

November 30, 2002 - Volume 40, Number 12 - Edition 1269 - ISSN 899-9733

The Signs Have Ears

Do you DX while you drive? Now your DXing will be DXed... a story in the November 24, 2002 *Sacramento Bee* reports that, starting next month, "billboards will scan radios and tailor pitches to match listening preferences." Two large electric signs along I-80 in Sacramento and suburban Roseville are being equipped with sensors that pick up radio frequencies from vehicles passing by. According to Alaris Media Network president Tom Langlund, the sensors will be able to determine the radio station playing in 60 percent of the cars passing by. This means that during the day's peak traffic hour, 10,000 cars will be scanned near Cal Expo and 7,000 near the Roseville Auto Mall. Advertisements will be shown based on listener preferences. The signs, made up of thousands of lightbulbs, act like giant monitors capable of showing pictures as well as text, and can change messages frequently. Langlund asserts that advertisers will find out which stations are most popular during various times of the day, and that a person's favorite station is "a good indicator of a person's demographic group—and buying tendencies." The full story can be found at <http://www.sacbee.com/content/news/story/5349258p-6338265c.html>.

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KLAC Format Change

Gary Larson sent in clippings reporting the impending format change from talk to adult standards for KLAC-570, Los Angeles. The new KLAC debuts December 12, Frank Sinatra's birthday. Another clipping reports that Glendale's city council allocated funds for a Travelers Information Station. The antenna will go atop the city's parking structure.

KFBK's 80th Anniversary

Gary Jackson was able to attend the KFBK 80th Anniversary "Decades of Excellence" party on Friday, November 8, hosted by Rush Limbaugh at the Hyatt Regency Sacramento. He sent a copy of the program, and it detailed the station's early history. "KFBK

signed on in 1922 as KVQ. It was owned by Hobrecht Electric and was founded for the sole purpose of helping them sell radios in their store... In 1925 the station's ownership was partnered with the McClatchy Company, who owned the *Sacramento Bee*. Eleanor McClatchy took over as KFBK's manager in 1936." [Later, the company was owned by Westinghouse, and finally, through a series of media mergers, became part of Clear Channel Communications. —RT]

DX Tests

PLEASE NOTE: Even if you don't hear a test, be sure to contact the station, and thank them for going to the trouble to run a test! Please remember, what's listed as being on, say, Monday morning "may" be what you think of as Sunday night! (Test times are in the station's LOCAL time.)

Sunday, December 1, 2002 - WLCR-1470, Louisville, KY (COL Shepherdsville, KY) Another DX test will be held at this time to make up for the test held October 21. Time is scheduled for 3:00 - 4:00 am EST, with 750 watts from 2:45 - 3:15 am. Reception reports may be sent to:

Vince Heuser
WLCR-AM
3600 Goldsmith Lane
Louisville, KY 40220

E-MAIL:
heuser@jglou.com
WEB:
<http://www.wlcr.net>



(Arranged by Lynn Hollerman for the IRCA CPC.)

Sunday, December 15, 2002 - WILM-1450, Wilmington, DE will conduct a test from 1:00-2:30am EST. The test will include special music, Morse code, and special effects noises during WILM's regular programming. Reception reports may be sent to:



Mr. Allan Loudell, Program Director
WILM Radio
1215 French St.
Wilmington, DE 19801

A few phone calls may be taken during the test: (prepaid only) 302-656-9800. (Arranged by Allan Loudell for the NRC CPC—thanks Paul Swearingen)

If you try for (or hear) any of these tests, PLEASE post a message letting me know, and please, drop the station personnel a note, via e-mail or snail mail, thanking them for running the test! Lynn (ircamember@ircaonline.org)

WESTERN DX ROUNDUP

Editor: Nancy Johnson -265 Waterton Way- Billings, MT 59102-7755

E-mail: NancyJohnson@prodigy.net

WDXR DEADLINES: Each Friday. Please use Eastern Time.

REPORTERS FOR THIS ISSUE:

- (CB) Craig Barnes-Golden, CO bevdxer@yahoo.com
R8A, DX 398, 380' unterminated EW longwire, Wellbrook K9AY with original area x 3 with full length counterpoises
- (LG) Larry Godwin-2390 Clydes Dale Lane-Missoula, MT 59804 lbg@selway.umt.edu
Hammarlund HQ-150, Sanserino air-core box loop & Kiwa loop
- (GH) Glen Hansen-105 McBride St.-St. Helens, OR 97051
skinner@columbia-center.org
Hammarlund HQ-150, Drake R8B, amplified Sanserino loop, 70' wire N/S
- (GJ) Gary Jackson-7735 Center Parkway-Sacramento, CA 95823
- (PM) Patrick Martin-P.O. Box 843-Seaside, OR 97138-0843 mwdxer@webtv.net
Drake R8, 1500' Eastern Beverage, EWE antenna
- (BN) Bill Nittler-Box 824-Mancos, CO 81328 nittlers2@frontier.net
Drake R8A
- (5P) Dale Park-Honolulu, HI visiting Northern California dxfool@aol.com
(5P-CA1) DX'ing in Mountain View, CA with Sangean ATS-818CS, Terk AM 1000 loop
(5P-CA2) DX'ing in Santa Clara County, CA with Toyota car radio
- (DP) Doug Pifer-3410 Marion St. SE-Albany, OR 97321 oregon4wd@attbi.com
Yaesu FRG-7000, Kiwa loop

- (NP) Nigel Pimblett-Medicine Hat, AB nip@shockware.com
Kenwood R-5000, Beverage antennas
(NP-AB1) DX'ing from Lamont, AB with R-500, Beverage antennas
- (PT) Pete Taylor-6002 Bayview Dr. NE-Tacoma, WA 98422 ptdx@att.net
Sony ICF-2010 & Kiwa loop
- (RT) Rich Toebe-2103 Sargent Ct.-Davis, CA 95616 richtoebe@jps.net
Grundig YB-305

