Inside …

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

From the Publisher … Here’s wishing you and yours a most thankful Thanksgiving holiday!

MDWX Chat … From Gary Wilt: “You are invited to chat on the #mdwdx 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 #mdwdx. 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 #mdwdx 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, Pennville, 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

|-------------------|-------------|-------------|-------------|-------------|------------|-------------|------------|------------|------------|------------|-----------|

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 HQ-60.

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.”
CALL LETTER CHANGES

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

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<tr>
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<th>Call Letters</th>
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<td>KLOH</td>
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<td>Sarasota</td>
<td>WSRQ</td>
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APPLICATIONS FOR NEW STATIONS

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AM-to-FM MIGRATION

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<td>101.1 MHz</td>
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DISMISSALS

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LICENSE CANCELLATIONS/CALL LETTERS DELETED

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<td>600</td>
</tr>
<tr>
<td>New FM</td>
<td>Red Lake</td>
<td>1340</td>
</tr>
</tbody>
</table>

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 WDOW-1440 Dowagiac, Michigan (and their FM station) for failure to file for renewal in a timely manner.

- Thanks to Shawn Axelrod, Ken Chatterton, Bill Dvorak, Wayne Heinen, and Deane McIntyre.
Domestic DX Digest

West: Bill Dvorak westlogs@aol.com
3358 Ridgeway Ave. - Madison, WI 53704-4327

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/lnsound/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, 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.
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 Bung er 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)


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.

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 KKGN 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 KKGN CA and CFAC AB running Monday Night Football. Heard in the mix mentions of Columbia Tire Store and waste management program. KLAD OR? Poor. (DP-HI*)

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 KFYR ND Bismarck. 11/8 2320. “Sunday on AM 550 KFYR” by male announcer. Briefly strong signal then faded. 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. HSFB game with the Calais-Woodland Silverados vs. Bucksport. Ads mentioned a brewer, and two IDs. New !! ME #4 (NK-WI)

KCMO MO Kansas City. 11/7 0605. “Newstalk 710 KCMO weather...” up briefly with KNUS phased. (WH-CO)

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)

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)

CKJH SK Melfort. 11/8 2201. “You’re listening to SHL Hockey on CK-750” mixing with KHWG. (WH-CO)

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)

KMMJ NE Grand Island. 11/9 0704. After SRN news “...KMMJ AM 750 Grand Island, Nebraska” to religious programming. (WH-CO)

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)

KURM AR Rogers. 11/9 1815. Local advertisement with 479 area code. Fair. New. (GH-IL)

WVAL MN Sauk Rapids. 11/12 0844. C&W vocal piece, then “Here on WVAL” by male announcer. Weak in WKZI/CJLW null. New. (GH-IL)

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)

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*)

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)

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)

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)

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 KKGN 960 HD carrier, heavy QRM. (DP-CA2)

KCOF 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)

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)

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)

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)

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)

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 KDIIX ND Dickinson. 11/6 0758. “...North Dakota’s ag leader, AM 1230 KDIIX” to nostalgia music. New for me and taped! (WH-CO)


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 0650. Insurance ad, then KWHN/KYHN dual ID, followed by ESPN programming. (WH-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 KKKB 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 KVNN 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)


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)

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 TIS, HAR, Etc.
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/CLQ 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, WYWW, 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-ON)

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 - Caugh “13-20 WJAS” during local news in a rare peak of 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 crostown@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)


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 WKXX 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 WKXX... watchdog... sports”, slogan “...sixteen hundred WKXX 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)

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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.

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**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]

459 **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 VOCM 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 Ariero 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-Aion (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]

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]

PORTUGAL  RDP synchros OCT 29 2217 - Parallel 720 with piano music; behind WPRO. [Connelly-MA]

TUNISIA  ERTT Tunis OCT 8 2255 - Arabic vocal and strings; under WPRO and CHLT. [Connelly-MA]

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]

ITALY  Rai Radiouno synchros OCT 29 2214 - Woman in Italian; poor to fair, dominant. [Connelly-MA]

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]

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]

LIBYA  Libyan Jamahiriya, Benghazi (32°54’N 20°04’E) OCT 8 2259 - Man in Arabic; fair over Netherlands and WRKO slop. [Connelly-MA]

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]

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]

FRANCE  France Info, Rennes (47°51’N 1°30’W) OCT 8 2227 - Woman in French; fair over Western Sahara growl. [Connelly-MA]

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]

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]

