (part of Greece, includes Rhodes) [EU]
Dominica [NA]
Dominican Republic [NA]
Ecuador [SA]
Egypt [AF]
El Salvador [NA]
England [EU]
Eritrea [AF] - became part of Ethiopia 11-14-62, then gained independence 9-15-93
Estonia [EU]
Ethiopia [AF]
Falkland Islands (aka Islas Malvinas) [SA]
Faroe Islands [EU]

Fiji [OC]
 Finland [EU]
 France [EU]
 French Polynesia (aka Society Islands, includes Tahiti) [OC]
 Gabon [AF] - after 8-17-60
 Gambia, The [AF]
 Georgia [AS]
 Germany [EU] – Formerly German Federal Republic (West Germany). GDR and West Berlin were added in 1990
 Gibraltar [EU]
 Greece [EU]
 Greenland (aka Kalaalit Nunaata) [NA] - may now be inactive on MW, or soon will be
 Grenada [NA]
 Guadeloupe [NA]
 Guam [OC]
 Guantanamo Bay Naval Base [NA]
 Guatemala [NA]
 Guernsey (British Crown Dependency) [EU]
 Guinea [AF]
 Guyana (formerly British Guiana) [SA]
 Haiti [NA]
 Hawaii [OC]
 Honduras [NA]
 Hong Kong [AS] – Special Administrative Region of China with a high degree of autonomy
 Hungary [EU]
 Iceland [EU] – No medium wave operations at present but has two longwave transmitters
 India [AS]
 Indonesia [AS]
 International Waters [OC] - Several stations have operated aboard ships near Western Europe (many), Israel (Voice of Peace, 1973-1993), New Zealand (Radio Hauraki, late 1960's) and the Northeastern US (Radio Newyork International, late 1980's). Currently there are no known regular operations from International Waters. However, the US government has the ability to broadcast from aircraft over international waters.
 Iran [AS]
 Iraq [AS]
 Ireland [EU]
 Isle of Man (self-governing British Crown Dependency) [EU]
 Israel [AS]
 Italy [EU]
 Jamaica [NA]
 Japan [AS]
 Jersey (British Crown Dependency) [EU]
 Jordan [AS]
 Kaliningrad (noncontiguous part of Russia) [EU]
 Kazakhstan [AS]
 Kenya [AF]
 Kiribati (formerly Gilbert Islands) [OC]
 Korea, North (Democratic People's Republic of Korea, DPRK) [AS] - loggings from before the Korean War in the early 1950s count as South Korea.
 Korea, South (Republic of Korea) [AS]
 Kosovo [EU] – Former Serbian province, under UN-supervised administration 1999-2008. Independent country since 17 Feb 2008
 Kuwait [AS]
 Kyrgyzstan (formerly Kirghiz SSR, Kirgizia) [AS]
 Lakshadweep (aka Laccadive Islands) (part of India) [AS]
 Laos [AS]
 Latvia [EU]
 Lebanon [AS]
 Lesotho (formerly Basutoland) [AF]
 Libya [AF]
 Lithuania [EU]
 Luxembourg [EU]
 Macao [AS] – Special Administrative Region of China with a high degree of autonomy
 Macedonia [EU] - after 9-8-91, earlier loggings count as Yugoslavia

