



June 9, 2007 - Volume 44, Number 28 - Edition 1410 - ISSN 899-9733

The 2007 IRCA/DecalcoMania convention will be held in Salt Lake City UT on August 24-26, 2007 at the Airport Days Inn, 1900 West North Temple, SLC UT 84116. Telephone (801) 539-8538. Request the IRCA convention discount rate of \$50 per night. Registration fee is \$25 (not including Saturday banquet) and is payable to: **Mike Sanburn**, PO Box 1256, Bellflower CA 90707-1256, USA. Hotel website is: [www.the.daysinn.com/saltlakecity06838](http://www.the.daysinn.com/saltlakecity06838). Trip rewards site: [www.triprewards.com](http://www.triprewards.com). Tourism site: [www.utah.travel](http://www.utah.travel). Delta airlines web: [www.delta.com](http://www.delta.com).

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In this issue: Start Planning Your Salt Lake Summer Vacation!

- Fabulous Salt Lake Music Festivals
- Featured Hotels
- Mikado Japanese
- The Depot Night Club & Concert Venue
- Red Butte Garden Concert Series

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The 2007 Convention of the **National Radio Club** and the **Worldwide TV-FM DX'ers Association** will be held in Boise ID at the Rodeway Inn, 1115 North Curtis Road, Boise, ID 83706. The host is Frank Aden. Dates: Friday, August 31, 2007 through Sunday, September 2, 2007. Cutoff date for registering with the club(s) is August 15, 2007; with the hotel, August 20, 2007. More as we know more.

## ELECTION RESULTS

**Acting ECC: Nick Hall-Patch – 1538 Amphion St – Victoria, BC V8R 4Z6**

E-mail: [nhp@ieee.org](mailto:nhp@ieee.org)

Total Votes Cast: 39, Postal Votes: 19, Electronic Votes: 20

### President Voting Result:

**Doug Pifer** is elected with 38 votes.  
One (1) voter declined to vote for President.

### Secretary/Treasurer Voting Result:

**Lynn Hollerman** is re-elected with 38 votes.  
One (1) voter declined to vote for Secretary/Treasurer.

### Board of Directors Voting Results:

An asterisk (\*) following a candidate indicates that this candidate is elected to the Board of Directors.

- |                                 |                                |
|---------------------------------|--------------------------------|
| 8 - Frank Aden                  | 35 - <b>Patrick Martin</b> (*) |
| 17 - Bill Block                 | 6 - Willis Monk                |
| 33 - <b>Phil Bytheway</b> (*)   | 19 - <b>Jim Pogue</b> (*)      |
| 27 - <b>Lee Freshwater</b> (*)  | 21 - <b>Mike Sanburn</b> (*)   |
| 13 - Dennis Gibson              | 28 - <b>Robert Wien</b> (*)    |
| 18 - Craig Healy                | 1 - Nancy Johnson (write-in)   |
| 27 - <b>John C. Johnson</b> (*) | 1 - Bob Pietsch (write-in)     |
| 6 - Brandon Jordan              |                                |

ECC Comment:

Special congratulations to Doug in his new position as IRCA President, and to Lee and Jim as new members of the Board. And, a big welcome back to the returning incumbents.

Unfortunately, this was a slightly lower turnout than in the 2005 election. Hopefully, this means that people are generally satisfied with the club government and candidates, but candidates will always appreciate voter enthusiasm.

best wishes, Nick

## IRCA PRESIDENT'S REPORT

**Nick Hall-Patch – 1538 Amphion St – Victoria, BC, Canada V8R 4Z6**

E-mail: [nhp@ieee.org](mailto:nhp@ieee.org)

May 21, 2007

Some recent Board business:

the bylaws say "The Contest Manager and the Broadcast Test Coordinator, however, are to be reconfirmed in May of each odd-numbered year"....

Proposal 22.2.10 is to re-confirm Nancy Johnson as Contest Manager.

PB MH JJ PM DP MS RW  
Y Y Y Y Y Y Y

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Proposal 22.2.11 is to re-confirm Les Rayburn as Broadcast Test Coordinator

PB MH JJ PM DP MS RW  
Y Y Y Y Y Y Y

PB- PHIL BYTHEWAY, MH- MIKE HARDESTER, JJ- JOHN JOHNSON, PM -PATRICK MARTIN, DP- DOUG PIFER, MS- MIKE SANBURN, RW- ROBERT WIEN

Y= YES N= NO A= ABSTAIN

In other news, you've all heard of the recent passing of IRCA's Sports Editor, Bob Pietsch. A card of condolence has been sent to Maria Pietsch on behalf of the Board and the club.

There will be a celebration of Bob's life on Saturday July 21, 2007 from 12-3 PDT in Rocklin CA. Check with Don Kaskey ([kaskeyfamily@yahoo.com](mailto:kaskeyfamily@yahoo.com)) or Maria Pietsch ([maria@pietschs.net](mailto:maria@pietschs.net)) for details.

Bob was an enthusiastic and dedicated compiler of this information for IRCA, and will be hard to replace, but I'm sure that someone will be up to the task. I've been told that Bob left behind meticulously organized records, so our next volunteer should be off to a running start. Please consider becoming IRCA's new Sports Editor.

Ray Bauernhuber, our election committee chair, and editor of "Hearing It Through the Grapevine" and "Website Wanderings" has not been well for the last several months, and has decided that he cannot continue in these positions for the foreseeable future. I have been acting as ECC for the present election, and am happy to take over the job from Ray, as I will not be holding any elected position after the end of the present term. However, if someone else would like to volunteer for the job, please step forward now.

