

September 25, 2010 – Volume 48, Number 3 – Edition 1510 – ISSN 899-9733

FROM THE EDITOR-IN-CHIEF

Last issue was pretty much a catch-up issue...this issue features the first IRCA Technical column of this volume. DX Forum will be in the next issue to make room in this issue for the Technical Column.

Membership Update!!!

This issue, IRCA welcomes **Gil Tobeck**, stationed in Stuttgart, Germany (SDXM), **Robert Ross** of London, Ontario, Canada (SDXM), **Russell Nelson** of Austin, TX (SDXM/HDXM) and **Don Smith** of Tidewater, OR (HDXM).

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. The 31st Edition is now available and ready to order.

In This Issue:	
Broadcasting Information...	2
Western DX Roundup...	4
Central DX Roundup...	5
Eastern DX Roundup...	6
DX World-Wide East...	8
IRCA Technical Column...	12

Missouri DX Get-Together

John Tudenham (WØJRP) is planning a DX Get-Together for Branson, MO on November 5-7. The event will take place at the Super 8 Motel, 2480 Green Mountain Road in Branson. It is located in the central part of Branson's Entertainment District, but has less traffic than the famous 76 Strip (State Road 76). Free breakfast and coffee are available for guests of this particular Super 8. Reservations can be made at this number: (417) 354-8880. For more information, contact John at (417) 624-8058 or by E-mail at jotud@yahoo.com any time, day or night.

WGY 810 Adds FM Simulcast

John also notes that WGY 810 Schenectady, NY is now simulcasting its News/Talk format on FM. This is part of a growing trend among AM talk stations to add FM simulcasts, put the station's programming on a digital stream of an FM station broadcasting in "HD", or move these formats exclusively to FM to attract younger audiences, who tend to shy away from AM stations. This is happening across the United States. Expect more of this trend in the coming months.



BROADCASTING INFORMATION

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CALL LETTER CHANGES

FREQ	OLD CALL	CITY	NEW CALL
990	KHBZ	Honolulu, HI	KIKI
1370	WWCB	Corry, PA	WHYP

FORMAT CHANGES

FREQ	CALL	CITY	OLD INFO	NEW INFO
630	KPLY	Reno, NV	Sports - ESPN	Sports - FOX
860	KARS	Belen, NM	Traditional Country	Religion
950	WJKB	Moncks Corner, SC	Classic Country	Sports - SNR
1160	WMET	Gaithersburg, MD	Religion	Reported Silent
	WOBM	Lakewood Township, NJ	Standards	Oldies
1180	WPLX	Memphis, TN	Silent	Blues
1260	KBSZ	Apache Junction, AZ	Oldies	Talk
1300	KROP	Brawley, CA	Silent	Talk
1310	WADB	Asbury Park, NJ	Sports	Oldies // WOBM 1160
1340	WDCR	Hanover, NH	Variety	Reported Silent
1350	KCHR	Charleston, MO	Talk	Oldies
	WYSK	Fredericksburg, VA	Spanish AC	Sports - ESPN
1370	WLLN	Lillington, NC	Silent	Spanish AC
	WHYP	Corry, PA	AC	Oldies
1400	WZHR	Zephyrhills, FL	Black Gospel	Southern Gospel
	WJQS	Jackson, MS	Business News	Adult Standards
1410	WENU	South Glens Falls, NY	Standards	Classic Country
1450	KYLS	Fredericktown, MO	Silent	Classic Country
1510	WLKR	Norwalk, OH	Sports	Oldies
1580	WRDD	Ebensburg, PA	Business News	Reported Silent

SLOGAN CHANGES

FREQ	CALL	CITY	NEW SLOGAN
950	WJKB	Moncks Corner, SC	"The Zone 950"
1260	KBSZ	Apache Junction, AZ	"NBC 1260"
1350	KCHR	Charleston, MO	"True Oldies"
	WYSK	Fredericksburg, VA	"The Game 1350"
1370	WLLN	Lillington, NC	"Radio LA Grande"
	WHYP	Corry, PA	"COOL 1370"

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INDIVIDUAL MEMBER AND CONTRIBUTOR LISTINGS:

From: radio info dot com Adult Standards and Sports are both out and Oldies is in on the Jersey Shore. The Radio-Info New Jersey Board speculated about a change even before it happened. On Friday morning, Millennium Radio put an end to the "Shore Sports Network" on WADB-AM, Asbury Park (1310) and began simulcasting Ocean County's WOBM-AM (1160), based in Toms River – which in turn dropped adult standards to go oldies. The new "Good Times Oldies" lineup will keep WOBM's Bob & Marianne in mornings, and add Lou Russo in middays. Big Joe Henry, heard live on the weekends on sister-station WKXW-FM 101.5, is in afternoons followed by Tom Lawler and Christopher Knight. One remnant of the Shore Sports Network, the duo of Joe & Mike, will do evenings on another Millennium station, "The Hawk" WCHR-FM (105.7). They replace Jonesey, whose status is unclear. WOBM-AM/FM VP/Quality Control Kevin Williams tells Radio-Info, "Research showed there was a real void for oldies in the market." Weekend sports games and other brokered programs will remain on WADE.

From: VINDY DOT COM WRTK changes format to classic-country hits. Radio station WRTK-AM 1540 in Niles changed its format Wednesday to classic-country music from the '60s, '70s and '80s and will be known as The Farm. It had been broadcasting the Fox Sports Network. The move was made by the new owners, Whiplash Radio LLC of Waynesville, which bought WRTK and WANR-AM 1570 in Warren on Aug. 18 from Beacon Broadcasting for \$50,000. Chris and Kathy Lash of Whiplash are operating both stations on a time-brokerage agreement until the FCC approves the sale. WANR will remain as Fox Sports Radio 1570 and will continue to broadcast high-school sports. Chris Lash, a veteran broadcaster, will be the general manager of both stations. Other staff members will stay in place at the stations, Lash said in a news release. Lash said the idea for the format for the new 1540 The Farm came from his childhood. "My family are all farmers around Pittsburgh, so the format and name came from my many days working alongside my cousins and uncles while listening to the radio in the barn," said Lash. There are no stations in the Youngstown-Warren radio market with the format. Even though The Farm is a daytime-only station, it will feature live round-the-clock web streaming at youngstownscountrylegends.com. Lash will serve as the station's morning man. He said more local talent will be added shortly. The Lashes renovated the old WRTK studios in Mineral Ridge and will move both stations to that location in the near future. "These stations have a rich radio history," said Lash. "And it is my goal to return them to their former glory."

FROM: RADIO INFO DOT COM The East Valley of Phoenix gets a new talk station: NBC 1260 While the oldies heard on KBSZ-AM (1260) will be carried on the **internet** starting today, the radio signal now becomes talk in the form of "NBC 1260" in the Phoenix area. The all-talk lineup will include the syndicated Bob & Tom in the morning, followed by the local "Doc & Lew" from 9-11am and "Culinary Confessions" from 11am-1pm. Barry Kluger hosts from 1-3pm, followed by Jeffrey O'Brien hosting "The Daily Blender" from 3-6pm. "NBC 1260" will also carry the syndicated Phil Hendrie at night. The station bills itself as "Home of Arizona's most entertaining talk shows and NBC Radio News," complete with the NBC peacock logo. Another new feature of the 1260: a new simulcast on an FM translator at 96.1, thanks to K240BD, licensed to Ft. McDowell.

FROM YAKIMAHERALD DOT COM Townsquare Media acquires six Yakima radio stations -- Six Yakima radio stations have been acquired by a Greenwich, Conn.-based radio company. Townsquare Media completed its acquisition of Gap Broadcasting and Gap West Broadcasting on Friday. With the acquisition, Townsquare Media owns 171 stations in 36 markets, making it the nation's fourth-largest radio company. Yakima stations involved in the acquisition are rock station 94.5 KATS-FM, country station The Bull 92.9 KDBL-FM, contemporary hit music station 107.3 KFFM-FM, newstalk station KIT-AM 1280, '80s and '90s station My 99.3 KQMY-FM and classic country station 1460 KUTI-AM. There are no job cuts planned or any other major changes expected for the Yakima stations under the ownership change, said Cheryl Salomone, Yakima market manager for Townsquare Media. Gap West Broadcasting purchased the stations from Clear Channel Communications in February 2008, but ran the stations for several months prior to the sale's closing under a marketing agreement. The acquisition of Gap Broadcasting and Gap West Broadcasting was essentially a merging of three companies with the same major equity partner: Oaktree Capital Management of Los Angeles. The combined company is keeping the Townsquare Media name to maintain its brand as a community-oriented radio company, Salomone said.