Madagascar (aka Malagasy Republic) [AF]
 Madeira [AF]
 Malawi (formerly Nyassaland) [AF]
 Malaysia, East [AS] - after 9-16-63, consists of Sabah & Sarawak
 Malaysia, West [AS] - after 9-16-63, consists of peninsular Malaysia
 Maldives [AS]
 Mali [AF] - after 6-20-60
 Malta [EU]
 Marshall Islands [OC]
 Martinique [NA] – Possibly inactive, but MW station still listed on 1310
 Mauritania [AF] - after 6-20-60
 Mauritius [AF]
 Mayotte (aka Mahore) [AF]
 Melilla (part of Spain, located in Morocco) [AF] - See Morocco listing in WRTH
 México [NA]
 Micronesia, Federated States of (formerly Eastern Caroline Islands) [OC]
 Moldova (formerly Moldavia) [EU]
 Mongolia [AS]
 Montenegro [EU] – after 6-3-06. Earlier loggings count as Yugoslavia.
 Morocco [AF]
 Mozambique [AF]
 Myanmar (formerly Burma) [AS]
 Nepal [AS]
 Netherlands [EU]
 New Caledonia [OC]
 New Zealand [OC]
 Nicaragua [NA]
 Niger [AF] - after 8-3-60
 Nigeria [AF]
 Norfolk Island [OC]
 Northern Ireland (part of UK) [EU]
 Northern Mariana Islands [OC]
 Norway [EU]
 Oman [AS] - includes Masirah Island and Musandam Peninsula
 Pakistan (formerly West Pakistan) [AS]
 Palau (aka Belau, formerly Western Caroline Islands) [OC]
 Palestine [AS] – after Feb 1, 1999. Includes West Bank and Gaza. Earlier logs count as Israel.
 Panamá [NA]
 Papua New Guinea [OC]
 Paraguay [SA]
 Péru [SA]
 Philippines [AS]
 Poland [EU]
 Portugal [EU]
 Pridnestrovie (aka Transnistria, Trans-Dniester) [EU] – A self-governing independent region of Moldova. Considers itself an independent country though not recognized as such by the Moldovan government or most international organizations
 Puerto Rico [NA]
 Qatar [AS]
 Réunion [AF]
 Rodrigues Island [AF] – Part of Mauritius, separated by 500+ km of ocean
 Romania [EU]
 Russia, Asiatic [AS]
 Russia, European [EU] – the Ural Mountains are the dividing line between Asia and Europe
 Samoa, Western [OC]
 San Andres & Providencia (part of Colombia) [NA]
 Sao Tome & Principe [AF]
 Sardinia (part of Italy) [EU]
 Saudi Arabia [AS]
 Scotland [EU]
 Serbia [EU] – Montenegro declared independence from Serbia/Yugoslavia 6-3-06. Earlier loggings of Serb stations count as Yugoslavia
 Seychelles [AF]
 Slovakia (aka Slovak Republic) [EU] - after 1-1-93, earlier loggings count as Czechoslovakia

Slovenia [EU] - after 6-26-91, earlier loggings count as Yugoslavia
 Solomon Islands [OC]
 South Africa [AF] - includes the homeland republics
 South Ossetia [AS] – breakaway region of Georgia, has diplomatic relations with several countries
 South Sudan [AF] - split off from Sudan and became independent as of 7-9-11, WRTH lists stations in Juba etc
 Spain [EU]
 Sri Lanka (formerly Ceylon) [AS]
 St. Helena [AF]
 St. Kitts & Nevis [NA]
 Saba and St Eustasius [NA] – after 10-10-10
 Sint Maarten [NA] – after 10-10-10
 Sudan [AF] (also see South Sudan)
 Svalbard (Spitzbergen) [EU]
 Swaziland [AF]
 Sweden [EU] - Sveriges Radio has ended all MW activity, but Radio Nord is sometimes active
 Switzerland [EU]
 Syria [AS]
 Taiwan (Republic of China) [AS] - includes Quemoy & Matsu
 Tajikistan [AS]
 Tanzania (formerly Tanganyika) [AF]
 Thailand [AS]
 Timor Leste (aka East Timor) [AS] – Originally called Portuguese Timor, annexed by Indonesia 12-31-61. Became independent 3-1-00.
 Togo [AF]
 Tonga [OC]
 Trinidad & Tobago [SA]
 Tunisia [AF]
 Turkey [AS]
 Turkmenistan (formerly Turkmen SSR) [AS]
 Turks & Caicos Islands [NA]
 Uganda [AF]
 Ukraine [EU]
 United Arab Emirates [AS] - Includes Abu Dhabi, Dubai, Sharjah, et al
 United States of America [NA]
 Uruguay [SA]
 Uzbekistan (formerly Uzbek SSR) [AS]
 Vanuatu (formerly New Hebrides) [OC]
 Vatican City [EU] – Vatican Radio's transmitter site is an extraterritorial part of The Vatican
 Venezuela [SA]
 Vietnam [AS] - includes pre-unification receptions of North Vietnam
 Virgin Islands (US) [NA]
 Wales [EU]
 Yemen [AS] - after 6-22-90, formed when Yemen Arab Republic merged with People's Democratic Republic of Yemen

INACTIVE COUNTRIES

The following countries currently do not have medium wave stations, based on information in the World Radio-TV Handbook (WRTH), Euro-African Medium Wave Guide (EMWG), and/or Pacific Asian Log (PAL). Some have had MW stations which are no longer on the air. A few have never, to the best of my knowledge, had a MW station but are listed because they have sufficient permanent or transient population to justify a MW station. The list does not include places with very small populations that have never had a MW broadcast station (for example, Pitcairn Island).