Also, we will be looking for new editors for Ray's two columns, as mentioned above. Please let me know at one the above addresses as soon as possible, if you are interested in any of these positions.

best wishes, Nick

## BROADCAST TEST COORDINATOR – DX TESTS

**Les Rayburn: [les@highnoonfilm.com](mailto:les@highnoonfilm.com)** (times are Eastern) <http://www.dxtests.info>

Sat+ 7/1-15/07 0300-0700 1550 KXTO Reno NV (Walker)

Date(s): July 1st, 2007 Thurs July 15th, 2007 (Low Power 96 Watts ND). July 14th & 15th (High Power 2500 Watts ND). Time: 00:00AM until 04:00AM Pacific Time. Test material of Morse Code and Sweep Tones will air twice per hour between Midnight and 4AM daily. The station runs a Spanish Christian format as "La Voz Christiana 1550".

Test Material: Morse Code ID's, Sweep tones, and a "QRSS" (Slow Speed Morse Code ID'S). The QRSS signal is encoded at 2.5khz. Dot length is 3 minutes in length. QRSS once per hour during the low power portion of the test, and twice per hour during the high power 2.5kw nights. You can attempt

to detect the QRSS signal using only your radio, computer soundcard and some free spectrum analysis software from [www.weaksignals.com](http://www.weaksignals.com). Download the software called "Argo".

Modes of Operation: Normal, except when test material is running near TOH and BOH. Night time power of 96 watts ND. July 14th & 15th ONLY- Full power of 2500 watts ND.

Programming: Morse Code ID's, Sweep Tones, Voice ID. QRSS 2.5khz Slow Speed Morse Code

Notes: Please do not telephone the station during the test or afterwards. The test is being done by remote control and automation.

Reception reports are desired via e-mail (first choice) and snail mail (only if e-mail is not available) Station would prefer to receive recordings of the test (MP3, CD, or cassette). Submit reports to: [les@highnoonfilm.com](mailto:les@highnoonfilm.com). Please put "KXTO DX Test" in the subject line.

All standard mail reports should go to: Les Rayburn, High Noon Film, 100 Centerview Drive Suite 111, Birmingham, AL 35216. Note: SASE Required for QSL.

Our special thanks to Jose and the staff of KXTO, and especially to member Paul Walker, who arranged this test and many others! Thanks Paul!

++Best bet for up to the second DX Info is on the #mwdx chat room at [www.starchat.net](http://www.starchat.net). Join us during the test nights!++

For those who wish to experiment with receiving QRSS (slow speed Morse Code) transmissions prior to the KXTO Test, Brandon Jordan who runs the very informative [www.dxtests.info](http://www.dxtests.info) web site has posted a sample file that will closely match the actual file for the test. It's available at: <http://www.dxtests.info/files/KXTO%2010%20Minute%20File.wav>.

Keep in mind, that what you're really looking at is a audio frequency spectrum analyzer, not RF. You're feeding an audio signal from your radio (headphone jack, or other output) into one of the inputs on your computer soundcard (Mic, Line, etc.) and then viewing what that audio looks like.

Using this technique it's possible to detect slow speed Morse Code signals well below the noise, sometimes as much as -20db! Using this technique, world wide reception of the KXTO DX test may be possible.

In advance of the test, I'd concentrate on looking at the carrier signals of various AM stations using USB, LSB, and CW modes. Adjust levels on the receiver output, soundcard input, etc. until you get nice, clean images that are free of distortion. It's easy to overdrive the soundcard with too "hot" of a signal.

The actual transmission will be at 2.5khz and you should be able to literally "read" the dots and dashes of the QRSS transmission spelling out, K-X-T-O.

In Morse that looks like: K= Dash Dot Dash, X= Dash Dot Dot Dash, T= Dash, O= Dash Dash Dash. It's a great mode, and potentially a nighttime IBOC-Beater! You can learn lots more at: <http://www.w0ch.net/qrss/qrss.htm>.

## BROADCASTING INFORMATION

**Robert Wien – 7190 Abigail Pl – Fontana, CA 92336-5752**

Email: [wienbob@aol.com](mailto:wienbob@aol.com) phone: 909-350-4898 Ham calls: KG6RJW

### CALL LETTER CHANGES

FREQ	OLD CALL	CITY	NEW CALL
660	WCRR	Rural Retreat, VA	WJRK
750	WWWK	Petoskey, MI	WLDR
770	new	Saraland, AL	WHOA
820	WTOP	Frederick, MD	WTWT
1210	KQTL	Sahuarita, AZ	KEVT
1400	new	South Boston, VA	WAJL
1410	WLAS	Lafayette, IN	WSHY
1480	WDAS	Philadelphia, PA	WUBA
1490	WTKU	Pleasantville, NJ	WTAA
1530	new	Orono, ME	WFGO
1540	WAKY	Greensburg, KY	WGRK
1550	WURP	Reserve Township, PA	WLFP

### FORMAT CHANGES

FREQ	CALL	CITY	OLD INFO	NEW INFO
540	XESURF	Tijuana, BCN	country	classic country
600	WVAR	Richwood, VA	country	oldies
670	WPMH	Claremont, VA	religious teaching	talk
690	KEWI	Benton, AR	classic country	oldies
710	WREM	Monticello, ME	talk	silent
740	KBRT	Avalon, CA	silent due to fire	religious teach (back on air)
890	KDJQ	Meridian, ID	oldies	regional Mexican
900	KALI	West Covina, CA	Spanish religion	ethnic