OF SPECIAL INTEREST

- 940 KNNZ UT, Cedar City 11/15 1030 now using these calls, ex-KCIN, with new news format. (BN-CO)
- 1670 *KHPY* CA, Moreno Valley 11/22 heard 1930 (tune in) to 2020 with non-stop 80's type rock/AC tearing up Redding at times. Finally at 2015, then buried by Redding an announcer "This is...AM Stereo...KHPY Moreno Valley..1670." During the test the signal would suddenly pop in stronger then weaker, adjusting power and/or directional pattern. They are listed at 10/9kw U4. At about 2020 the signal dropped off to nothing. I presume end of test. (PM-OR)
- *****
- 540 KSRK CA, Carmel Valley 10/2 1550 network ads, back to Sean Hannity; more network ads; back to show at 1558, PSA, Hannity talk cut off by man with ID "News, talk and sports for the Monterey Bay, AM 5-40 KSRK Carmel Valley-Salinas-Santa Cruz, The Talk of the Monterey Bay." Brief bit of dead air, then into ABC news (not AI or Ae). Poor, heavy with noise. (SP-CA1)
- 550 CKPG BC, Prince George 11/18 0120 "Under the Boardwalk" by the Drifters and ad for local towing company, way over KOAC. Seldom heard. (GH-OR)
- 590 KSSJ CO, Pueblo 11/11 0005 weather, ID as "Newstalk 590 KSCJ." (NP-AB)
- 630 CKOV BC, Kelowna 11/18 0000 heard man say "CKOV 63" in the mix, also news about hijacker on Israeli airliner. (GH-OR)
- 640 KGVW MT, Belgrade 11/13 2259 poor to fair in KFI null. (PT-WA)
WWLS OK, Moore 11/16 1815 with full ID "The Sporting Animal, 640 WWLS," Texas-Texas Tech update, additional scores, etc., Olda car dealer ad, strong on peaks. (CB-CO)
- 680 KFEQ MO, St. Joseph 11/16 1832 ID "This is KFEQ," PSA and into Jimmy Buffet "Margaritaville" song, fairly dominant. (CB-CO)
+Has been conspicuous here lately. ID'd after Sunday religious program at 0800, and also after NOS tune and before ABC news at 2300 on 11/17. Also noted with C&W and ID at 2217 on 11/19, and with local weather at 0755 on 11/20. Maybe on day pattern, as I'd only heard it once before. (LG-MT)
- KKGR MT, E. Helena 11/15 1845 "Helena's original hit parade 68 KGR," over KFEQ. (BN-CO)
+11/20 0901 gave local commercials on illegal schedule, tearing up KNBR. I phoned station to complain. (LG-MT)
- CJOB MB, Winnipeg 11/20 noted with sports, then ID at 0900. (LG-MT)
- 690 KGGF KS, Coffeyville 11/16 1857 ID "AM 690 KGGF," CU Buffs update, Heisman vote interview with "Beano" sports commentator, additional college football updates, good signal. (CB-CO)
- KOAQ NE, Terrytown 11/10 2045 ad looking for sales people, mentioned 27 years serving western NE and eastern WY. (NP-AB1)
- ?CBU? BC, Vancouver 10/2 0458 end of R. Netherlands program using same closing theme as in the shorewave version, mention that program was via World Radio Network; CBC show promos; ID "CBC Radio One" and network news, BC weather, into R. Australia program. Fair with XETRA and Mexican station underneath. (SP-CA1)
- 710 KUET AZ, Black Canyon City 11/16 1900 ID "710 AM KUET, Black Canyon City," NOS format. (CB-CO)

- 730 KDAZ NM, Albuquerque 11/16 1944 ID "In the heart of New Mexico, this is your all new KDAZ." Strong enough that I wonder if they were still on day power. (CB-CO)
- KKDA TX, Grand Prairie 11/16 1920 ID "AM 730 KKDA," mixing with KDAZ and La Mexicana (presumed to be KSVN), UC format. (CB-CO)
- 740 KBRT CA, Avalon 11/15 0959 nice surprise, I was expecting CBX. (PT-WA)
- 760 KFMB CA, San Diego 11/18 0140 ad for Jennings law firm, choppy signal over unID's. (GH-OR)
- 890 KLFF CA, Arroyo Grande 11/23 fair with Sports Spectrum, into Father's program, ID at 1258 "890 AM," then into news. ID at 1300 "KLFF Arroyo Grande," with "Grande" cut off. Not a bad signal for several hours after LSR. Their 5kw ND gets out well. (PM-OR)
- CJDC BC, Dawson Creek 11/17 0236 ID "Radio 890, CJDC," Christian C&W style ballads, mixing with presumed KVOZ (La Cadena Cristiana)," decent on peaks. (CB-CO)
- 900 CKBI SK, Prince Albert 11/14 0120 ad for "Crime Stoppers" than ID. Very weak but all alone in the static. Not heard for a while. (GH-OR)
- 920 CFRY MB, Portage la Prairie 11/15 a nice surprise, and strong, with commentary, the C&W and ID at 0800. New. Main QRM was splatter from KLCY-930. (LG-MT)
- 960 KSRA ID, Salmon played "River of No Return" by Tennessee Ernie Ford, then s/on at 0800 11/7, 11/8 and 11/22. Pretty strong. (LG-MT)
- 980 KJOX WA, Selah was strong ID'ing as "Talk 980, K-USA, Yakima," as per NRC Log, at 1000 on 11/12. CNN news followed. How can they get away using this ID? (LG-MT)
- 1010 KSIR CO, Brush 11/23 0900 booming in with top of hour ID, news, then "Farm Radio AM 10-10 KSIR Brush-Ft. Morgan" ID's, gave dual time zone check of "8:06 Central, 7:06 Mountain," into farm oriented business report. Oddly, this was stronger than KTWO! New from Davis. (RT-CA)
- 1010 KGUY OR, Milwaukie 11/19 1927 country music and ID as "Portland's favorites on K-Guy Country." Rare here. (NP-AB)
- KIQN UT, Tooele 11/19 1929 came through CBR quite well with several references to "The News Station" and "10-10 KIQ" ID. (NP-AB)
- 1020 KYXE WA, Selah 11/17 0155 female announcer with KYXE ID in English. Very weak in & out of the slop. New. (GH-OR)
- CKVH AB, High Prairie 11/17 0115 announcer said "A convoy of hits on 1020 CKVH" suddenly up out of the jumble and soon lost to KYXE. (GH-OR)
- 1060 KYW PA, Philadelphia 11/8 2355 man reading the news, ID as "KYW Newstime 11:55." (NP-AB)
- 1170 KJJJ CO, Windsor s/on weak, in Spanish at 0759 on 11/18, with no anthem. (LG-MT)
- 1200 KYAA CA, Soquel 10/2 1453 DJ Dennis Miller saying goodbye, ads, station jingle, more oldies, promo saying "The greatest hits of the 50's, 60's and 70's, the rebirth of a legend, KYA AM 12 hundred, The Oldies Channel." Art Garfunkel song followed by "Good times, Great Oldies, from KYAA Soquel-Monterey-Salinas-Santa Cruz, AM 12 hundred The Oldies Channel KYA." Fair (weak for 25kw), some KDYA-1190 splatter. (5P-CA2)
- 1220 KSFB CA, Palo Alto 11/16 with ID 0000, alternating with KCCS through KBSG-1210 slop. (PT-WA)
- KLVZ CO, Denver gave call ID, weak, at 2258 on 9/10 in QRM. Heard again at 0758 on 11/14, then into an oldie tune. (LG-MT)
- 1230 KEXO CO, Grand Junction was on top in Spanish with Ranchera music at 0800 on 11/11, followed by legal ID in English spoken by a man through an echo chamber. This one really gets out. (LG-MT)
- 1240 KWIK ID, Pocatello ended Paul Harvey and gave lone ID for KID-590. I think this was at 0800 on 11/15. (LG-MT)

