

DXN News

• Serving DX'ers since 1933 •

Volume 76, No. 9 • November 24, 2008 • (ISSN 0737-1659)



Inside ...

- | | |
|-----------------|--------------------------------------|
| 2 ...AM Switch | |
| 4 ...DDXD | 22 ...2008 Ultralight MW DX Contests |
| 11 ...IDXN | 25 ...E100 Four Variant Shootout |
| 20 ...Target DX | 30 ...College Sports Networks |



From the Publisher ... Here's wishing you and yours a most thankful Thanksgiving holiday!

MWDX Chat ... From Gary Wilt: "You are invited to chat on the #mwdx channel of Starchat! Your moderators are Bill Harms in Maryland, Barry McLarnon & David Ross both of Ontario Canada.

"To use the chat, you must first download and install an IRC chat client. These are available at many places on the Internet. We suggest you do a simple Google search for IRC Chat client. For PCs, we recommend the mIRC software; for Macs, IRCle. Once the software has been installed, start it. It will ask you to choose a server for chat. You'll want the Starchat server. It doesn't matter which Starchat server you choose, but it's best to choose the one that's located closest to you. A list of Starchat servers can be found here: <http://www.starchat.net/servers.htm> or at <http://www.mirc.com/>.

"You will also need to choose a nickname for chatting. Your nick can be up to 8 characters long. There's no special formula for the name. Choose a name that best suits you. The name doesn't have to be the same from one session to the next. You can change the nickname on-line, if you prefer.

"Once you're logged onto the chat server, (which may take a few minutes; it can be a slow process depending on the number of users logged in), the system will log you on and ask which channel you want to go to. You don't need to get an entire list of all available channels, unless you want one, (there's over 20,000 channels!) . The channel you will be using for BCB chat is #mwdx. Enter this when asked - and no, it's not case sensitive.

"Some ground rules to follow: When chatting, it's best to use common sense & basic good manners. Most importantly: No foul or obscene language will be tolerated. Keep in mind, this is for fun. Let's share tips about the DX-ing hobby, not trade insults!

"This chat is open to ALL mediumwave (BCB) DX'ers. Have more questions about chatting? If you're on-line, go to #mwdx or #swl on Starchat and ask Bill Harms, Barry McLarnon or David Ross.

Welcome to these new members ... Ron Ashley, Paris, TN; Tom Baldwin, Santa Ynez, CA; Joe Craver, Mount Morris, PA; John Demmitt, Somerset, PA (Rejoins); Lawrence Edelstein, Spring Hill, FL; Werner Funkenhauser, Sebring, FL; James Tedford, Bothell, WA (Rejoins); Richard Townzen, Glen Carbon, IL; John C Hart, San Francisco, CA (Rejoins); James Herkimer, Pennellville, NY; John Mosman, Madison, WI; Russell Murphy, Harrisburg, PA; Kelly Wintin, Charlotte, NC.

Unfilled positions ... We're still in need of volunteers for the following positions: a DXN publisher, ASAP; replacement editors for languished columns ("DX'er's Notebook", "The Answerman" and "Memory Dredging"), and one or more persons to edit future NRC publications developed by contributors or the club. You can always contribute loggings to your favorite DX columns, too; Musings to that column; and of course status updates to "AM Switch" or to "Formats", both of which will end up in the next edition of the *NRC AM Radio Log*. If you're not sure in what are your talents lie, shoot a note to Wayne Heinen and let him know what you can do for your club. Thanks!

DXN Publishing Schedule, Volume 76

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

DX Time Machine

From the pages of DX News

25 years ago ... from the November 28, 1983 DXN: Gary Mitchell, Fairfield, CT, was taking offers for his his HQ-160.

10 years ago ... from the November 23, 1998 DXN: Ten DX tests were scheduled for this week ... the *Washington Post's* Charlie Bryant penned a nostalgic BCB DX article entitled "Taking a Trip Riding the Skip."



AM

Switch

Bill Hale w_r_hale@sbcglobal.net
6124 Roaring Springs Drive
North Richland Hills, TX 76180-5552



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

CALL LETTER CHANGES

	<u>Old Call</u>			<u>New Call</u>
590	KPZA	AR	Hot Springs	KZHS
1040	WQBB	TN	Powell	WKTI
1400	WJQQ	NC	Jacksonville	WSTK
1530	KNBO	TX	New Boston	KLBW
1580	WPGC	MD	Morningside	WHFS

CPs ON THE AIR

960	WSVU	FL	North Palm Beach - CP for U4 1200/1400 is on.
970	WAMD	MD	Aberdeen - CP for U3 300/500 is on the air.
1020	KCKN	NM	Roswell - CP for U4 50000/50000 is on, changing the daytime pattern to a more 'standard' configuration of a figure-8 with lobes to the southeast and northwest.
1140	WRMQ	FL	Orlando - CP for U1 5000/8 is on, adding night operation.
1230	KXO	CA	El Centro - CP for U1 830/1000 is on the air.
1390	WEGP	ME	Presque Island - CO for U2 25000/10000 is on.
1480	WQOH	AL	Irondale - CP for U1 5000/28 is on, adding night operation.

CPs TESTING

1550	WIGN	TN	Bristol - Has been heard announcing they "were now on with 35,000 Watts", but the FCC database shows no Program Test Authority or License to Cover at our deadline. Their CP is for U1 35000/6, increasing their daytime power by 7-fold.
------	------	----	---

NEW STATIONS ON THE AIR

1450	KWES	NM	Ruidoso - New station is on the air with U1 1000/910 at N33-19-34 W105-40-14, sharing the new tower of co-owned KBUY-1360.
------	------	----	--

ACTIONS

840	CFCW	AB	Camrose - CP granted to relocate here with U4 50000/40000, moving from 790, pending the moves of CKKY-830 and CKBA-850 to FM.
1090	WCAR	MI	Livonia - CP granted for U4 1000/800.
1120	KLIM	CO	Black Forest - CP granted for U4 17500/3, adding night service and moving from Limon. Their new three tower array at N38-50-21 W103-51-28 throws the bulk of the signal to the west, with small lobes to the NNE and SSE.
1150	WRUN	NY	New Hartford - CP granted for U4 4000/370, changing the CoL from Utica. The new day pattern will send a major lobe to the southeast with a smaller lobe to the northwest, while the new night pattern's major lobe will be to the northwest with a small lobe headed southeast. In addition to these changes, WRUN will only utilize 4 of the current 5 towers at their site for both day and night operation. WRUN is one of only a few AM stations licensed with no designated 'main studio' location, as it is operated as a satellite of WAMC-1400 Albany.
1150	KXMG	OR	Portland - Licensed for U4 5000/47, KXMG had a CP for U5 10000/10. This action modifies the CP to U1 5000/10.
1180	KYES	MN	Rockville - New station, not yet on the air, has specified a new transmitter location of N45-21-43 W94-17-57 for its CP of U2 50000/5000 CH 8000.
1510	WLGN	OH	Logan - Coordinate correction to N39-31-43 W82-23-06.

APPLICATIONS

980	WJYK	VA	Chase City - Applies for U1 1000/26 CH 1000, adding night and CH.
1550	CBE	ON	Windsor - Applies to move to 97.5 MHz with 3.2 kW at 130.1 meters with a second transmitter at Leamington, Ontario on 91.5 MHz with 6.1 kW at 58.7 meters. This will replace the never- implemented nested FM relay on

102.3 MHz. CBE will go silent after the usual three month simulcast period. Excluding a few 40-watt low power relay transmitters, this is the last (assuming that CBI will also actually move) English language CBC station on AM between Manitoba and Newfoundland.

AMENDMENTS TO APPLICATIONS

- 1050 KLOH MN Pipestone - Licensed for U4 9380/432, KLOH requests a modification of their application for U4 9380/420 to U4 9380/410.
- 1220 WSRQ FL Sarasota - Licensed for U4 1000/159, WSRQ requests a modification of their application for U4 2000/240 to U4 1000/39.
- 1310 NEW CA Bakersfield - Application modification requested from U4 250/250 to U4 1400/2500.
- 1360 KBUY NM Ruidoso - Licensed for U1 5000/199, KBUY requests a modification of their application for U1 9000/201 to U1 5000/201 at their new tower location of N33-19-34 W105-40-14, sharing the tower with co-owned KBUY-1360.
- 1420 NEW NM Rowe - Modifies their application for a new station from U2 1000/250 to U1 2500/140.

APPLICATIONS FOR NEW STATIONS

- 700 NEW AB Calgary - Applies for (we assume at least) U2 50000/30000 taking the place of the old CKRD Red Deer frequency. This is basically a re-application for a station on the same frequency that was denied by the CRTC a few years ago.
- 960 NEW ON Markham - Applies for U1 1000/175.
- 1350 NEW ON Scarborough - Applies for U1 1000/87 (the old CKLB/CKAR/CKDO Oshawa frequency).

AM-to-FM MIGRATION

- 1020 CKVH* AB High Prairie - Applies to move to 93.5 MHz with 25 kw at 65.9 metres.
- 1230 CJNL BC Merrit - Applies to move to 101.1 MHz with 200 Watts at 601.4 metres. Under a separate application, 1230 would remain on the air as U1 1000/1000 as a relay of CHNL-610 along with the current CHNL-1 on 1400 in Clearwater.
- 1310 CHLW* AB Saint Paul - Applies to move to 97.7 MHz with 6 kw at 122.6 metres.
[* Note: Together with other recent applications by Alberta stations to move to FM, once these stations leave Medium Wave, the only Alberta AM stations left outside the Edmonton and Calgary markets will be CKYL-610 in Peace River (plus a few 40 watt CBC low power relays)]

DISMISSALS

- 980 KKMS MN Richfield - CP for U3 3500/3500 and APP for U4 5000/5000 relocating to Eagan are deleted. KKMS remains U3 5000/5000.
- 1530 WRPM MS Poplarville - Licensed for D1 10000/0 CH 1000, WRPM holds a CP for D4 5000/0 CH 5000 moving to 1170 kHz. They applied for D1 1000/0 on 1170 which has been dismissed, leaving the CP. Whether or not they have acted on the CP is unknown.

LICENSE CANCELLATIONS/CALL LETTERS DELETED

- 590 CKRS QC Jonquiere - Off the air; migrated to FM.
- 600 CKBD BC Vancouver - Has flown the coop to 100.5 MHz. Their Adult Standards format has been adopted by CISL-650.
- 1340 CKDR-5 ON Red Lake - New FM has taken over.

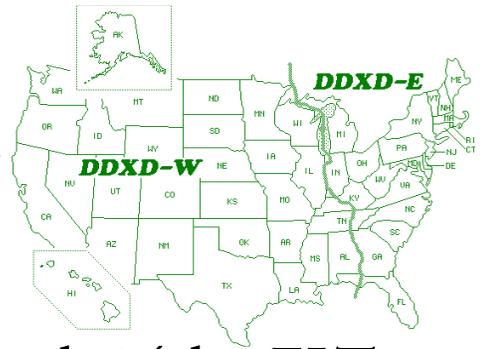
HEAR AND THAR

- ☐ Returning to the airwaves: WSCP-1070 Sandy Creek-Pulaski, New York with refurbished transmitter/tower and new microwave equipment to relay other station. Relays WTKW 99.5 in Bridgeport, NY. Only full ID is on the hour and is "WTKW 99.5 Bridgeport/Syracuse, WTKV 105.5 Oswego - and AM 1070 Northern Oswego County." Never a mention of Sandy Creek or Pulaski.
- ☐ But reported as OFF: WVZN-1580 Columbia, Pennsylvania.
- ☐ FINES: \$3000 to WDOU-1440 Dowagiac, Michigan (and their FM station) for failure to file for renewal in a timely manner.
- ☐ Here's wishing all our U.S. readership a Happy Thanksgiving this week.
- ☐ Thanks to Shawn Axelrod, Ken Chatterton, Bill Dvorak, Wayne Heinen, and Deane McIntyre.

Domestic DX Digest

West: Bill Dvorak westlogs@aol.com (Division line
3358 Ridgeway Ave. - Madison, WI 53704-4327 is between East
and Central time
zones)

East: Mike Brooker aum108@idirect.com
99 Wychcrest Ave - Toronto, Ontario M6G 3X8 CANADA



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

DDXD-West

FROM THE VAST WESTLAND

- ▲ By now I hope that all of you have had a chance to read **John Malicky's** chronicle of "Pittsburgh 2008," the 75th anniversary NRC convention hosted by John over the Labor Day weekend (see last week's *DXN*). John did an amazing job of weaving together activities involving radio, Pittsburgh and sports into a very entertaining weekend. On Saturday morning these three facets came together beautifully at the Heinz History Center, with its "Pittsburgh 250" history exhibits, two floors dedicated to sports, and the special tour given us by Westinghouse historian Ed Reis. Westinghouse, of course, played a big part in radio's development, with engineer Frank Conrad's experiments in his garage leading to the formation of KDKA. During our tour we saw KDKA's first transmitter (reconstructed) and heard a (reenacted) recording of the first KDKA program, the Harding-Cox Presidential election coverage of 1920. Recently while surfing the internet, I came across an audio feature on this period of Westinghouse history entitled "Conrad's Garage." This item is an archived NPR segment from 11/30/01, part of the "All Things Considered" series "Lost and Found." Much more on Conrad, the first transmitter and the beginning of KDKA is included in this segment, and best of all so is a short excerpt from that Harding-Cox recreation-- great stuff! For those interested, the link to the "Conrad's Garage" audio file can be found at <http://www.npr.org/programs/Infsound/stories/011130.garage.html>.
 - ▲ **Dale Park** checks in with loggings from a recent West Coast US swing. Among the things Dale heard was the historic moment when KFRC-FM 106.9 San Francisco began simulcasting all news KCBS 740. You can read Dale's report in "Station News" below.
 - ▲ The cover date of this *DXN* tells us it is Thanksgiving week. May you all have a blessed and enjoyable Holiday! If you are going to overindulge, make sure it is on DX-- it is much healthier that way.
- 73 Bill**

Reporters

- DP-HI** Dale Park, Honolulu. Sangean ATS-818CS, Terk AM1000 loop.
DP-HI* Dale Park, DXing in East Honolulu. Honda car radio.
DP-CA1 Dale Park, DXing in San Mateo. ATS-818CS barefoot.
DP-CA2 Dale Park, DXing in Cordelia. ATS-818CS barefoot.
DP-CA3 Dale Park, DXing in Bay Area. Honda CR-V radio.
DP-WA Dale Park, DXing at Sea-Tac Airport. ATS-818CS barefoot.
GH-IL Greg Harris, Park Forest. Icom R75 / Quantum Loop.
JJR-WI John J. Rieger, South Milwaukee. Icom IC-R75, Kiwa loop, MFJ-959B tuner-preamp.
JT-AZ John Tucker KG7RS, Mesa. RFspace SDR-IQ running on Dell Latitude E5400 Laptop, 10/50/10' EWE pointed northeast.
JW-CO John Wilkins, Wheat Ridge. Drake R-8, 4-foot loop.
NK-WI Neil Kazaross, DXing in Grafton. Drake R8A, phased BOG System at 35 degrees. 446 ft // 312 ft.
WH-CO Wayne Heinen, Aurora. Drake R8B, E/W Flag, N/S Flag, Dual TG-1 Termination Gizmo w/2- DX Engineering RPA-1 preamps and Mini DXP5.
Ed.-WI Your editor, Madison. Drake R8B, Quantum QX Pro loop.

Station News

- 560 KLZ CO Denver. 11/10 1100.** "AM 560 KLZ The Light" to "IRN/USA Radio news." It has been noted by a few reporters to the LOG that these two networks are now combined. (WH-CO)
740 KCBS CA San Francisco. 10/27 1011. All-news format, promos for simulcast on 106.9 FM beginning at 7:40 am (PST). At 1039 co-host Stan Bunger said relay would begin in 29 seconds, then dead air, then liner "The Clarity of FM, the Power of

AM, the Universal Reach of Online...the Worldwide Resources of CBS News... Now KCBS News Where You Want It...1-Oh-6-9...", then Bunger saying nonchalantly "Well, welcome to FM 1-Oh-6-9, and let's get back to doing what we do here at KCBS"; 7:41 time check and back to news. ToH ID as "What's happening and why, KCBS AM and HD, KFRC-FM and HD-1, San Francisco, Oakland, San Jose." More interesting run-up on KFRC-FM at 1011-1040. Per Radio-Info.com, KFRC's oldies format, which had bounced around from 610 to 99.7, took a break, then reappeared on 106.9, now gets dumped onto 106.9's HD-2 channel. Thanks to Bay Area Radio Digest at www.sfradiomuseum.com/blog for filling in the blanks. **(DP-CA2)**

- 740 KVVOR CO **Colorado Springs. 11/7 2300.** Out of Mark Levin. "Colorado's KVVOR, Colorado's KVVOR-HD Colorado Springs, AM 740 and kvor.com, depend on it!" to ABC news. A change from CBS news. **(WH-CO)**
- 930 KSEI ID **Pocatello.** See 1230 below. **(Ed-WI)**
- 1230 KRXX ID **Rexburg. 11/6 0500.** "ESPN Radio for all of East Idaho is on AM 930 KSEI Pocatello and AM 1230 KRXX Rexburg." This pair is no longer Fox Sports Radio. **(WH-CO)**
- 1490 KQTY TX **Borger. 10/26 0400.** "AM 1490 KQTY Borger, Texas" to CBS news. This is a change from ABC. **(WH-CO)** (Win some, lose some-- see 740 above. **Ed.-WI)**