960	WZRH	Dallas, NC	talk	religious teaching
970	WZQK	Brandon, MS	silent	country
980	KICA	Clovis, NM	talk	country
980	WTOT	Marianna, FL	silent	adult standards
990	WXCT	Southington, CT	urban AC	regional Mexican
1110	WOMN	Franklinton, LA	contemp Xtian	silent
1120	WKCE	Maryville, TN	talk	Spanish sports
1150	KCCT	Corpus Christi, TX	talk	regional Mexican
1170	WDFB	Junction City, KY	religious teaching	southern gospel
1180	WVLZ	Knoxville, TN	talk	sports
1230	WKWL	Floralia, AL	religious teaching	southern gospel
1240	KSON	San Diego, CA	ethnic	gospel music
1240	WVOS	Liberty, NY	country	talk
1270	KTFI	Twin Falls, ID	traditional country	talk
1270	WHGS	Hampton, SC	adult contemporary	gospel music
1340	WYJK	Connellsville, PA	silent	oldies
1350	WHWH	Princeton, NJ	ethnic	business news
1390	KHOB	Hobbs, NM	oldies	classic country
1410	WDSK	Cleveland, MS	sports	silent
1420	WBRD	Palmetto, FL	southern gospel	regional Mexican
1430	WNSW	Newark, NJ	ethnic	Spanish contemp. Xtian
1440	WWCL	Lehigh Acres, FL	Spanish hits	regional Mexican
1450	KIKR	Beaumont, TX	sports	regional Mexican
1450	WBVA	Bayside, VA	religious teaching	talk
1450	WLAR	Athens, TN	country	classic country
1480	WCIN	Cincinnati, OH	urban AC	format not available
1480	WDAS	Philadelphia, PA	black gospel	tropical
1510	KBED	Nederland, TX	black gospel	regional Mexican
1520	KFXZ	Lafayette, LA	classic country	sports
1530	WDAP	Huntingdon, TN	silent	classic country
1560	WCMA	Daleville, AL	silent	southern gospel
1580	KBLA	Santa Monica, CA	Spanish religion	ethnic
1580	KESM	El Dorado Springs, MO	country	silent
1650	CJRS	Montreal, PQ	new	ethnic

### FACILITY AND PARAMETER APPLICATIONS

570	WMAM	Marinette, WI	250/100 ND to 197/78 ND
580	KSAZ	Marana, AZ	5000/320 DA-N to 7000 DA-D
630	WDGY	Hudson, WI	1000/2500 DA-2 to 2500/2500 DA-2
810	WBIC	Royston, GA	230 ND-D to 4000/600 DA-3
900	WUAM	Saratoga Springs, NY	250/47 ND to 400/75 ND
920	WKRT	Cortland, NY	DA-N to DAN
990	WLHN	Muncie, IN	250/1 DA-2 to 250 ND-D
1040	WZNA	Moca, PR	5000/245 DA-D to 9000/245 DA-2
1050	KCAA	Loma Linda, CA	1400/35 DA-2 to 10000/35 DA-2
1070	WIBC	Indianapolis, IN	DA-2 to DA2
1080	KGvy	Green Valley, AZ	1000-D to 1400-D ND
1090	KEXS	Excelsior Springs, MO	1000 ND-D to 7500 DA-2
1120	KJSA	Mineral Wells, TX	250 ND-D to 20000 DA-D
1220	WSRQ	Sarasota, FL	1000/159 DA-2 to 2000/240 DA-2
1260	WTBZ	Grafton, WV	500 ND-D to 4500/22 ND
1290	KOUU	Pocatello, ID	DA-2 to DA-D
1300	KSET	Silsbee, TX	500 ND-D to 1500/320 DA-2
1360	KBUY	Ruidoso, NM	5000/199 DA-1 to 9000/182 ND
1370	KGEM	Tulare, CA	710/72 ND to 3800/102 DA-D
1390	WBLL	Bellefontaine, OH	500/81 ND to 1000/22 ND
1210	KGYN	Guymon, OK	10000/10000 DA-N to 50000/10000
1420	KMHS	Coos Bay, OR	1000/38 ND to 1000/41 ND
1440	WDRJ	Inkster, MI	ND to DA-2
1440	WGLD	Red Lion, PA	1000 ND-D to 730/53 ND
1440	WNYG	Babylon, NY	1000/38 ND to 1500 DA-D
1450	KQYX	Joplin, MO	1000/1000 ND to 940/940 ND
1450	new	Ruidoso, NM	1000/940 ND to 1000/860 ND
1480	KRAE	Cheyenne, WY	1000/65 ND to 1000/72 ND
1490	KEYG	Grand Coulee, WA	1000/1000 ND to 1000/960 ND
1520	KYND	Cypress, TX	3000 DA-D to 3000/260 DA-3
1570	WNSH	Beverly, MA	500/85 DA-D to 30000/85 ND
1580	WANB	Waynesburg, PA	720 ND-D to 5000 ND
1590	KEAS	Eastland, TX	500 ND-D to 1200 ND-D
1590	WGBW	Two Rivers, WI	1000/33 ND to 10000/200 DA-2

## FACILITY AND PARAMETER GRANTS

960	KOVO	Provo, UT	5000/1000 DA-N to 50000/940
960	WSVU	North Palm Beach, FL	1200/250 DA-D to 1200/1400 DA-2
1090	WNVY	Cantonment, FL	10000 DA-D to 15000/28 ND
1110	KEOR	Atoka, OK	5000 DA-D to 2000 DA-2
1180	new	Baxter, MN	35000/5000 DA-N to 35000/5000
1190	WJES	Saluda, SC	350 ND-D to 10000/4 ND
1250	WPRZ	Warrenton, VA	5000/32 DA-2 to 8000/125 DA-2
1290	WOWZ	Appomattox, VA	6000/17 ND to 10000/17 ND
1380	KRCM	Beaumont, TX	1000/127 DA-1 to 250/69 ND
1430	WHAN	Ashland, VA	1000/31 ND to 50000 DA-D
1600	KATZ	St. Louis, MO	5000/5000 DA-N to 6000/3500 DA-2