SPAIN  RNE1 Barcelona (41°23’N 2°12’E) OCT 8 2230 - Spanish newstalk/teletalk; through CHCM slop. [Connelly-MA]

CANARY ISLANDS // SPAIN  RNE5 synchros OCT 8 2228 - Parallel 684 with Spanish news; briefly dominant. [Connelly-MA]

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]

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]

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]

EGYPT  Middle East Radio, Abis (30°45’N 30°57’E) OCT 29 2215 - Arabic talk; over Spain. [Connelly-MA]

SPAIN  RNE1 synchros OCT 8 2230 - R.Nacional de España ID; over others and very echoy. [Connelly-MA]
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]

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]

Spain  
SER Sevilla  
OCT 8 2228 - Man in Spanish; way under France.  [Connelly-MA]

Spain  
RNE1 synchros  
OCT 8 2227 - Parallel 882 with man in Spanish; loud.  [Connelly-MA]

Spain  
COPE synchros  
OCT 8 2232 - Parallel 837 with fast Spanish; noted briefly under France.  [Connelly-MA]

Germany  
NDR Info, Hannover  
OCT 9 0021 - Parallel 1206 with woman in French; on E100.  [Connelly-MA]

France  
France Info, Nancy (48°53’N 6°14’E)  
OCT 9 0021 - Parallel 1206 with woman in French; on E100.  [Connelly-MA]

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]

United Kingdom  
BBC R.Wales, Washford (51°10’N 3°21’W)  
OCT 9 0016 - Talkshow; alternating with 910 WABI on “barefoot” Eton E100.  [Connelly-MA]

Italy  
Rai Radiouno, Milano  
OCT 8 2233 - Woman in Italian; over CKDH.  [Connelly-MA]

Spain  
COPE synchros  
OCT 29 2237 - Parallel 837 with fast Spanish; over pile.  [Connelly-MA]

Romania  
România Actualități, Jucu  
OCT 29 2237 - Parallel 855 with folkish female vocal with Alpine and country influences; under UK.  [Connelly-MA]

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.  
OCT 9 0015 - BBC talkshow; alternating with 910 WABI on “barefoot” Etón E100.  [Connelly-MA]
- Football match with Arsenal team, 4-4 final score; to good peak. [Connelly-MA]

**NIGERIA**  R.Gotel, Yola  OCT 8 2216 - Talk by man and screamer hit 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]

**SLOVENIA**  R.Slovenia, Domzale  OCT 29 2305 - Slavic talk by man, R.Slovenia ID; to good peak over Spain. [Connelly-MA]

**SPAIN**  R.Intercontinental, Madrid  OCT 8 2234 - ‘80s era arena-rock power ballad; to good peak. [Connelly-MA]

**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]

**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]

**CEZCH 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]

**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]

**SPAIN**  Onda Cero, Madrid  OCT 8 2232 - Sport-related Spanish telephone interview, “copa” mentions, some laughing; very good. OCT 9 0011 - Lively Spanish discussion, “yambien” said numerous times; on “barefoot” Eton E100. [Connelly-MA]

**SPAIN**  R.Euskadi, Vitoria  OCT 8 2233 - Spanish talk; slightly over jumble. OCT 29 2202 - Spanish newstalk; dominant. [Connelly-MA]

**GERMANY**  NDR Info, Hamburg (53°31’N 10°07’E)  OCT 29 2303 - Man in German; in bad WZAN slop. [Connelly-MA]

**LIBYA**  Libyan Jamahiriya, Sirte  OCT 8 2233 - Arabic vocal, then talk by woman; in heavy WZAN slop. [Connelly-MA]

**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]

**IRELAND**  R.Star Country, Emmyvyle  OCT 29 2246 - English talk briefly breaking atop Algeria, likely this. [Connelly-MA]

**SPAIN**  SER synchros  OCT 29 2157-2159 - Parallel 873 with excited Spanish sportstalk with pronounced echo; peaking over CBY. [Connelly-MA]

**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]

**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]

**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]

**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]

**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]

**SPAIN**  COPE synchros  OCT 29 2247 - Fast Spanish talk; under UK. [Connelly-MA]

**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]

**ITALY**  Rai Radiouto 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 Irraita, 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 RNE synchros OCT 8 2242 - Parallel 1107 and 1125 with Spanish talk; fair, some echo. [Connelly-MA] NOV 9 2300 - Fair, synchro echo; time marker and fanfare into news. [Conti-NH]

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. [Conti-NH]