Presumed, Tentative, UnID

- 590 KUGNt OR **Eugene. 10/27 0018.** Tentative. Replay of Bob Brinker, mentioning his "Moneytalk listeners" to guest. Matches schedule on KUGN website. Poor; over/under possible KTHO CA. **(DP-CA2)**
- 790 KWSWt CA **Eureka. 10/27 1020.** Ad for gutter-cleaning service, ad for restaurant "in Eureka," bit of Stevie Wonder's 'Boogie on Reggae Woman," ad supporting Proposition 8 which would ban same-sex marriage in California. Poor; over/under KABC CA, QRM from KCBC 770 HD carrier. **(DP-CA2)**
- 920 UNID **10/27 0308.** "Best of Sean Hannity" with usual anti-Obama monologue. No sign of Catholic KIHM NV. KVEC CA? Poor in null of KVIN CA (which as usual used liner "This is The Vine, 9-20...with America's Best Music"), underneath KNEW 910 HD carrier. **(DP-CA2)**
- 950 UNID **10/27 0305.** SS program with male and female announcers. No sign of KKGW 960's HD carrier which was on earlier tonight. Good; het QRM. Also heard before sunrise 10/27. **(DP-CA2)**
- 960 UNID **10/27 1957.** C&W music over/under KKGW CA and CFAC AB running Monday Night Football. Heard in the mix mentions of Columbia Tire Store and waste management program. KLAD OR? Heard in Fairfield. **(DP-CA3)**
- 1690 UNID **11/3 0008.** Soft urban contemporary gospel music before lost to QRN. KFSG CA? Very poor. **(DP-HI*)**
- 1700 UNID **11/5 0123.** Mamas and Papas' "Monday Monday" before diving under XEPE with election coverage. KVNS TX? Poor. **(DP-HI*)**

Regular DX Loggings (times in ELT)

- 550 KFYZ ND **Bismarck. 11/8 2320.** "Sunday on AM 550 KFYZ" by male announcer. Briefly strong signal then faded. New. **(GH-IL)**
- 580 WTCM MI **Traverse City. 11/9 1808.** "Newstalk 580 WTCM" by male announcer. Weak in WILL null. New. **(GH-IL)**
- 580 WIBW KS **Topeka. 11/6 0707.** Poor; calls, weather in with others. **(JJR-WI)**
- 620 KPOJ OR **Portland. 10/27 0130.** Northwest Radio News Network newscast, Weather Channel weather, promo for election, PSAs; back to "Best of This Is America with Jon Eliot" "on Portland's Progressive Talk Station, AM 6-20 KPOJ and 6-20-KPOJ-Dot-Com." Fair; over/under tentative KTAR AZ. **(DP-CA2)**
- 620 WZON ME **Bangor. 11/7 2132.** Poor to fair through local WTMJ phase null, using USB to get away from Canaries 621 het. HSF game with the Calais-Woodland Silverados vs. Bucksport. Ads mentioned a brewer, and two IDs. New !! ME #4 **(NK-WI)**
- 710 KIRO WA **Seattle. 10/28 2001.** Noted in passing with national and local news, new liner "Newstalk 97-3 Cairo FM," ad, traffic and weather, newscaster Tony Minor tossing back to "Don and Ron Show" at 2004. Heard in South Terminal. **(DP-WA)**

710	KCMO	MO	Kansas City. 11/7 0605. "Newstalk 710 KCMO weather..." up briefly with KNUS phased. (WH-CO)
740	KRMG	OK	Tulsa. 11/8 0106. Ending area weather. "Tulsa's number one news, weather and traffic station, NewsTalk 740 KRMG, depend on it." (WH-CO)
750	KHWG	NV	Fallon. 11/8 2200. Out of traditional country. "You're listening to AM 750 KHWG Fallon, serving..." and a long list of towns. (WH-CO)
750	CKJH	SK	Melfort. 11/8 2201. "You're listening to SHL Hockey on CK-750" mixing with KHWG. (WH-CO)
750	WSB	GA	Atlanta. 11/9 0100. Full legal ID way up over KHWG and CKJH, to WSB local news. All possible with KKZN 760 IBOC off! (WH-CO)
750	KMMJ	NE	Grand Island. 11/9 0704. After SRN news "...KMMJ AM 750 Grand Island, Nebraska" to religious programming. (WH-CO)
760	WJR	MI	Detroit. 11/10 0000. "From the Golden Tower of the Fisher Building this is the Great One of the Great Lakes, NewsTalk 760..." "WJR Detroit" jingle to ABC news. Excellent with KKZN phased and running no IBOC. (WH-CO)
790	KURM	AR	Rogers. 11/9 1815. Local advertisement with 479 area code. Fair. New. (GH-IL)
800	WVAL	MN	Sauk Rapids. 11/12 0844. C&W vocal piece, then "Here on WVAL" by male announcer. Weak in WKZI/CKLW null. New. (GH-IL)
840	KMPH	CA	Modesto. 10/27 0115. WOR Network's "Best of Joey Reynolds," which corrects my unID from Honolulu of several months ago. Fair. (DP-CA2)
860	KTRB	CA	San Francisco. 11/3 0021. "David Lawrence Show" with guest British actress Emma Moore; network ads, PSA, promo for Stanford play-by-play "on AM 8-60 KTRB"; back to show where Lawrence mentioned his flagship station is KTRB "in San Francisco, the 50,000-watt flamethrower." Fair to Poor; QRM from KHLO 850. (DP-HI*)
890	KQLX	ND	Lisbon. 11/11 0841. Poor but steady in WLS null. Plenty of North Dakota "Bison" mentions, North Dakota temperatures, calls at 0845. (JJR-WI)
930	CJCA	AB	Edmonton. 11/8 0701. Religious vocals; man with nice ID at 0702:40: "This is AM 930 the Light. CJCA Edmonton is owned and operated by Touch Canada Broadcasting," then back to music. Generally fair with occasional good peaks; heard several times this week around this time. (JW-CO)
940	KMER	WY	Kemmerer. 11/9 2300. Clear ID at ToH: "You're listening to southwest Wyoming's AM 940 KMER Kemmerer" into ABC news. Fair; 150 watt signal with co-channel CJGX. New WY! (JT-AZ)
970	KESP	CA	Modesto. 10/27 1124. Traffic report sponsored by Jiffy Lube, promo for football picks contest "on ESPN 9-70," ad for Bill Berryhill for California State Assembly, OnStar ad. Poor; in null of KKGX 960 HD carrier, heavy QRM. (DP-CA2)
970	KCFO	OK	Tulsa. 11/10 0759. Partially readable legal ID just before ToH, then "Insight for Living" program. Fair, mixing with KBUL and others. (JW-CO)
1000	WLNL	NY	Horseheads. 11/7 1643. Fair well atop phased WMVP with sign-off during religious-oriented stuff. Was noted as early as 1610. Used USB to avoid TA het from 999. Rare. (NK-WI)
1020	KCKN	NM	Roswell. 10/27 0242. Ad for State Farm agent in Roswell, announcement "KCKN is pleased to present..." before diving under KTNQ CA, then back up with promo "...in the Western US, KCKN," Oak Ridge Boys' "Elvira," announcement "...here on KCKN." Poor; ripply background QRM. Also heard in car south of Cordelia 10/27 2020 ELT. (DP-CA2)
1080	KWAI	HI	Honolulu. 10/22 0722. Noted off the air (as well as KKEA 1420). UnID with George Noory plus two other stations, one talk and one music. Both KWAI and KKEA back on at 0830 recheck. (DP-HI)
1100	WZFG	MN	Dilworth. 11/12 0730. Song "Boogie Woogie Santa," followed by CST time check and "AM 1100 The Flag" slogan. In and out (mostly out) over the next half-hour with hosts Paul and Shelley chit-chatting; references to Fargo; FM/ AM legal ID at 0759:55 as follows: "...KEGK Wahpeton-Fargo-Moorhead, and AM 1100 WZFG Dilworth-Fargo-Moorhead," followed by ??? (covered by KNZZ). Signal is of fair strength on peaks but hampered by QRM from KNZZ (only partially nullable) and a couple of other stations on 1100, as well as IBOC hash from KFAB 1110. New here, MN #57. (JW-CO)
1100	KDRY	TX	Alamo Heights. 11/13 0818. Heard "AM 1100 KDRY, K-dry" punching through

- the heavy QRM. Have not heard this one in a few years. **(JW-CO)**
- 1160 KSL UT Salt Lake City. 10/24 0949. Area weather from the "KSL Weather Center," mention of "traffic and weather every 10 minutes," promo about KSL being "crystal clear on 1-Oh-2-Point-7 FM." Fair to good. **(DP-CA1)**
- 1220 KDOW CA Palo Alto. 10/27 1534. Promo for Moe Ansari's "Market Wrap...on 12-20 KDOW," back to "Phil's Gang" on the Off The Wall Street Radio Network. Last heard in May as news-talk KNTS. Heard in Fairfield. Good. **(DP-CA3)**
- 1230 KLVT TX Levelland. 11/5 2200. Briefly in with ID "KLVT Levelland" to news. **(WH-CO)**
- 1230 KVOC WY Casper. 11/5 2300. "ESPN Radio AM 1230 KVOC Casper" to ESPN programming. **(WH-CO)**
- 1230 KDIX ND Dickinson. 11/6 0758. "...North Dakota's ag leader, AM 1230 KDIX" to nostalgia music. New for me and taped! **(WH-CO)**
- 1240 KLIK MO Jefferson City. 11/10 0700. Very poor, steady and weak. "NewsTalk 1240 KLIK Jefferson City" into ABC news. NEW! 1240 #27, MO #81. **(JJR-WI)**
- 1280 KWSX CA Stockton. 10/27 0255. Thrash metal music, ad for Signature Levis jeans at Wal-Mart; ID "KMRQ Manteca-Modesto, KWSX...broadcasting in High Definition (sic) Stereo, 96-7 The Rock Station," more active rock. Last heard relaying KFIV 1360 last year. Fair. **(DP-CA2)**
- 1310 KOKX IA Keokuk. 11/11 0836. Poor. "Keokukradio.com," traffic. In over WIBA. **(JJR-WI)**
- 1320 KWHN AR Fort Smith. 11/12 0659. Insurance ad, then KWHN / KYHN dual ID, followed by ABC news at ToH. Fair in QRM. **(JW-CO)**
- 1330 KCKM TX Monahans. 11/9 0100. Ending religious program with break-in announcement: "West Texas Powerhouse KCKM Monahans," followed by "KCKN Roswell, KCKM Monahans, New Mexico's Powerhouse" at end of program into "In Time Messenger" program at ToH. Good signal in the clear, but a bit optimistic-- 1 kW Powerhouse? **(JT-AZ)** (There may be only 1000 of them, John, but we are talking Texas watts here-- after all, *everything* is bigger in Texas! **Ed.-WI)**
- 1330 KNSS KS Wichita. 11/11 0826. Poor. Calls said two times over others. **(JJR-WI)**
- 1350 KWMO MO Washington. 11/8 1935. "1350 KWMO." Fair. **(GH-IL)**
- 1350 KDZA CO Pueblo. 11/9 0100. Musical jingle ID at ToH: "All oldies all the time, KDZA" into Beach Boys "Barbara Ann." Good signal and recent callsign and format change. New CO! **(JT-AZ)**
- 1360 KBKB IA Fort Madison. 11/6 0700. Fair; "Country Legends 1360," legal ID, news. Not heard in a while. **(JJR-WI)**
- 1360 KSCJ IA Sioux City. 11/11 0825. Poor. Local sports, local ads. No calls heard. **(JJR-WI)**
- 1430 KVVN CA Santa Clara. 10/24 2030. Very soft original version of Eagles' "Hotel California," interrupted by dead air, then "Laura's Theme" at normal level, then woman in mid-sentence in probable Khmer via bad phone line. Heard in San Jose. **(DP-CA3)**
- 1470 WNYN NY Ithaca. 11/2 1603. Fair with local WBKV phased. "Your WNYN Finger Lakes forecast..." Lightly hetted by TWR 1467. New ! **(NK-WI)**
- 1480 WJBM IL Jerseyville. 11/6 0715. Very poor. Local mentions, calls into local ad. Rare. **(JJR-WI)**
- 1490 KZZN TX Littlefield. 10/26 0400. "...KZZN Littlefield..." to oldies." **(WH-CO)**
- 1510 WLRB IL Macomb. 11/12 2037. Poor to good in WLAC null, with nostalgia music and frequent call letter IDs (including in a promo for Paul Harvey). This station is a 1 kW daytimer (250 watt critical hours), on quite late this night. **(Ed.-WI)**
- 1550 WIGN TN Bristol. 11/11 0732. Poor but steady, way over others. "WIGN with 35000 watts..." religious programming. **(JJR-WI)** (From what the station announced, John's logging would indicate that their CP for U1 35000/6 is on. **Ed.-WI)**
- 1580 WHFS MD Morningside. 11/11 0729. Poor; PSA, tag "1580 the Big Talker" into talk show. No CKDO; dominant. **(JJR-WI)**
- TIS, HAR, Etc.
- 890 TIS CA Fairfield. 10/27 1814. New TIS from Travis Air Force Base. First noted as unID 10/27 0312 with what sounded like a radio drama underneath KDXU UT carrying "Coast to Coast AM"; poor. Then heard in full that afternoon with

long tape loop. Tape included ID as "AM 8-90 (bear roar), Golden Bear Radio, Travis Air Force Base"; PSAs for on-base organizations accepting Combined Federal Campaign contributions; mini-dialogue between two women about getting a mammogram; weekend activities calendar; and a message from the Chief Safety Officer for the 60th Air Mobility Wing about Halloween safety for children and adults, ending with "God bless." Heard in Fairfield and Cordelia, also audible in Vacaville, but did not check signal south of Cordelia. (DP-CA3)

1700 WPCC201 CA **Mountain View. 10/24 1941.** Tape loop of man with ID "This is WPCC-two-zero-one NASA Ames Research Center, Moffett Field, California," followed by tape hum. Heard in Mountain View. (DP-CA3)

DDXD-East

REPORTERS

HF-MARE **Harold Frodge, Michigan Area Radio Enthusiasts (MARE) DXpedition, Brighton - Drake R8B + 65' TTFD + 500' unterminated NE/SW beverage**
 HF-MI **Harold Frodge, Midland - Drake R8B + 210' center-fed RW, 85' end-fed RW, 125' bow-tie**
 DJ-PA **David Jansky, Sunbury - CCRadio, Radio Shack loop**
 KK-VA **Kraig Krist, Manassas - NRD-545, homemade 134 foot multiband antenna running NW to SE.**
 NW-MI **Niel Wolfish, MARE DXpedition, Brighton - Eton E-1, Radio West loop**
 NW-ON **Niel Wolfish, Toronto - Sony ICF2010**
 MKB-ON **Mike Brooker, Toronto - Grundig G5, Grundig YB-400PE, Sony SRF-39FP, Panasonic RF-2200 (receiver emeritus)**

UNIDs

740 - 11/8 1724 - Somebody under CFMZ-Toronto with talk about abortion election candidates. (NW-MI)
 880 - 11/7 1756 - came up abruptly for about a minute, covering the WMEQ/WCBS/CKLQ mix & disappeared abruptly; Kentucky sports & U of KY basketball promo; ad for Northern KY banking--Heritage Bank. (HF-MARE)
 1580 - 11/9 1706 - mixing with CKDO and WPGC, "This is politically correct with David Bender" talking about president-elect Obama. (KK-VA)

LOGGINGS

550 WDUN GA **Gainesville - 11/8 1938 - "Sports voice of North Georgia, WDUN" and "News-talk 5-50 WDUN" with ECHL hockey (Gwinnett Gladiators vs. Florida Everblades). Fair in WKRC null. (NW-MI) Niel also notes: I saw reported elsewhere (on the ABDX list) that they were still running daytime power at this time.**
 560 WMIK KY **Middlesboro - 11/9 0000 - ID with slogan "the home for the very best in Southern gospel music". Mixing with WJLS-Beckley and WIND-Chicago. (NW-MI)**
 580 WTCM MI **Traverse City - 11/7 1621 - in null of CKWW Windsor with Sean Hannity and ID. CFRA-Ottawa also in there. (NW-MI)**
 640 WGST GA **Atlanta - 11/8 2231 - in mess with ID, mention of "Star 640" and Fox News Radio stuff. (NW-MI)**
 720 WGCR NC **Pisgah Forest- 11/8 1714 - Over top of WOR's IBOC noise and WGN-Chicago with ID and announcements regarding Veterans Day. (NW-MI)**
 780 WWOL NC **Forest City - 11/8 1711* - Over top of WBBM-Chicago with Southern gospel music and sign off featuring a choir singing "My Country 'Tis Of Thee". (NW-MI)**
 840 WVPO PA **Stroudsburg - 11/3 1253 - very good signal with ID in the middle of a call-in show. Very little fading. "Voice of the Poconos" at 1258 with ID again into CNN news. A long way for a 250 watter. (DJ-PA)**
 860 KKOW KS **Pittsburg - 11/8 1755 - In CJBC null with C&W music, ID and CBS news at 1800. (NW-MI)**
 KNUJ MN **New Ulm - 11/7 2126 - In CJBC null with ID during break in high school football. (NW-MI)**
 880 CKLQ MB **Brandon - 11/7 1748 - C&W music and promo for CKX-TV news, mixing with WCBS and WMEQ. (HF-MARE) (NW-MI)**