Aland Islands [EU] – An autonomous region of Finland. A MW station has been planned for many years but is not currently on the air
 Andorra [EU] - Two high powered MW stations operated here until early 1980s
 Antarctica (and nearby island groups) [OC] - SW/FM only, has had MW stations in the past
 Austria [EU] MW operations ended 2009
 Belize (formerly Br Honduras) [NA] – FM only
 Bhutan [AS] - currently SW/FM only
 Burundi [AF] - FM/SW only
 Cameroon [AF] – FM only
 Cape Verde [AF] - FM only

Cayman Islands [NA] - FM only
 Chatham Islands [OC] - FM only
 Christmas Island (Part of Kiribati) [OC]
 Cocos-Keeling Islands [OC] – FM only
 Comoros [AF] – FM only
 Congo, Democratic Republic of the (formerly Zaire, Belgian Congo) [AF] – FM/SW only
 Congo, Republic of [AF] - after 8-15-60, now only FM/SW
 Cyprus, British Sovereign Bases on [EU] - now FM only, includes Akrotiri & Dhekelia
 Easter Island (aka Isla de Pascua, Rapa Nui) [OC] - MW operation ended 2006
 Equatorial Guinea (Rio Muni, mainland portion) [AF] - SW/FM only
 Equatorial Guinea (Bioko, offshore island) [AF] - SW/FM only
 Fernando de Noronha [SA] – Island group in Atlantic, part of Brazil, FM only
 French Guiana [SA] – no known MW operations at the moment
 Galapagos Islands (part of Ecuador) [SA] - MW/SW ceased some time ago, now FM only
 Ghana (formerly Gold Coast) [AF] - SW/FM only
 Guinea-Bissau (ex- Portuguese Guinea) [AF]
 Ivory Coast (Côte d'Ivoire) [AF] - after 8-7-60 – FM only
 Johnston Island [OC] - inactive after 1977
 Lampedusa [EU] – Italian island near Tunisia. No known MW, possibly some FM
 Liberia [AF] - SW/FM only
 Lord Howe Island [OC] - now FM only
 Liechtenstein [EU] - FM only
 Midway Island [OC] – FM only, MW has been inactive for many years
 Monaco [EU] – MW transmitters are actually in France
 Montserrat [NA] –FM Only. All MW transmitters were destroyed by volcanic activity in the 1990s.
 Namibia (formerly SW Africa) [AF] – FM only
 Nauru [OC] –FM only
 Niue [OC] – FM only
 Ogasawara (aka Bonin & Volcano Is, includes Iwo Jima) [AS] - no known MW outlets
 Phoenix Islands (part of Kiribati) [OC] - WXLE operated on Canton Island in 1970s
 Rwanda [AF] - SW/FM only
 Saint Barthelémy [NA] – French island near Guadeloupe, FM only
 Saint Martin (French, next to Sint Maarten) [NA] - FM only
 Saharan Arab Republic (aka Western Sahara) (formerly Spanish Sahara, Rio de Oro) [AF] – all known MW transmitters are located in Algeria
 Sierra Leone [AF] - FM only
 St. Lucia [NA] – no more MW stations
 St. Pierre & Miquelon [NA] – now FM only, MW was eliminated a few years ago
 St. Vincent & the Grenadines [NA] – MW station currently inactive but may return some day
 Samoa, American [OC] - all MW Stations believed to be silent, but there are construction permits for new ones.
 San Marino [EU] - FM only
 Senegal [AF] - after 6-20-60, now FM only
 Singapore [AS] - eliminated all MW services in mid-1990's
 Somalia [AF] – SW/FM only
 Suriname (formerly Dutch Guiana) [SA] – all MW stations believed to be inactive
 Tokelau [OC] – FM only
 Tristan da Cunha [AF] - FM only
 Tuvalu (formerly Ellice Islands) [OC] - after 1-1-76, now FM only
 United Nations HQ [NA] - universally recognized as "neutral" territory, but has no MW activity
 Wake Island [OC] – AFRTS station apparently closed down several years ago
 Wallis & Futuna [OC] – FM only, MW operation ended circa 2000
 Zambia (formerly Northern Rhodesia) [AF] - FM/SW only
 Zimbabwe (formerly Rhodesia) [AF] - FM/SW only

DELETED COUNTRIES

The following countries no longer exist, but had or may have had medium wave stations. Some are places that merged with a neighboring country. Others were split into two or more separate countries. The listed dates are when the country ceased to be a separate DX country. Some countries existed between two dates.