- KODY NE, North Platte 11/4 ID'd as "Newstalk 1240, KODY" atop frequency at 2300. QRM from KBL. Rare. (LG-MT)
- 1250 KBRF MN, Fergus Falls 11/19 2030 with ID "Good Neighbor Radio, AM 1250 KBRF, Fergus Falls," into CNN news, PSA for Fergus Falls American Legion, strong signal (R8A & K9AY). (CB-CO)
- 1260 KSUR CA, Beverly Hills 11/15 1006 "The Surf, So. Cal's new radio station." (BN-CO)
- 1270 KJUG CA, Tulare 11/18 was weak but by itself at 1000 with legal ID. New. (LG-MT)
- 1280 KIT WA, Yakima 11/11 0100 "News, weather, sports, and talk, that's us, 1280 KIT Yakima," into ABC news. (NP-AB1)
- 1310 KEIN MT, Great Falls 11/17 2350 with clear ID "KEIN," NOS format, song "Born Free," into CBS news on UN-Iraq weapons inspectors, descent on peaks. (CB-CO)
- 1320 KSCR OR, Eugene 11/9 2100 "The Score" with surprise ID through KXRO and CJMB. New. (PT-WA)
- KXRO WA, Aberdeen 11/16 1835 man said "When you need to know... it's KXRO," under & over unID but mostly on top. Weak. (GH-OR)
- 1350 KDIO MN, Ortonville 11/19 0117 with ID "1350, KDIO," C&W music, mixing with KGHF, decent on peaks (DX-398 and Quantum loop). (CB-CO)
- KRLC WA, Clarkston 11/16 1815 ID as "Red, white & blue country, 1350 KRLC." Weak but mostly on top of unID that I suspect was KSRO. (GH-OR)
- 1400 KJDY OR, John Day 11/13 s/on with SSB at 0900. (LG-MT)
- KSRR UT, Provo 11/16 0431 fair, faded in & out a few times. Heard slogan three times with the best ID at 0159 "1400 K-Star is KSRR Provo." Songs from Bread and Paul Davis. New. (DP-OR)
- 1410 ?KCAL? CA, Redlands 11/16-18 0600 poor under CFUN with only minor KERN QRM. Almost non-stop Ranchera. Heard one "Radio Tri-Color" in three days of sitting on 1410. Frequently heard "Todos Exitos, Mas Exitos and Uno Exitos" plus this slogan or ad/product? After every couple of songs "ka-ke-ko-ka, una suena" Clue anyone? (DP-OR)
- 1480 KSDR SD, Watertown 11/11 0027 ad for western wear store in Watertown. (NP-CB1)
- KBMS WA, Vancouver 11/20 1400 noticed format change from UC-AC to UC-OLD, now "Solid Gold Soul." (PM-OR)
- 1490 KWOK WA Hoquiam 11/9 0924 local ads, ID as "1490 KWOK, Sporting News Radio." (NP-AB1)
- KLOG WA, Kelso 11/5 1000 was readable with ID under pest KCID-ID. (LG-MT)
- 1600 KGST CA, Fresno 11/22 strung in Spanish atop KSGO (also in Spanish) and KVRI at 0753 with "La Mexicana" ID. (LG-MT)
- 1550 ?KXEX? CA, Fresno 10/3 2215 ranchera music noted over/under surprisingly weak local KYCY carrying Tom Leykis. Heard in Cupertino. (5P-CA2)
- 1560 KNZR CA, Bakersfield 10/4 0916 sports promos, back to AP news feed at 0920. Poor to good; still audible at 1002 tune-out. (5P-CA1)
- 1610 WNMQ214 CA, Newark 10/2 1540 woman with various announcements regarding the Alameda County Water District, road construction, reminder about water pollution prevention, etc. ID as "This is WNMQ214 (sounded like WNST214) Radio Newark 16-10 AM." Poor; better heard driving on the Dumbarton Bridge. (5P-CA1)
- WDSG912 CA, San Bernardino I talked to head of CalTrans today and found that correct call letters of my 11/10/02 0500-0600 catch is WDSG912, not WPST912. Location is at I-15 and Bailey Rd, San Bernardino County, over 200 miles away. (GJ-CA)
- WPKV296 WA, Toppenish 11/19 1938 man mentioning Toppenish murals and Thanksgiving weekend events, etc. One of my most regular TIS catches this season. (NP-AB)