FROM: San Francisco Chronicle SFGate dot com KTRB-860 now in receivership A's radio flagship goes bust - September 12, 2010 | By Susan Slusser, Chronicle Staff Writer The A's struggles to find a stable radio home appeared to take a hit when their flagship station went into receivership at the end of the week. Trouble for KTRB (860 AM) might wind up benefiting the A's, though. The team has investigated buying its own radio outlet in past years, and KTRB's price at a bank auction is likely to be lower than it would be via a private sale. According to several sources, the power of the station (50,000 watts) and its strong coverage in the South Bay make it well suited for the A's needs, particularly if the club eventually moves to San Jose. I think that's premature right now," team vice president of broadcasting **Ken Pries** said of any potential interest in the station. "We've talked about acquiring a station in the past, but we haven't had any serious discussions about KTRB. It will be a month before the license changes hands and goes to the receiver." Pries said that the chief engineer remains and will keep KTRB on the air without interruption. (Recent transmission problems, however, were related to the station's financial troubles - diesel fuel bills weren't being paid). Conservative talk-show host **Michael Savage**, an odd fit for an "all-sports" station, was among the first casualties when owners **Jim** and **Harry Pappas** turned the outfit over to Comerica Bank. The contract of pregame and postgame host **Chris Townsend** was picked up by the A's.

FROM: RADIO INFO DOT COM Mancow Muller will do Sunday evenings for Citadel talker WABC, New York (770) The Chicago-based talk talent recently got a tryout from WABC program director Laurie Cantillo, then won the offer of the 6-pm Sunday evening slot. Erich "Mancow" Muller tells Robert Feder at **Vocalo.org** "I really believe we're standing at the most important time in American history...to be doing talk radio in New York on WABC is the highlight of my radio career." Mancow has been on several stations in Chicago and will continue to create his TRN-syndicated daily show, from either Chicago or New York. Robert Feder says there's "both irony and vindication in his hiring by WABC, considering that owner Citadel Broadcasting also is the parent company" of Chicago talker WLS (890), which took Mancow off in February. WLS said he and co-host Pat Cassidy weren't a good fit between Don Wade & Roma and Rush Limbaugh. No hard feelings, though: Mancow produces his syndicated show from the WLS studios.

FROM CHICO ER DOT COM Chico Christian radio station reports huge copper wire theft Local Christian Talk radio station KKXX, with offices in Chico, reported the theft of a large quantity of copper wire being used to ground its transmitter on the Paradise ridge. It's the second such loss suffered by the station in two years. After the radio station lost its mobile studio in the Humboldt Fire two years ago, thieves struck and stole 120 copper grounding wires, each about 250 feet in length. Today the radio station learned copper wire thieves had hit them again, this time taking about 22,000 feet of No. 10 wire, which they apparently bundled into lengths of 10 to 20 feet. Station manager Andrew Palmquist said the station was never knocked off the air. "They apparently knew what they were doing," Palmquist said. "They left just enough wire to allow us to broadcast." The theft was reported to the Butte County Sheriff's Office. The wire is estimated to be worth between 20 and 30 cents per foot. KKXX broadcasts at 930 AM.

FROM : RADIO INFO DOT COM D.C.'s getting another all-sports station on Monday: "Sports Talk 570" The speculation about Daniel Snyder-controlled Red Zebra Broadcasting dropping talk on WTNT (570) was on the money, with the company confirming a flip to an ESPN-powered all-sports format on Monday, September 20. That would bookend Red Zebra's existing all-sports station, WTEM (980). WTEM already carries the ESPN flag and there may be adjustments there. 570 appears to be carrying more of the ESPN Radio lineup, including Colin Cowherd, Scott Van Pelt, Doug Gottlieb and Brian Kenny. Though the morning show will be locally-familiar Steve Czaban, distributed by Sporting News Radio

Contributors:
Dale Park, Honolulu HI (DP-HI)

09/17/10 1300. A short column this week. We will catch up with the FCC data next week... All the best 73's. fresh

WESTERN DX ROUNDUP

Nancy Johnson -- 265 Waterton Way -- Billings MT 59102-7755
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WDXR DEADLINES: Each Friday. Please use Eastern Time.

REPORTERS FOR THIS ISSUE:

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NRD-515, Kiwa loop
- (GH) **Glen Hansen**-64985 Olson Rd.-Deer Island, OR 97054 gbhansen2@q.com
Drake R8B, R-390A, Hammarlund SP-600, TMC GPR-90, amplified Sanserino & Terk loops, 800' longwire SW, 300' N-S
- (GS) **Garry Stoklas**-P.O. Box 117-Imperial, CA 92252-0117 jergar@sbcglobal.net
Drake R8 with a 4 foot box loop
- *****
- 590 KUGN OR, Eugene 9/17 0905 Eugene weather, road conditions, and brief sports. (AB-ID)
KQNT WA, Spokane 8/28 0000 Art Bell with ID, ad for Fox Nation, news. Fair signal, one unID far under, on Drake with SW wire. (GH-OR)
- 600 CJWW SK, Saskatoon 8/28 0035 C&W music with many ID's. Fair to poor and alone, choppy with fades, on Drake with SW wire. (GH-OR)
- 670 KLTT CO, Commerce City 9/6 0001-0002 a religious program ended followed by a clear ID "... body, mind, and soul you are tuned to AM 670, KLTT, KLTT HD Commerce City, Denver..." Interference from KIRN Simi Valley, CA, KMZQ in Las Vegas and an unID Spanish language station. (GS-CA)
KMZQ NV, Las Vegas 9/6 0006 clear ID "... join me for advice on Nevada's #1 station for talk KMZQ..." at the end of the news & into talk program. Interference as noted above. (GS-CA)
- 750 KERR MT, Polson 9/9 2124 KERR ID then song "9 to 5" sung by Dolly Parton. (AB-ID)
760 KKZN CO, Thornton 9/9 2234 "AM 760 Colorado's Progressive Talk," into Randi Rhodes show. (AB-ID)
- 780 KAZM AZ, Sedona 9/4 0051 clear ID "... on 780 KAZM" and then into promo for Coast to Coast with George Noory. Moderate interference from unID. (GS-CA)
- 790 KABC CA, Los Angeles 9/5 0121 with a promo for "Red Eye Radio" and "Talkradio 790." Very broken signal with interference from KBET in Las Vegas and several unIDs including a Spanish language station. (GS-CA)
KBET NV, Las Vegas 9/6 0119 with "Country Legends 790." Very broken signal with interference from KABC in Los Angeles and several unIDs including Spanish a language station. (GS-CA)
- KJRB WA, Spokane 8/29 0000 ID and news. In strong for a few minutes then back into the mix on Drake with SW wire. Last heard 2007. (GH-OR)
- 800 CHAB SK, Moose Jaw 9/6 0100 faint ID, in & out under CKOR very weak on Drake with SW wire. Not often heard. (GH-OR)
- 840 KXNT NV, North Las Vegas 9/8 "KXNT The News Leader," into CBS news. (AB-ID)
KMAX WA, Colfax 9/8 1000 "KMAX" ID, into CNN news. (AB-ID)
- 850 KHHO WA, Tacoma 9/8 2200 "KHHO" ID followed by PCL baseball, Tacoma vs Sacramento(?). New. (AB-ID)
- 870 KRLA CA, Glendale, 9/10 0327 "KRLA" ID and Fox News mention. New. (AB-ID)
KFLD WA, Pasco 9/10 0330 "Newstalk 8-70 KFLD." (AB-ID)
- 1060 KBGN ID, Caldwell 9/8 1300 "AM 1060 KBGN," into IRN/USA news, local weather at 1305. (AB-ID)
- 1210 KTBK WA, Auburn 9/9 0000 vocal music, ID in English. Very weak with one unID under, on TMC with SW wire. (GH-OR)
- 1220 KHTS CA, Canyon Country 9/7 0900 KHTS ID, into "The Hometown Morning Show" at 0905. (AB-ID)
- 1290 KGVO MT, Missoula 9/14 2056 ad block, "Newsradio 1290 KGVO Missoula and 1240 Hamilton" at 2100. (AB-ID)
- 1330 CJYM SK, Rosetown 9/7 0031 oldies with fair signal one unID far under, on Drake with SW wire. Northern stations and Canadians strong lately. (GH-OR)
- 1350 KTIK ID, Nampa 9/7 0100 fair to good with sports scores, etc. KRLC playing weakly under, on Drake with SW wire. Long time no hear. (GH-OR)
- 1520 KOKC OK, Oklahoma City 9/13 2259 gent with "Newstalk 1520 KOKC." (AB-ID)