### PUBLIC LISTINGS COURTESY OF THERADIOJOURNAL.COM AND 10000WATTS.COM:

- 540: XESURF 540 Tijuana BCN/San Diego CA flips from "Go Country," simulcasting KKG0-FM 105.1 Los Angeles CA, to "540 the Zoo" classic country.
- 600: WVAR 600 Richmond WV flips from country to oldies "The Mighty 1490," simulcasting WSGB 1490 Sutton WV.
- 740: KBRT 740 Avalon/Los Angeles CA is off the air after a brush fire that devastated Catalina Island, where its transmitter was located. The fire reportedly started at the transmitter site, where workers were replacing guy wires on the towers. (back on the air obviously since-ye ed).
- 820: WTOP 820 Frederick MD changes calls to WTWT, for its new Washington Post Radio affiliation.
- 1120: WKCE 1120 Maryville TN flips from talk/sports to ESPN Deportes Spanish sports. (Sister station WV LZ 1180 Knoxville TN flipped to ESPN sports in English in February.)
- 1150: KCCT 1150 Corpus Christi TX flips from Air America talk to regional Mexican "Conjunto."
- 1270: WHGS 1270 Hampton SC flips from AC "Cruise 92" to gospel.
- 1340: WYJK 1340 Connelville PA returns to the air with oldies "Pickle," simulcasting WPKL 99.3 Uniontown PA.
- 1430/990: WNSW 1430 Newark NJ and WXCT 990 Southington CT flip to Spanish contemporary Christian "Radio Cantico Nuevo."
- 1520: KFZX 1520 Lafayette LA flips from classic country "Fox" to Fox sports; KTSJ 105.9 Opelousas LA flips from smooth jazz to classic country "Fox."
- 1550: KYCY 1550 San Francisco CA picks up many of the syndicated talkers (Don & Mike, Tom Leykis, etc.) who had been heard on KIFR 106.9 San Francisco before its flip to classic hits last week.

### INDIVIDUAL MEMBER AND CONTRIBUTOR LISTINGS:

**Pat Martin** sends along the following:

Noted at 1930 PDT 5/2 that KDJQ (890 Meridian, ID-ye ed) in back to SS. Noted with Ranchero music. The oldies format did not last long again.

(and an addendum from Pat courtesy of **Bill Frahm**, Boise, ID):

890 KDJQ Meridian, ID drops Oldies. After being off the air all day Tuesday April 24th they came back on in the evening simulcasting Churchill Media's "La-X" formatted KXOR Junction City/Eugene. Local ID's. Churchill's LMA'ng it and look for them to buy KDJQ. (PM-OR)

**Frank Aden** sends along the following:

KIOV (1450 Payette, ID-ye ed) is now the "SOURCE" sports radio. (FA-ID)

**Pat Martin** sends along the following from Dan Sys of Vancouver, BC re CHQB-1280 BC:

Broadcasting Decision CRTC 2007-146, Ottawa, 18 May 2007, Vista Radio Ltd., Powell River, British Columbia, Westwave Broadcasting Inc., Powell River, British Columbia.

Application 2006-0274-9, received 15 March 2006, Application 2006-1127-9, received 7 September 2006, Public Hearing in the National Capital Region, 29 January 2007.

English-language FM radio programming undertakings in Powell River.

The Commission approves in part the application by Vista Radio Ltd. (Vista) for a broadcasting licence to operate an English-language FM radio programming undertaking in Powell River to replace its AM station CHQB. Vista must submit for the Commission's approval, within three months of the date of this decision, an application proposing the use of another frequency and technical parameters that are acceptable to the Commission and the Department of Industry for use in the Powell River market. The Commission denies the application by Westwave Broadcasting Inc. for a broadcasting licence to operate an English-language commercial FM radio programming undertaking in Powell River.

Background

1. On 15 March 2006, the Commission received an application by Vista Radio Ltd. (Vista) for a broadcasting licence to operate an English-language FM radio programming undertaking in Powell River to replace its AM station CHQB. The proposed station would operate at 94.1 MHz (channel 231C1) with an average effective radiated power (ERP) of 8,600 watts. The transmission site would be located across the Strait of Georgia, on Vancouver Island at Mount Washington, the current transmitter site of CFCP-FM Courtenay. The Commission announced its intention to consider the application as part of the 30 October 2006 Public Hearing, in Broadcasting Notice of Public Hearing CRTC 2006-9, 31 August 2006.

2. On 7 September 2006, the Commission received an application by Westwave Broadcasting Inc. (Westwave) for a broadcasting licence to operate an English-language commercial FM radio programming undertaking in Powell River. The proposed station would operate at 105.3 MHz (channel 287B) with an ERP

of 3,000 watts. Westwave would co-site the proposed station at the site of the Canadian Broadcasting Corporation's (CBC) current tower on Texada Island.

3. Given that the applicants proposed to operate in the same market, the Commission determined that it would be appropriate to consider both the Vista and Westwave applications in the context of the same public hearing. To that end, the Commission withdrew the Vista application from the 30 October 2006 Public Hearing and rescheduled it for the 29 January 2007 Public Hearing, to be heard along with the application by Westwave.