1161 SPAIN Euskadi Irraita, 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. [Conti-MA]

1179 CANARY ISLANDS // SPAIN SER synchros OCT 8 2238 - Parallel 1116 with fast teletalk; to good peak. [Conti-MA]

1179 SPAIN SER R.Rioja, Rioja OCT 8 2241 - Local “Radio Rioja” ID. [Connelly-MA]
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]

MOROCCO  RTM B, Casablanca OCT 8 2309 - Rustic Arabic/Berber vocal and drumming. [Connelly-MA]

ANGOLA  Emissora Provincial de Malanje, Malanje OCT 29 2132 - Tentative; weak het. [Connelly-MA]

SPAIN  Euskadi Irratia, Vitoria OCT 8 2241 - Parallel 1071 with Spanish vocal; poor. 2312 Spanish parallel 1071; fair over IBOC hash. [Connelly-MA]

UNITED KINGDOM  Absolute Radio synchros OCT 29 2309 - Parallel 1215 with Bruce Springsteen “Born in the USA,” slightly over others. 2312 Spanish parallel 1071; fair over IBOC hash. [Connelly-MA]

UNITED KINGDOM  Absolute Radio synchros OCT 8 2237 - “Paradise City” by Guns N Roses, D] 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,” snip of several songs; loud, over Spain and Albania. [Connelly-MA]

UNITED KINGDOM  Absolute Radio synchros OCT 8 2238 - Parallel 1224 with Spanish talk; under UK. 2311 teletalk parallel 1143; now slightly over UK. [Connelly-MA]

UNITED KINGDOM  Absolute Radio synchros OCT 8 2237 - “Paradise City” by Guns N Roses, D] 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,” snip of several songs; loud, over Spain and Albania. [Connelly-MA]

UNITED KINGDOM  Absolute Radio synchros OCT 8 2238 - Parallel 1143 and 1224 with Spanish talk; under UK. 2311 teletalk parallel 1143; now slightly over UK. [Connelly-MA]

SPAIN  COPE synchros OCT 8 2228 - Parallel 1143 and 1224 with Spanish talk; mixed with uniD. [Connelly-MA]

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]

SPAIN  SER synchros OCT 29 2209 - unID talk by woman, bad growl against UK. OCT 29 2209 - unID language talk by woman, bad growl against UK. [Connelly-MA]

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]

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]

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.

GERMANY  Deutschlandfunk, Neumünster (54°03’N 9°51’E) OCT 8 2245 - Parallel 1422 with classical music; poor. [Connelly-MA]

IRAN  IRIB 1, Kermanshah OCT 29 2252 - Koranic chant; poor. [Connelly-MA]

SPAIN  SER synchros OCT 29 2137 - Spanish sporting event; to fair peak. [Connelly-MA]

SPAIN  COPE Valencia OCT 8 2336 - Spanish talk; over UK, on E100. OCT 29 2137 - Mentions of “Real Madrid” team; good. [Connelly-MA]

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]

SPAIN  RNE5 synchros OCT 8 2336 - Parallel 1314 with 1215 with Spanish talk; mixed with uniD. [Connelly-MA]

IRAN  R.Tehran, Tehran OCT 29 2250 - Female Mideast vocal; fair. [Connelly-MA]

SPAIN  RNE5 synchros OCT 8 2336 - Parallel 1314 with woman in Spanish; good, on E100. [Connelly-MA]

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]

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]

unID OCT 29 2252 - UK-accented English talk; fair. Either Cyprus or a UK local. [Connelly-MA]

IRAN  R.Tehran, Tehran OCT 29 2250 - Female Mideast vocal; fair. [Connelly-MA]

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]
NORTHERN IRELAND  BBC Radio Ulster, Lisnagarvey (54°30’N 6°04’W) OCT 8 2243 - Celtic folk vocal; over others. [Connelly-MA]

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]

UNITED KINGDOM  unID OCT 29 2136 - Man said “ready to change your life;” briefly popping up over Spain. [Connelly-MA]

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]

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]

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]

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]

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]

GERMANY  Voice of Russia, Wilsdruff  NOV 9 2220 - Over R.Sawa Djibouti; classical opera vocal. [Conti-NH]

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]

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]

ALBANIA  Filakë (41°22’N 19°31’E) OCT 29 2146 - Slavic-sounding male 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]

UNITED KINGDOM  Sunrise Radio, Brookmans Park  OCT 8 2253 - Shrrill Indian female vocal; poor to fair. OCT 29 2143 - Bollywood / dance style shrieky female vocal and thumping bass; fair. [Connelly-MA]