- WPHF829 WA, Spokane 11/19 1945 "Welcome to Spokane International Airport, the gateway to the inland northwest..." then security and parking info. Not nearly as common as it used to be. (NP-AB)
- HAR WY, Cheyenne 11/19 1914 ID by woman "This is the Colorado and Wyoming Department of Transportation Highway Advisory Radio WTO681 (?)" then man giving road report. Sounded like the same call I heard on the Carbon County station I heard recently, so perhaps a general call for several WY DOT stations (NP-AB)
- 1620 KYIZ WA, Renton 11/16 0030 Urban Contemporary soul type music with legal ID and no ads noted, weak but all by itself. (DP-OR)
- 1650 KFOX CA, Torrance 10/3 0112 noted in passing with Nelly's "It's Hot in Herre (pronounced "hear")," announcer in Korean explaining the lyrics. Heard by Mineta-San Jose Int'l Airport. (SP-CA2)
- 1700 WPT201 CA, Mountain View 10/2 1442 man with tape loop saying center is operating normally but due to heightened security employees must expect delays in getting around & encouraging workers to carpool. ID "The Center Emergency Radio Station at AM 1700 Hundred" and "WPT201 Ames Research Center" with emergency phone number and website www.arc.nasa.gov announced. Fair at 5 miles away. (SP-CA2)

UNIDS

- 910 Weak station at 1000 on 11/22 said it was "The new home of the NFL." Probably KALL, but possibly wanted KGME. (LG-MT)
- 960 Station seemed to ID for two stations: KJNA, then KKSD at 0900 on 11/8. (LG-MT)

Unfortunately, one report had to be edited this week because of tips that were too outdated. We need to keep things current, things heard two months ago are just too old. Nancy 11/23 2100

CENTRAL DX ROUNDUP

Editor: John C. Johnson

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

RIDING GAIN

- [PAL-MN] Paul A. LaFreniere, Grand Marais, MN
 Plafren@boreal.org
 McKay Dymek DR-22, Superadio III
- [RCP-IN] Robert C. Pote, Greenwood, IN
 MrZenith41@aol.com
 Drake R8A, Kiwa loop.
- [JJR-WI] John J. Rieger, South Milwaukee, WI
 JohnJRieger@webtv.net
<http://DX-midAmerica.com>
<http://DXMW.com>
 Icom IC-R75, Kiwa loop, GE Superadio III, Terk AM 1000 loop.

DOWN THE DIAL

- 550 CHLN PQ, Trois-Riveres. 11-17 poor in with others. 06:44 with FF. [JJR-WI]
- 570 WVMI MS, Biloxi. 11-23 poor, alone. 06:31 with "News talk 57 WVMI." [JJR-WI]
- 830 WFNO LA, Norco. 11-17 fair in WCCO null. 06:34 with lively SS chatter. [JJR-WI]

- 970 WBLF PA, Bellefonte. 11-12 poor. 21:00 with Bill O'Reilly promo, ID. // with WRSC-1390. ABC News. New for me. [JJR-WI]
 WDAY ND, Fargo. 11-13 fair. 21:05 out of ABC News with WDAY News. [JJR-WI]
 WMAV IL, Springfield. 11-23 poor, alone. 06:06 with weather, "Hot talk 9-70 WMAV" ID. [JJR-WI]
- 1150 CJRC PA, Gatineau. 11-17 good over CHOC. 06:27 with calls twice after FF talk show. [JJR-WI]
 KRMS MO, Osage Beach. 11-20 fair over quite a few unID stations. 18:35 with news, TC and ID. New for me. [PAL-MN]
- 1570 WPTW OH, Piqua. 11-22 poor in mess. 00:23 with calls. AdCon format. [JJR-WI]
 1590 WHLX MI, Marine City. 11-16 fair in fade up. 22:41 with "14-50 WHLS, 15-90 WHLX." NOS WW1 format. Same feed as WAKR when they faded out. Rare here. [JJR-WI]
- 1630 KKWY WY, Cheyenne. 11-16 faded up briefly under KCJJ. 07:26 clear station ID "You'll love KKWY 1630" followed by country song. This represents my first WY station! [RCP-IN]
- 1650 KWHN AR, Ft. Smith. 11-16 very good with KDNZ barely heard. 07:06 with "News talk 16-50 KWHN. It's presently 37 degrees at the one you can depend on, this is KWHN." [RCP-IN]

UNIDs

- 1630 unID 11-16 unID great signal mixing at times with KCJJ. 07:16 with SS music and talk. Would this be KOME? [RCP-IN]

25 YEARS AGO

November 26, 1967 issue of IRCA's "DX Monitor" ... Linda S. Morby of Louisville, KY said she was 22 and was a teacher at a Christian school ... Bob Lazar of Madison, WI said he was 20 and a student at the University of Wisconsin ... Mike Sapp of Woodbridge, VA said he was a manager at a McDonalds ... Dan Sys of Vancouver, BC said he was 25 and was a Canadian Post letter carrier ... Bill Harms of Spokane, WA told about his DX while in Korea.