4. Vista, in addition to being the licensee of CHQB, is the licensee of CFCP-FM Courtenay and CFWB Campbell River, British Columbia.

5. According to Vista, the Powell River area is dominated by FM stations and, as a consequence, CHQB can no longer compete in this market as an AM station. Vista is looking to improve the financial position of CHQB through its application to convert the station to the FM band.

6. Vista indicated that the proposed station would offer the same Adult Contemporary format as that currently offered by CHQB and would target listeners between 25 and 54 years of age. The proposed station would provide local programming over the entire broadcast day. CFCP-FM Courtenay would produce afternoon newscasts tailored to the Powell River market for the short term until the proposed station's revenues are such that it would no longer need to offer programming produced at its Courtenay studios. An individual in Powell River would ensure that editorial news content and story development are relevant to the Powell River community, although the group news director would remain in Courtenay. Furthermore, Vista committed to add more local staff as the revenues for the station support further growth.

7. Vista also submitted that although in the past CHQB has offered little in the way of local programming, Vista has made a commitment to local programming since acquiring the station. In addition to increasing the amount of local news and sports content on CHQB, Vista has invested in a new studio facility, increased the station's local programming content, introduced on-air training, doubled the number of staff before any revenue gains were realized, and engaged the community in several local events.

8. The proposed station would devote 9.45 hours per broadcast week to spoken word programming, 60% of which would be dedicated to news programming.

9. With respect to the development of Canadian talent, Vista submitted that it would contribute \$400 in each broadcast year, for a total of \$2,800 over seven broadcast years. In addition, Vista would continue to sponsor the Powell River Academy of Music and its international choral festival.

10. Westwave is the licensee of CKAY-FM Sechelt, British Columbia.

11. Westwave proposed a Pop Adult music format, which would feature approximately 40% music from before 1980 and would target listeners between 35 and 60 years of age. Westwave submitted that the proposed station would benefit from synergies in the areas of administration, operations and programming with CKAY-FM. The two stations would operate separate newsrooms but would share news gathering and reporting tasks.

12. All programming would be local-station-produced. In each broadcast week, the proposed station would provide 13 hours and 39 minutes of spoken word programming, including 5 hours and 40 minutes of weekly station-produced news programming. Westwave indicated that it would devote 40% of the station's news content to local Powell River news and 25% to issues affecting both the Powell River and Sechelt communities. Westwave also proposed to establish a local advisory board to advise and assist the proposed station in enhancing its local reflection programming.

13. With respect to the development of Canadian talent, Westwave committed to devote \$2,000 in each broadcast year to direct expenditures, for a total of \$14,000 over seven broadcast years.

14. The Commission received interventions in support of the Vista and the Westwave applications. It also received interventions opposing both applications and a comment with respect to the Vista application. The interventions and the replies to the interventions for each of these applications are available at the Commission's Web site at [www.crtc.gc.ca](http://www.crtc.gc.ca) under "Public Proceedings."

15. After considering the positions of the parties to this proceeding, the Commission finds that the issue arising from these applications relates to the Powell River radio market and its ability to sustain a new FM station.

16. The Powell River radio market consists of one AM and one FM station. CHQB is the only local commercial radio station in Powell River. CJMP-FM, a low-power community FM station operated by the Powell River Model Community Project for Persons with Disabilities, also serves Powell River. From 2001 to 2005, CHQB reported revenue losses. Vista also indicated that it has sustained losses since acquiring the station in 2005.

17. According to Census statistics from Statistics Canada, the population of Powell River (Census Agglomeration) declined during the period 2001 to 2006, by 0.4%, from 16,604 to 16,537 persons. The Financial Post has predicted a further decline from 2007 to 2012.

18. Most importantly, the bulk of total tuning in the Powell River central area is out-of-market, which reduces the amount of advertising revenues available in a market. This limits the ability of local stations to exploit the full revenue potential of their market unless they are able to repatriate this tuning.

19. While the Commission's predisposition generally lies in favour of increased competition and diversity, and the improvements in the overall quality of available services that these promote, it must also ensure that the competitive impact of a new radio station on a market will not impinge unduly on the ability of any existing station to meet its programming responsibilities under the Broadcasting Act (the Act).

20. Given the significant amount of out-of-market tuning in Powell River, the Commission considers that insufficient radio advertising revenues are available in this market to support the entry of competition to Vista. Such competition could have a significant negative impact on CHQB, whether or not the station is converted to the FM band.

21. In regard to the application by Vista, the Commission considers that a conversion of CHQB to FM would improve the station's financial situation and could enable the station to become profitable. Furthermore, given

Vista's past and present efforts to rebuild CHQB as noted above, the Commission considers that Vista should have the opportunity to continue its growth by having access to the superior technical quality that can be obtained by operating on the FM band. Accordingly, the Commission approves in part the application by Vista Radio Ltd. for a broadcasting licence to operate an English-language FM radio programming undertaking in Powell River to replace its AM station CHQB.

22. The Commission notes that Vista's proposed technical parameters are technically mutually exclusive with the CBC's Long Range Radio Plan to implement Radio One service in Powell River and Port Renfrew, and Radio Two in Campbell River. Furthermore, Vista's proposed technical parameters would significantly expand CHQB's coverage area beyond its existing AM licensed service area.