Thanks to our three reporters this time. We are now beginning the weekly issues! Nancy 9/17 2100

CENTRAL DX ROUNDUP

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

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RIDING GAIN

[EB-MO] **Eric Bueneman**, Hazelwood, MO **NOUIHEric@aol.com**
GE Superadio III

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

[NJ-MT] **Nancy Johnson**, Billings, MT **NancyJohnson@Prodigy.net**
Drake R8B and Kiwa Loop

[BP-XX] **Bruce Portzer**, Seattle, WA **bportzer@comcast.net**
DX'ing while on vacation in SD, WI, and WY. 2008 Subaru radio

DOWN THE DIAL

530 ... WI, LaCrosse. 8-26. 15:05 Sign on I-90 said to tune to 530 for information, but nothing heard. [BP-WI]

KI954 WY, near Wapiti. 9-1, 11:57. National Forest Service TIS with message about noxious weeds and don't feed the bears. ID as "KI-954." [BP-WY]

730 KURL MT, Billings. Noticed a call change listed for KURL. As of 9-17 the station is still KURL. They are in the process of swapping 730 with now silent KYA 93.3 as they want to upgrade their low power FM facility. However, that has not happened. They still ID as KURL. [NJ-MT]

1010 WSPT WI, Stevens Point. 9-17 good to fair through KXEN. 01:12 noted with calls, oldies format. [EB-MO]

1100 KKLL MO, Webb City. 9-16 fair to poor in WTAM null. KMOX 1120 in analog. 20:40 noted with talk format, IRN/USA Radio Sports, local spots. [EB-MO]

1130 WBBR NY, New York. 9-17 good over KWKH, KMOX in analog. 06:38 noted with sports, EDT time, "Bloomberg Radio" mentioned. [EB-MO]

1340 WSOY IL, Decatur. 9-17 good signal in KXEO null. 14:45 noted with local spots, "WSOY the Voice of Decatur" ID. [EB-MO]

1470 WRWB WV, Huntington. 9-14 good to poor mixing with WMBD. 01:30 with promo for high school football, local spots, calls. [EB-MO]

1590 WDBL TN, Springfield. 9-14 good to poor over others. 00:30 with Nashville area spots and a PSA. [EB-MO]

1600 KAC735 SD, Wind Cave National Park. 8-25, 12:10. Info about the cave and not to feed prairie dogs. "KAC-735" ID. [BP-SD]

1610 ... SD, Crazy Horse Memorial. 8-23. 18:00 TIS active with list of scheduled events for August to October. [BP-SD]

... SD, Mount Rushmore. 8-24. 19:00 noticed sign "Tune to 1610" however, nothing heard. [BP-SD]

WQHS744 WY, Cody. 8-30. 20:30 Cody Country Chamber of Commerce and Wyoming DOT TIS with mentions of various tourist related messages and road reports. "WQHS-744" ID. [BP-WY]

... WY, Devil's Tower National Monument. 8-23. 14:15 noticed sign posted near the entrance, but nothing heard. [BP-WY]

... WY, Yellowstone National Park north entrance. 9-1. 19:30 heard TIS with welcome message and information about the Park, wildlife, etc. [BP-WY]

1620 ... MO, Normandy. 9-17 noted a fair signal for the University of Missouri-St. Louis student-run station at 15:58. Two DJs talking over rap. "The U" slogan used. "UMSL Student Radio" ID into open carrier at 16:00. [EB-MO]

1700 ... 9-11. 23:50 heard NRC beacon believed to be emanating from Toledo, OH area this evening. Heard code "NRC" followed by a whooping type sound and then a short burst of chatter, perhaps some kind of dial tone. On a scale of 1 to 5 the signal strength is a 1 and sometimes fading away completely. [TMJ-IL]

25 YEARS AGO

September 28, 1985 issue of IRCA's "DX Monitor" ... **Tom Jasinski** of Shorewood, IL mentioned his 2500 mile drive to the Black Hills of South Dakota in a 21 foot rented motor home and DX along the way ... **Richard C. Evans** of North Wales, PA spent Labor Day logging new stations to the south with hurricane Elena information.

OPEN MIKE

We're back to the weekly issues. Keep sending those tips! This column was typed 9-18-10. 73, John

EASTERN DX ROUNDUP

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

E-mail: EDXR-at-AMLOGBOOK-dot-COM

Deadlines: Saturdays 8 AM!!

(KK-VA) Kraig Krist Manassas, VA.
NRD-545 rx w/134' multiband antenna NW to SE / KIWA LOOP

(WM-MD) William McGuire 2412 59th Place, Cheverly MD
DX-398

STARS OF THE WEEK

LOGGINGS

690 VA WZAP Bristol 8/30 2000 Southern Gospel MX heard; ID; USA News (WM-MD)

850 VA WTAR Norfolk 8/31 2000 "The Voice of NASCAR"; ID (WM-MD)

910 OH WLTP Marietta 9/02 2100 "The Hottest Talk In The Valley"; ID (WM-MD)

1070 NC WNCT Greenville 9/12 1826 Mixing w/ talk. WNCT with oldies. OM "10-70 WNCT dot com". (KK-VA)

1150 DE WDEL Wilmington 9/4 2000 "Delaware's Home For News & Information"; into Phillis baseball. (WM-MD)

1160 IL WYLL Chicago 9/4 2100 ID; Religious program (WM-MD)

1230 PA WCRO Johnstown 9/12 1834 Mixing w/ talk, other talk and football game. WCRO with "Music of Your Life" type songs. "There's more coming up after the news here on WCRO Johnstown" into news. (KK-VA)

1370 NY WXXI Rochester 9/6 2000 ID heard under Blk Gspl mx (WM-MD)

1510 MA WWZN Boston 9/14 1919 Mixing w/ singing and oldies. "Thanks for being with us on 'Progressive Talk 15-10 WWZN'". (KK-VA)

1540 IA KXEL Waterloo 9/12 0455-0535 Mixing w/ singing. KXEL with talk. PSA's "The Glenn Beck program weekdays at 8 on news talk 15-40 KXEL". "The flagship station for UNI football. News talk 15-40 KXEL Waterloo Peter Falls" into "ABC News". Then weather and "Midnight Radio Network". (KK-VA)

1570 NC WNCA Siler City 9/15 1911 Mixing w/ WFLR, Spanish, singing, talk and preaching. WNCA with oldies. "15-70 WNCA" into news. (KK-VA)

NY WFLR Dundee 9/15 1911 Mixing w/ WNCA, Spanish, singing, talk and preaching. WFLR with c&w songs. "Finger lakes country WFLR". "WFLR". (KK-VA)

OH WANR Warren 9/10 0455-0535 Mixing w/ oldies. WANR with typical Fox Sports Radio programming. "Sports, news, weather. 15-70 WANR". (KK-VA)

1580 MD WHFS Morningside 9/16 1920 Mixing w/ religious, singing and oldies. "...only on the big talker 15-80 WHFS". (KK-VA)