OPEN MIKE

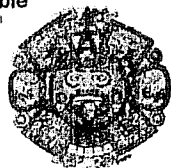
Congratulations to Robert on logging his first Wyoming station. I still have Wyoming 100% heard here. Don't ask about my Indiana loggings. Hope everyone has a nice Thanksgiving. Christmas is not far off. Of course, as probably in your area too, Santa has already made his appearance in the mall(s). We started airing Christmas spots at KTVQ some two weeks ago. This column was typed 11-23-02. 73, John

NEW 2002 VERSION! The IRCA Mexican Log 8th Edition



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 log has been completely updated from the 2001 edition and carefully cross-checked by several IRCA members. **This is an indispensable reference for anyone who hears Mexican radio stations.** Size is 8 1/2" x 11" and three hole punched for easy binding. **Prices:** IRCA/NRC members - \$9.50 (US/Canada/Mexico/sea mail), \$10.50 (rest of the Americas airmail), \$11.00 (Europe/Asia airmail), \$11.50 (Australia/New Zealand airmail). Non-members: add \$2.50 to the above prices.

To order the IRCA Mexican Log from the **IRCA Bookstore**, send the correct amount (in US funds payable to **Phil Bytheway**) to:



IRCA BOOKSTORE, 9705 MARY NW, SEATTLE WA 98117-2334

EASTERN DX ROUNDUP

Editor: Lee J. Freshwater – 414 SE 3rd St. – Ocala, FL 34471

E-mail: ENGWTRS@aol.com

Deadlines are : Sunday 8 AM

STARS OF THE WEEK

(DH-NJ)	David Hochfelder	New Brunswick, NJ Sony ICF-2010 Quantum Loop
(WM-MD)	William McGuire	2412 59th Place, Cheverly MD DX-398

LOGGINGS

550	OH	WKRC	Cincinnati 11/14 1803 "55-K-R-C"	(WM-MD)
690	AL	WJOX	Birmingham 11/14 1725 Local ads hrd	(WM-MD)
	LA	WTIX	New Orleans 11/18 2105 ID after news	(WM-MD)
720	PEI	CHTN	Charlottetown 11/09 2057 "Good Time Oldies" ID	(WM-MD)
770	VA	WYRV	Cedar Falls 11/14 1715 Rel MX hrd; ID; local ments.	(WM-MD)
790	AL	WTSK	Tuscaloosa 11/19 0623 BLK GSPL MX hrd, local events	(WM-MD)
830	MO	KOTC	Kennett 11/14 1734 C&W MX hrd "Real Country"	(WM-MD)
910	NC	WSTK	Jacksonville 11/14 1830 Mention of Duke Univ Net	(WM-MD)
940	GA	WMAC	Macon 11/13 1804 ABC News ; WX; "Newstalk 940"	(WM-MD)
	IL	WMIX	Mt. Vernon 11/10 0015 Good and dominant at times. NOS/ Oldies. Call ID at 0015. Previously logged as "presumed", now Confirmed	(DH-NJ)
950	PA	WPEN	Philadelphia 11/10 0012 "great songs on AM 950 WPEN"	(WM-MD)
1070	ON	CHOK	Sarnia 11/14 1940 Oldies Mx, ID	(WM-MD)
1150	DE	WDEL	Wilmington 11/19 1920 Talk about local HS Football	(WM-MD)
1180	TN	WHJM	Knoxville 11/18 2000 NOS MX hrd; Music of Your Life, ID given as WKCE	(WM-MD)
1280	VA	WYVE	Wytheville 11/18 2328 WX ; ID	(WM-MD)
1290	PA	WFPG	Altoona 11/18 1715 NOS MX hrd; ID	(WM-MD)
1330	OH	WFIN	Findlay 11/13 2100 Talk show; ID; ABC News	(WM-MD)
	PA	WYSN	Somerset 11/11 0100 Good...Running talk show and signoff at 0100 Monday morning. Call & City ID before s/off. New	(DH-NJ)
	PA	WYSN	Somerset 11/13 2232 Local mentions then back to Jim Bohannon Program	(WM-MD)
1350	OH	WTOU	Akron 11/18 2200 "Ohio's sports leader"; ID Fox sports	(WM-MD)
1360	CT	WDRG	Hartford 11/14 2058 Into talk show; ID	(WM-MD)
	NJ	WNNJ	Newton 11/19 2110 ID after oldie	(WM-MD)
	OH	WCKY	Cincinnati 11/19 2240 Promo for Miami of Ohio and Central Florida FB game hrd	(WM-MD)
1380	VA	WBTK	Richmond 11/18 2123 PSA for local church, local ads	(WM-MD)
1410	CT	WPOP	Hartford 11/09 2139 "ESPN Radio 14-10" Hartford Wolfpack hockey	(WM-MD)
1420	NC	WVOT	Wilson 11/14 2000 ID; Local ads; mention of Wilson	(WM-MD)
1470	PA	WKAP	Allentown 11/13 ID ; "All Oldies All the Time"	(WM-MD)
1500	MI	WLQV	Detroit 11/22 2200 Fair to good u/ WTOP. REL tlc by man then call ID at TOH. New	(DH-NJ)
1680	FL	WTIR	Winter Garden 11/18 2117 TIS info, local info	(WM-MD)
UN-IDENT				
760	??	????	11/14 1722 Promo "The new 760 the Word"	(WM-MD)
910	??	????	11/09 2258 "Music Thats Easy to Listen to" "WDND"	(WM-MD)
1120	??	????	11/13 1720 S GSPL MX, Ad for Eastern Carolina Co in Jacksonville	(WM-MD)

Thanks to William and David this week.... Spent the weekend in America's Oldest city of St. Augustine, FL celebrating Penny and my 12th. Anniversary so this is being prepared later than usual.... Broadcast Info will return next week. 73 to you all and HAPPY THANKSGIVING !!!!!!!!!!!!!!! fresh 11/24 1800

WESTERN DX FORUM

Reid Wheeler – 5910 Boulevard Loop SE – Olympia, WA 98501-8408

E-mail: WMA001@attbi.com Phone 360-786-6756 Fax 360-753-3824

Gary Larson, 2806 Lincoln, Burbank CA 91504

[11-15] Just saw 2 columns on radio (forwarded to Rich Toebe) about 12-12-02 change of KLAC 570 to standards, so that's latest here on news. Wish 570 would air MOYL. Was reading over older '98-'99 DXMs seeing comments about members of IRCA as a family and I sure agree on that. Saw RCE's forum ment. Passing of Charlie Kelebrer in '97. These older members sure made DXing fun. Looks like S. Cal. Will add a dxer; RW of San Jose plans a move. 73