- WMEQ WI Menomonie** – 11/7 1734 - Garage Logic sports program, Clear Channel Eau Claire, South Dakota promo, Menomonie spots; ad for Marshfield Clinic. On top for 10 minutes, then mixing w/CKLQ & WCBS. **(HF-MARE)**
 +++ 11/7 1742 – mixing with WCBS and CKLQ. Commercials for Marshfield Clinic and South Dakota Governor’s Office of Economic Development. **(NW-MI)**
- 890 WBAJ SC Blythewood** – 11/8 1655 – Woman with ID and slogan “We Broadcast About Jesus” into “Amazing Facts” broadcast. Mixing with WLS and another station with gospel (WKNV?). **(NW-MI)**
- 950 CFAM MB Altona** – 11/6 0438 – presumed the one here with classical music in mess with Radio Reloj, WYWY, WIBX, WROC and WWJ (nobody dominating). **(NW-ON)**
- WVTS WV Charleston** - 11/6 0900 - TOH ID in pulsing signal, sometimes very good. “950 WVTS Charleston talk radio” into news. **(DJ-PA)**
- 990 WNTW PA Somerset** – 11/10 0734 – over CKGM and usual Rochester Bible-thumper with local weather, “WNTJ morning magazine news time is 7:34” into local sports (Steelers, Penguins, Penn State). //WNTJ-1490, QSLed as WVSC in 1980. **(MKB-ON)**
- 1130 WBBR NY New York** – 11/12 1633 - Bloomberg News; Drive-Time traffic on the 5’s. Good over Sports Radio 11-30 WDFN. **(HF-MI)**
- 1290 CFRW MB Winnipeg** – 11/7 2109 – Oldies by The Fifth Dimension and Lesley Gore, ID and promo for “Financially Speaking” program and mention of event at Fort Garry Hotel. Fair with WHIO-Dayton **(NW-MI)**
- 1320 WFHR WI Wisconsin Rapids** – 11/12 1700 - Just caught ID, “WFHR Central Wisconsin’s...” just before news jumble. **(HF-MI)**
- WJAS PA Pittsburgh** – 11/12 1638 - Caught “13-20 WJAS” during local news in a rare peak o/More Compelling Talk Radio WILS.Presume they were the one running nostalgia music before ToH. **(HF-MI)**
- 1330 WHBL WI Sheboygan** – 11/10 0755 – over ESPN sports talker (likely Erie, PA pest) with Bloomberg Market Minute, “at 6:55, here’s what’s happening around Sheboygan” into listing of local events. **(MKB-ON)**
- 1370 WSHV VA South Hill VA** - 11/10 1828 – Gospel music and IDs as “the all new Hallelujah 1370”. **(NW-ON)**
- 1460 WKDV VA Manassas** – 11/8 2350 – Dominating frequency with “La Caliente” IDs and Mexican music. **(NW-MI)**
- 1470 WBTX VA Broadway-Timberville** – 11/10 1659* - weather forecast followed by ID “1470 WBTX Broadway-Timberville-Harrisonburg” into sign-off. Signal poor but at 1659 became very clear. How often does that happen? **(DJ-PA)**
- 1540 KXEL IA Waterloo** - 11/13 1659 - mixing with station playing oldies, another with gospel, a Chinese speaking station and WSMI, with “The Bruce Williams Show weeknights at 6 on news, talk fifteen forty KXEL” and ToH ID: “The Voice of the Cedar Valley. News, talk fifteen forty KXEL Waterloo, Cedar Falls” into news. Shawn Handley Show (conservative talk) at 1706. **(KK-VA)**
- WSMI IL Litchfield** - 11/13 1734 – in mix with KXEL, oldies, ethnic and gospel stations, caught “WSMI... WSMI broadcasts...”. **(KK-VA)**
- 1550 WKBA VA Vinton** - 11/12 1700 - mixing with CBE, ToH ID as “WKBA Vinton, Roanoke” into “Living Safe” religious program. **(KK-VA)**
- CBE ON Windsor** - 11/12 1723 - Call in on Remembrance Day, woman giving contact information “255-3538” “1-866-812-3624” e-mail crosstown@windsor.cbc.ca, 1724 “Fun Fact Checker” with the story behind political pets, 1730 chime, “This is CBC news and information. It’s 5:30. I’m Tom... latest from CBC news”. **(KK-VA)**
- 1560 WQEW NY New York** - 11/11 1655 - Radio Disney. Children, songs, “AM fifteen sixty Radio Disney” mixing with Gospel type singing. Other than “Radio Disney” never did hear an ID. **(KK-VA)**
- 1570 WPTW OH Piqua** – 11/8 1748 – Beatles oldie and ID by man, mentioning a “greatest hits weekend”. **(NW-MI)**
- WPGM VA Danville** - 11/10 1659 – ToH ID “You’re listening to WPGM...” into AP Radio news, at 1702 “Good afternoon. I’m Charlie Flank with a look at local and state news update. It’s 5 oh 2, Mission Network news following local news. **(KK-VA)**
- 1580 WPGC MD Morningside** – 11/8 1520 – Maryland Lottery commercial, ID as “WPGC 95

point 5" into urban music. (*second-last day of this format, as they have apparently switched to talk*). (NW-MI)

+++ - 11/9 1658 - mixing with CKDO and another station with talk, ID as "WPGC 95 point 5". (KK-VA)

CKDO ON Oshawa - 11/9 1715 - oldies in mix with WPGC, slogan "Ultimate oldies one oh seven point seven FM, fifteen eighty CKDO", Oshawa Generals hockey pre-game show at 1754. (KK-VA)

1590 WAKR OH Akron - 11/8 1700 - playing oldies in mix with ESPN Radio, ToH ID: "... fifteen ninety WAKR... it's 5 o'clock. (KK-VA)

1600 WKKX WV Wheeling - 11/7 1655 - mixing with station playing oldies and another station with gospel singing and preaching, with sports talk about the Pittsburgh Steelers, ID as "We are sixteen hundred WKKX... watchdog... sports", slogan "...sixteen hundred WKKX The valley's new watchdog..." noted at 1648. (KK-VA)

1640 WTNI MS Biloxi - 11/7 1605 - ABC news, ID and promo for Laura Ingraham program. Mixing with WKSH-Sussex. (NW-MI)

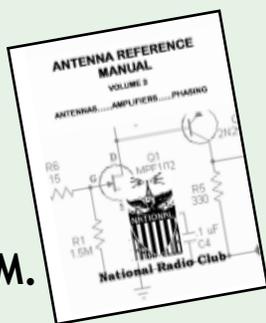
1660 KXTR KS Kansas City - 11/7 1752 - Commercial for Briarcliff Village, promo for KXTR.com and classical music. Strong over top of WQLR-Kalamazoo. (NW-MI)

1690 CJLO QC Montreal - 11/10 1859 - through partially nulled CHTO with "CJLO Community Magazine" program, listing of upcoming events at Concordia University, mentioned calendar@cjlo.com e-mail. (MKB-ON)

1700 KBGG IA Des Moines - 11/10 0826 - over CHTO-1690 slop with slogan "1700 the Champ, Des Moines sports center" into talk on Iowa Hawkeyes football. (MKB-ON)

WEUP AL Huntsville - 11/8 1415 - ID in between gospel songs. Strong over top of KBGG-Des Moines. (NW-MI)

Antenna Reference Manual, Volume 3



A compilation of 17 articles on antennas, phasing impedance matching, and RF amplification for medium wave DX'ers, some of the articles were published in *DX News* between 1999 and 2004. 8 1/2" X 11" bound book format. NRC member price: \$11.95; non-member price \$16.95; overseas customers, please contact us for exact price. Canadian orders: PayPal or postal O. only. Order from NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)

The County Cross Reference

What a time-saver! A complete list of counties, parishes, and similar political divisions in the U. S. and Canada. Two lists are included: alpha by county, and by state. Compiled by Bill Hale and designed and produced by Wayne and Joan Heinen. \$8.95 for members, \$11.95, non-member; overseas surface mail, add \$4.00 for first copy; \$.64 for each add'l copy/ For airmail, add \$8.00 for each 3 or fraction of 3. Order "CCR" from NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)

Member of the National Radio Club
DX News and DX Audio Service
Largest MW Radio Organization Established 1933

Official NRC Stationery
Professionally-printed with a new design ...
just what you need for those verie requests
or for any correspondence. Sold in 100-sheet
packs for \$5.00. Order "STA" from NRC Publi-
cations - P.O. Box 473251, Aurora CO - 80047-
3251. (CO residents, please add 3.5% sales
tax.)

International DX Digest

Bruce Conti nrcidxd@aol.com
46 Ridgefield Drive
Nashua, NH 03062-1174

Foreign DX Catches. All times are UTC

Preliminary report from the Newfoundland DXpedition via Jim Renfrew: "One good tip to offer is Tajikistan on 972, VOA's *R.Aap Ki Dunyaa* broadcast to Pakistan. Noted with a pre-sign-on announcement at 0050 with contact info for VOA, then on with VOA ID and Yankee Doodle signature at 0100. All in Urdu language, as far as I know. Listed as 500 kW from Orzu. Other highlights: New Saudis, Iranians on the air. China and India easily heard on 1521 and 1566. Nigeria easily heard on 917. Tentative *R.Piratininga*, 250 watts, on the newly liberated 1070 kHz channel (CBA no more). Saul had quite a run to the west yesterday morning with KNX, KSL, KOMO, CKWX, and a bunch of prairies stuff. I managed to get Vancouver and 1190 Saskatchewan. Chuck is busily banking SDR spectrum grabs that will keep him busy for the rest of the year reviewing them at home." - Jim Renfrew, with Chuck Hutton and Saul Chernos, at Cappahayden NL.

Transatlantic DX

- 153 **ALGERIA** *Chaîne 1*, Béchar (31°38'N 2°18'W) NOV 10 0033 - Man and woman in Arabic - Good over weaker *Deutschlandfunk* Germany. [Black-MA]
- 153 **GERMANY** *Deutschlandfunk*, Donebach (49°34'N 9°11'E) NOV 10 0033 - Parallel 207, man in German, then music. Poor-fair under Algeria. [Black-MA]
- 171 **MOROCCO** *R.Medi Un*, Nador (35°03'N 2°55'W) NOV 7 0112 - Man in Arabic with Arabic rap music! Fair, parallel 9575 kHz. [Frodge-MI]
- 531 **SPAIN** *RNE5* synchros OCT 8 2300 - Parallel 585 with *R.Nacional de España* ID; fair, quite echoey. OCT 29 2225 - Parallel 576 and 603 (but not 585, 621, 684) with spooky Halloween music; then woman in Spanish; poor. [Connelly-MA] NOV 3 2346 - Spanish talk; moderate signal fairly consistent and repeats the following few evenings. New. [Chernos-ON]
- 549 **ALGERIA** *Chaîne 1*, Les Trembles (35°17'N 0°34'W) OCT 8 2256 - March-like group Arabic vocal and drumming; to good peak. OCT 9 0048 - Modern rock style male Arabic vocal; to fair peak on "barefoot" E100. [Connelly-MA]
- 558 **SPAIN** *RNE5* synchros OCT 8 2256 - Parallel 585 with discussion; through WGAN slop. [Connelly-MA] NOV 3 2139 - Spanish talk; very weak on LSB. New. [Chernos-ON]
- 567 **SPAIN** *RNE5* synchros OCT 8 2301 - Parallel 585 with news by man and woman; poor to fair. [Connelly-MA]
- 576 **CANARY ISLANDS // SPAIN** *RNE5* synchros OCT 9 0042 - Parallel 585 with woman in Spanish; fair. [Connelly-MA]
- 585 **SPAIN** *RNE1* Madrid (40°28'N 3°52'W) OCT 9 0042 - Parallel 576 with woman in Spanish; good. [Connelly-MA] NOV 3 2145 - Spanish talk; moderate signal at times but rapid fading on LSB and tough with bad interference from 580-590. New. [Chernos-ON]
- 594 **PORTUGAL** *R.Sim*, Muge (39°05'N 8°41'W) OCT 8 2258 - Woman in Portuguese; good, over 595 het and the chatter from 590 VOXM and WEZE. OCT 9 0039 - Portuguese talk; good, even noted (in slop) on "barefoot" E100. OCT 29 2233 - Portuguese duet vocal; fair. [Connelly-MA]
- 594 **SAUDI ARABIA** *BSKSA* Duba OCT 8 2254 - Koranic male vocal, not parallel to Morocco (612); mixed with Portugal. [Connelly-MA]
- 595 **MOROCCO** Oujda OCT 8 2258 - Presumed this with het against 594 Portugal that was strong (but audio was somewhere between faint and non-existent). [Connelly-MA]
- 603 **FRANCE** *France Info*, Lyon-Tramoyes (45°53'N 4°57'E) OCT 8 2254 - Parallel 711 with woman in French; under Madeira and Spain. OCT 9 0038 - French jazz vocal; over Spain, good on "barefoot" E100! [Connelly-MA]
- 603 **MADEIRA** *Centro Regional RDP*, Pico de Arieiro OCT 8 2254 - Emotional male operatic vocal with orchestra sounded parallel 666 Portugal; briefly a bit over Spain and France. [Connelly-MA]
- 603 **SPAIN** *RNE5* synchros OCT 8 2301 - Parallel 585 with news; now dominant. OCT 9 0038 - Spanish talk; under France. [Connelly-MA]
- 612 **MOROCCO** *RTM A*, Sebaa-Aioun (33°54'N 5°23'W) OCT 8 2302 - Arabic news by man; fair to good. OCT 9 0036 - Man in Arabic; getting by CHNC slop on "barefoot" E100. [Connelly-MA]
- 612 **SPAIN** *RNE1* Lérida and Vitoria OCT 8 2254 - Parallel 585 with Spanish talk; mixed with

- Morocco. OCT 29 2226 - Parallel 684 with man and woman in Spanish; dominant. [Connelly-MA]
- 621 **CANARY ISLANDS // SPAIN** *RNE1* synchros, Santa Cruz de Tenerife et al. OCT 8 2230 - Parallel 639, 657, and 684 with *R.Nacional de España* ID, music fanfare. 2256 talk mentioning Valencia; excellent. OCT 9 0035 - Spanish talk. 2216 parallel 684 with political talk mentioning Washington; over WZAN slop. [Connelly-MA] NOV 2 2258 - Spanish talk; weak but stable on USB. [Chernos-ON]
- 630 **PORTUGAL** *RDP* synchros OCT 29 2217 - Parallel 720 with piano music; behind WPRO. [Connelly-MA]
- 630 **TUNISIA** *ERTT* Tunis OCT 8 2255 - Arabic vocal and strings; under WPRO and CHLT. [Connelly-MA]
- 639 **SPAIN** *RNE1* La Coruña et al. OCT 8 2230 - Parallel 621, 657, and 684 with *R.Nacional de España* ID, music fanfare; fair to good. OCT 29 2218 - Spanish parallel 774; fair over CBN slop. [Connelly-MA]
- 648 **SPAIN** *RNE1* Badajoz (38°53'N 6°58'W) OCT 8 2256 - Parallel 585 with two men in Spanish; poor. [Connelly-MA]
- 657 **ITALY** *Rai Radiouno* synchros OCT 29 2214 - Woman in Italian; poor to fair, dominant. [Connelly-MA]
- 657 **SPAIN** *RNE5* Madrid (40°28'N 3°52'W) OCT 8 2230 - Parallel 621, 639, and 684 with *R.Nacional de España* ID; poor to fair, with second station that was likely Italy. [Connelly-MA]
- 666 **PORTUGAL** *RDP1* synchros OCT 8 2230 - Parallel 720 with plaintive Portuguese vocal; fair. 2302 parallel 720 with news by man in Portuguese; poor, in slop. [Connelly-MA]
- 675 **LIBYA** *Libyan Jamahiriya*, Benghazi (32°54'N 20°04'E) OCT 8 2259 - Man in Arabic; fair over Netherlands and WRKO slop. [Connelly-MA]
- 675 **NETHERLANDS** *R.Maria*, Lopik (52°01'N 5°03'E) OCT 8 2228 - Religious choral music with piano accompaniment; good. 2259 religious music, *R.Maria* ID; under Libya. OCT 9 0033 - Light classical orchestral music; good. [Connelly-MA]
- 684 **SPAIN** *RNE1* Sevilla (37°12'N 5°55'W) OCT 8 2300 - Parallel 585 with news by woman; good. OCT 9 0032 - Fast man and woman talk, apparently drama; occasionally getting through WRKO slop on "barefoot" Etón E100. OCT 29 2215 - Parallel 774 with Spanish talk about government; fair to good. [Connelly-MA]
- 693 **UNITED KINGDOM** *BBC Radio 5*, Droitwich et al. OCT 8 2230 - Two men in English; through CINF slop. OCT 29 2215 - Sports talk with two men; fair, some synchro echo. [Connelly-MA]
- 702 unID OCT 8 2230 - Male Arabic vocal, no ID material; to good peak. [Connelly-MA]
- 711 **FRANCE** *France Info*, Rennes (47°51'N 1°30'W) OCT 8 2227 - Woman in French; fair over Western Sahara growl. [Connelly-MA]
- 720 **CANARY ISLANDS** *RNE5* Finca España OCT 8 2300 - Parallel 684 with news by man and woman in Spanish; fair, over Portugal and Venezuela. [Connelly-MA]
- 720 **PORTUGAL** *RDP1* synchros OCT 8 2230 - Parallel 666 with plaintive Portuguese vocal; good / dominant over Canaries, Brazil, and Venezuela. 2302 parallel 666 with news by man in Portuguese; momentarily over Canaries and Venezuela. [Connelly-MA]
- 729 **SPAIN** *RNE1* synchros OCT 29 2217 - Parallel 738 and 774 with Spanish talk by man and woman; fair, echoey. [Connelly-MA]
- 738 **SPAIN** *RNE1* Barcelona (41°23'N 2°12'E) OCT 8 2230 - Spanish newstalk/teletalk; through CHCM slop. [Connelly-MA]
- 747 **CANARY ISLANDS // SPAIN** *RNE5* synchros OCT 8 2228 - Parallel 684 with Spanish news; briefly dominant. [Connelly-MA]
- 747 **NETHERLANDS** *Radio 5*, Flevoland (52°23'N 5°25'E) OCT 8 2230 - Mellow pop-soul vocal; good, over *RNE*. OCT 9 0029 - Offbeat folk music; over *RNE*, on "barefoot" E100. OCT 29 2216 - Jazzy vocal, Dutch talk. [Connelly-MA]
- 756 **GERMANY** *Deutschlandfunk*, Braunschweig & Ravensburg OCT 8 2230 - Man and woman in German; to good peak. OCT 9 0027 - Classical music; on "barefoot" E100. OCT 29 2214 - German talk about auto racing, engine noises in background; good. [Connelly-MA]
- 756 **SPAIN** *R.Euskadi*, Ganguren OCT 8 2227 - Spanish talk; under Germany. [Connelly-MA]
- 765 **SWITZERLAND** *RSR Option Musique*, Sottens (46°39'N 6°44'E) OCT 8 2227 - Disco French vocal; loud. OCT 9 0026 - Old-fashioned French male vocal; on E100. [Connelly-MA]
- 774 **EGYPT** *Middle East Radio*, Abis (30°45'N 30°57'E) OCT 29 2215 - Arabic talk; over Spain. [Connelly-MA]
- 774 **SPAIN** *RNE1* synchros OCT 8 2230 - *R.Nacional de España* ID; over others and very echoey. [Connelly-MA]