1590 OH WAKR Akron 9/8 0455-0535 Mixing w/ talk. WAKR with oldies. "15-90 WAKR". (KK-VA)

1600 NY WWRL New York City 9/13 2019 Mixing w/ other talk. WWRL with progressive talk. "WWRL sixteen hundred dot com". (KK-VA)

1610 ON CHHA Toronto 9/6 0455-0535 Mixing w/ English talk and singing. CHHA with Spanish on "Radio Voces Latinas". "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... 2953... and the website address is www voces latinas ca". (KK-VA)

1630 IA KCJJ Iowa City 9/4 0455-0535 Mixing w/ talk on WRDW and NVCC TIS. KCJJ with songs. KCJJ jingle. "Broadcasting from Coralville's... this is Coralville 16-30 KCJJ... in Coralville." Into "KCJJ news and weather". Back to songs. (KK-VA)

1660 NC WBCN Charlotte 9/1 0455-0535 Mixing w/ sports on WQLR and music. WBCN with talk. "Hi. This is Jason... you're listening to Charlotte's new home for news talk. America's talk WBCN". Phil call in show about America's problems. (KK-VA)

Thanks to Kraig this week. It nice to have William back with us for another DX season. Now is a good time to start on Nancy's Contest. Look like another good one. Hope I get time to auto DX this year. Remember to REPORT your DX to John, Nancy or myself !!! Best to all... fresh 9-18 0830

DX WORLDWIDE – EAST

Brandon Jordan – 3443 S. Perkins Rd – Memphis TN 38118

E-mail: bdjorda@gmail.com all times UTC

Welcome to another edition of DXWW-East. With the DX season upon us, I would like to challenge all members to please consider supporting this column with your loggings!

*** TRANSATLANTIC DX ***

531 **ALGERIA** Alger Chaîne 1, Ain-El-Beida, AUG 28 0044 - // 549 with Arabic string music and female vocal; about same strength as adjacent 530 Cuba. [Connelly*O-MA]
549 **ALGERIA** Alger Chaîne 1, Les Trembles, AUG 12 0159 - Arabic vocal; fair. [Connelly*Y-MA]
+ SEP 13 0515 – talk by multiple men in Arabic, best in LSB. Really good signal for a few moments. [Jordan-TN]
+ SEP 13 0535 – nice peak around transmitter sunrise, two men speaking in Arabic. [Jordan-TN]
585 **SPAIN** RNE R.1, Madrid, AUG 28 0030 - // 684 with newstalk by man, short segment of music; to fair peak past WEZE slop. [Connelly*O-MA]
+ SEP 13 0328 – talk by two men, pop ballad, almost fair peaks. // 774 [Jordan-TN]
603 **SPAIN** RNE R.5 synchros, AUG 28 0101 - news in Spanish; poor. [Connelly*O-MA]
621 **CANARY ISLANDS // SPAIN**, RNE R.1 synchros, SEP 13 0520 – Spanish chatter by man and women, bit of musical interlude. Huge signal causing massive het on 620.
639 **SPAIN** RNE R.1, La Coruña et al., AUG 28 0059 - // 774 with man in Spanish, dramatic music; fair. [Connelly*O-MA]
684 **SPAIN** RNE R.1, Sevilla, AUG 28 0100 - pips, musical fanfare, "Radio Nacional de España, informativo"; good. [Connelly*O-MA]
711.07 **WESTERN SAHARA** RTM, Laâyoune, AUG 28 0045 - Arabic vocal at light audio level. [Connelly*O-MA]
765 **SWITZERLAND** RSR Option Musique, Sottens, JUL 31 0100 - end of music, then man & woman in French; fair. [Connelly*Y-MA]
774 **SPAIN** RNE R.1 synchros, AUG 28 0017 - // 855 Spanish teletalk with two men; to fair peak. [Connelly*O-MA]
+ SEP 13 0332 - // 585 with pop ballad, male DJ [Jordan-TN]
783 **MAURITANIA** R. Mauritanie, Nouakchott, JUL 31 0102 - North African tribal female shouting with sparse instrumentation; fair. [Connelly*Y-MA]
784.04 **unID** ?, AUG 12 0300 - weak het against Mauritania ... Syria drifting? [Connelly*Y-MA]
792 **FRANCE** France Info, Limoges-Nieul, AUG 28 0100 - // 1206 with bouncy music, fanfare, French news; poor. [Connelly*O-MA]
837 **CANARY ISLANDS // SPAIN** COPE synchros, AUG 28 0031 - man in Spanish; poor. [Connelly*O-MA]
855 **SPAIN** RNE R.1 synchros, AUG 27 2333 - man & woman in Spanish mentioned Alemania (Germany); fair. [Connelly*O-MA]
+ SEP 13 0335 – poor, Spanish pop ballad // 774/585 [Jordan-TN]
864 **FRANCE** France Bleu, Villebon-sur-Yvette, 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 synchros, AUG 27 2333 - Spanish teletalk // 1485; over something else. [Connelly*O-MA]
909 **UNITED KINGDOM** BBC R.5 synchros, AUG 13 0102 - BBC news; noisy. [Connelly*Y-MA]
+ SEP 13 0338 – BBC program promo by woman, man discussing pre-human ancestors, "2.6 million years ago", best in LSB. [Jordan-TN]
+ SEP 13 0530 – men and woman discussing someone who "just made tennis history", great signal for a few moments. [Jordan-TN]
927 **BELGIUM** (presumed) R Vlaanderen Info, Wolvertem, SEP 13 0458 – possibly this one in German, news type talk missed with brief bits in English regarding Afghanistan, then Castro, English pop song noted after 0508. Decent signal for 5 minutes! [Jordan-TN]
945 **FRANCE** France Info, Toulouse-Muret, JUL 31 0100 - piano music, fanfare, woman in French; good. [Connelly*Y-MA]
954 **SPAIN** Onda Cero, Madrid, AUG 28 0101 - man & woman in Spanish, then teletalk; fair. [Connelly*O-MA]
963 **SPAIN** R. Euskadi, Biribilondo, AUG 28 0100 - ID "Radio Euzkadi y Radio Vitoria, servicios informativos"; fair. [Connelly*B-MA]
981 **ALGERIA** RTVA Chaîne 2, Ouled Fayet, 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]
999 **SAUDI ARABIA** BSKSA R.Quran, Tabuk, AUG 27 2332 - Koranic vocal; over Spain. [Connelly*O-MA]
999 **SPAIN** COPE synchros, 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 - // 1044 & 1116 with ID "Cadena SER, servicios informativos", news by woman; fair. [Connelly*O-MA]