[11-19] I recently put in a call to programming of KFI, KLAC, KXTA and today an ass't called back wondering if the club was interested in what is currently going on with the 3 stations so I gave her Rich Toebe's email address plus I wrote to Rich to ask for a sample copy of DXM to be sent. Heard from someone in local radio that 570 could change format sooner than 12/12. Am hoping to tape it. Had good visit to SCADS in Seal Beach on 12-16, hearing about SW and BCB dxing. Wish Mike S. would drop by, or Steve Jarvis. DXM is looking real good; keep supporting it. 73

GEOMAGNETIC INDICES

Editor: Phil Bytheway

E-mail: phil_tekno@yahoo.com

Geomagnetic Summary November 5 2002 through November 10 2002

Tabulated from email status daily.

Date	Flux	A	K	Space Wx Today	Space Wx Forecast	Etc.
11/ 5	183	19	4	no storms	minor	7
6	185	19	3	no storms	minor	8
7	190	13	2	no storms	minor	8
8	189	7	2	no storms	minor	6
9	191	6	3	moderate	moderate	4
10	191	18	2	moderate	minor	6
11	185	10	2	minor	minor	5
12	178	11	3	minor	minor	6
13	182	12	2	no storms	minor	5
14	184	9	2	minor	minor	4
15	198	12	3	minor	minor	7
16	199	7	2	no storms	minor	7
17	185	6	1	minor	minor	7
18	179	11	3	moderate	minor	7
19	168	11	3	no storms	minor	7
20	159	16	4	minor	minor	9
21	151	38	5	strong	minor	7
22	149	22	3	minor	no storms	8
23	148	19	1	minor	no storms	6
11/24	146	16	2	no storms	no storms	8

IRCA TECHNICAL COLUMN

Nick Hall-Patch - 1538 Amphion St. - Victoria, BC V8R 4Z6 CANADA

E-mail: nhp@ieee.org

dxRadar: using a PC for TA DX

by Christoph Mayer
chm@tpi.uni-jena.de

Introduction

Inspired by an article [1] in MW News, I have made a computer program for unattended DXing. The idea is to have the computer searching the mediumwave band for TA carriers and, to record audio from the stronger signals in the night while you sleep. One can then listen to the recordings at a comfortable time of day. The main advantage is that this way one can monitor the mediumwave band every night, which very few, if any, people can do in person. Furthermore one can specify under which conditions the program will record audio on a TA channel, which is an improvement over unattended recordings made on a fixed channel.

The program, called dxRadar, grew out of a program which was intended to identify non-directional beacons on longwave. It consists of about 8000 lines of C++ code having accumulated in the last two years plus some simple Perl scripts for off-line data analysis. dxRadar brings together three approaches: unattended recording on TA channels, monitoring TA channels for carriers [1], and measuring the frequency of TA carriers with high precision. This means that one can resolve different stations on one TA channel in which the carrier frequency differs by as little as 2 Hz. According to Nick Hall-Patch, using exact frequency of carriers to identify stations was first pioneered in the 70s and 80s in America [2].

Description of Setup

Figure 1 shows the setup I am using. It consists of a large indoor tuned loop antenna and an AOR AR7030 receiver. The computer controls the receiver via the serial port and reads the audio signal using a sound card. It also tunes the loop antenna by means of a computer controlled stepper motor (using a parallel port to I2C bus adaptor and two standard IC's talking to the stepper motor) driving the loop antenna's variable capacitor. Using a 200 step stepper motor with a one and a half turn variable capacitor gives 300 steps to cover the mediumwave band. The program is also capable of 'calibrating' the loop antenna by finding the position with maximal signal strength for some (European) channels throughout the mediumwave band. Of course, this is done best under daylight conditions.

Mode of operation

The program continuously goes through the mediumwave band searching for carriers. In one sweep, the dxRadar software performs the following tasks:

1. tunes the receiver and loop antenna in LSB (USB) mode 400Hz above (under) the given TA channel
2. records about two seconds of audio
3. performs a spectral analysis on the recorded sound samples (8000Hz sampling rate, 8*1024 point FFT, and 1Hz resolution)

4. searches for peaks in the spectrum (i.e. a peak at 410Hz corresponds to a carrier 10 Hz off-channel) and writes the data to a file.
5. then it goes back to item 1, until all TA channels have been worked.

This takes about two minutes. Hence one is able to sample the status of all TA channels with two minutes temporal resolution. I would like to add that there is a trade-off between frequency and temporal resolution since one has to sample at least one full period of an audio signal one wants to measure. Doubling frequency resolution, for example, means that one sweep lasts four minutes.

In general, the program will detect lots of peaks, most of which are not real carriers but are caused by splatter or by other noise. Since these signals are very short-lived, a very effective way to reject them is to require a given peak to appear in four consecutive sweeps. The signals that are then left are either TA carriers or carriers of navigational beacons. If the program finds more than 10 'real' carriers, it tunes the receiver and antenna to the channel with the strongest signal and launches the RealAudio recorder to record two minutes of audio on this channel.

Data analysis

The program has been running almost every night since February 2002, and I have logged several stations by listening 'offline' to the RealAudio files made in the night. Figure 3 displays the seasonal variation of reception times, showing local sunrise, time of peak reception and fadeout, while Figure 4 shows maximum number of carriers by date along with the variation of the A-index. One can see that the peak of TA reception occurs close to local sunrise in winter and up to one hour before local sunrise in summer.