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]

MELILLA // SPAIN  SER synchros  OCT 8 2253 - Echoey Spanish; poor in WBAE slop. OCT 29 2143 - Spanish sports talk; poor to fair. [Connelly-MA]

FRANCE  France Info synchros  OCT 29 2300 - Parallel 1557 with fanfare music, French news; poor. [Connelly-MA]

SAUDI ARABIA  BSKSJ 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]

SAUDI ARABIA  BSKSJ 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 9 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]

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]

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]

**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]

**MOLODOVA**  
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]

**UNITED KINGDOM**  
BBC R.Bristol, Mangotsfield OCT 8 2249 - BBC commentary on London, 1968; over Kuwait. [Connelly-MA]

**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]

**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]

**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]

**ITALY**  
Rai Radiouno synchros OCT 29 2259 - ID “RAI, Radiotelevizione Italiana” popped up over UAE. [Connelly-MA]

**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]

**CEUTA**  
RadiOlé, Ceuta (35°53’N 5°17’W) OCT 8 2249 - Operatic vocal; to good peak over SER. [Connelly-MA]

**SPAIN**  
R.Vitoria, Vitoria OCT 8 2249 - Spanish talk; mixing with SER. [Connelly-MA]

**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]

**VENEZUELA**  
YVQE Oriente, Porlamar (10°56’N 64°12’W) OCT 8 2226 - Oriente ID; mixed with Canaries. OCT 29 2231 - R.Venezuela and Oriente mentions, Venezuelan national anthem; slightly over jumble. [Connelly-MA]

**CUBA**  
CMDT R.Reloj, Sancti Spíritus (21°56’N 79°26’W) NOV 7 2205 - Talk and time pips. New. [Paszkiewicz-WI]
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.
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IRCA BOOKSTORE - 9705 MARY NW - SEATTLE WA - 98117-2334 (payPal email: phil_tekno@yahoo.com). Please state club affiliation when ordering.
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 IC-701 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 there 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/amandx/Tar\_getsheet.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.)

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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

<table>
<thead>
<tr>
<th>Name</th>
<th>Stations Heard</th>
<th>Receiver</th>
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<tbody>
<tr>
<td>Allen Willie, St. Johns, NF</td>
<td>134</td>
<td>Sony M37V</td>
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<tr>
<td>Ira Elbert New III, Watkinsville, GA</td>
<td>68</td>
<td>Sony SRF-M37</td>
</tr>
<tr>
<td>John Glover, Naperville, IL</td>
<td>33</td>
<td>Sangean DT-400W</td>
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NORTH AMERICAN DX

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

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<th>Name</th>
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<td>48,351 km</td>
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<td>Allen Willie, St. Johns, NF</td>
<td>45,170 km</td>
<td>Sony M37V</td>
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Unlimited Receiver Class
STATIONS HEARD

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<tr>
<th>Name</th>
<th>Stations Heard</th>
<th>Receiver</th>
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<tr>
<td>Kirk Allen, Ponca City, OK</td>
<td>99</td>
<td>Eton e100/Select-A-Tenna</td>
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NORTH AMERICAN DX