Biafra [AF] – 5-30-67 to 1-15-70, otherwise part of Nigeria
 British North Borneo [OC] - 9-15-63 (now part of Malaysia)
 Canal Zone [NA] - 9-30-79 (now part of Panama)

Czechoslovakia [EU] - 12-31-92 (now Czech & Slovak Republics)
 Danzig [EU] - 9-1-39
 French Equatorial Africa [AF] - 8-16-60 (now Chad, Central African Republic, Gabon, Congo)
 French Indo-China [AS] - 12-20-50 (now Laos, Vietnam, Cambodia)
 French West Africa [AF] - 8-6-60 (now Niger, Ivory Coast, Burkina Faso, Benin, Mauritania, Mali, Senegal, Guinea)
 German Democratic Republic [EU] - 10-3-90 (now part of Germany)
 Goa (Portuguese India) [AS] - 12-19-61 (now part of India)
 Guangdong Peninsula [AS] - 8-14-45
 Jammu and Kashmir [AS] - northern provinces of India, subject to a border dispute with Pakistan
 Karelo-Finnish SSR [EU] - 7-15-56 (now part of Russia)
 Leeward Islands [NA] - 2-27-67 (now various island nations)
 Malaya [AS] - 9-15-63 (now part of Malaysia)
 Manchuria (Manchuguo) [AS] - 9-16-63 (now part of China)
 Newfoundland & Labrador [NA] - 3-31-49 (now part of Canada)
 Netherlands Antilles [SA] - Bonaire and Curacao split into separate "countries" 10-10-10
 Okinawa (Ryukyu Islands) [AS] - 5-14-72 (now part of Japan)
 Peoples Dem Rep of Yemen (Aden) [AS] - 5-21-90 (now part of Yemen)
 Ruanda-Urundi [AF] - 7-60 to 6-30-62
 Saar [EU] - 1-3-48 to 12-31-56 (now part of Germany)
 Sarawak [OC] - 9-15-63 (now part of East Malaysia)
 Sikkim [AS] - became part of India 5-16-75
 South Vietnam (Republic of Vietnam) [AS] - 7-1-76 (now part of Vietnam)
 Swan Island [NA] - 8-31-72 (now part of Honduras, home of Radio Americas in mid-1960s)
 Tangier [AF] - 6-30-60 (now part of Morocco)
 Tibet [AS] - 5-30-74 (now part of China)
 Trieste [EU] - 2-10-47 to 5-19-54 (now part of Slovenia and Italy)
 Walvis Bay [AF] - 9-1-94 (former part of South Africa, now part of Namibia)
 West Berlin [EU] - 10-3-90 (now part of Germany)
 Windward Islands [NA] - 6-1-67 (now various island nations)
 Yemen Arab Republic [AS] - 5-21-90 (now part of Yemen)
 Yugoslavia [EU] - Former Yugoslav republics became independent 1991-2006 (see active country listings for dates).
 Zanzibar [AF] - 6-30-64 (now part of Tanzania)

GEOMAGNETIC INDICES

Compiled by: Phil Bytheway
 E-mail: phil_tekno@yahoo.com

Geomagnetic Summary June 1 2011 through June 30 2011

Tabulated from email status daily.