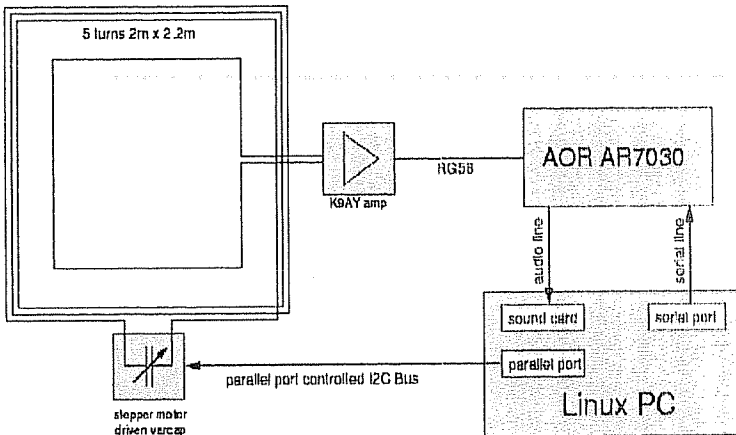


Figure 1: The Setup

A word of caution with Figure 3 is in order. The bottom figure shows data obtained with different versions of the program. For example I have improved the frequency resolution from 5Hz down to 1Hz recently and also the stepper motor is a recent improvement. Both changes increase the number of carriers seen by the program.

The waterfall plots (Figure 2) display the activity on two TA channels from a number of nights. More precisely, they show the superposition of data from several nights. Each point

is a peak found by the program in the audio spectrum. One can clearly distinguish several carriers on each channel. It should be noted that most signals on the plots were too weak to yield an intelligible audio signal.

Moreover, one can see in Figure 2 that the receiver's frequency stability is sufficient for this purpose, even when one compares signals from different nights. For similar plots see [3]. Once one has identified a station 'by ear' on a particular frequency one can recognize it in the data later on, e.g. WWZN is on 1510.017 kHz, VOKM on 590.005 kHz, CPN Radio on 1469.994 kHz, CKEC on 1320.01 kHz, WEGP on 1390.02 kHz etc . . .

For more plots and data see [4]. Any comments and suggestions are welcome. Also, I am willing to share the code with other people, of course only for non-profit uses. Just contact me by email. It would be nice if other members used this method. For instance, one could then in detail compare TA reception between different locations in Europe.