- 783 **MAURITANIA** *R.Mauritanie*, Nouakchott (18°07'N 15°57'W) OCT 8 2229 - Woman in Arabic; over low growl (about 200 Hz) likely from the Syrian. OCT 9 0024 - Arabic vocal and plucked strings; on E100. OCT 29 2217 - Rustic blues-like North African music; loud. [Connelly-MA]
- 792 **FRANCE** *France Info*, Limoges (45°56'N 1°10'E) OCT 8 2227 - Parallel 711 with woman in French; good. OCT 9 0022 - Parallel 1206 with man in French; on E100. [Connelly-MA]
- 792 **SPAIN** *SER* Sevilla OCT 8 2227 - Man in Spanish; way under France. [Connelly-MA]
- 801 **SPAIN** *RNE1* synchros OCT 8 2227 - Parallel 639 with Spanish talk; poor. [Connelly-MA]
- 819 unID (Egypt or Morocco) OCT 8 2235 - Arabic group vocal with orchestra, no ID material, 5 Hz SAH. [Connelly-MA]
- 828 **GERMANY** *NDR Info*, Hannover, OCT 29 2238 - Tentative. German sounding talk by woman; poor in WCRN slop. [Connelly-MA]
- 828 unID OCT 8 2235 - Arabic-sounding talk in WCRN slop. [Connelly-MA]
- 837 **AZORES** *RDP 1*, Pico da Barrosa OCT 29 2238 - Apparent Portuguese talk by man; over fast-fire *COPE* Spanish, France (which would be parallel 945) not noted. [Connelly-MA]
- 837 **CANARY ISLANDS // SPAIN** *COPE* synchros OCT 8 2233 - Parallel 882 with man in Spanish; good / dominant. [Connelly-MA]
- 837 **FRANCE** *France Info*, Nancy (48°53'N 6°14'E) OCT 8 2234 - Woman in French, music; starting to compete with *COPE*. OCT 9 0021 - Parallel 1206 with woman in French; on E100. [Connelly-MA]
- 846 **IRELAND** *R.North*, Redcastle OCT 8 2232 - English talk, country-style religious music; poor in WEEI slop. [Connelly-MA]
- 855 **ROMANIA** *România Actualități*, Bucuresti (44°28'N 26°06'E) OCT 29 2200 - ID "Aici Bucuresti;" mixed with Spain. OCT 29 2237 - Parallel 909 with female folk vocal. [Connelly-MA]
- 855 **SPAIN** *RNE1* synchros OCT 8 2234 - Very echoey fast Spanish talk by man; fair. 2306 *R.Nacional de España* ID; over Romania. [Connelly-MA]
- 864 **EGYPT** *ERTU* Santah (30°45'N 31°08'E) OCT 8 2306 - Koranic male a cappella vocal; over France. [Connelly-MA]
- 864 **FRANCE** *France Bleu*, Villebon-sur-Yvette (48°41'N 2°14'E) OCT 8 2232 - "Please Forgive Me" by Bryan Adams; good. 2304 French talk, then "A Whiter Shade of Pale" by Procol Harum from '67; to good peak. [Connelly-MA]
- 864 **SPAIN** *RNE1* Socuellamos OCT 8 2235 - Parallel 855 with Spanish talk; noted briefly under France. [Connelly-MA]
- 873 **GERMANY** *AFN* Frankfurt OCT 8 2303-2307 - Oldies show under Spain: Peter Frampton "Baby I Love Your Ways," US announcer, then Tommy James & the Shondells "I Think We're Alone Now." OCT 29 2236 - US news mentioning "conspiracy charges" and "leftist political leader;" over Spain. [Connelly-MA]
- 873 **SPAIN** *SER* synchros OCT 8 2233 - Two men in Spanish talking about voters and candidates; loud. OCT 9 0018 - Boxy-audio Spanish talk; on E100. [Connelly-MA]
- 882 **CANARY ISLANDS // SPAIN** *COPE* synchros OCT 8 2233 - Parallel 837 with Spanish talk; under UK. [Connelly-MA]
- 882 **UNITED KINGDOM** *BBC R.Wales*, Washford (51°10'N 3°21'W) OCT 8 2235 - Slow version of Tracy Ullman song "They Don't Know;" occasionally over *COPE*. OCT 9 0016 - Talk about Iran, chemical weapons; pushing by WCBS slop on "barefoot" Eton E100. OCT 29 2238 - "Ain't That a Shame" by Fats Domino, then English talk; over *COPE*. [Connelly-MA]
- 882 unID OCT 8 2303 - Koranic chant under *BBC* and *COPE* talkers. Tunisia and Egypt listed, neither with much power. [Connelly-MA]
- 891 **ALGERIA** *Chaîne 1*, Algiers (36°40'N 3°09'E) OCT 8 2232 - Energetic female Arabic vocal; tinny audio but huge signal, peaking 25 dB (!) higher than 890 WAMG on the laptop display from the SDR-IQ. OCT 29 2238 - Female Arabic vocal; light audio on strong carrier. [Connelly-MA]
- 900 **ITALY** *Rai Radiouno*, Milano OCT 8 2233 - Woman in Italian; over CKDH. [Connelly-MA]
- 900 **SPAIN** *COPE* synchros OCT 29 2237 - Parallel 837 with fast Spanish; over pile. [Connelly-MA]
- 909 **ROMANIA** *România Actualități*, Jucu OCT 29 2237 - Parallel 855 with folkish female vocal with Alpine and country influences; under UK. [Connelly-MA]
- 909 **UNITED KINGDOM** *BBC Radio 5 Live* synchros OCT 8 2233 - Two men talking about government recovery plans, notable quote, "At the end of the day, 500 billion is quite a lot of money." Excellent, stronger than 910 WABI. 2307 good with "an Olympics authority has told Five Live that the 2012 London Olympics athletic village may run short of funds." OCT 9 0015 - BBC talkshow; alternating with 910 WABI on "barefoot" Eton E100. OCT 29 2156

- Football match with Arsenal team, 4-4 final score; to good peak. [Connelly-MA]
- 917 **NIGERIA** *R.Gotel, Yola* OCT 8 2216 - Talk by man and screamer het against 918 Spain. 2232 bits of talk, African music; poor. Used LSB and 1.8 kHz filter. OCT 29 2238 - Bluesy female vocal; poor. [Connelly-MA]
- 918 **SLOVENIA** *R.Slovenia, Domzale* OCT 29 2305 - Slavic talk by man, *R.Slovenia* ID; to good peak over Spain. [Connelly-MA]
- 918 **SPAIN** *R.Intercontinental, Madrid* OCT 8 2234 - '80s era arena-rock power ballad; to good peak. [Connelly-MA]
- 927 **BELGIUM** *VRT Radio Een, Wolvertem (50°59'N 4°18'E)* OCT 29 2157 - "One of Us" by Joan Osborne, then Dutch talk; to good peak past WGIN and CFBC splatter. OCT 29 2131 - Pop-dance music; to good peak. [Connelly-MA]
- 936 **MOROCCO** *RTM A, Agadir (30°20'N 9°31'W)* OCT 29 2239 - Arabic music; in jumble. 2307 Arabic music; slightly over mess. [Connelly-MA]
- 945 **FRANCE** *France Info, Toulouse (43°21'N 1°20'E)* OCT 8 2235 - Parallel 837 with woman in French; to good peak. OCT 9 0013 - French female vocal; good "barefoot" on the Eton E100 since the only main interference source (940 CINW) was at a right angle and easily nullable. [Connelly-MA]
- 954 **CZECH REPUBLIC** *Cesky Rozhlas, Brno* OCT 29 2303 - Czech talk, music fanfare between news items that was the same as on station website; dominant. [Connelly-MA]
- 954 **QATAR** *QBS Al Arish* OCT 29 2155 - Woman in Arabic; over (!) Spain. 2200 reverberated Arabic news by man; slugging it out with Spain. [Connelly-MA]
- 954 **SPAIN** *Onda Cero, Madrid* OCT 8 2232 - Sport-related Spanish telephone interview, "copa" mentions, some laughing; very good. OCT 9 0011 - Lively Spanish discussion, "tambien" said numerous times; on "barefoot" Eton E100. [Connelly-MA]
- 963 **SPAIN** *R.Euskadi, Vitoria* OCT 8 2233 - Spanish talk; slightly over jumble. OCT 29 2202 - Spanish newstalk; dominant. [Connelly-MA]
- 972 **GERMANY** *NDR Info, Hamburg (53°31'N 10°07'E)* OCT 29 2303 - Man in German; in bad WZAN slop. [Connelly-MA]
- 972 **LIBYA** *Libyan Jamahiriya, Sirte* OCT 8 2233 - Arabic vocal, then talk by woman; in heavy WZAN slop. [Connelly-MA]
- 981 **ALGERIA** *RTVA Chaîne 2, Algiers (36°40'N 3°09'E)* OCT 8 2232 - African-accented French teletalk. OCT 29 2130 - Arabic male vocal, talk. 2155 Arabic music; loud. OCT 29 2201 - Two men with Arabic news, emphasis music "stingers" between items; good. [Connelly-MA]
- 981 **IRELAND** *R.Star Country, Emmyvale* OCT 29 2246 - English talk briefly breaking atop Algeria, likely this. [Connelly-MA]
- 990 **SPAIN** *SER synchros* OCT 29 2157-2159 - Parallel 873 with excited Spanish sportstalk with pronounced echo; peaking over CBY. [Connelly-MA]
- 999 **MOLDOVA** *Voice of Russia, Grigoriopol, Maiac (47°14'N 29°24'E)* OCT 8 2233 - Abba-like female vocal, Russian talk by man, Pravda mentions; dominant. OCT 29 2155 - Russian talk by man and woman; briefly over Spain. Atop again at 2202 UTC. [Connelly-MA]
- 999 **SAUDI ARABIA** *BSKSA R.Quran, Tabuk* OCT 8 2233- Moaning Arabic vocal; under Moldova. [Connelly-MA] NOV 10 0000 - Good, over Spain; Koranic recitations through the hour. [Conti-NH]
- 999 **SPAIN** *COPE Madrid (40°28'N 3°52'W)* OCT 8 2234 - Fast Spanish talk; now coming up over the Moldova and Saudi Arabia mix. OCT 9 0008 - Spanish talk over IBOC rubbish; on E100. OCT 29 2200 - Spanish scores, scores, COPE ID; over WINS IBOC hash. [Connelly-MA]
- 1008 **CANARY ISLANDS** *Punto Radio, Las Palmas* OCT 8 2234 - Non-SER Spanish teletalk. OCT 29 2153 - Atop Netherlands. 2305 *Punto Radio* ID; fair. [Connelly-MA]
- 1053.07 **LIBYA** *Libyan Jamahiriya, Tripoli (32°50'N 13°00'E)* OCT 29 2205 - Woman in Arabic; briefly over *TalkSport*. [Connelly-MA] NOV 9 2300 - Good; a capella Koranic vocal, then talk in Arabic through the hour. Off at 2350 leaving *TalkSport* in clear. [Conti-NH]
- 1053 **SPAIN** *COPE synchros* OCT 29 2247 - Fast Spanish talk; under UK. [Connelly-MA]
- 1053 **UNITED KINGDOM** *TalkSport synchros* OCT 8 2238 - Presenter gave number to call "08717 double 2 double 3 double 4," interview with New York doctor about cosmetic surgery; good, over Libya growl. OCT 9 0007 - Talk about foreclosures and "children being taken away from mum and dad;" on E100. OCT 29 2134 - Manchester United coverage parallel 1089. 2204 music from an Amstel beer advert, talk about Barclay's Premier League football; generally over Libya growl. [Connelly-MA] NOV 10 0000 - Good; promo, "...on DAB digital radio, 1089 and 1053 AM," and "From the Sky News Center, *TalkSport* News." [Conti-NH]
- 1062 **ITALY** *Rai Radiouno synchros* OCT 29 2206 - Reverbed or echoey Italian talk, possibly sports; poor. 2209 up to fair level with teletalk. 2245 woman in Italian, echo like a '50s sci-fi movie.

- [Connelly-MA] NOV 9 2250 - Good, with loud synchro echo; telephone talk in Italian, Frank Sinatra "New York, New York," then excited Italian talk. Test tones and off at 2300. [Conti-NH]
- 1062 unID NOV 9 2300-2400+ - Audio barely breaking the noise threshold after Italy signed off. Everything listed after 2300 is low power; Czech Republic, Poland, Serbia? NOV 14 0340 - Contemporary or jazz music, deep voiced announcer; again just barely above threshold at s4 level, not enough for readable audio. [Conti-NH]
- 1071 **SPAIN** *Euskadi Irratia*, Bilbao OCT 8 2241 - Parallel 1197 with Spanish female vocal; good. 2309 parallel 1161 with Spanish talk and train-whistle sound effect; over low growl about 200 Hz. [Connelly-MA] NOV 10 0003 - Good; end of news in brief, ID with program intro. [Conti-NH]
- 1071.2 unID OCT 29 2246 - Low het against Spain. [Connelly-MA]
- 1080 **SPAIN** *SER* synchros OCT 8 2238 - Parallel 1116 with fast Spanish talk, mention of "teléfono;" fair through WTIC. 2309 parallel 1116 with talk about "agua" (water); about even with WTIC at times. [Connelly-MA]
- 1088 **ANGOLA** *R.Nacional*, Mulenvos OCT 29 2132 - Apparent Portuguese teletalk, het against 1089 UK; poor. [Connelly-MA]
- 1089 **UNITED KINGDOM** *TalkSport* synchros OCT 8 2238 - Local-like with talk about cosmetic surgery, "boob jobs." 2310 parallel 1053 with man and woman talking about "Simpsons" cartoon on US TV; excellent. OCT 9 0006 - Talk about money, phone number starting with 08707; on E100. OCT 29 2210 - Discussion of Arsenal football match; good, over Angola het. [Connelly-MA]
- 1098 **SPAIN** *RNE5* synchros OCT 8 2242 - Parallel 1107 and 1125 with talk; strong, extremely echoey with delays up to a second for a chaotic sound. OCT 9 0004 - Parallel 1107 with news; on E100. [Connelly-MA]
- 1098.15 unID OCT 29 2135 - Someone a bit off-channel, probably one of the *RNE* synchros. [Connelly-MA]
- 1107 **SPAIN** *RNE5* synchros OCT 8 2242 - Parallel 1098 and 1125 with talk; some 1107.13 growl and echo. OCT 9 0004 - Parallel 1098 with news in Spanish; on E100. [Connelly-MA]
- 1107.13 **SPAIN** *RNE5* Caceres OCT 29 2133 - Off-channel *RNE* station peaking stronger than the pile on 1107.0 kHz. [Connelly-MA]
- 1116 **SPAIN** *SER* synchros OCT 8 2238 - Parallel 1080 with fast Spanish talk; good. OCT 9 0003 - Spanish news; on E100. [Connelly-MA]
- 1125 **BELGIUM** *RTBF VivaCité*, Houdeng (50°29'N 4°08'E) OCT 29 2132 - Man and woman in French; dominant over Spain. [Connelly-MA]
- 1125 **SPAIN** *RNE5* synchros OCT 8 2242 - Parallel 1098 and 1107 with Spanish talk; fair, some echo. [Connelly-MA] NOV 9 2300 - Fair, synchro echo; time marker and fanfare into news. [Conti-NH]
- 1134 **CROATIA** *Glas Hrvatske*, Zadar (44°06'N 15°15'E) OCT 8 2241 - Spanish service with news items of Croatia with '50s-type music "stinger" shots between items; loud, over Spain. OCT 9 0002 - Slavic news; on "barefoot" E100. [Connelly-MA] NOV 4 0013 - Croatian talk, weak but at times consistent in USB. Repeat NOV 6 0200. [Chernos-ON] NOV 9 2300 - Good; signature slow time pips, time check and ID with fanfare into news. [Conti-NH] NOV 15 0025 - Foreign language talk through 1130 WBBR splatter; on stock Etón E100. [Conti-MA]
- 1134 **SPAIN** *COPE* synchros OCT 8 2309 - Parallel 1143 with man in Spanish; slightly under Croatia. [Connelly-MA]
- 1143 **SPAIN** *COPE* synchros OCT 8 2238 - Parallel 1215 and 1224 with fast Spanish talk; fair. [Connelly-MA]
- 1152 **SPAIN** *RNE5* synchros OCT 8 2309 - Parallel 1098 and 1107 with Louis Armstrong "What a Wonderful World;" fair. OCT 9 0000 - Pips, *RNE* news; mixed with presumed Romania, on E100. [Connelly-MA]
- 1161 **SPAIN** *Euskadi Irratia*, San Sebastián OCT 8 2237 - Parallel 1071 with vocal; poor. 2309 parallel 1071 with Spanish talk and train-whistle sound effect; briefly over WSKW slop. [Connelly-MA]
- 1170 **UNITED ARAB EMIRATES** *R.Sawa*, Al Dhabiya (24°11'N 54°14'E) OCT 8 2237 - Mideast pop female vocal and orchestra; peaking over WFPB. 2331 female Arabic vocal; atop WWVA including on "barefoot" Etón E100. OCT 29 2245-2247 - Man in Arabic with Sawa ID, Arabic dance-music female vocal with drumming; over WWVA. [Connelly-MA]
- 1179 **CANARY ISLANDS** // **SPAIN** *SER* synchros OCT 8 2238 - Parallel 1116 with fast teletalk; to good peak. [Connelly-MA]
- 1179 **SPAIN** *SER R.Rioja*, Rioja OCT 8 2241 - Local "Radio Rioja" ID. [Connelly-MA]