<table>
<thead>
<tr>
<th>Name</th>
<th>Distance</th>
<th>Receiver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gary DeBock, Puyallup, WA</td>
<td>51,699 km</td>
<td>Slider e100 + Murata CFJ455K5 IF Filter</td>
</tr>
<tr>
<td>John Bryant, Eastsound, WA</td>
<td>50,664 km</td>
<td>Slider e100 + Wellbrook Array</td>
</tr>
<tr>
<td>Dennis Vroom, Vancouver, WA</td>
<td>48,143 km</td>
<td>Slider e100 + EWE-NW</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Stations Heard</th>
<th>Frequency</th>
<th>Callsign</th>
<th>UTC</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allen Willie, St. Johns, NF</td>
<td>134</td>
<td>1512 kHz</td>
<td>BSKSA</td>
<td>21:27 UTC</td>
<td>10/25/08</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1548 kHz</td>
<td>R. Sawa</td>
<td>21:29 UTC</td>
<td>10/25/08</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1503 kHz</td>
<td>Kuwait City</td>
<td>21:43 UTC</td>
<td>10/25/08</td>
</tr>
<tr>
<td></td>
<td></td>
<td>909 kHz</td>
<td>RNE5</td>
<td>3:07 UTC</td>
<td>10/29/08</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1120 kHz</td>
<td>WCCO</td>
<td>3:12 UTC</td>
<td>10/25/08</td>
</tr>
<tr>
<td></td>
<td></td>
<td>549 kHz</td>
<td>RTA1</td>
<td>21:31 UTC</td>
<td>10/25/08</td>
</tr>
<tr>
<td>Ira Elbert New III, Watkinsville, GA</td>
<td>68</td>
<td>610 kHz</td>
<td>WAGG Birmingham, AL</td>
<td>A difficult station for me, at best.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>740 kHz</td>
<td>KRMG</td>
<td>Usually covered by CHWO in Toronto, Canada.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>830 kHz</td>
<td>WCCO</td>
<td>Nice to hear something from so far away.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1080 kHz</td>
<td>WKJK</td>
<td>One of my first DX catches way back when.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1260 kHz</td>
<td>WSDZ</td>
<td>Perhaps the most difficult R. Disney station for me.</td>
<td></td>
</tr>
</tbody>
</table>
John Glover, Naperville, IL 33 stations Sangean DT-400W
Best Catches
540 kHz - CBK, Regina, SK50kW 1731 kmFarthest station heard 540 kHz - KWMT, Ft. Dodge, IA 0.17kW 507 km Hiding under CBK
650 kHz - KGAB, Orchard Valley, WY, 0.5kW 1391 kmVery 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 KSLSalt Lake City Utah 4672 km
2. 0211 UTC 10/25/08 1180 kHz VOA Marathon, Florida 3560 km
3. 0927 UTC 10/25/08 540 kHz XEWA, S Luis Potosi, Mexico 3423 km
4. 0922 UTC 10/28/08 1100 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, 20081025, 540 kHz XEWA, S Luis Potosi, Mexico 1560.2 km.
2. 1005 10/25 1540KXEL Waterloo, IA 1560.2 km.
3. 1005 10/26 1120KMOX St. Louis, MO 1536.4 km.
4. 0956 10/29 750WSB Atlanta, GA 1518.3 km.
5. 1037 10/29 1040 WHO Des Moines, IA 1472 km
Total = 7879.4 km

Ira Elbert New III, Watkinsville, GA 6,946 km Sony SRF-M37
1. 21:54 11/02 830 WCCO Minneapolis, Minnesota 1523 km
2. 22:09 11/02 08 1200 WOAI San Antonio, Texas 1472 km
3. 22:04 11/02 08 1030WBZ 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
Total: 48,351 km

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

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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.

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-rodded 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 nullled. 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.

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

*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.

---

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SELECTIVITY

STATION

Slider + Filter E100

Slide-Only E100

Filter-Only E100

Stock Model

700-KXLX

weak; little 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

960-KALE

mod., no 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. KKKM slop

all KKKM slop

all KKKM slop

1460-KARR

mod., no KUSU slop

*mod., mod. KUSU slop

trace, no slop

all KUSU slop

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

Selectivity Summary:
The Slider + Filter model has a decided advantage across the band in total reception of weak ad-
jacent-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 adja-
cent-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 selectivity 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

Slider-Only E100
with serious domestic splatter)

Filter-Only E100

Stock Model

Stock Model Verdict
The basic E100 model, currently offered at $44.97 from Durham Radio (mention dxer.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 E100s, 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-intensive 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-SSW (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...
30

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-rodded 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.)

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**College Sports Networks**

Network listings for college sports stations

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

BUCKNELL BISONs (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 |
| 1240 WKDK-SC | 1460 WDOG-SC | 93.3 WTPT-SC |
| 1340 WQSC-SC | 1590 WCAM-SC | 93.9 WJXY-SC |
| 1340 WHRI-SC | 94.7 WICI-SC | 103.3 WOLT-SC |
| 1410 WPCC-SC | 92.1 WBHC-SC | 95.7 WWBD-SC | 104.9 WCCP-SC |

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<th>DUKE BLUE DEVILS</th>
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<td>590 WCAB-NC</td>
<td>1240 WCNC-NC</td>
<td>96.7 WKRZ-NC</td>
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<td>620 WDNK-NC</td>
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<td>730 WOHS-NC</td>
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FLORIDA STATE SEMINOLES

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<td>Tallahassee</td>
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GEORGIA TECH YELLOW JACKETS

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MARYLAND TERRAPINS

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NORTH CAROLINA TARHEELS

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NORTH CAROLINA STATE WOLFPACK

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VIRGINIA CAVALIERS

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VIRGINIA TECH HOKIES

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WAKE FOREST DEMON DEACONS

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<td>Winston-Salem</td>
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