1035 **PORTUGAL** R. Clube, Belmonte, AUG 28 0017 - "We've Got Tonight" by Bob Seger; good. [Connelly*O-MA]
1044 **SPAIN** SER synchros, AUG 27 2333 - telco-fidelity Spanish talk by man; occasionally over WBZ IBOC. [Connelly*O-MA]
1053 **UNITED KINGDOM** TalkSport synchros, JUL 31 0206 - talk // 1089; through Libya 1053.1 growl. [Connelly*Y-MA]
1062 **DENMARK** (presumed) Danmarks Radio, Kalundborg, SEP 13, 0344 – bits and pieces of an interval signal, peaking again at 0351 with instrumental music [Jordan-TN]
1080 **SPAIN** SER synchros, AUG 27 2333 - // 1116 with man in Spanish; about even with reduced-power WTIC. [Connelly*O-MA]
1088 **ANGOLA** R. Nacional, Mulenvos, AUG 13 0100 - bits of talk, but mostly just a het against UK-1089. [Connelly*Y-MA]
1089 **UNITED KINGDOM** TalkSport synchros, JUL 31 0200 - // 1053 with political teletalk; to good peak. Slight 1088 Angola het.
+ JUL 31 0207 - ID "DAB digital radio, 1089 & 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]
1098 **SPAIN** RNE R.5 synchros, AUG 14 0100 - pips, fanfare music, "Radio Nacional de Espana, informativo"; fair. [Connelly*Y-MA]
1107 **SPAIN** RNE R.5 synchros, AUG 14 0101 - news by man // 1098; fair over 1107.12 growl. [Connelly*Y-MA]
1116 **SPAIN** SER synchros, JUL 31 0200 - pop song, pips, Cadena SER mention, newstalk by woman; fair. [Connelly*Y-MA]
1125 **BELGIUM** RTBF Vivacité, Houdeng, JUL 31 0201 - French news by man; slightly over Spain. [Connelly*Y-MA]
1125 **SPAIN** RNE R.5 synchros, AUG 27 2333 - segment of blues music, then man & woman in Spanish; fair. [Connelly*O-MA]
1134 **SPAIN** COPE synchros, AUG 27 2333 - // 1215 with talk about something happening "manana", a bit of mood music, then more Spanish talk; to good peak on USB to dodge WBRR. [Connelly*O-MA]
1143 **SPAIN** COPE synchros, AUG 27 2334 - man in Spanish; in tough CBI slop. [Connelly*O-MA]
1152 **SPAIN** RNE R.5 synchros, AUG 28 0101 - echoey fast talk Spanish news by man. [Connelly*O-MA]
1161 **IRAN** (t) ?, AUG 27 2333 - Koranic vocal occasionally getting through heavy WSKW oldies splatter. [Connelly*O-MA]
1206 **FRANCE** France-Info, Bordeaux-Néac, AUG 12 0201 – French news by woman //1377. [Connelly*Y-MA]
1215 **SPAIN** COPE synchros, JUL 31 0201 - fast Spanish newstalk by man; under UK. [Connelly*Y-MA]
+ AUG 27 2333 - // 1134 with talk about "manana"; over UK. [Connelly*O-MA]
1215 **UNITED KINGDOM** Absolute R. synchros, 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 R. ID, advert about a 25% off sale. [Connelly*Y-MA]
+ SEP 13 0452 – nicely peaking with pop music, a bit better on the upper side band. [Jordan-TN]
1251 **LIBYA** Libyan Jamahiriya, Tripoli, AUG 28 0031 - male Arabic vocal at light audio level on good carrier. [Connelly*O-MA]
1269 **GERMANY** Deutschlandfunk, Neumünster, AUG 28 0059 - classical music; poor. [Connelly*O-MA]
1296 **SUDAN** SNBC, Reiba, AUG 27 2333 - man in Arabic; to fair peak. [Connelly*O-MA]
1305 **SPAIN** RNE R.5 synchros, AUG 27 2332 - // 1125 with woman in Spanish; poor. [Connelly*O-MA]
1314 **SPAIN** RNE R.5 synchros, AUG 27 2333 - music and talk // 1125; to fair peak. [Connelly*O-MA]
1359 **SPAIN** RNE, Arganda del Rey, AUG 28 0048 - Spanish talk; in slop. [Connelly*O-MA]
1377 **FRANCE** France Info, Lille, AUG 13 0130 - jazz, fanfare music, woman in French; fair. [Connelly*Y-MA]
+ SEP 13 0430 – man and woman in French, nice peak [Jordan-TN]
1413 **SPAIN** RNE R.5 synchros, 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]

1422 **GERMANY** Deutschlandfunk, Heusweiler, AUG 12 0202 - German news by man; briefly over French talk from Algeria. [Connelly*Y-MA]
 1422 **ALGERIA** RTA, Algiers, AUG 12 0300 - Arabic vocal, then news by man in French; fair. [Connelly*Y-MA]
 + AUG 28 0031 - female Arabic vocal and orchestra; good. [Connelly*O-MA]
 1431 **DJIBOUTI** R. Sawa, Arta, AUG 27 2330 - mellow vocal, Sawa mention in Arabic talk by man; fair through slop. [Connelly*O-MA]
 1476 **SPAIN** Euskadi Irratia, Biribilondo, AUG 28 0030 - two men in Spanish; poor. [Connelly*O-MA]
 1485 **SPAIN** SER synchros, AUG 27 2332 - telco-fidelity Spanish talk // 1044; fair. [Connelly*O-MA]
 1503 **SPAIN** RNE R.5 synchros, AUG 27 2333 - man & woman in Spanish; mixed with others; luckily less WBAE IBOC at Orleans than at Rockport. [Connelly*O-MA]
 1521 **SAUDI ARABIA** BSKSA, Duba, 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]
 + AUG 29 0115 – Arabic talk by man, threshold [Jordan-TN]
 1530 **SAO TOME E PRINCIPE** VOA, Pinheira, AUG 12 0300 - Yankee Doodle sign-on music, VOA news by man in English; over/under WCKY. [Connelly*Y-MA]
 1548 **KUWAIT** R. Sawa, Kabd-Kuwait City, JUL 31 0030 - male Arabic slow vocal; fair. [Connelly*Y-MA]
 1557 **FRANCE** France Info, Nice-Fontbonne, AUG 12 0300 - country-style vocal, music fanfare, news by woman in French; over WQEW slop. [Connelly*Y-MA]
 + AUG 31 0425 – French news talk by man and woman, great signal and easily heard on the ultralight connected to the K9AY. [Jordan-TN]
 1575 **UNITED ARAB EMIRATES** R. Farda, Al Dhabiya, JUL 31 0030 - pop mideast music, Farda ID; to fair peak over second station that was probably Spain. [Connelly*Y-MA]
 1602 **SPAIN** Euskadi Irratia R. Vitoria, Cerro Estibaliz, JUL 31 0031 - Spanish female vocal; over SER talker. [Connelly*Y-MA]

*** **PAN-AMERICAN DX** ***

526 **BAHAMAS** ZLS beacon, Stella Maris, AUG 12 0200 - ZLS code ID's; over static crashes. [Connelly*Y-MA]
 530 **CUBA** Radio Enciclopedia, La Habana, AUG 12 0200 - usual tropically-influenced lounge / elevator music, Spanish talk by woman; over 531 het. [Connelly*Y-MA]
 + AUG 29 0145 – instrumental music, female announcer in Spanish, good. [Jordan-TN]
 540 **GRENADA** (t) GBN Klassic AM, St. George's, AUG 28 0044 - reggae music likely this; briefly over CBT. [Connelly*O-MA]
 540 **MEXICO** XEWA W Radio, San Luis Potosí, SL, AUG 29 0210 – clips of live soccer coverage, many mentions of deportivo, excellent on southwest loop. [Jordan-TN]
 540.18 **NICARAGUA** YNOW Radio Corporación, Managua, AUG 12 0200 - het, bits of Spanish talk; separable from CBT/others-540.0. [Connelly*Y-MA]
 + AUG 29 0150-0200* - occasional peaks, two men taking phone calls, canned ID at 0157 then choral National Anthem at 0159 and off, best on southeast K9AY loop. [Jordan-TN]
 550 **CUBA** Radio Rebelde synchros, AUG 29 0205 – female announcer hosting Musica Viva program, good [Jordan-TN]
 570 **CUBA** CMHI Radio Reloj, Santa Clara, AUG 28 0044 - Reloj news, ticks, beeps; mixed with WMCA & unID in Spanish. [Connelly*O-MA]
 + AUG 29 0228 – news, time pips, morse, fair [Jordan-TN]
 580 **PUERTO RICO** WKAQ, San Juan, AUG 28 0102 - Puerto Rican news interview with man & woman in Spanish; over WTAG. [Connelly*O-MA]
 600 **CUBA** CMKV, R. Rebelde, Urbano Noris, AUG 12 0200 - Rebelde news about Congo, Guantanamo, // louder 670. [Connelly*Y-MA]
 610 **CUBA** CMAN, R. Rebelde, Bahia Honda, AUG 12 0159 - 9-note interval signal // 600, 670; way under WGIR. [Connelly*Y-MA]
 620 **CUBA** CMGN R Rebelde, Colón/Moa, AUG 28 0100 - news // 600; over WZON. [Connelly*O-MA]
 + AUG 29 0240 – lively Cuban music, good [Jordan-TN]
 640 **CUBA** R. Progreso synchros, AUG 12 0202 - festive music // 690; mixed with CBN & WNNZ. [Connelly*Y-MA]
 650 **CUBA** ?, AUG 28 0044 - "wobbler" signal pretty much taking over the channel. [Connelly*O-MA]