23. In light of the above, the Commission considers that a site closer to Powell River at a lower power would represent a better use of the limited spectrum for a new local FM station for that community. Accordingly, Vista's use of the 94.1 MHz (channel 231C1) frequency with an average ERP of 8,600 watts is denied. As set out in the appendix to this decision, Vista must submit, within three months of the date of this decision, an amendment to its application proposing the use of an FM frequency and technical parameters that are acceptable to both the Commission and the Department of Industry.

24. As set out in the appendix to this decision, the licensee is authorized to simulcast the programming of the new FM station on CHQB for a transition period of three months following the commencement of operations of the FM station. Pursuant to sections 9(1)(e) and 24(1) of the Act, and consistent with the licensee's request, the Commission revokes the licence for CHQB effective at the end of the simulcast period.

25. As noted above, due to historical and foreseen declines in population and the lack of radio advertising revenues due to out-of-market tuning, the Commission is of the view that the Powell River market cannot support the entry of competition to Vista. Accordingly, the Commission denies the application by Westwave Broadcasting Inc. for a broadcasting licence to operate an English-language commercial FM radio programming undertaking in Powell River.

26. In Commercial Radio Policy 2006, Broadcasting Public Notice CRTC 2006-158, 15 December 2006 (Public Notice 2006-158), the Commission set out a new approach to the development and promotion of Canadian artists. In order to reflect a new emphasis on development initiatives that lead to the creation of audio content for broadcast using Canadian resources, the Commission will replace the expression "Canadian talent development" (CTD) with "Canadian content development" (CCD). Each radio station holding a commercial radio licence will be required to make a basic annual CCD contribution based on its revenues in the previous broadcast year.

27. The Commission notes that Vista has made commitments for CTD that will be imposed as a condition of licence. Amounts required under this condition may be deducted from the amounts that will be required under the new basic CCD contribution.

28. The Commission reminds the applicant that any development initiatives that have not been allocated to specific parties by condition of licence should be allocated to the support, promotion, training and development of Canadian musical and spoken word talent, including journalists. Parties and initiatives eligible for CCD funding are identified in paragraph 108 of Public Notice 2006-158.

29. The new FM station will operate in a single-station market, as defined in Local programming policy for FM radio – Definition of a single-station market, Public Notice CRTC 1993-121, 17 August 1993.

30. The licence for the new radio station will expire 31 August 2013 and will be subject to the conditions set out in New licence form for commercial radio stations, Public Notice CRTC 1999-137, 24 August 1999, with the exception of condition number 9 relating to the solicitation of local advertising, which does not apply to stations operating in a single-station market, and of condition number 5. The licence is also subject to the terms and conditions set out in the appendix to this decision.

31. Because this licensee is subject to the Employment Equity Act and files reports concerning employment equity with the Department of Human Resources and Skills Development, its employment equity practices are not examined by the Commission.

Secretary General

This decision is to be appended to the licence. It is available in alternative format upon request, and may also be examined in PDF format or in HTML at the following Internet site: <http://www.crtc.gc.ca>.

Appendix to Broadcasting Decision CRTC 2007-146

Terms of licence

Issuance of the licence

The Commission will only issue the licence and the licence will only be effective at such time as:

the applicant submits, within three months of the date of this decision, an amendment to its application proposing the use of an FM frequency and technical parameters that are acceptable to both the Commission and the Department of Industry (the Department);

pursuant to section 22(1) of the Broadcasting Act, the Department notifies the Commission that its technical requirements have been met and that a broadcasting certificate will be issued; and

the applicant has informed the Commission in writing that it is prepared to commence operations. The undertaking must be operational at the earliest possible date and in any event no later than 24 months from the date of this decision, unless a request for an extension of time is approved by the Commission before 18 May 2009. In order to ensure that such a request is processed in a timely manner, it should be submitted at least 60 days before this date.

Conditions of licence

1. The licence will be subject to the conditions set out in New licence form for commercial radio stations, Public Notice CRTC 1999-137, 24 August 1999, with the exception of conditions of licence numbers 5 and 9.

2. The licensee shall make direct expenditures of at least \$400 in each broadcast year for the development of Canadian content to eligible initiatives as defined in Commercial Radio Policy 2006, Broadcasting Public Notice CRTC 2006-158, 15 December 2006.

3. The licensee is authorized to simulcast the programming of the new FM station on CHQB for a transition period of three months following the commencement of operations of the FM station.

Footnote:

[1] CFCP Radio Limited (CFCP) submitted the application. However, subsequent to the submission, CFCP, Vista, CCIH Holdings Ltd. and Coast Radio Ltd. amalgamated to continue as Vista. Vista is therefore the current licensee of CHQB Powell River and the applicant of this proceeding. Date Modified: 2007-05-18 (PM-OR)

**Contributors:**

**Frank Aden**, Boise, ID (FA-ID)

**Pat Martin**, Seaside, OR (PM-OR)

DATE OF COLUMN: 06/02/07. Well, June swoon has arrived, 3 weeks still the start of summer, and less than 3 months till the IRCA convention, be there or be square! 73's.