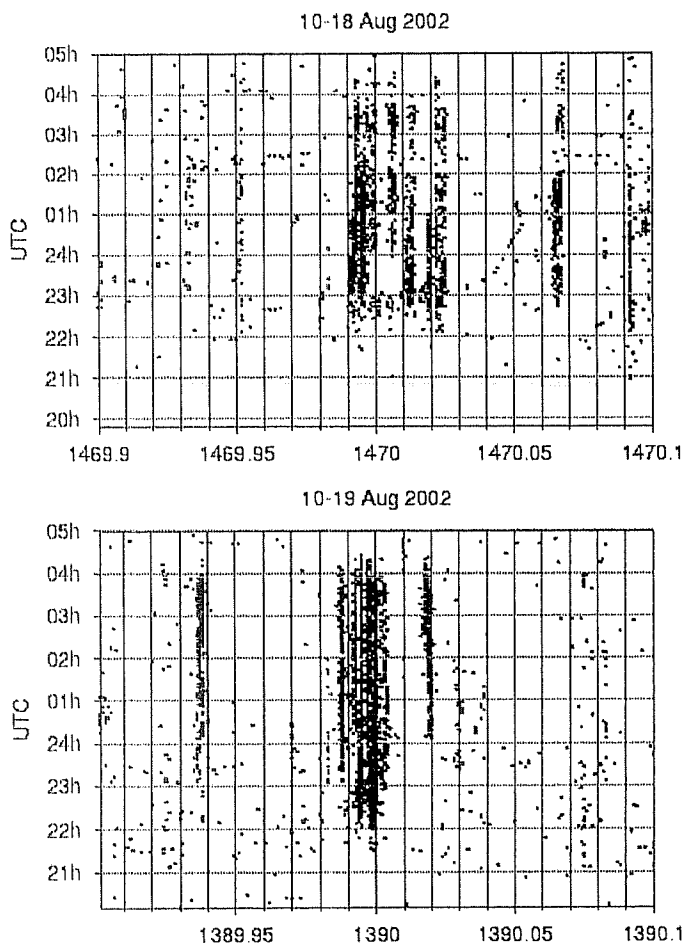


Figure 2: Waterfall plots

2002

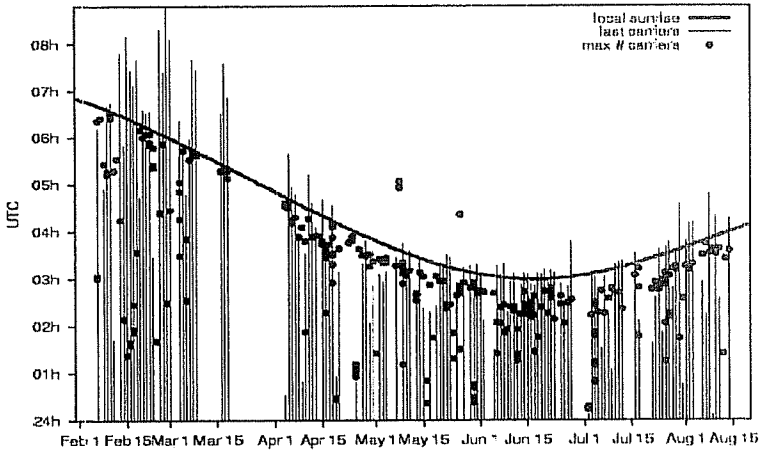


Figure 3: seasonal variation of peak reception time

2002

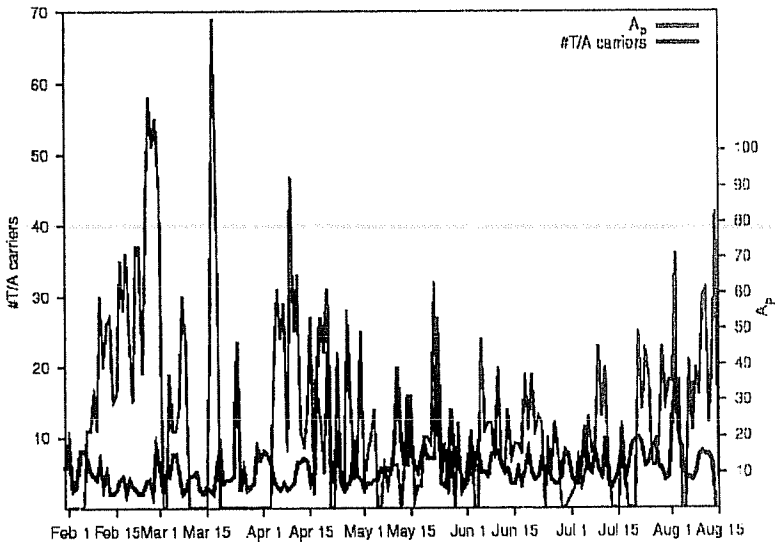


Figure 4: maximum number of carriers compared with A-index

References

- [1] Nick Hall-Patch in MWN 45/06, 45/07 (also DXM Vol.37 #5 and 6.)
- [2] Nick Hall-Patch on the [mwc] mailing list.
- [3] <http://www.dxradioco.uk/mwoffsets>
- [4] http://www.tpi.uni-jena.de/_chm/main.html

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VERIFICATION SIGNERS

Stephen S. Howe – 8 Dutch Village, Apt. DL – Menands, NY 12204-2930
E-mail: showe@csc.albany.edu

My deadline is the last Monday of the month. For the December column, I will be able to receive tips by e-mail until Monday, December 30th, but tips sent by regular mail that reach me at my Menands, NY address after Friday, December 13th will appear in the January column. From December 13th until December 28th, you can also send tips to my Vermont address, 9 Warner Drive, Saint Albans, VT 05478-1575.

CONTRIBUTORS

PM Patrick Martin, P O Box 843, Seaside OR 97138-0843; mwdxer@webtv.net
HN Herbert Newberry, 405 JH Whitaker Rd, Newborn GA 30056-3033
NP Nigel Pimblett; ntp@shockware.com

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

540	XESURF	[illegible]*; 1500 Cotner Ave, Los Angeles CA 90025; P; 8f; PM
594		Dudley Scantebury, Dir of Admin; Radio Rhema, 55 Upper Queen St, Private Bag 92-636, Symonds St, Auckland, New Zealand; QL+; 50; PM
730	CHMJ	Mark Friesen, CE; 700 West Georgia St, Suite 2000, Vancouver BC V7Y 1K9; LB; 7; PM
750	KMMJ	Lyle W Nelson, GM; P O Box 4907, GrandIsland NE 68802; LM; 334; NP
940	KHCM	Katie Dimmitt, AdminAsst; Salem Media of Hawaii, 560 N Nimitz Hwy, Suite 109, Honolulu HI 96817; LB; 75; PM
1050	KDRK	Ray Edwards, PD; 1601 E 57 th Ave, Spokane WA 99223; P; 135f; PM
1060	KTNS	Larry W Gamble, O/GM; P O Box 2020, 40356 Oak Park Way, Oakhurst CA 93644; L; 32; PM
	KTNS	Larry W Gamble, O/GM; mtkaat@sierratel.com; E; 1; PM
1170	WDFB	Mildred & Don Drake, O; Alum Springs Vision and Outreach Corp, 3596 Alum Springs Rd, Box 106, Danville KY 40423-0106; L+ +; 17; HN
	WDFB	Same signers and address as above; L+ +; 12; NP
1200	KYAA	Don Murray, PD [KQ6FM]; 495 Elder Ave, Sand City CA 93955; P; 40; PM

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

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

NOTES: * [For this column] = Report sent to Tom White, CE

Good to have Herb back with us this month after a long absence! Make sure to note the different e-mail and regular mail deadlines for the December column due to the holidays at the top of this column. This column was prepared on 11/25/02. 73, SSH.

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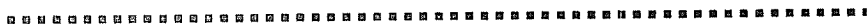


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 99.1 WBAW Barnwell, SC
 102.7 WAJY New Ellenton, SC
 102.7 WPUB Camden, SC
 104.9 WCCP Clemson, SC
 105.3 WAGI Gaffney, SC

To be continued....



The IRCA is a non-profit organization devoted to the hobby of hearing distant stations on the Broadcast Band (510-1720 kHz). **DX Monitor**, the official publication of the IRCA, is published in "soft" form 40 times a year (weekly from September to April, twice monthly from May to August) and in printed form 35 times a year (weekly September to April, monthly May to August). **DX Monitor** contains members' loggings, articles on radio stations, receiver reviews, technical articles, DX tips, and other material of interest to Broadcast Band DX hobbyists. IRCA is a member of ANARC, the Association of North American Radio Clubs.



THE INTERNATIONAL RADIO CLUB OF AMERICA
P.O. Box 60241, Lafayette LA 70596
<http://www.ircaonline.org>

CLUB OFFICERS AND CONTACT INFORMATION

President: Lee Freshwater, 414 SE 3rd Street, Ocala FL 34471

e-mail: ENGWTRS@aol.com (proposals/gripes)

Secretary-Treasurer: Lynn Hollerman, P.O. Box 60241, Lafayette LA 70596

e-mail: gmhollerman@earthlink.net (dues, address changes, Topica sign-ups)

Board of Directors: Phil Bytheway (chairman) phil_tekno@yahoo.com,
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 Nancy Johnson NancyJohnson@prodigy.net, Patrick Martin mwdxer@webtv.net,
 Mike Sanburn mikesanburn@hotmail.com, and Pete Taylor ptdx@att.net

Editor-in-Chief: Rich Toebe, 2103 Sargent Court, Davis CA 95616-7621

e-mail: richtoebe@jps.net (all material for publication goes here)

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