670 **CUBA** CMQ, R. Rebelde, Arroyo Arenas, AUG 13 0100 - Cuban news by woman, Rebelde sounders/stingers between items. [Connelly*Y-MA]
 670 **VENEZUELA** YVLL, R. Rumbos, Caracas, AUG 28 0045 - Rumbos ID; under Cuba. [Connelly*O-MA]
 690 **CUBA** R. Progreso, Jovellanos, AUG 13 0130 - "Progreso de Habana" and "Alegría" mentions, then Cuban vocal & drum music; fair / dominant. [Connelly*Y-MA]
 710 **CUBA** Radio Rebelde synchros, AUG 29 0300 – ID and talk, huge echo from synchros, good to excellent [Jordan-TN]
 720 **VENEZUELA** YVQE, R. Oriente, Porlamar, AUG 28 0100 - "en Venezuela, Oriente" ID; slightly over others. [Connelly*O-MA]
 750 **CUBA** CMHV, R. Progreso, Trinidad, AUG 12 0300 - // 690 & 900 with nostalgic Cuban music; poor to fair. [Connelly*Y-MA]
 750 **VENEZUELA** YVKS, RCR, Caracas, AUG 28 0045 - talk about Maracay, other cities; over CBGY. [Connelly*O-MA]
 760 **MEXICO** XEABC ABC Radio, México, DF, AUG 28 0325 - Spanish talk by gruffy voiced man, A-B-C ID at 0330, mixing with another Mexican station, poor to fair [Jordan-TN]
 + AUG 29 0345 – Spanish talk by man, canned ID by woman then studio conversation with multiple people, fair [Jordan-TN]
 770 **CUBA** R. Rebelde, Las Mercedes, AUG 12 0303 - (approx.) 9-note musical signal, talk // 670. [Connelly*Y-MA]
 780 **VENEZUELA** YVMN, R. Coro, Coro, AUG 28 0045 - Radio Coro ID, tropical music; fair. [Connelly*O-MA]
 790 **CUBA** R. Reloj, Pinar del Rio, AUG 12 0300 - Reloj program mixed with WPRV. [Connelly*Y-MA]
 800 **NETHERLANDS ANTILLES** PJB, Trans-World Radio, Bonaire, 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]
 819.55 **unID** ?, AUG 28 0045 - off-channel carrier, has been noted before. [Connelly*O-MA]
 820 **ST. KITTS & NEVIS** Trinity Broadcast Network / R. Paradise, Charlestown, AUG 13 0118 - good with black preacher talking about poverty. [Connelly*Y-MA]
 840 **HAITI** R. 4VEH (4VEF), Cap-Haïtien, AUG 12 0300 - good with 4VEH ID.
 + AUG 13 0100 - French talk, 'jingle bells' riff, gospel vocal; slightly over mess. [Connelly*Y-MA]
 860 **CUBA** R Reloj, AUG 12 0300 - "RR" code, Spanish talk; mixed w/ CJBC. [Connelly*Y-MA]
 860 **ST. KITTS & NEVIS** V. of Nevis, Bath Village, 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]
 870 **CUBA** R. Reloj, AUG 28 0017 - Reloj pgm.; over WLVP. [Connelly*O-MA]
 880 **VENEZUELA** YVYM, R. Venezuela, Puerto Ordaz, AUG 27 2334 - Radio Venezuela ocho-ochoenta ID; mixing with WCBS. [Connelly*O-MA]
 890 **CUBA** Radio Progreso synchros, AUG 29 0435 – back to back English romantic vocals, ID by man at 0445, excellent [Jordan-TN]
 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** R. Progreso, AUG 12 0300 - // 690 & 750 with nostalgic Cuban music; good. [Connelly*Y-MA]
 910 **CUBA** CMFA R Cadena Agramonte, Camagüey, AUG 29 0500 – ID by woman, good [Jordan-TN]
 939.87 **MEXICO** XEQ Bésame, México, DF, Aug 29 0511 – Spanish vocals, male announcer mentioning Bésame. Causing a huge growl on 940, good signal using LSB. [Jordan-TN]
 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]
 950 **CUBA** R. Reloj, La Habana & Mayarí Arriba, AUG 28 0030 - man & woman with Cuban news, ticks, beeps; dominant over CKNB/others. [Connelly*O-MA]
 960 **CUBA** R. Reloj, AUG 28 0100 - Reloj pgm.; good over WEAV. [Connelly*O-MA]
 1020 **CUBA** R. Reloj, AUG 28 0044 - Reloj news; over others. [Connelly*O-MA]
 1039.615 **VENEZUELA** La Voz de Carabobo, YVLB, Valencia, AUG 28 0101 - het, bits of audio. [Connelly*O-MA]
 1060 **DOMINICAN REPUBLIC** HIRV, R. Amanecer, San Pedro de Macoris, AUG 28 0100 - likely this with religious Spanish talk. [Connelly*O-MA]
 1060 **MEXICO** XEEP, R. Educación, México, DF, SEP 13 0405 – good peak on SW loop, female announcer, classical vocal. [Jordan-TN]
 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 **COLOMBIA** CARACOL, HJAT, 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, 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, AUG 28 0018 - BBC reporting by woman; slightly over jumble. [Connelly*O-MA]
 1170 **COLOMBIA** HJNW, CARACOL, Cartagena, AUG 12 0200 - Colombia and CARACOL Radio mentions; over jumble. [Connelly*Y-MA]
 1180 **CUBA** R. Rebelde (CMBT Villa Maria and others), AUG 28 0044 - // 600 & 670 with two men in Spanish mentioning "Julio"; good. [Connelly*O-MA]
 1189.86 **UNID** AUG 29 0110-0057* - Lively back to back Latin vocals with lots of accordion lasting until 0053, dead air until 0057 and off without announcements. Mostly in the clear on the southwest loop. [Jordan-TN]
 1210.14 **UNID** AUG 29 0110 - fair strength carrier causing a growl on 1210. Looping southeast, South American? [Jordan-TN]
 1220 **BRAZIL** ZYJ258, R. Globo, Rio de Janeiro, AUG 28 0030 - Globo jingle, then reverberated Portuguese shouting by man mentioning Sao Paulo; fair.
 + AUG 28 0044 - Globo ID's, ray gun sounds; good. [Connelly*O-MA]
 1280 **BERMUDA** VSB2, Hamilton, AUG 28 0017 - preaching about Moses; good, over WADO/WFAU.
 + AUG 28 0100 - Old Rugged Cross instrumental, Bible Broadcasting Network ID; over WCMN & 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 & WFAU. [Connelly*O-MA]
 1280 **BRAZIL** Super R. Tupi, ZYJ455, Rio de Janeiro, AUG 28 0045 - Portuguese talk; under Bermuda, over WFAU/WADO/WCMN. [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, AUG 28 0048 - // 1180 with orchestral music, then shouting man; good over second Spanish-speaker. [Connelly*O-MA]

*** OFFSET MEASUREMENTS ***

530	530.0002	CUB	R Enciclopedia, La Habana
540	539.9978	MEX	XEWA, Monterrey, SL
540	540.0183	NCG	YNOW Corporación, Managua
550	550.0002	CUB	R Rebelde
570	570.0000	CUB	CMHI R Reloj, Santa Clara
620	619.9997	CUB	CMGN R Rebelde, Colón
710	710.0004	CUB	R Rebelde
760	759.9981	MEX	XEABC, México, DF
890	890.0009	CUB	R Progreso
900	899.9998	MEX	XEW, México, DF
910	910.0001	CUB	CMFA R Cadena Agramonte, Camagüey
940	939.8745	MEX	XEQ, México, DF
1044	1044.0026	---	Unid, SER R San Sebastián listed at this offset
1190	1189.8605	---	Unid
1210	1210.1412	---	Unid
1251	1250.9998	---	Unid
1521	1521.0005	ARS	BSKSA, Duba

*** CONTRIBUTORS ***

Mark Connelly MarkWA1ION@aol.com
 [Connelly*O-MA] = S. Orleans, Cape Cod, MA, USA (GC= 41.7347 N / 69.991 W)
 [Connelly*Y-MA] = S. Yarmouth, Cape Cod, MA, USA (GC= 41.6933 N / 70.1912 W)
 Receiver: Microtelecom Perseus operated with MSI Wind U100 netbook.
 Antennas: (S. Orleans): 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 transformer to W7IUV transfer amp, and 9:1 transformer on west corner to speaker wire to 500 ohm null-adjust potentiometer. See <http://home.comcast.net/~dx_lab/pictures/micro_superloop.htm> for a similar antenna. Antenna (S. Yarmouth): west-null SuperLoop, 9 m vertical by 22 m horizontal, base height 1 m..