- 1179 **SWEDEN** *R.Sweden International*, Sölvesborg (55°59'N 14°40'E) OCT 29 2210 - Swedish talk by two men; loud, over *SER*. 2243 woman in English talking about Internet social communities in Sweden and how they can work for human rights causes; fair over *SER*. [Connelly-MA]
- 1188 **MOROCCO** *RTM B*, Casablanca OCT 8 2309 - Rustic Arabic/Berber vocal and drumming. [Connelly-MA]
- 1196.7 **ANGOLA** *Emissora Provincial de Malanje*, Malanje OCT 29 2132 - Tentative; weak het. [Connelly-MA]
- 1197 **SPAIN** *Euskadi Irratia*, Vitoria OCT 8 2241 - Parallel 1071 with Spanish vocal; poor. 2312 Spanish parallel 1071; fair over IBOC hash. [Connelly-MA]
- 1197 **UNITED KINGDOM** *Absolute Radio* synchros OCT 29 2309 - Parallel 1215 with Bruce Springsteen "Born in the USA;" slightly over others. [Connelly-MA]
- 1206 **FRANCE** *France Info*, Bordeaux (44°57'N 0°11'W) OCT 8 2241 - Woman in French with several "football" mentions; good. 2358 whispering French DJ, romantic and nostalgic Piaf-style female vocal; coming in on "barefoot" Etón E100. [Connelly-MA]
- 1206 unID OCT 29 2247 - Mideast music; way under France. Noted again at 2312 UTC with shrieky Mideast female vocal. Iran or Israel suspected. [Connelly-MA]
- 1214.9 **ALBANIA** Fllakë (41°22'N 19°31'E) OCT 8 2159 - Chinese music to sign-off; atop UK with loud growl until carrier was cut. OCT 29 2209 - unID language talk by woman, bad growl against UK. [Connelly-MA]
- 1215 **SPAIN** *COPE* synchros OCT 8 2238 - Parallel 1143 and 1224 with Spanish talk; under UK. 2311 teletalk parallel 1143; now slightly over UK. [Connelly-MA]
- 1215 **UNITED KINGDOM** *Absolute Radio* synchros OCT 8 2237 - "Paradise City" by Guns N Roses, DJ talked about being a kid born in the late '70s and into Guns N Roses in the early '90s, then *Absolute Radio* ID; good, over Spain. 2309 '90s hit "A Girl Like You" by Edwyn Collins, promo for Christian O'Connell breakfast show this morning at 6; good, over Spain. 2333 "Keep On Loving You" by REO Speedwagon. 2357 "Radio Ga-Ga" by Queen; good on "barefoot" Etón E100. OCT 29 2205 - Slogan "Absolute Radio, Discover Real Music," snippets of several songs; loud, over Spain and Albania. [Connelly-MA]
- 1224 **BULGARIA** *R.Bulgaria*, Vidin OCT 29 2204 - Slavic talk by woman, piano jazz version of Stevie Wonder's "Isn't She Lovely." Slavic talk by man at 2210 UTC. [Connelly-MA]
- 1224 **ISRAEL** *Galei Zahal*, Beersheba OCT 29 2158 - Talk and music seemed parallel 6973, but in jumble and tentative at best. [Connelly-MA]
- 1224 **SPAIN** *COPE* synchros OCT 8 2238 - Parallel 1143 and 1215 with Spanish talk; mixed with unID. [Connelly-MA]
- 1242 **FRANCE** *France Info*, Marseille (43°16'N 5°18'E) OCT 8 2238 - Parallel 1206 with woman in French; poor. OCT 29 2209 - Parallel 1206 with mention of president, *Le Monde* newspaper; poor over *WBUR* slop. [Connelly-MA]
- 1251 **LIBYA** *Libyan Jamahiriya*, Tripoli (32°50'N 13°00'E) OCT 29 2249 - Arabic music; poor in IBOC hash. [Connelly-MA] Hash on 1251 would be from 1240, likely *WBUR-HD*.
- 1269 **GERMANY** *Deutschlandfunk*, Neumünster (54°03'N 9°51'E) OCT 8 2245 - Parallel 1422 with classical music; poor. [Connelly-MA]
- 1278 **IRAN** *IRIB 1*, Kermanshah OCT 29 2252 - Koranic chant; poor. [Connelly-MA]
- 1287 **SPAIN** *SER* synchros OCT 29 2137 - Spanish sporting event; to fair peak. [Connelly-MA]
- 1296 **SPAIN** *COPE* Valencia OCT 8 2336 - Spanish talk; over UK, on E100. OCT 29 2137 - Mentions of "Real Madrid" team; good. [Connelly-MA]
- 1296 **UNITED KINGDOM** *Radio XL*, Langley Mill (52°33'N 1°46'W) OCT 8 2243 - Accented English talk on Indian food market advert, then Indian disco / techno-dance music including rapping. [Connelly-MA]
- 1305 **SPAIN** *RNE5* synchros OCT 8 2336 - Parallel 1314 with woman in Spanish; good, on E100. [Connelly-MA]
- 1314 **SPAIN** *RNE5* synchros OCT 8 2336 - Parallel 1305 with woman in Spanish; fair, on E100. 2355 some Spanish teletalk making it on "barefoot" E100. [Connelly-MA]
- 1323 **GERMANY** *VOR* Wachenbrunn (50°29'N 10°30'E) OCT 29 2137 - Man in French, then piano music; loud. 2140 French ID "La Voix Russe," chimes like old R.Moscow; to good peak. [Connelly-MA]
- 1323 unID OCT 29 2252 - UK-accented English talk; fair. Either Cyprus or a UK local. [Connelly-MA]
- 1332 **IRAN** *R.Tehran*, Tehran OCT 29 2250 - Female Mideast vocal; fair. [Connelly-MA]
- 1332 **ROMANIA** *România Actualități*, Galati (45°25'N 27°54'E) OCT 8 2322 - Romanian talk, pop music; over other station that sounded like Iran. 2355 romantic vocal and gypsy violin; on E100. [Connelly-MA]

- 1341 **NORTHERN IRELAND** *BBC Radio Ulster*, Lisnagarvey (54°30'N 6°04'W) OCT 8 2243 - Celtic folk vocal; over others. [Connelly-MA]
- 1359 **SPAIN** *RNE Arganda del Rey* (40°18'N 3°25'W) OCT 8 2244 - Parallel 1305 and 1314 with man in Spanish; fair. [Connelly-MA]
- 1359 **UNITED KINGDOM** unID OCT 29 2136 - Man said "ready to change your life;" briefly popping up over Spain. [Connelly-MA]
- 1377 **ARMENIA** *R.Sodruzhestvo*, Gavar NOV 14 2357 - Presume this with a woman singing a song much like an Arabian tune, then what sounded like bells or possible church organ till 0000 and sign off. In weak to fair at times and not parallel France Info on 1557 kHz. France being off per Saul in Newfoundland. [Barstow-MA]
- 1377 **FRANCE** *France Info*, Lille (50°31'N 2°59'E) OCT 8 2243 - Woman in French; through WMYF slop. 2338 classical music; good, on E100. [Connelly-MA]
- 1386.2 unID OCT 28 2249 - Carrier getting shredded by 1380 WMYF and 1390 WEGP/WPLM. Has Guinea drifted to here? [Connelly-MA]
- 1394.62 **ALBANIA** *TWR Fllakë* (41°22'N 19°31'E) OCT 29 2138 - Slavic-sounding male talk, rustic folk music; to good peak over unID IBOC hash. [Connelly-MA] NOV 9 2135 - Good; speaker in presumed Polish, contemporary Christian vocal, 2145 one cycle of *TWR* interval signal and off. [Conti-NH]
- 1404 **FRANCE** *France Info* synchros OCT 29 2250 - Parallel 1377 with French talk; poor to fair. [Connelly-MA]
- 1413 **SPAIN** *RNE5* synchros OCT 8 2352 - Spanish talk; over other and WVAE IBOC; on E100. [Connelly-MA]
- 1422 **ALGERIA** *R.Algérienne*, Algiers (36°40'N 3°09'E) OCT 8 2341 - French rap music; under Germany, on E100. [Connelly-MA] NOV 9 2240 - Good, over Germany; talk in French parallel 252 kHz. [Conti-NH]
- 1422 **GERMANY** *Deutschlandfunk*, Heusweiler (49°21'N 6°55'E) OCT 8 2245 - Parallel 1269 with classical music then (at 2249) woman in German; fair. 2341 classical music; good, over Algeria, on E100. [Connelly-MA]
- 1431 **DJIBOUTI** *R.Sawa*, Arta (11°31'N 42°50'E) OCT 8 2243 - Shrill Arabic female vocal and drumming, *R.Sawa* ID; fair. OCT 9 0054 - Pop Mideast male vocal; fair. OCT 29 2250 - *R.Sawa* ID, US kid-pop vocal; good. [Connelly-MA]
- 1431 **GERMANY** *Voice of Russia*, Wilsdruff NOV 9 2220 - Over *R.Sawa* Djibouti; classical opera vocal. [Conti-NH]
- 1440 **LUXEMBOURG** *RTL Radio*, Marnach OCT 8 2251 - CRI variety program "China Drive" in English; huge, way over WJAE. OCT 29 2148 - French program beating up WJAE. 2258 CRI relay with Chinese-English language lessons; local-like! [Connelly-MA]
- 1449 **LIBYA** *Voice of Greater Arab Homeland*, Misurata (32°46'N 15°05'E) OCT 29 2151 - Woman in Arabic; through WNBP slop. 2255 Arabic flute music, talk. [Connelly-MA]
- 1457.58 **ALBANIA** *Fllakë* (41°22'N 19°31'E) OCT 29 2146 - Slavic sounding talk (Polish listed); hetting 1458 UK. 2300 - Pips, talk mentioning Tirana, music interval; fair. [Connelly-MA] NOV 9 2150 - Loud het against presumed 1458 *Sunrise Radio* UK. [Conti-NH]
- 1458 **UNITED KINGDOM** *Sunrise Radio*, Brookmans Park OCT 8 2253 - Shrill Indian female vocal; poor to fair. OCT 29 2143 - Bollywood/dance style shrieky female vocal and thumping bass; fair. [Connelly-MA]
- 1467 **FRANCE** *TWR Roumoules* (43°47'N 6°09'E) OCT 29 2148 - Man and woman in slightly-reverberated Arabic over Mideast string background music; huge! 2258 woman in Arabic, mailing addresses in Haleb, Syria and Monte Carlo, Monaco; loud. [Connelly-MA]
- 1485 **MELILLA // SPAIN** *SER* synchros OCT 8 2253 - Echoey Spanish; poor in WBAE slop. OCT 29 2143 - Spanish sports talk; poor to fair. [Connelly-MA]
- 1494 **FRANCE** *France Info* synchros OCT 29 2300 - Parallel 1557 with fanfare music, French news; poor. [Connelly-MA]
- 1512 **SAUDI ARABIA** *BSKSA* Jeddah (21°15'N 39°10'E) OCT 8 2248 - A cappella male Koranic chant; to good peak past WWZN. OCT 29 2149 - Koranic vocal. [Connelly-MA]
- 1521 **SAUDI ARABIA** *BSKSA* Duba (27°20'N 35°45'E) OCT 8 2249 - Arabic newstalk by man; local-like. 2346 man in Arabic; on E100. OCT 29 2300 - Pip, news in Arabic; loud. [Connelly-MA] NOV 3 2132 - Middle Eastern music; weak but fairly consistent on USB. [Chernos-ON] NOV 9 2245 - Excellent, s9+10; string music, announcements by alternating man and woman. [Conti-NH]
- 1530 **VATICAN** *R.Vaticana*, Vatican City (42°03'N 12°19'E) OCT 29 2300 - Vatican chimes interval signal; over WCKY and jumble of others. [Connelly-MA]
- 1539 **UNITED ARAB EMIRATES** *R.Aap Ki Dunyaa*, Al Dhabiya OCT 29 2257 - Bollywood style

female vocal; fair. At 2304 UTC presumed Urdu news by woman; through WDCD slop. [Connelly-MA]

- 1548 **KUWAIT** *R.Sawa*, Kabd-Kuwait City (29°10'N 47°32'E) OCT 29 2254 - Modern Arabic female vocal; over Moldova and UK. [Connelly-MA]
- 1548 **MOLDOVA** *Voice of Russia*, Grigoriopol (47°14'N 29°24'E) OCT 29 2255 - Eastern European talk; momentarily over Kuwait. 2301 Russian music; dominant. [Connelly-MA]
- 1548 **UNITED KINGDOM** *BBC R.Bristol*, Mangotsfield OCT 8 2249 - BBC commentary on London, 1968; over Kuwait. [Connelly-MA]
- 1550 **ALGERIA** *RASD Tindouf-Rabouni* (27°29'N 7°49'W) OCT 8 2250 - Rustic North African female vocal with drumming; to fair peak. [Connelly-MA]
- 1557 **FRANCE** *France Info*, Fontbonne (43°46'N 7°25'E) OCT 8 2250 - Sports-related talk; to good peak. 2349 man in French; on E100. [Connelly-MA]
- 1566 **BENIN** *TWR Parakou* OCT 29 2149 - Likely this with slightly African-accented French; poor. [Connelly-MA]
- 1566 **UNITED KINGDOM** *BBC R.Bristol & Somerset Sound*, Taunton OCT 29 2259-2300 - Folk music, UK English talk, mention of "BBC news radio;" poor. [Connelly-MA]
- 1575 **ITALY** *Rai Radiouno* synchros OCT 29 2259 - ID "RAI, Radiotelevisione Italiana" popped up over UAE. [Connelly-MA]
- 1575 **UNITED ARAB EMIRATES** *R.Farda*, Al Dhabiya (24°11'N 54°14'E) OCT 8 2249 - Dramatic Mideast male vocal; good. 2350 huge signal with female Mideast vocal; even permitting "barefoot" reception on Etón E100. [Connelly-MA]
- 1584 **CEUTA** *RadiOlé*, Ceuta (35°53'N 5°17'W) OCT 8 2249 - Operatic vocal; to good peak over *SER*. [Connelly-MA]
- 1584 **SPAIN** *SER* synchros OCT 8 2249 - Parallel 1485 with monotone-delivery newstalk; poor to fair, under Ceuta. [Connelly-MA]
- 1602 **SPAIN** *R.Vitoria*, Vitoria OCT 8 2249 - Spanish talk; mixing with *SER*. [Connelly-MA]
- 1602 **SPAIN** *SER* synchros, OCT 8 2248 - Parallel 1485 with newstalk; over / under *R.Vitoria*. [Connelly-MA]

Pan-American DX

- 555 **ST. KITTS & NEVIS** *ZIZ Basseterre* (17°19'N 62°44'W) OCT 9 0046 - Gospel style Caribbean female vocal; fair on "barefoot" E100. [Connelly-MA]
- 580 **PUERTO RICO** *WKAQ San Juan* (18°26'N 66°08'W) OCT 29 2225 - *WKAQ Cinco Ochenta* ID, Spanish talk promoting its election coverage. [Connelly-MA]
- 630 **HONDURAS** *HRLP R.América*, La Ceiba (15°45'N 86°50'W) or Choluteca NOV 9 0600 - Program "Noticia al minuto" relay from primary outlet on 610, with San Pedro Sula, country's biggest town, mentions and several "Radio America" mentions. Recorded. Good, verified Henrik Klemetz via RealDX. [Black-MA]
- 630 **PUERTO RICO** *WUNO San Juan* (18°26'N 66°07'W) OCT 9 0034 - Uno mention, Spanish newstalk; good. [Connelly-MA]
- 670 **VENEZUELA** *YVLL R.Rumbos*, Caracas (10°29'N 66°59'W) OCT 8 2300 - Venezuela and Rumbos mentions, numerous doorbells; fair. [Connelly-MA]
- 680 **PUERTO RICO** *WAPA San Juan* OCT 29 2328 - Puerto Rico Spanish newstalk; whacking *WRKO!* [Connelly-MA]
- 720 **BRAZIL** unID OCT 9 0029 - Either *ZYI770 Recife* or *ZYK276 Porto Alegre* here with religious talk in Portuguese, crowd sounds; over others. [Connelly-MA]
- 720 **VENEZUELA** *YVQE Oriente*, Porlamar (10°56'N 64°12'W) OCT 8 2301 - *Oriente* ID; mixed with *Canaries*. OCT 29 2226 - *R.Venezuela* and *Oriente* mentions, Venezuelan national anthem; slightly over jumble. [Connelly-MA]
- 750 **VENEZUELA** *YVKS RCR Caracas* (10°29'N 67°00'W) OCT 8 2304 - *RCR* ID, telephone numbers; over *CBGY*. [Connelly-MA]
- 760 **BRAZIL** *ZYH588 R.Uirapuru*, Fortaleza (3°45'S 38°31'W) OCT 8 2229 - Man and woman in Portuguese, Fortaleza mention; to fair peak. [Connelly-MA]
- 820 **ST. KITTS & NEVIS** *TBN/R.Paradise*, Charlestown (17°08'N 62°37'W) OCT 29 2200 - Preacher talking about the greatness of America; over *WNYC* and 200 Hz growl. 2303 "How Great Thou Art" hymn, preaching; excellent. [Connelly-MA]
- 840 **BRAZIL** *ZYK687 R.Bandeirantes*, São Paulo (23°32'S 46°37'W) OCT 8 2236 - Likely this with man in Portuguese with Brazil mentions; poor to fair, coming up over jumble and slop. [Connelly-MA]
- 870 **CUBA** *CMDT R.Reloj*, Sancti Spiritus (21°56'N 79°26'W) NOV 7 2205 - Talk and time pips. New. [Paszkiwicz-WI]

- 895 **ST. KITTS & NEVIS** *Voice of Nevis*, Bath Village (17°07'N 62°37'W) OCT 8 2233 - Soul vocal; poor to fair. OCT 29 2239 - Advert for Observer newspaper, phone number 869-469-5907, then US-accented advert for Scotia Bank; fair. [Connelly-MA]
- 900 **VENEZUELA** YVMD *Mara Ritmo 900*, Maracaibo (10°39'N 71°44'W) OCT 29 2304 - "Mara Ritmo nuevociento" ID; over mess. [Connelly-MA]
- 1140 **BRAZIL** ZYH449 *R.Cultura*, Salvador OCT 8 2312 - Man in Portuguese, flute music, Salvador da Bahia mention; slightly over jumble. [Connelly-MA]
- 1160 **BERMUDA** VSB3 Hamilton (32°18'N 64°46'W) OCT 8 2312 - BBC discussion; under WSKW. OCT 29 2309 - BBC interview with young American woman, an artist who moved out of a high-crime area in Bronx, NY. Briefly atop, then a Spanish-language station (Puerto Rico?) mixed in. [Connelly-MA] NOV 11 0100 - Top of the hour time pips (5/1), BBC World News ID, then man and woman with African news item about Congolese rebels. Re-check 0730 recorded with ID and promo for BBC World Service.com. Good in audio lull of WSKW Maine. [Black-MA]
- 1180 **CUBA** *R.Rebelde*, Villa María (23°07'N 82°22'W) OCT 8 2311 - Rebelde net Spanish talk by woman, echo noted; mixed with WHAM. [Connelly-MA]
- 1190.33 **COLOMBIA** HJCT *La Voz de la Costa*, Barranquilla OCT 29 2309 - Spanish talk and het growl against WLIB and WSDE. [Connelly-MA]
- 1280 **PUERTO RICO** WCMN *NotiUno*, Arecibo NOV 13 0932 - Simulcast of WUNO NotiUno 630 with ID and San Juan mention. Recorded. Fair, Spanish ID verified Gert Nilsson via RealDX. [Black-MA]

Contributors

Roy Barstow, Teaticket MA; RFSpace SDR IQ, 35 x 50-ft SuperLoop at 63° and a smaller loop north/south.