**CANADIAN RADIO NEWS**

**Dan Sys**— [dsysca@yahoo.ca](mailto:dsysca@yahoo.ca)

For May 2007 (June 1 2007) (next update July 1 2007)

**CALL LETTER DATA**

1510 ON Tillsonburg CKOT Will become CJDL (when flip to 107.3 occurs)

**AM TO FM CONVERSIONS GRANTED**

1280 BC Powell River CHQB Will move to FM, however applied frequency of 94.1 with 8,600 watts is not suitable. Must find alternative frequency and submit new contours

**WESTERN DX ROUNDUP**

**Nancy Johnson** – 265 Waterton Wy – Billings, MT 59102-7755

E-mail: [NancyJohnson@prodigy.net](mailto:NancyJohnson@prodigy.net)

**WDXR DEADLINES:** June 15, June 29, July 13. Please use Eastern Time.

**REPORTERS FOR THIS ISSUE:**

- (GH) **Glen Hansen**-1925 Tualatin St.-St. Helens, OR 97051 [skinner@columbia-center.org](mailto:skinner@columbia-center.org)  
Hammarlund SP-600, R-390A, R-388, Drake R8B, various longwires, amplified  
Sanserino air core loop, Radio Shack loop
- (PM) **Patrick Martin**-P.O. Box 843-Seaside, OR 97138-0843 [mwdxer@webtv.net](mailto:mwdxer@webtv.net)  
Drake R8, WNW EWE, SW EWE, phasing unit, 1500' Eastern Beverage term.
- (CM) **Curtis McMenamin**-153 Calle Tepic-Vacaville, CA 95687-6530 [funkiecurtis@juno.com](mailto:funkiecurtis@juno.com)  
Sony ICF-2010, Kiwa loop
- (5P) **Dale Park**-P.O. Box 10640-Honolulu, HI 96816  
Sangean ATS-818CS, Terk AM1000 loop  
(5P-CA) DX'ing in the Bay Area with Ford car radio
- (MS) **Mike Sanburn**-P.O. Box 1256-Bellflower, CA 90707-1256 [mikesanburn@hotmail.com](mailto:mikesanburn@hotmail.com)  
Sony M40W
- (RW) **Robert Wien**-7190 Abigail Pl.-Fontana, CA 92336-5752 [rjwmail@webtv.net](mailto:rjwmail@webtv.net)  
GE Superadio, Select-A-Tenna, car radio

**OF SPECIAL INTEREST**

- 1210 KEVT AZ, Sahuarita 5/9 0800 good signal in KPRZ null with ID "La Preciosa, Kah-eh-veh-the (KEVT), Sahuarita." Usual Mexican-style music. Call change, ex-KQTL. (RW-CA)
- 530 WPUV620 CA, San Mateo 5/18 1650 tape loop with boy on driving conditions on Highway 92, man with tips on what to do during flooding and blackouts, ID as "WPUV 6-20..." broadcasts from the San Mateo Police Department." No sign of other Bay Area TIS co-channel. Noted in San Mateo. (5P-CA)
- 540 KVIP CA, Redding 4/11 1730 good with "KVIP Redding" ID. (CM-CA)
- 560 KPQ WA, Spokane 5/5 0030 ID and news, ad for Field & Stream program. Fair to poor then suddenly gone on R-388 with N-S wire. Long time no hear. (GH-OR)
- 590 (KSSK-HI)/830 (KHVH-HI)/990 (KHBZ-HI) Honolulu 5/22 0639 all three Clear Channel stations noted off the air; all back on at 1105 recheck. Only thing noted was an Australian on 828. (5P-HI)
- 620 KIGS CA, Hanford 4/15 1600 poor with "This is KIGS Hanford." (CM-CA)

680 KNBR CA, San Francisco 5/9 0100 Giants baseball replay, Giants and Mets, station ID pause. Weak and scratchy all alone, on R-388 with E-W wire. (GH-OR)

740 (KBRT) CA, Avalon 5/11 noted totally off the air due to evacuations by the Catalina Island fire. Also confirmed to me via phone call from Dennis Gibson in Santa Barbara later in the afternoon on 5/11. KCBS extremely, extremely weak here on 740 (I think that's what it was). Wonder if the Catalina ham radio repeater also off? (RW-CA)

760 KTRB CA, San Francisco 5/18 1830 mixing product of KTRB-860 and KGO-810 noted in San Bruno. (5P-CA)

CFLD BC, Burns Lake 4/27 very strong and dominant with song "Take Me On" by a-ha, ID "Brighter than the Northern Lights, this is BV-LD" at 0335. (PM-OR)

770 CHQR AB, Calgary 4/27 0340 "Newsradio QR 770" ID. (PM-OR)

790 CFCW AB, Camrose 5/2 good with C&W music. "CFCW" ID at 0345. (PM-OR)

830 KNCO CA, Grass Valley 5/21 1759 ID "First in Nevada County, Newstalk 8-30 KNCO Grass Valley" into ABC Info news five seconds ahead of KGO-810. Fair to good. Noted in Benicia. (5P-CA)

840 KMPH CA, Modesto 5/18 1805 Frank Sinatra's "New York New York," message welcoming former "The Vine" (KVIN-920) listeners, slogan "AM 8-40 KMPH," Dean Martin song, list of artists on the station's playlist, slogan "Now THAT's REAL Music." New. Fair, noted in San Mateo. (5P-CA)

850 KOA CO, Denver 4/14 0430 good with "Newsradio 850 KOA." (CM-CA)

880 KRVN NE, Lexington 4/11 0500 fair with Nebraska weather forecast and "KRVN Lexington Nebraska" ID. I don't hear them that much. (CM-CA)

890 KDJQ ID, Meridian 5/7 2230 noted now back to Spanish ranchero. (PM-OR)

910 KNEW CA, Oakland /960 KQKE 5/18 Clear Channel talk stations noted with IBOC HD radio system on, with QRM from the carriers spreading from 890 to 930 and 950 to 980 respectively. KWRU-940 barely peeking though. Heard in San Mateo. (5P-CA)

930 KTKN AK, Ketchikan 4/27 with song "You've got a Friend" by James Taylor, tagged "KTKN AM 930." QRM from CJCA. (PM-OR)