Brandon Jordan bdjorda@gmail.com www.bcdx.org
 [Jordan-TN] = Memphis, TN, USA (GC= 35.055 N / 89.907 W)
 Receivers: Microtelecom Perseus, RFSpace SDR-IQ, WinRadio G313e,
 Tecsun PL-300wt ultralight modified with 7.5" external ferrite rod and external antenna jack.
 Antenna: Wellbrook K9AY

73, Brandon.

IRCA TECHNICAL COLUMN

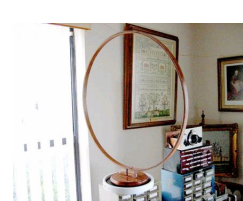
Nick Hall-Patch – 1538 Amphion St – Victoria BC Canada V8R 4Z6
E-mail: nhp@ieee.org

The Hoop Loop

A few months back, on the UltralightDX Yahoo group, Jim Kearman described what he called "the Hoop Loop", an external loop antenna to be used with a Tecsun PL-380, although other radios that contain the Si4734 DSP radio chip may also be used. The loop antenna in the radio is replaced with a matching transformer that is tuned by the radio's internal varactor, and a transmission line connects the antenna with the matching transformer. Interestingly, use of such a hoop for the frame of a tuned loop antenna was mentioned some years ago in Joe Carr's Receiving Antenna Handbook, the "Embroiderloop". Steve Ratzlaff has built the Hoop Loop also, and has provided us more details about construction and results.

KR1S Hoop Loop Ultralight Radio Antenna
 by Jim Kearman, KR1S

Construction

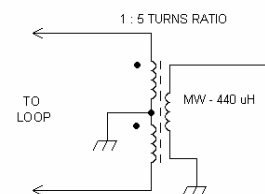


The KR1S Hoop Loop antenna is built on a 23-inch quilting hoop, purchased at Jo-Ann Fabrics. The base is seven inches in diameter and is sold as the mounting plate for clocks. It already had a hole drilled in it, and after putting three thick rubber feet on the bottom, the feedline could go through the hole and underneath. I ran two wood screws up through the base into the outer hoop clamp. Having a turntable made it possible to solidly mount the hoop to the base. The antenna has three turns of #24 magnet wire. The radio antenna is replaced with a matching transformer. This transformer operates in a way that wasn't apparent to me until someone more knowledgeable explained it.

To provide a terminal for the loop windings, I used a piece of 1/16" (0.031-inch) pc board the width of the hoop, with a gap sliced in the copper laminate in between the two ends. I bored holes through the board and the hoop at the same time and glued the board in place after warping it to match the curvature of the inner hoop. Then I ran the wires through the holes and soldered them to the board, where I also soldered the feed line.

The antenna doesn't have to have three turns, or be any particular size. Keeping the antenna inductance below 20 µH reduces the number of turns required and presents a relatively low impedance to the transmission line from the loop to the matching transformer. The transmission line is small-gauge speaker wire. I was initially using a 12-foot length with no problems, but that was longer than I needed so I used an eight-foot length for the final version.

The low number of turns on the loop also allows for a transformer turns ratio commensurate with good coupling. A difference of one turn on a three-turn antenna has a huge effect on inductance. If you use a different size hoop or another loop configuration, you'll have to calculate the number



of turns needed to keep the loop inductance in the range of 10-20 μH , assuming a turns ratio of 1 : 5.

The drawing shows a schematic of the matching transformer. The primary is a center-tapped bifilar winding, with total reactance closely matching the loop's reactance. I say "closely matching" because the primary winding must have an even number of turns. I got this idea from one of the co-inventors of the SiLabs Si4734 DSP chip, the same "knowledgeable source" mentioned above. As he explained it, using a bifilar winding with grounded center tap, common-mode signals see one-quarter of the primary inductance. Reducing common-mode pickup leads to deeper nulls, especially on stronger local stations.

This drawing shows how the transformer is wound. I used different colors for clarity, but of course you can use the same color magnet wire for all windings; you'll only have to sort out the bifilar primary windings with an ohmmeter. Twist the bifilar primary wires lightly together. Two turns per inch is good enough. After winding, B and C are connected together and to the ground side of the secondary (connection not shown). A and D are the antenna terminals.

This modification removes the internal antenna. A 1/8" mono headphone jack is installed on the side of the radio where the wrist strap formerly attached. The core nicely fits into the space between the end of the internal antenna and the side of the case. If you install the transformer outside the radio, you can use a shorting-type monaural jack to select the internal antenna when the external antenna is disconnected. Then, however, the leads connecting the transformer to the circuit board will be slightly longer, adding stray capacitance. If the transformer is mounted right on the plug, the system should still resonate across the band.

Using a Hoop Loop with four turns instead of three will raise its reactance and require more turns on the transformer primary, which could improve signal strengths, but my sense is that any improvement would be slight. If longwave is your primary interest, it's worth trying.

Theory

The matching transformer steps up the inductance or impedance of the antenna. The transformation ratio of the transformer is the square of the turns ratio. If the turns ratio is 1 : 5, the transformation ratio is 1 : 25. A 16- μH antenna is therefore transformed to 400 μH at the secondary. This inductance appears in parallel with the transformer secondary inductance, and that parallel inductance is what the radio tries to tune. Therefore, that parallel inductance should be within the range of 180-450 μH for a Tecsun DSP radio. For medium-wave reception, higher inductance is not helpful, and about 250 μH would be good. You calculate the total inductance of two inductors in parallel by dividing the product of their inductances by the sum. It turns out that a transformer secondary inductance of 440 μH , a 1 : 5 turns ratio and a 16- μH antenna presents an inductance of 210 μH to the radio.

The transformed inductance is tuned by a varactor on the radio integrated circuit. The antenna impedance is transformed up by the primary-to-secondary turns ratio, so the chip sees the combination of transformer and antenna as a tuned antenna system.

Hoop Loop -- The Movie

Chris Knight, N0JK posted a YouTube video of his hoop loop in action: <http://www.youtube.com/watch?v=NG3m7aoKp98>.

Puttin' On The Litz

*If you're blue, and you don't know where to go to
Why don't you go where signals flits? Puttin' on the Litz*

I came into a short piece of 165/46 Litz wire and replaced the three turns of #24 magnet wire on the hoop. Before-and-after checks on 530, 1000 and 1700 kHz showed no difference in signal strength with the Litz. Magnet wire should be fine for the Hoop Loop. Toroids and short pieces of magnet wire are available from <http://kitsandparts.com>.

The Hoop Loop on LW

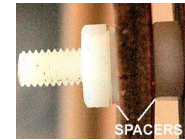
The Hoop Loop has done well on LW (150-500 kHz) using a 2700- to 3500- μH secondary on the matching transformer. You'll need a large -61 core; I recommend an FT140-61 wound with 28-gauge magnet wire. A Hoop Loop with more turns may pay off on LW. The radio needs to see a combined inductance of 2000 μH or more. Obtaining that parallel combination with a reasonable coil means using a much higher turns ratio, to transform the antenna inductance to around 6400 μH . A 1 : 20 ratio will work with a 16- μH antenna, but a lower ratio (more turns on the primary) would have less

loss. I made a 2650- μH coil on an FT114-61 core. In the first two nights of listening I logged 10 countries, and nine European and African LW broadcast stations! The 1.14-inch core is too small unless you use very thin wire, but it's the largest I had. Use a 1.40-inch core (FT140-61). The combined inductance is about 1850 μH , which is a little low. A 3375- μH inductance (150 turns, FT140-61) with 4 bifilar turns on the primary will work. An antenna inductance of about 135 μH would allow for a better turns ratio (1 : 5, as for the medium-wave transformer) with the same secondary inductance.