Date	Flux	A	K	Space Wx					
6/ 1	114	10	2	no storms	16	103	5	1	no storms
2	112	9	1	no storms	17	104	11	2	no storms
3	107	3	1	no storms	18	99	6	1	no storms
4	103	11	5	minor	19	99	5	2	no storms
5	103	26	2	moderate	20	96	7	2	no storms
6	100	6	1	no storms	21	95	8	2	no storms
7	96	8	4	minor	22	93	10	3	no storms
8	90	11	2	minor	23	96	17	3	no storms
9	88	12	4	no storms	24	96	13	3	no storms
10	87	9	3	no storms	25	94	6	2	no storms
11	85	12	2	no storms	26	90	7	1	no storms
12	85	10	1	no storms	27	89	6	2	no storms
13	87	8	2	no storms	28	87	5	1	no storms
14	99	8	2	minor	29	87	3	1	no storms
15	102	7	2	no storms	6/30	89	3	1	no storms

NRC AM Radio Log, 31st Edition

The **NRC AM Radio Log** is unbound and three-hole punched for standard binders. Media Rate: \$19.95 to US IRCA/NRC members; \$25.95 to US non-members; to Canadian members, \$24.00

(\$28.95 to non-members); add \$3.50 for Priority Mail. Airmail to all outside of USA/Canada: \$33.00. Canadian orders: PayPal or postal MO only. Order from: NRC Publications – PO Box 473251, Aurora CO 80047-3251, or via www.nrcdxas.org. (CO residents, please add 3.5% sales tax.) Please state your IRCA membership affiliation when you order. (Note: the 32nd Edition of the Log is coming soon...stay tuned to DX Monitor for details!-EiC)

The NRC AM Antenna Pattern Book

The Pattern Book now includes daytime and "Graveyard" frequency patterns for the first time. For those stations which operate with 50 kW (and higher in Mexico) non-directional (designated U1 in the AM Log), the day 'pattern' is shown to approximately the predicted 0.5 mV 1M coverage limits, while the night pattern is illustrated approximately 1.5 times larger. 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 IRCA/NRC members, \$22.95 USA non-members, \$25.95, Canada non-members/all overseas orders. Order from: NRC Publications – PO Box 473251 – Aurora CO 80047-3251 (CO residents, please add 3.5% sales tax). Please state your IRCA membership affiliation when you order.

Antenna Reference Manual, Volume 1 8th Printing, Digitally Enhanced and Updated

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An Introduction to Broadcast Band DXing

This tri-folded brochure is ideal for explaining the Broadcast Band DXing hobby and the IRCA. It can be included with reception reports and given to other interested folks. Sub topics include: What is DXing?, Broadcasting's early years, The first DXers, Clubs helped listeners share, Our hobby today and DX clubs still unite listeners. It is two color printed on heavy stock. Price is \$0.35/brochure (US and Canada), \$1.00 (rest of the world). Minimum order is 10.

To order any of the above items from the **IRCA Bookstore**, send the correct amount (in US funds payable to **Phil Bytheway** – which will be returned if not made out to **Phil Bytheway**) to: **IRCA BOOKSTORE, 9705 MARY NW, SEATTLE WA 98117-2334** (email: phil_tekno@yahoo.com).

IRCA Reprints

The IRCA maintains a large file of articles that have appeared in past issues of **DX Monitor**. These articles cover a wide variety of topics, including: antenna theory and construction, tips for the foreign BCB DXer, how to improve your DXing skills, history of DXing and broadcasting, lists of stations by subject, construction projects and receiver modification, receiver reviews, medium wave propagation, and more. Copies are available for a nominal charge. Price for the complete list is \$1.00.

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- A similar collection of maps for non-BBC stations.

- A large collection of detailed photographs of 200+ transmitter sites and the antennae in use.

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- Directional antennae radiation patterns.

Features: Extra features include a historical perspective of MW frequency assignment & usage in the UK. Additionally a dossier covering quiet radio areas in the UK is included with detailed information to help you select a listening site with minimum noise or interference. The CD also contains a range of useful country maps showing counties, postcode areas and so on.

In addition it includes direct linking to the Internet which will take you to a station's own website and to a detailed on-line mapping service that will show you on an Ordnance Survey map where the transmitter is physically located.

The CD is fully interactive and uses links to ensure you can quickly find the info you need. The main station listing uses a spreadsheet that you can sort and filter data as you wish.

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The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the Broadcast Band (510-1720 kHz). **DX Monitor**, the official publication of the IRCA, is published in "soft" form 35 times a year (weekly from November through March, twice monthly from April to November) and in printed form 30 times a year (weekly November through March, monthly April to November). **DX Monitor** contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists.



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For information on **subscribing to the IRCA mailing list** at Hard-Core-DX, a group e-mail service, contact the moderator, Lynn Hollerman at lynnhollerman@yahoo.com.

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