Chris Black N1CP, West Yarmouth MA; Icom 756 PRO II, Icom R-75, SDR-IQ, 35 x 90-ft Flag loop, 200-ft Super-sloper, 300-ft longwire, BWD-90 folded dipole.

Saul Chernos, Burnt River ON; AOR7030 and 1000-ft longwire pointed east.

Mark Connelly WA1ION, Rockport MA; SDR IQ, Drake R8A, Etón E100, Mini-Circuits ZSC-2-2, cardioid array on roof of car = Loop: Micro-SuperLoop, square, 2 m per side, with 16:1 xfmr (to DX Engineering RPA-1 amp) on east bottom corner and 5k potentiometer on west corner.

Bruce Conti, Bedford MA; barefoot stock Etón E100.

Bruce Conti, Nashua NH; SDR IQ, WR-CMC-30, MWDX-5, 15 x 23-m SuperLoop antennas east with remote variable termination and south 1150-Ω terminated.

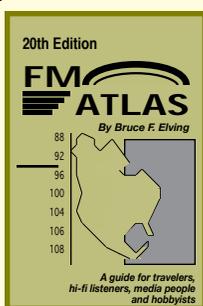
Harold Frodge, Brighton MI; Drake R8B, 65-ft TTFD, 500-ft unterminated northeast/southwest Bev.

Sheryl Paszkiewicz, Manitowoc WI; NRD-345, Eavesdropper.

73 and Good DX!

Not sure about renewing?

Consider these benefits of a membership in the National Radio Club: 720+ pages per year of varied and comprehensive DX and radio information in DX News ... reduced prices for publications ... responsive editors ... and the friendliest bunch of DX'ers in the world! Why not send that renewal check to P. O. Box 473251 - Aurora, CO 80047-3241 today!



Bruce Elving's FM Atlas ... 20th Edition

The world-famous guide which has served FM DX'ers for over 20 years is available from NRC Publications at the special price of \$20.00 for NRC USA/Canada members, \$24.00 USA/Canada non-members, \$25.00 for all others. Canadian orders: PayPal or postal M. O. only. Order from NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)

NEW!!! IRCA Slogans List (Winter 2008) NEW!!!

This season's update of the IRCA Slogans List is ready!! This revised Slogans List includes radio slogans from the US, Canada and Mexico (over 4000).

Prices: NRC/IRCA members - \$6.00 (US/Canada/Mexico/sea mail), \$8.00 (rest of the Americas/ Europe airmail), \$8.50 (Australia/Japan/New Zealand airmail). Non-IRCA members - add \$1.00.

To order from the IRCA Bookstore, send the correct amount in USA funds (payable to "Phil Bytheway") to:

IRCA BOOKSTORE - 9705 MARY NW - SEATTLE WA - 98117-2334 (PayPal e-mail: phil_tekno@yahoo.com). Please state club affiliation when ordering.

Target DX

Shawn Axelrod amandx@mts.net

30 Becontree Bay

Winnipeg MB R2N 2X9 Canada

DX'ing 'smart', with shared tips and information from NRC members

Welcome to the Target DX Column number 7.

This month we will look at listening to the Broadcast Band in a different mode. I will try to explain how I DX without getting too technical. For those of you who have advanced technical abilities I apologize if some of this is over-simplified, but it is aimed at the newer DX'er as well as the old timers.

Modes of Listening

Up here in the Great White North we do things a little different. As an example I often listen to the Broadcast Band on SSB (Single Side Band). In fact I only use the Amplitude Modulation (AM) mode to program listen. All of my DX'ing has been done using SSB for years now. On some receivers you can only use AM as a reception mode, while others give you a choice of using AM or SSB. SSB comes in two modes Upper Side Band (USB) and Lower Side Band (LSB). The two side bands make up the AM radio signal. In fact I have seen AM described as Double Side Band (DSB). Both USB and LSB can be used to listen to a signal broadcast in the AM mode as in effect the AM signal is both sides combined so to speak. When DX'ing for weaker stations I tune my receiver in the SSB mode for the following three reasons:

Interference - The main thing about using SSB as a listening mode is it may help to knock down some types of interference. This would be particularly true of adjacent channel interference. By using either the USB or LSB listening mode on your receiver you can try to eliminate some of the signal from the station(s) beside the frequency you are trying to DX. This splat can make DX'ing on adjacent frequencies impossible at times. Some receivers come with a Beat Frequency Oscillator (BFO), which you can use to DX on SSB. You will have to tune the BFO knob carefully and slowly in both directions to see which is the best position of the BFO knob for the signal you are trying to receive. This rotation of the knob will take you through both USB and LSB. You could use which ever SSB is best for that particular frequency depending on which side the interference is coming from. I often switch between the two to see which Side Band USB or LSB is the best one to use at that particular time.

Filters - When in the SSB mode your receiver will most likely select a narrower filter to use than when in the AM mode. This different filter will also help with reducing interference from adjacent channels. On my ICOM ICR-70 I can go from the 4 kHz AM filter to the 2.4 kHz SSB filter. This narrowing of the filters can help reduce the side splat from the adjacent stations making it much easier to hear those weak stations. Other receivers such as the Drake R8 series allow you to not only select the mode (AM or SSB) but also what filters you want. I can use the 6 or 4 kHz filters on AM or the 2.4 or 1.8 kHz filters on SSB. Every little bell and whistle has its place and use when DX'ing. I have found going below 1 kHz makes voice impossible to copy. So going down to my 0.5 kHz Continuous Wave (CW) made for Morse Code reception is not an option for DX'ing voice transmissions.

Het Hunting - Het Hunting is a method of DX'ing using SSB as a tool to see if there is a station on a certain frequency. You can Zero Beat a station by tuning the receiver in SSB and slowly going up or down the dial. If you are going up the dial from 530 to 1700 kHz then use the USB mode. Conversely if you are tuning down from 1700 to 530 use the LSB mode. As you approach a station you will hear the Heterodyne or Het start up. It is a tone that will grow louder as you get to the frequency of the station. When you are on the exact frequency the Het tone will die off and disappear. When there is no Het at all you are right on frequency (Zero Beat) and you should be able to hear the audio from the station. This can be a valuable tool in seeing if split frequency stations are coming in. Split frequencies (for North American DX'ers) are the frequencies used elsewhere in the world. Many countries have their stations go up in 9 kHz steps versus the 10 kHz steps we are used to here in North America. If you want to try for Trans Atlantic (TA) or Trans Pacific (TP) stations Het Hunting can be a great way to help bring them in. You not only gain the advantages described above but you also have a way to find them more easily.

All of the TA and TP and South American stations I have received here in Manitoba even while on a DX'pedition have been heard using the above methods. It may take some practice and patience but once you have mastered this DX'ing method I am sure you will find it rewarding. After you get a few new ones especially targets you may find yourself DX'ing as some of us do in the great White North.

If you are looking for a listing of the split frequencies (non North American) go to the web site below:

<http://www.angelfire.com/mb/amandx/forfreq.html>

Another tool has been added to the DX Tool Kit described in last month's column. Recently added to the forums section on e-DX News Magazine is the UnID Station Help Forum. The Forum will have both written descriptions and audio files of unID AM stations, plus assistance in identifying them from DX'ers. The audio side may not be up and running right away as your editor has to get acquainted with the software to insert the audio files. We all know the frustration of not quite knowing what we are hearing especially in a language we are not familiar with. Local ads and information that may mean nothing to me here in Winnipeg might be easy for you to identify. I will post up the loggings sent in and keep them up for about a month. Together I hope we can help fellow hobbyists identify those mysteries and help each other get a new station.

This column is for you the reader to contribute to. The original intent was not for me to ramble on each month but for the readers to send in target lists and help each other out. I would appreciate any feed back on what content you would like to see here.

My personal Targets Sheet is always available at: <http://www.angelfire.com/mb/amndx/TargetsSheet.xls>

It is updated as I get catch current targets or add new targets.

73 for this time Shawn

Remember On A Clear Day You Can Hear Forever

Two URL's you need: <http://e-dxn.com>; <http://www.nrcdxas.org>

NRC AM Radio Log, 29th Edition



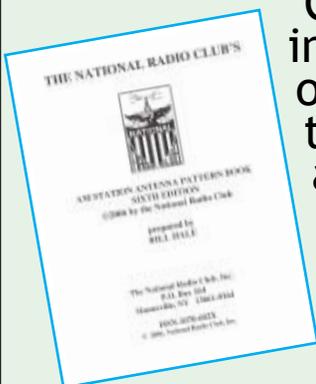
The NRC AM Radio Log is unbound and three-hole punched for standard binders. *Ships around Sept. 1; pre-orders accepted now!* Media Rate: \$19.95 to U. S. NRC members; \$25.95 to U. S. non-members; to Canadian members, \$24.00 (\$28.95 to non-members); add \$3.00 for Priority Mail. Airmail to all outside of USA/Canada: \$32.00. Canadian orders: PayPal or postal M. O. only.

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

The NRC AM Station Antenna Pattern Book

This Sixth-Edition Antenna Pattern Book now includes daytime and "Graveyard" frequency patterns for the first time. Stations in Alaska and Hawaii are listed on separate pages at the end of the book. The basic list of U.S. and Canadian stations comes from the 26th Edition of the National Radio Club's AM Radio Log. Mexican stations in the states bordering the United States plus those

stations elsewhere which are easily heard in the U.S. and Canada are also included. All data is up-to-date as of November 1, 2005. Prices: \$16.95 to USA/Canada NRC members, \$22.95 USA non-members, \$25.95, Canada non-members/all overseas orders. Canadian orders: PayPal or postal M. O. only. Order from NRC Publications - P.O. Box 473251, Aurora CO - 80047-3251. (CO residents, please add 3.5% sales tax.)



2008 Fall Follies

Ultralight MW DX Contests

FINAL TALLY SHEET

Barefoot Receiver Class

STATIONS HEARD

Allen Willie, St. Johns, NF	134 stations	Sony M37V
Ira Elbert New III , Watkinsville, GA	68 stations	Sony SRF-M37
John Glover, Naperville, IL	33 stations	Sangean DT-400W

NORTH AMERICAN DX

Allen Willie, St. Johns, NF	17,782 km	Sony M37V
Kevin Schanilec, Bainbridge Island, WA	16,183 km.	Sony SRF-39FP and Eton e100
Nick Kucij, S. Burlington, VT	7,879 km	Eton Mini 300
John Glover, Naperville, IL	7,517 km	Sangean DT-400W
Ira Elbert New III, Watkinsville, GA	6,946 km	Sony SRF-M37

WORLD-WIDE DX

Guy Atkins, Grayland Beach S.P., WA	48,351 km.	Sony SRF-39FP
Allen Willie, St. Johns, NF	45,170 km	Sony M37V

Unlimited Receiver Class

STATIONS HEARD

Kirk Allen, Ponca City, OK	99 Stations	Eton e100/Select-A-Tenna
----------------------------	-------------	--------------------------

NORTH AMERICAN DX

WORLD-WIDE DX

Gary DeBock, Puyallup, WA	51,699 km	Slider e100 + Murata CFJ455K5 IF Filter
John Bryant, Eastsound, WA	50,664 km.	Slider e100 + Wellbrook Array
Dennis Vroom, Vancouver, WA	48,143 km	Slider e100 + EWE-NW

There were ten participants in the 2008 Fall Follies, five from the birthplace of Ultralighting, Washington state, one Canadian entry, and one each from Oklahoma, Illinois, Vermont and Georgia. The Barefoot Receiver Class had ten entries; the Unlimited Class had four. Overall, the "five most distant stations" contests had ten entries, the Total Stations contests were entered by four DXers. It is very interesting to note that only Guy Atkins, the most hi-tech of the Washington state DXers, was the only person to use an analog-dialed radio in the contest.

EXPANDED REPORT

LOGGINGS OF EACH PARTICIPANT

Barefoot Receiver Class

STATIONS HEARD - BAREFOOT

Allen Willie, St. Johns, NF	134 stations	Sony M37V
	Best Catches	
1512 khz - BSKSA Jeddah, Saudi Arabia	21:27 UTC	10/25/08
1548 khz - R. Sawa Kuwait City, Kuwait	21:29 UTC	10/25/08
1503 khz - R. Sarasarye, Busheher, Iran	21:43 UTC	10/25/08
909 khz - RNE5 Palma De Mallorca ,Balearic Islands	3:07 UTC	10/29/08
1120 khz - KMOX St. Louis, Missouri	3:12 UTC	10/25/08
549 khz - RTA1Hamadouche, Algeria	21:31 UTC	10/25/08

Ira Elbert New III , Watkinsville, GA **68 stations** **Sony SRF-M37**
Best Catches

610 kHz - WAGG Birmingham, AL A difficult station for me, at best.

740 kHz - KRMG Tulsa, OK Usually covered by CHWO in Toronto, Canada.

830 kHz - WCCO Minneapolis, MN Nice to hear something from so far away.

1080 kHz - WKJK Louisville, KY One of my first DX catches way back when.

1260 kHz -WSDZ Belleville, IL Perhaps the most difficult R. Disney station for me.

John Glover, Naperville, IL**33 stations Sangean DT-400W****Best Catches**

540 kHz - CBK, Regina, SK 50kW 1731 km Farthest station heard 540 kHz - KWMT, Ft. Dodge, IA
 0.17kW 507 km Hiding under CBK
 650 kHz - KGAB, Orchard Valley, WY, 0.5kW 1391 km Very low powered under WSM
 1700 kHz - KBGG, Des Moines, IA 1 kW 508 km Another low powered station
 1620 kHz - KOZN, Omaha, NE 1 kW 657 km Low power from Nebraska

NORTH AMERICAN DX - BAREFOOT**Allen Willie, St. Johns, NF****18,782 km Sony M37V**

1. 0923 UTC 10/27/08 1160 khz KSL Salt Lake City Utah 4672 km
 2. 0211 UTC 10/25/08 870 khz WWL New Orleans, Louisiana 3743 km
 3. 0927 UTC 10/25/08 1180 khz VOA Marathon, Florida 3560 km
 4. 0922 UTC 10/28/08 1140 khz WQBA Miami, Florida 3429 km
 5. 0125 UTC 10/28/08 850 khz WFTL West Palm Beach, Florida 3378 km
- Total 18,782 km

Kevin Schanilec, Bainbridge Island, WA 16,183 km. Sony SRF-39FP/Eton e100

1. 0557 UTC, 20081102, 540 XEWA, S Luis Potosi, MX 3,423 km (Sony SRF-39)
 2. 0320 UTC, 20081025, 870 WWL, New Orleans, LA, 3,394 km (Eton e100)
 3. 0323 UTC, 20081025, 1100 WTAM, Cleveland, OH 3,279 km (Eton e100)
 4. 0333 UTC, 20081025, 1700 KVNS, Brownsville, TX 3,248 km (Eton e100)
 5. 0340 UTC, 20081025, 1200 WOAI, San Antonio, TX, 2,839 km (Eton e100)
- Total: 16,183 km

NORTH AMERICAN DX – BAREFOOT (con't)**Nick Kucij, S. Burlington, VT 7,879 km Eton Mini 300**

1. 1005 10/25 1540 KXEL Waterloo, IA 1560.2 km.
 2. 1005 10/26 1120 KMOX St. Louis, MO 1536.4 km.
 3. 0956 10/29 750 WSB Atlanta, GA 1518.3 km.
 4. 1037 10/29 1040 WHO Des Moines, IA 1659.9 km
 5. 0300 11/01 640 CBN St. John's, NL 1604.6 km
- Total = 7879.4 km

John Glover, Naperville, IL 7,517 km Sangean DT-400W

1. 0055 11/01 540 CBK, Wautros, SK 1713 km
 2. 0333 10/28 850 KOA Denver, CO 1421 km
 3. 0434 10/28 1030 WBZ Boston, MA 1423 km
 4. 0407 10/28 870 WWL New Orleans, LA 1332 km
 5. 0930 11/01 1200 WOAI San Antonio, TX 1628 km
- Total: 7517 km.

Ira Elbert New III, Watkinsville, GA 6,946 km Sony SRF-M37

1. 21:54 11/02/08 830 WCCO Minneapolis, Minnesota 1523 km
 2. 22:09 11/02/08 1200 WOAI San Antonio, Texas 1472 km
 3. 22:04 11/02/08 1030 WBZ Boston, Massachusetts 1438 km
 4. 21:53 11/02/08 820 WBAP Ft. Worth, Texas 1285 km
 5. 22:05 11/02/08 1040 WHO Des Moines, Iowa 1228 km
- Total: 6,946 km

WORLD-WIDE DX - BAREFOOT**Guy Atkins, Grayland Beach S.P., WA 48,351 km. Sony SRF-39FP**

1. 0145 11/2 1575 Radio Farda, Al-Dhabbaya, UAE 12,131 km.
 2. 1502 11/2 1575 VOA, Ban Phacht, Ayutthaya, Thailand 11,894 km.
 3. 1505 11/2 1566 HLAZ, Cheju, So. Korea 8,651 km.
 4. 1513 11/2 774 JOUB, Akita, Japan 7,310 km.
 5. 1542 11/2 972 HLCA/KBS, Dangjin, So. Korea 8,365 km.
- Total 48,351 km.