The Hoop Loop Goes Sideways

Sometimes, tilting a loop antenna will make nulls even deeper and sharper. After some consideration, I came upon a page at <http://www.radiointel.com/anthooploop.htm>, that gave me the answer. The author also used a 23-inch hoop, but made a loop that resonates with 365 pF. I cut the top half off the outer hoop, and added some weight to the bottom of the base to make the Hoop Loop more stable. As part of the winding is now exposed, a coat of polyurethane will hold the wires in place. A quick daylight test showed I could null a local on 1230 kHz 17 dB deeper by turning *and* tilting the loop than by turning alone. I've thought about gluing a piece of 1/4" plastic rod through the outer hoop, so I could use a vernier drive to adjust the tilt; it's that sharp.

I used 10-32 Nylon machine screws, nuts and washers. The washers are positioned as shown in this photo. With the spacers located as shown, you can tighten the nuts



so the loop tilts smoothly and easily, but doesn't droop when you let go.

(ed. note: the above is from Jim's original web article published at <http://kr1s.kearman.com/html/hooploop.html> with some additions from submissions he made to the Ultralight group, and is used with the author's permission)



The Hoop Loop
by Steve Ratzlaff

I just had to try the hoop loop implementation, and I have finally done it, and it's working just fine. I mainly wanted to verify to myself that the calculations really do work, when the hoop loop is transformed up and placed in parallel with the main transformer winding, and of course it does. But it's still fun to actually calculate what's needed and build it and measure the various inductances and try the final hookup. I'm not a MW DXer but more of a tech type just messing around with this Ultralight Radio stuff.

The closest Jo-Ann Fabric store is 70 miles away in Walla Walla, WA, so I ordered two 23" quilting loops online. I wound 5 spaced turns of #28 wire, which measured 43 μH using the aade.com LC meter. The photo below shows the winding detail of my Hoop Loop. I drilled two small holes at start and finish; these hold the wires well enough, with a bit of tape on both sides. I have taped a number of places around the hoop too. The turns tend to be displaced somewhat as the outer hoop is placed over the inner hoop, but generally stay separated. I used a length of TV 300 ohm twin lead to connect the loop to the transformer and radio.

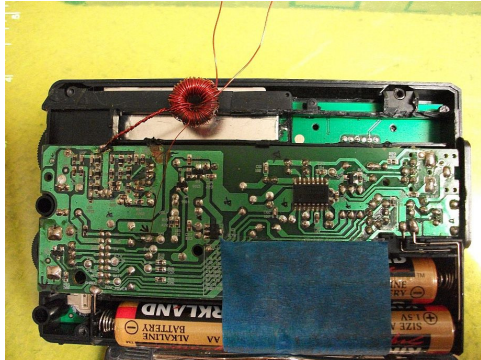
For the receiver, I used my PL 380 that had already had its stock loopstick removed and more of the plastic framework removed, so the radio was all ready for more experiments. To figure out how many turns would be needed for my secondary winding (the one connected to the radio), I used the handy inductance calculator software that can be downloaded at http://www.dl5swb.de/html/mini_ring_core_calculator.htm. Following Scott Willingham's recommendation of 500 μH to start with, the calculator showed 85 turns of #32 wire on an FT50-61 toroid would work. The length calculator was a little short for the amount of wire needed, but I'd added 8" extra. That was fortunate, since I only had 2" of pigtailed left after winding 85 turns (using a homemade wooden bobbin). Maybe my particular core was a little fatter than the nominal diameter used in the program. That 85 turns measured



516 μH --not bad for a nominal +/-20% core permeability variation for ferrite cores.

Trying various turns ratios and resultant parallel inductance gave 24 turns for a nominal 539 μH for my 43 μH loop, for a parallel inductance of 259 μH --that seemed to be the magic combination that should be sure to resonate over the whole MW band with the SiLabs chip in the PL380. Winding a 12 turn bifilar winding on the core and connecting it to the loop, then measuring the actual inductance gave 276 μH . Close enough, and it should work with the radio.

I installed the transformer in the PL 380, sitting in the space the original loopstick was, with short leads to the PCB. The primary's bifilar center-tap and the secondary ground lead were lightly twisted together and soldered to the same ground spot (note that this is "RF ground", the area marked "RF



Gnd" on the printed circuit board, and is not the same as the headphone ground). The picture shows the MW Hoop Loop transformer installed, in my experimental non-permanent type setup. The transformer will fit in the space where the loopstick was and I can just tape the rear cover in place with the primary wires coming out between the covers. This is about the shortest secondary hot wire arrangement, and it's still over 2 inches long. It's known that the "hot" wire to the board will pick up signal, so if the transformer were put even farther away in the upper right corner (viewed from the rear as in this photo), perhaps it would be wise to use RG174 coaxial cable to shield it if you

have strong locals. The extra capacitance of the coax might be a concern when tuning the top end of the band however.

With the loop attached to the transformer, all was well when I finally turned the radio on, with good signals from top to bottom of the band. Nulling wasn't that great in my downstairs crowded bedroom with a workbench piled with test equipment and a large metal heater duct in the ceiling. I found I had to tilt the loop almost 45 degrees, then nulling was superb! Apparently all that metal really skews signals here in the bedroom. (This was all on nighttime reception tests just a little while ago.) I live in a rural area and the closest MW station is 20 miles away, 1450 KLBM, which is 1 kW in the daytime, and reduces power at night--usually I can hardly hear it at all at night in the jumble of stations on 1450. So I can't do urban strong-signal type tests here.

I then tested my good beginner's luck and built an LF version of the Hoop Loop. I started with a larger FT140-61 toroid and after I got that working, I wound a second transformer on a smaller FT114-61. There's quite a size and especially weight difference between them. The larger one had quite a bit of unwound core left; the smaller one is filled about 3/4, and the smaller one is easier to work with due to less size and weight. About 16 feet of wire is needed for the secondary, and use of a homemade wooden bobbin makes winding manageable, though not exactly fun. The secondary winding has 180 turns of #30 enamel wire on the smaller FT114-61 core with 14 center-tapped turns for the primary. Tuning range is 165-810 kHz and loop and transformer together measure about 1750 μH on the aade.com LC meter.

I used the same 23" diameter loop with 5 spaced turns as before when I wound the AMBC transformer. A daytime check outside pulled in 9 NDBs, the most I've ever received during daytime on a portable radio with internal or small external loop antenna.

Finally, I used a previously built 6-foot square PVC frame as a two turn "hoop loop", along with the LF transformer. That heard me the "RL" beacon in Red Lake, Ontario, as well as more daytime NDBs. But I think it's too large to really be practical as a single-tuned antenna with the DSP varactor, and there was some bleedthrough from AM BCB stations even in my rural area. You're probably better off coupling a separate tuned loop to the PL380 like Gary DeBock's external loops do. I think the large loop is overwhelming the varactor part of the DSP chip with its single tuned circuit and not working as well as a double tuned circuit such as provided by Gary's loops.

A final note, if you install or remove a transformer or loopstick, use a proper procedure for removing and installing the wires. For removal, remove the hot wire before removing the ground wire. For

installation, install the ground wire before installing the hot wire. There apparently have been isolated cases where the DSP chip AM Input has been zapped and destroyed by static charges associated with touching the AM Input pin without a ground path through the loopstick or transformer being in place first. One should also be sure to touch something grounded and not move around while attaching the hot lead. The chip is supposed to be robust and survive such things and so far I haven't had any problems for the times I've forgotten to have the ground lead of loopstick or transformer in place first, but I always try to have the ground lead soldered first. (Or removed last when working with a loopstick.)



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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