Allen Willie, St. Johns, NF**45,170 km Sony M37V**

1. 21:47 UTC 10/25/08 1431 khz R. Sawa Arta Djibouti 9476 km
 2. 00:30 UTC 10/25/08 1575 khz R. Farda Al Dhabiya,UAE 9220 km
 3. 21:50 UTC 10/25/08 1170 khz R. Sawa Al Dhabiya, UAE 9220 km
 4. 21:55 UTC 11/01/08 954 khz Qatar Broadcast Service Al Arish,Qatar 8854 km
 5. 21:08 UTC 11/01/08 972 khz BSKSA Jeddah,Saudi Arabia 8400 km
- Total 45,170 km

Unlimited Receiver Class

STATIONS HEARD - UNLIMITED

Kirk Allen, Ponca City, OK 99 Stations Eton e100 + Select-A-Tenna
Best catches:

- 530 - R. Enciclopedia, Havana, Cuba (distance-no idea how far)
- 650 - KGAB, Orchard Valley, WY (8600 km/500 watts under WSM)
- 890 - KVOZ, Laredo, TX (Many stations closer, Stronger than KLTR, OK City)
- 930 - KIUP, Durango, CO(100 watts night under WKY, OKC)
- 680 - KNBR, San Francisco, CA (2224.4 km, 1391.4 mi)
- 790 - WSGW, Saginaw, MI (Very difficult freq around here)

NORTH AMERICAN DX - UNLIMITED

No entries

WORLD-WIDE DX - UNLIMITED

Gary DeBock, Puyallup, WA 51,699 km Slider e100 +

Murata CFJ455K5 IF Filter

1. 1428 10/28 1575 VOA Ayatthaya, Thailand 11,959 km
 2. 1437 10-26 675 VOV My Van, Vietnam 11,037 km
 3. 1413 10-26 738 Taiwan Fisheries Penghu, Taiwan 10,018 km
 4. 1427 10-27 936 Anhui 1 Hefei, China 9,414 km
 5. 1424 10-27 1593 CNR1 Changzhou, China 9,271 km
- Total 51,699 km

John Bryant, Eastsound, WA 50,664 km. Slider e100 + Wellbrook Array

1. 1428 10/25 1575 V of America Ayutthaya, Thailand 11789 km
 2. 1400 10/28 675 V of Vietnam 1 Hanoi, Vietnam 10890 km
 3. 1427 10/28 738 Taiwan Fisheries BS Baisha, Taiwan 9875 km
 4. 1442 10/25 936 Anhui RGD Hefei, China 9268 km
 5. 1422 10/25 1377 CNR1 Shijiazhuang, China 8842 km
- Total 50,664 kilometers

Dennis Vroom, Vancouver, WA 48,143 km Slider e100 + EWE-NW

1. 1323 11/02-08 1566 HLAZ Republic of Korea 8810 km
 2. 1325 11/02/08 1575 Thailand (VOA) 11721 km
 3. 1342 11/02/08 558 JOCR Japan 8156 km
 4. 1424 11/02/08 876 JOGB Japan 8593 km
 5. 1319 11-03-08 1377 CNR1 China 10863 km
- Total 48,143 km

IRCA Mexican Log, 13th Edition (Winter 2008)

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

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

To order from the **IRCA Bookstore**, send the correct amount to: **IRCA BOOKSTORE - 9705 MARY NW - SEATTLE WA 98117-2334** (PayPal [add \$1.00] email: phil_tekno@yahoo.com). Please state club affiliation when ordering.

E100 Four Variant Shootout

Gary DeBock, Puyallup, WA USA November 2008

Curious how a stock E100 stacks up against a Murata IF filter model, or a Slider loopstick model? Or is the DX performance of a fully modified (filter plus Slider loopstick) model worth the cost? Here is your chance to find out!

Introduction

The Eton E100 has truly captured the imagination of the Ultralight radio enthusiast group by providing many superlative features in a very small package. With 1 kHz tuning steps, 200 memories, scanning features, 9 or 10 kHz selectable tuning and many other refinements, it has become the digital Ultralight radio of choice for transoceanic DXers, as well as for domestic DXers requiring fairly decent stock selectivity and relative freedom from urban RF issues.

The E100 in stock form is capable of very competitive domestic DX performance, especially on the higher AM frequencies. Its stock IF filter provides it with the best selectivity in the Ultralight radio class, in combination with unsurpassed sensitivity on the X band, and other upper band frequencies.



In the recent Summertime Shootout equipment review posted on dxer.ca, it was one of the top two performers, being narrowly edged out by the new Sangean DT-400W only because of its typically modest low-band sensitivity.

Despite this, the E100 is unique in the Ultralight genre as the perfect platform for DX performance modifications. With its 455 kHz IF, the simplest possible two-lead loopstick and very accessible circuitry, the stock E100 can potentially be modified into a state of astonishing DX effectiveness—and has been done so repeatedly by a group of fanatical experimenters here in Washington state. The stock IF filter can be replaced by a premium Murata ceramic type, the CFJ455K5. The tiny flat loopstick can be removed in favor of a much larger, innovative Slider model. Unfortunately, in these days of tight money, such performance modifications come with a price tag that can easily exceed the cost of the stock unit. As such, many E100 DXers have wondered whether these selectivity and sensitivity improvements are really cost effective, and how the different modifications would “shake out” in an actual competitive “shootout.” All these questions, and others, will be answered in this comprehensive article—from perhaps the ultimate E100 performance enthusiast.

Stock E100

Although it was discontinued by Eton recently, the stock unit can currently still be obtained from various sources as an “NOS” (new old stock) unit, with the lowest price being a current Durham Radio / DXer.Ca special at \$44.97 (plus \$12.95 shipping to the U.S.) The stock unit can provide competitive domestic and transoceanic performance in comparison to other Ultralights, particularly on the higher frequencies. It is typically at a disadvantage to the Sangean DT-400W and Sony SRF-T615 (and others) on the lower frequencies because of a sensitivity

limitation, which is entirely due to a mediocre stock loopstick. When aligned, however, the stock E100 is capable of thrilling its owner with some impressive DX, and currently holds the stock Ultralight DX distance record for a 3LO-774 (Melbourne, Australia) reception by Kevin Schanilec from Alaska’s Kenai Peninsula (7,684 miles, or 12,372 km).

Murata IF filter-modified E100

The stock IF filter in the E100 already places it at the top of the Ultralight selectivity class, but it will hardly impress serious transoceanic DXers. Razor-sharp selectivity is essential to split off the relatively weak 9 kHz overseas DX from domestic pests, and DXpedition enthusiasts have been the primary group demanding such a super-selective E100. During experimentation in the summer of this year,

fellow Puyallup, Washington resident Guy Atkins was asked to suggest a suitable E100 upgrade IF filter, which would transform the model's fairly good selectivity into a razor-sharp state, suitable for any domestic or 9 kHz transcontinental DXing mission. Because of the 455 kHz IF of the model and the related availability of many premium upgrade filters, Guy was able to choose the perfect replacement for the E100: the Murata CFJ455K5 ceramic filter, nominally 2.3 kHz at -6 dB.

Truly a premium filter (at a premium price of around \$53 from Icom), the CFJ455K5 will fit inside the E100 cabinet after removal of some plastic, and careful installation by an experienced technician [a service currently only offered by Steve Ratzlaff (steveratz@wildblue.net), a highly experienced ex-Navy technician, for a labor charge of \$50]. The installation requires preparation of miniature coaxial cables and very detailed circuit board soldering, and is not recommended for beginners. However, for those able to perform or arrange an installation, the filter's performance is truly impressive. It is the same narrow filter as that used in the Eton E1, and provides equivalent superlative selectivity.

The filter-modified E100 is capable of receiving many domestic DX stations only 10 kHz away from extremely strong locals, and on the ocean coasts, is also capable of receiving fairly strong 9 kHz-split transoceanic DX right next to domestic pests. Since the new Murata filter is always in the E100's IF circuit (i.e. not switched in), the on-frequency audio will typically have a slightly "muffled" quality, and intelligibility can often be improved by tuning 1 kHz up or down from the DX station's frequency. This practice also improves the audio quality of mp3 recordings on a filter-modified E100. Since the stock loopstick is still being used, however, sensitivity is not improved over the stock unit, and weak-signal performance (especially on low-band DX signals) still leaves much to be desired. Those DXers looking for greatly improved sensitivity will probably choose either to have an external antenna connector modification (to use their EWE's, K9AY's, beverages, etc.) or a Slider loopstick modification (to greatly enhance sensitivity as a stand-alone DXing portable), or both.

Slider loopstick-modified E100

The "Slider" is an innovative type of antenna using a movable coil to allow the peaking of each DX signal on the loopstick itself, before it enters the E100's front end. Developed during summer experimentation to greatly boost the



E100's wide-band sensitivity, the Slider functions like a built-in preselector, providing a measure of selectivity in addition to its huge sensitivity boost. This enables it to avoid the failings of other transplanted loopsticks (such as those in the SRF-39FP) which boosted sensitivity at the expense of selectivity. The 7.5" Slider loopstick-equipped E100's have astonishing sensitivity for their size, and have been tested and found fully competitive with RF-2200's, ICF-S5W's and other top AM portables in weak signal capability. Because of the E100's digital tuning convenience and memory capability, however, a Slider-equipped E100 can often exceed these analog portables in overall DXing performance.

The experimental models constructed by John Bryant and myself consist of a movable coil of 40/44 Litz wire which slides along an Amidon 7.5" x .5" Type 61 ferrite bar, optimizing sensitivity on each individual frequency. This gives the Slider-equipped E100 superb sensitivity from 520 to 1710 kHz, far exceeding the stock loopstick's performance, and that of every other stock or hot-rodged Ultralight portable. *The Slider loopstick modification is also unusually easy for beginners to perform*, with only two highly-accessible soldering connections to make on the E100's back circuit board, followed by the construction of a custom frame (plastic or wood) to hold the antenna.

By itself, the Slider antenna opens up a new world of weak-signal DX possibilities for the E100 owner, and is especially effective in rural or isolated locations, where its superior sensitivity can really shine. It is also moderately competitive in 9 kHz split DXing along the ocean coasts, especially on the frequencies 4 or 5 kHz away from domestic locals. Since the E100's stock IF filter is reasonably selective (for the basic Ultralight class), and since the Slider coil's peaking function provides a slight measure of selectivity, the Slider-only E100 can usually receive most of the TP's available on a "fully modified" (Murata IF filter + Slider loopstick) model, although with much more domestic splatter.

The Slider coil's peaking function has also been found effective in reducing the E100's reception of image, spurious signals and general overloading from an external antenna such as a long wire, EWE or other high-gain design. The peaking of the coil on the DX station's frequency helps to filter out these unwanted nuisance signals, and make it possible for suburban DXers to use their E100's with reduced overloading. Further information on this Slider advantage will be found in a companion article to this

one, to be published soon by John Bryant.

An ideal hobbyist project, the Slider loopstick (and frame) can be constructed with parts costing about \$35, and give the DXer a great sense of satisfaction in boosting the sensitivity of his E100 up to a tremendous level. Full information and instructions are posted in a 7-page article on dxer.ca, and are suitable for any beginner It's the Ultralight equivalent of last century's simple but thrilling Heathkits, making even novices feel like they've hit an amazing home run in electronics.

The Fully Modified E100

Occasionally in electronic experimentation, breakthrough discoveries combine to produce an astonishingly effective result By fortunate coincidence, the development of the E100 Slider loopstick was followed very closely by Guy Atkins' recommendation of the premium Murata CFJ455K5 IF filter as the optimum selectivity upgrade for the E100 All three transoceanic DXers working on this project (John, Guy and I) rushed to combine the modifications in our own personal E100's, and were astounded at the result! The resulting "fully modified" E100 was a compact DXing wildcat, with transoceanic performance far out of proportion to its size In the very tough mission of South Pacific (DU) DXing during the summer in Washington, the fully modified E100's not only made reception of the relatively weak DU's routine, but did so in the face of strong in-line domestic QRM that could not be nulled Transoceanic DXers had finally succeeded in combining extreme sensitivity with extreme selectivity in a modified Ultralight—with thrilling results.

Such great performance comes with a premium price, however A Murata filter purchase and installation can cost about \$110, and the Slider parts will require an additional \$35 Custom add-ons (like an external antenna connector) will also raise the price The humble \$50 E100 can easily become a \$200 portable, assuming that the DXer can indeed secure the Murata filter (currently facing a two-week shipping delay) So, is the DXing performance of the fully modified E100 worth such a costly outlay, especially in these days of financial stress?

For dedicated transoceanic DXers looking for outstanding performance in a very tiny package (either as a stand-alone portable, or as a receiver connected to effective external antennas), the answer is probably yes Either with or without external antennas, the premium Murata IF filter is highly effective in separating the 9 kHz split DX from domestic QRM, and the Slider loopstick has the sensitivity to really dig out the weak stations Even with external antennas, the Slider coil can act as a preselector, allowing the DXer to filter out images and other urban nuisance signals during hometown DXing sessions.

Domestic DXers can use the superb IF filter and sharp nulling ability of the Slider loopstick to chase DX only 10 kHz away from extremely strong locals (and dodge IBOC hiss), but whether this will justify the fully modified E100's premium price is an open question Each DXer must decide for himself, and hopefully the following live shootout information will be helpful in that decision.

Competitive Testing—Daytime DX

The four E100 variants were thoroughly tested in daytime DX conditions at 12:30 PM, November 8, 2008 in the typical suburban environment of Puyallup, Washington (35 miles south of Seattle) Seven relatively weak fringe stations were used to check sensitivity, and seven weak adjacent-channel stations (normally covered with local splatter) were used to test selectivity

STATION	SENSITIVITY			
	Slider + Filter	E100 Slider-Only	E100 Filter-Only	E100 Stock Model
530-TIS stations	3 stations* (strong)	3 stations* (strong)	Tacoma TIS (weak)	Tacoma TIS (wk)
550-KARI/KOAC	both stations (weak)	both stations (weak)	nil	nil
790-KGMI	weak	weak	nil	nil
1040-CKST	strong	strong	trace	trace
1510-KGA	weak	weak	nil	nil
1600-KVRI	strong	strong	weak	weak
1640-KDZR	weak	weak	nil	nil

*Tacoma TIS, Highway 410 TIS, Sea-Tac Airport TIS

Sensitivity Summary: Both Slider models have an equally supreme advantage in sensitivity across the band The stock loopstick models perform better on the high frequencies, but cannot come close to the Slider models' sensitivity By way of comparison, a stock ICF-2010's sensitivity is also inferior to that of the Slider E100's across the band, but superior to that of the stock E100 across the band.

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

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

SELECTIVITY

STATIONS Slider + Filter E100 Slider-Only E100 Filter-Only E100 Stock Model

700-KXLX	weak; little KIRO slop	all KIRO slop	all KIRO slop	all KIRO slop
810-KTBI	mod. no KGNW slop	mod., mod. KGNW	all KGNW slop	all KGNW slop
860-KPAM	weak, mod. KHHO slop	all KHHO slop	all KHHO slop	all KHHO slop
960-KALE	mod., no KJR slop	all KJR slop	all KJR slop	all KJR slop
1080-KFXX	mod., no KPTK slop	mod., hvy KPTK slop	trace, no slop	all KPTK slop
1370-KAST	weak, mod. KKMO slop	all KKMO slop	all KKMO slop	all KKMO slop
1460-KARR	mod., no KSUH slop	*mod., mod. KSUH slop	trace, no slop	all KSUH slop

*KUTI also was weakly received in the null of KSUH-1450, only on this model

Selectivity Summary:

The Slider + Filter model has a decided advantage across the band in total reception of weak adjacent-channel stations. The Slider-Only model can occasionally use its great sensitivity and nulling ability to receive these stations, but with much more local splatter. The Filter-Only model has great selectivity, but cannot receive many weak adjacent-channel stations due to inadequate sensitivity. The Stock Model is completely outclassed in this competition. By way of comparison, of the classic AM DXing portables (the stock ICF-2010, E1 and ICF-S5W), none of these could receive any of the Daytime DX selectivity catches made by the Slider + Filter E100 except for the ICF-S5W, which weakly received KTBI-810 in the null of KGNW-820.

Competitive Testing—Transoceanic DX

The four E100 variants were thoroughly evaluated during a one night DXpedition to Grayland, Washington from November 1-2, 2008. Exceptional conditions prevailed throughout the night, providing multiple opportunities to judge the relative performance of each variant in actual TP-DXing ability.

Grayland is an isolated ocean beach location with relative freedom from local splatter and spurious products, allowing the stock and Slider-only E100 models to receive DX without these typical urban afflictions. As a result, during the Alaskan sunset skip period around 0300 UTC, both the stock and the Slider-only E100's were fully competitive with the filter-equipped models in receiving KBBI-890 in Homer, and KFQD-750 in Anchorage (which was mixing with KXL in Portland, OR). Without local splatter or spurious products, the Slider-only model was especially enjoyable to use in this domestic DXing simulation, combining outstanding sensitivity with excellent audio fidelity.

During the later 9 kHz split DXing session, however, the Slider + Filter E100 was exceptional in splitting very weak Asian DX signals away from domestic stations, providing reception of 11 adjacent-channel TP's completely inaudible on the other models. The Slider-only E100 was competitive in receiving TP's on relatively open frequencies, or those in which its great nulling ability could be used to advantage. The Filter-only E100 generally did not have the sensitivity to compete with the Slider models in reception of weak TP's, although its selectivity did allow clearer reception of split-channel Asians than did the stock model. Details of the relative TP-DXing performance of the four variants is given below:

Slider + Filter E100 Reception of 702-NHK synchros (unique), 846-NHK1 (unique), 855-Pyongyang (unique), 927-China (unique), 945-China (unique), 954-JOKR (unique), 981-CNR1 (unique), 1008-JONR (unique), JOLF-1242 (unique), 1278-JOFR (unique), 1332-JOSF (unique), 531-JOQG, 558-JOCR, 567-JOIK, 576-R.Mayak, 585-JOPG, 594-JOAK, 603-HLSA, 639-CNR1, 648-VOR, 657-Pyongyang, 666-JOBK, 675-VOV, 693-JOAB, 738-BEL2, 747-JOIB, 756-KBS, 774-JOUB, 828-JOBB, 837-China, 864-HLKR, 873-JOGB, 891-JOHK, 918-China, 936-China, 963-CRI, 972-HLCA, 1044-China, 1053-JOAR + Jammer, 1062-China, 1098-R.Marshalls, 1134-JOQR, 1206-China, 1422-JORF, 1467-HLKN, 1566-HLAZ, 1575-VOA, 1593-CNR (Total of 49 TP's)

Slider-Only E100 Reception of 531-JOQG, 558-JOCR, 567-JOIK, 576-R.Mayak, 585-JOPG, 594-JOAK, 603-HLSA, 639-CNR1, 648-VOR, 657-Pyongyang, 666-JOBK, 675-VOV, 693-JOAB, 738-BEL2, 747-JOIB, 756-KBS, 774-JOUB, 828-JOBB, 837-China, 864-HLKR, 873-JOGB, 891-JOHK, 918-China, 936-China, 963-CRI, 972-HLCA, 1044-China, 1053-JOAR + Jammer, 1062-China, 1098-R.Marshalls, 1134-JOQR, 1206-China, 1422-JORF, 1467-HLKN, 1566-HLAZ, 1575-VOA, 1593-CNR (Total of 38 TP's, some with serious domestic splatter)

Filter-Only E100 Reception of 594-JOAK, 648-VOR, 657-Pyongyang, 666-JOBK, 693-JOAB, 747-JOIB, 774-JOUB, 828-JOBB, 864-HLKR, 873-JOGB, 972-HLCA, 1053-Jammer, 1098-R.Marshalls, 1206-China, 1422-JORF, 1467-HLKN, 1566-HLAZ, 1575-VOA (Total of 18 TP's)

Stock Model Reception of 594-JOAK, 648-VOR, 657-Pyongyang, 666-JOBK, 693-JOAB, 747-JOIB, 774-JOUB, 828-JOBB, 972-HLCA, 1053-Jammer, 1566-HLAZ, 1575-VOA (Total of 12 TP's)

Stock Model Verdict

The basic E100 model, currently offered at \$44.97 from Durham Radio (mention dxe.ca), provides Ultralight class-leading selectivity and operating convenience. Domestic DXers can truly enjoy its

performance on the higher frequencies, and when properly aligned, its mid-band performance is also competitive with any other Ultralight radio model Transoceanic DXers will find it capable of the best split-frequency performance in the stock Ultralight radio class, primarily because of its above-average IF filter. For DXers longing for more sensitivity or selectivity, however, the E100 is the perfect platform for modification. It can be completely transformed into an astonishingly effective DX machine, capable of legendary performance.

Filter-Only E100 Verdict

As a stand-alone portable, the filter-only E100 is similar to a high-performance race car with an underpowered engine. The outstanding capability of the Murata CFJ455K5 IF filter can be used only when the DX station's signal has sufficient strength to energize the mediocre stock loopstick, a handicap which significantly compromises the filter's ability to improve overall DXing performance. The superb Murata filter certainly does an outstanding job in splitting off the adjacent-channel DX stations, and performance is indeed improved over the stock unit—so long as the tiny stock loopstick can receive a fairly strong DX signal. Unfortunately, the stock loopstick has nowhere near the sensitivity or nulling ability of a 7.5" Slider loopstick, making the reception of weak domestic or transoceanic signals marginal at best. For a DXer investing significant resources to improve selectivity with this premium filter, the filter-only E100 ultimately provides an unwanted lesson on the importance of improving upon stock sensitivity.

The filter-only E100 is very sensible as an Ultralight connected to an effective external antenna, however—especially in quiet, isolated locations where overloading is unlikely to be an issue. It has been used with phenomenal success by John Bryant at Grayland, and DXers in isolated rural environments should have similar success with their long wires, beverages and other effective antennas. In these locations, the massive gain of the external antennas should not come with the typical urban side effects of spurious signals and images, and the Murata filter can perform superbly in separating the many DX signals provided by the high-gain external antenna systems. For those DXers living in suburban and urban locations who still wish to use effective external antennas with their E100's, the filter-only E100's tendency to overload will probably be a disappointment. A more practical solution is to use a Slider loopstick's coil as a preselector, to tune out a major portion of the urban nuisance signals. Even if never used as a stand-alone antenna, the Slider can make a major difference in the ability to use the E100 with effective external antennas in high-RF urban areas.

Slider-Only E100 Verdict

The addition of a 7.5" Slider loopstick to an E100 truly opens up a new world of weak-signal DX possibilities, and provides its owner with the ticket to thrilling domestic or transoceanic DX. A very cost-effective solution to the stock loopstick's relatively feeble sensitivity, the performance of the Slider-only model increases dramatically in more isolated rural locations, where its full sensitivity potential can be enjoyed.

For domestic DXers in such rural locations, the Slider-only E100 may be the ideal Ultralight, capable of extreme sensitivity and razor-sharp nulling ability. In the absence of serious local splatter or spurious products, it should be fully competitive in providing DXing excitement from 530- 1700 kHz.

For transoceanic DXers, or for those living in RF-intense areas, the Slider-only E100 is still a cost-effective radio capable of providing a lot of weak-signal DXing excitement, but it will be somewhat of a mixed bag due to modest selectivity. The superior nulling ability must be used repeatedly in avoiding splatter, IBOC hiss and co-channel QRM. Although the Slider-only E100 will never be capable of matching the Slider + filter model in total DXing performance, its owner can certainly have a thrilling time with superior sensitivity on the open frequencies, and occasionally make a nice adjacent-channel catch because of an ideal nulling position. The 38 TP's received by this model in one night at Grayland provide solid evidence that the Slider, by itself, can provide a lot of transoceanic DX-- although the hobbyist will have to work hard to avoid, null or otherwise deal with pervasive domestic splatter. For those willing to accept the challenge, however, this \$35 modification certainly provides a lot of transoceanic bang for the buck.

Slider + Filter E100 Verdict

This very rare combination of extreme sensitivity, selectivity and nulling ability has truly unleashed a new portable DXing sensation, with the potential to outperform any stock portable on the planet. Obviously superior to the other three E100 variants in overall DX capability, the relative performance of the Slider + filter E100 can most accurately be judged in comparison to the other classic AM-DXing portables: the Sony ICF-2010, the Eton E1, and the Sony ICF-S5W (all of which are owned by the author). In each of these comparisons, the Slider + filter E100 has one or more advantages, giving it the edge in overall DXing capability.

In comparison with the stock ICF-2010, this hot-rodded E100 has superior sensitivity on all AM frequencies, plus a superior narrow IF filter. Its loopstick is also larger and more isolated than that of the ICF-2010, providing greater nulling ability. Overall DXing capability is in favor of the modified

E100, despite its lack of SSB capability

In comparison with the stock E1, both models share the same outstanding Murata IF filter Selectivity is thereby equivalent, although whereas the E1 deploys a non-directional whip antenna, the hot-rod-ded E100 has an extremely effective, isolated loopstick capable of producing sharp nulls on offending stations In addition, the modified E100's Slider loopstick provides a sensitivity advantage over the stock E1, allowing superior weak-signal reception.

In comparison with the legendary ICF-S5W, the superior narrow filter of the modified E100 gives it a decided advantage in selectivity Sensitivity is slightly superior in the hot-rod-ded E100, although the stock ICF-S5W comes closer in this comparison than either the ICF-2010 or E1 The modified E100 also has a larger and more isolated loopstick, giving it the edge in nulling ability.

Finally, the Slider + filter E100 has one more huge advantage over all these classic portables: smaller size and weight It is compact enough to retain the essence of the Ultralight class: outstanding DX performance in a very tiny package It is the ultimate overachiever, and the perfect example of Ultralight radio's potential to bring new innovation and excitement to our cherished hobby.

73 and Best Wishes to All,

Gary DeBock

(The author wishes to express sincere gratitude to John Bryant for his extensive assistance in the preparation of this article, and to Guy Atkins for his assistance in the E100 Modification project.)

College Sports Networks

John Cereghin mwdx@pilgrimway.org
38 S. Carters Rd
Smyrna, DE 19977-1203

Network listings for college sports stations

Steve Kennedy, from Coal Township, PA, sent in some football network stations from central Pennsylvania. Thanks, Steve! .

BUCKNELL BISON (Lewisburg PA)
107.3 WEGH-PA

KUTZTOWN GOLDEN BEARS (Kutztown PA)
830 WEEU-PA

SUSQUEHANNA CRUSADERS (Selisgrove PA)
88.9 WQSU-PA

We now start turning our attention to basketball networks, but we are always looking to update, or fill in gaps in all sports networks, year round. Flagship stations are in **bold**

ATLANTIC COAST CONFERENCE men's basketball networks

BOSTON COLLEGE EAGLES

620	WVMT-VT	900	WGHM-NH	1440	WVEI-MA	95.5	WJJB-ME
680	WRKO-MA	910	WABI-ME	1450	WTSA-VT	103.7	WEEI-RI
830	WCRN-MA	1250	WGAM-NH	1490	WMRC-MA	105.5	WVEI-MA
850	WEEI-MA	1440	WJAE-ME			107.7	WTPL-NH

CLEMSON TIGERS

1050	WIQB-SC	1460	WBCU-SC	93.1	WZMJ-SC	102.7	WGUS-GA
1240	WKDK-SC	1460	WDOG-SC	93.3	WTPT-SC	102.7	WPUB-SC
1340	WQSC-SC	1590	WCAM-SC	93.9	WJXY-SC	102.9	WQKI-SC
1340	WRHI-SC			94.7	WICI-SC	103.3	WOLT-SC
1410	WPCC-SC	92.1	WBHC-SC	95.7	WWBD-SC	104.9	WCCP-SC

DUKE BLUE DEVILS Bob Harris, John Rose

590	WCAB-NC	1240	WCNC-NC	96.7	WKRZ-NC
620	WDNC-NC	1260	WZBO-NC	97.9	WYPT-NC
730	WOHS-NC	1280	WSAT-NC	98.3	WDLZ-NC
850	WRBZ-NC	1440	WLXN-NC	98.3	WIST-NC
990	WEEB-NC	1450	WGNC-NC	104.5	WCCG-NC
1050	WBRG-VA	1490	WSVM-NC	106.1	WNMX-NC
1050	WLON-NC	1580	WZKY-NC	106.5	WSFL-NC
1150	WBAG-NC	1590	WCSL-NC	107.9	WDSJ-NC
1230	WCBT-NC				

Today's Christian Music & Teaching
WEPJ
AM STEREO 1240

FLORIDA STATE SEMINOLES

640	WMEN-FL	1320	WBOB-FL	1400	WTKE-FL	94.9	WTNT-FL
850	WFTL-FL	1340	WTAN-FL	1400	WZHR-FL	98.1	WQHL-FL
1040	WHBO-FL	1350	WDCF-FL	1590	WPUL-FL	98.1	WTKE-FL
1060	WIXC-FL	1350	WFNS-GA	1620	WNRP-FL	100.3	WRKN-FL
1080	WHOO-FL	1360	WKAT-FL			100.7	WFLA-FL
1250	WQHL-FL	1370	WOCA-FL	93.5	WBGF-FL	100.9	WJAQ-FL
1270	WNLS-FL						

GEORGIA TECH YELLOW JACKETS

630	WNEG-GA	1270	WJJC-GA	1450	WKEU-GA	91.1	WREK-GA
730	WOHS-NC	1300	WIMO-GA	1450	WMVG-GA	92.3	WSGA-GA
790	WQXI-GA	1350	WFNS-GA	1490	WCHM-GA	100.1	WQMJ-GA
790	WSFN-GA	1370	WLOP-GA	1590	WALG-GA	101.9	WJFL-GA
1050	WLON-NC	1420	WPEH-GA	1590	WTGA-GA	103.9	WDDK-GA
1230	WNRR-GA	1440	WLXN-NC			107.1	WTSH-GA
1240	WGGA-GA	1450	WGNC-NC				

MARYLAND TERRAPINS Johnny Holliday

930	WFMD-MD	1450	WTBO-MD	1690	WPTX-MD	105.7	WHFS-MD
1050	WMSG-MD	1460	WEMD-MD			106.7	WJFK-VA
1330	WJFK-MD	1490	WARK-MD	101.1	WQMR-MD		

NORTH CAROLINA TARHEELS

590	WCAB-NC	1160	WODY-VA	1450	WGNC-NC	94.1	WTHZ-NC
610	WFNZ-NC	1240	WJNC-NC	1450	WHKP-NC	96.5	WFLB-NC
630	WMFD-NC	1240	WSQL-NC	1450	WIZS-NC	96.7	WKJX-NC
730	WOHS-NC	1300	WYSD-NC	1450	WQNT-SC	97.1	WYND-NC
900	WAYN-NC	1310	WISE-NC	1460	WHBK-NC	97.7	WGTI-NC
900	WIAM-NC	1340	WJRI-NC	1490	WSTP-NC	97.9	WTRG-NC
920	WPTL-NC	1360	WCHL-NC	1520	WDSL-NC	99.7	WRFX-NC
930	KWOC-MO	1370	WTAB-NC	1540	WTXY-NC	102.3	WECR-NC
1010	WSPC-NC	1400	WSIC-NC			102.7	WCNG-NC
1050	WLON-NC	1430	WMNC-NC	92.1	WCDG-VA	105.5	WFJA-NC
1150	WBAG-NC	1430	WRXO-NC	92.1	WMNC-NC	106.1	WRDU-NC
1150	WGBR-NC	1440	WLXN-NC			107.3	WTKF-NC

NORTH CAROLINA STATE WOLFPACK

570	WWNC-NC	1200	WSML-NC	1580	WZKY-NC	99.3	WQDK-NC
600	WSJS-NC	1260	WKXR-NC	1590	WCSL-NC	100.9	WIFM-NC
630	WMFD-NC	1290	WJCV-NC			101.5	WRAL-NC
640	WFNC-NC	1300	WLNC-NC	95.7	WXRC-NC	102.3	WFNC-NC
900	WAYN-NC	1300	WSYD-NC	97.9	WNBB-NC	102.3	WPTM-NC
1050	WLON-NC	1370	WTAB-NC	98.3	WDLZ-NC	104.9	WFMZ-NC
1050	WWGP-NC	1390	WADA-NC	98.9	WNBR-NC	105.5	WFJA-NC

VIRGINIA CAVALIERS.

This is a partial list of new Washington area outlets. We need an updated network list.

1580	WHFS-MD			94.7	WTGB-MD	106.7	WJFK-VA
------	---------	--	--	------	---------	-------	---------

VIRGINIA TECH HOKIES

690	WNNT-VA	1230	WXCF-VA	1450	WMVA-VA	100.9	WNNT-VA
790	WNIS-VA	1240	WKEZ-VA			102.5	WOLD-VA
910	WRNL-VA	1240	WTON-VA	92.1	WDIC-VA	103.9	WXCF-VA
980	WFHG-VA	1360	WWWJ-VA	92.7	WWXT-MD	105.3	WBRW-VA
980	WTEM-DC	1380	WLRV-VA	93.5	WBBC-VA	105.7	WMXH-VA
1050	WGAT-VA	1400	WKAV-VA	94.3	WWXX-VA	105.9	WLNI-VA
1140	WRVA-VA	1400	WINC-VA	95.3	WXBX-VA	106.1	WJJS-VA
1200	WAGE-VA						

WAKE FOREST DEMON DEACONS

730	WOHS-NC	1350	WZGM-NC	96.7	WKRX-NC		<i>(To be continued: Big East Conference men's basketball networks)</i>
1050	WLON-NC	1440	WLXN-NC	98.1	WBRF-VA		
1250	WBRM-NC	1450	WGNC-NC	101.1	WZTK-NC		
1280	WSTP-NC	1490	WWNB-NC				

National Radio Club

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

NRC Board of Directors: John Bowker (jbowker@tampabay.rr.com): **NRC Ombudsman** - 1811 Fort Duquesna Dr. - Sun City Center, FL 33573-5035; Ken Chatterton <krazyken@tcenet.net>; Bill Hale <w_r_hale@sbcglobal.net>; Wayne Heinen <amradiolog@nrcdxas.org>; **Chairman**; **NRC AM Radio Log Editor** - 4131 S. Andes Way - Aurora, CO 80013-3831; Dick Truax <K9RT@aol.com>; **NRC Treasurer** - P. O. Box 39451 - Louisville, KY 40233-9451.

NRC/IRCA Broadcast Test Coordinator: Jim Pogue - <KH2AR@comcast.net> - P. O. Box 3777 - Memphis, TN 38173-0777.

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

- **NRC Publications** - Wayne Heinen, Manager - P. O. Box 473251 - Aurora, CO 80047-3251 (**What to send: \$ for Publications/Reprint Orders, NRC Product Catalog [send 1st-class stamp], subscription payments, sample requests**).
 - *DX News* - Publisher/Editor - Paul Swearingen <plsBCBDXER@aol.com> - 2840 SE Illinois Ave. - Topeka, KS 66605-4711; 785-224-6907 [leave voice mail]. (**Contributions to *DX News* or DDXA/IDXA only**).
- DX News* yearly subscription (**30 Issues**): (send checks/money orders to National Radio Club - P. O. Box 473251 - Aurora, CO 80047-3251) U. S. Address: U\$33.00; Canadian Address: U\$43.00; all other countries: U\$57.00.

- **DX Audio Service** - Fred Vobbe, Publisher/Producer - 706 Mackenzie Drive - Lima, OH 45805-1835, 360-382-1957 (**recordings for the Audio**

National Radio Club, Inc.

P. O. Box 473251

Aurora, CO 80047-3251

Service; \$ for subscriptions; DXAS address changes)
DX Audio Service yearly subscription (twelve 90-minute tapes, mailed on or about the 20th of each month) (send new and renewal subscriptions to Fred Vobbe): One-year First-Class Mail subscription to DX Audio Service to USA, Canada addresses: U\$28.00; all other addresses: U\$40.00
• **e-DXX.com**: To subscribe: Access the e-DXX web site <http://e-dxn.com> and then follow the indicated links to register: +\$5.00 if you're already a DXN or DXAS subscriber; \$15.00 to non-subscribers.

- Payment options for any item: U\$ funds only: check, money order, or credit card (via PayPal - access <www.nrcdxas.org> **ONLY** and follow the links), or cash only at your risk.

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

National Radio Club.

DX News is printed by Benjamin Printing, Inc. - 311 State St. - Watertown, NY 13601

First-Class Mail
U. S. Postage
PAID
Watertown, NY
Permit #150