1010 CBR AB, Calgary 4/11 2400 good with weather forecast for Calgary area, "CBC Radio 1" slogan. (CM-CA)

1060 KDUS AZ, Tempe 5/30 0300 under/over WLNO with ID "AM 1060, KDUS Tempe-Phoenix. The Fan," into SNR. CKMX off. (PM-OR)

WLNO LA, New Orleans 5/30 good on top a lot of the time, 0400 with David Stein relig. program, ID "WLNO New Orleans," into more relig. programming. (PM-OR)

KGFX SD, Pierre 5/30 0500 fair in the jumble with ESPN jingle followed by "KGFX Pierre." Haven't heard this one in some time. (PM-OR)

KDYL UT, South Salt Lake City 5/30 fair at times with NOS music under/over others, 0345 with KDYL ID. (PM-OR)

?KYW? PA, Philadelphia 5/30 maybe the one buried at 0355 with solid news. At one point it sounded like the newscaster said "News Radio," but hard to tell for sure as WLNO was loud at that moment. At 0357 a spot that sounded like NY was mentioned, but hard to tell for sure. (PM-OR)

1110 KLIB CA, Roseville 4/15 1400 good, back on the air with "KLIB Roseville" simulcasting KFSG 1690. (CM-CA)

1210 KGYN OK, Guyton 4/27 0600 very good over/under KPRZ with country song, numerous ID's and High Plains forecast at 0604. (MS-CA)

1230 KOY AZ, Phoenix 4/27 0606 fading up in KYPA null, talking about Broadway show "Guys and Dolls." (MS-CA)

1240 KQEN OR, Roseburg 4/25 0100 ID into ABC news. Really weak in a noisy jumble with unIDs on Drake with RS loop. Heard only occasionally. (GH-OR)

1310 KLIX ID, Twin Falls 4/28 2230 ID and news, trading places with station playing hip hop. Weak on R-390A with N-S wire. (GH-OR)

1340 KTPI CA, Mojave 4/27 1017 good but fadey with promo for prize giveaway in Tehachapi, then for concert in Palmdale. May have been the station playing a song by Lobo earlier. I used to hear them often as KVOY. (MS-CA)

KLKI WA, Anacortes 4/29 2300 heard ID and news in a noisy mess with Mexican unID and other, on Hammarlund with N-S wire. (GH-OR)

1360 KOHU OR, Hermiston 5/8 0020 ID and C&W music. Very weak and choppy but otherwise alone with no KUIK on SP-600 with N-S wire. Strange. (GH-OR)

KRKK WY, Rock Springs 4/30 0600-0640 listened for 40 minutes this morning. Dominant with oldies by Beatles, Elvis, and Commander Cody. (MS-CA)

1390 KLOC CA, Turlock 5/21 1520 Spanish noted in passing with woman preaching, outro by man, ad. Fair. Noted in Fairfield. (5P-CA)

1400 CIOR BC, Princeton 4/27 good on top with "The South Okanogan Easy Rock" at 0348. (PM-OR)

1450 CHOR BC, Summerland 4/27 0355 good with "Just You and Me" by Chicago, several "Oldies 14-50" ID's. (PM-OR)

1460 KUTI WA, Yakima 4/14 0540 good with country music, KUTI ID. (CM-CA)

1500 KSTP MN, St. Paul 4/11 0510 very good with "The Talk Station KSTP." (CM-CA)

1520 KMPG CA, Hollister 4/15 1500 poor with KMPG ID. (CM-CA)

1550 KYCY CA, San Francisco 5/19 2020 Oakland A's pre-game show, 7 seconds ahead of simulcaster KIFR-FM 106.9. Noted in San Mateo on the ATS-818CS. (5P-CA)

1580 KGAL OR, Lebanon 4/19 2350 "Smart Talk 1580" ID, old time radio show Aldrich Family. Deep slow fades, alone, on SP-600 with E-W wire. (GH-OR)

1620 KOZN NE, Bellevue 4/11 0600 poor under KSMH with "ESPN Radio, The Zone." New. (CM-CA)

KYIZ WA, Renton 4/11 0600 good with "1620 KYIZ Renton-Seattle" then into R&B music. (CM-CA)

Thanks to all our reporters this time. Nancy 6/1 2100

## EASTERN DX ROUNDUP

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

E-mail: [lfreshwater@cox.net](mailto:lfreshwater@cox.net)

Deadlines: 8 AM!! 6-16, 6-30, 7-14, 7-28, 8-25

### STARS OF THE WEEK

(IEN-GA) **Ira Elbert New** Watkinsville, GA  
DRAKE R-8B, 135' N/S L.W., SANGEAN ATS 909

(CAT-NC) **Charles Taylor** WD4INP Greenville, NC

### LOGGINGS

610 VA WVBE Roanoke @ 1157 5/24. Another "finally" logged 'em. Black Gospel sounding format, w/ID "W V B E, 100.5, Roanoke." Even with WFNZ, Charlotte, on 45/225° EWE antenna. Logged from Indianapolis 6/27/62 as WSLS. (CAT-NC)

680 WV WCAZ Charleston, West Virginia @ 2100 5/12. Oldies back to back w/ "Sixty Eight K-A-Z" between. Good in WPTF null. (wandering due to ground & skywave conflux). Question: were they really 220 watts? Probably. Channel cleared for WPTF, so not too much co-channel QRM. 220 watts can do it. Logged in Indianapolis as WCAW in 1962. (CAT-NC)

790 NC WBLO Thomasville, Alexander Co. 5/7 @ 1300. Noted unusual carrier beneath WNIS Norfolk. Nulled to find SPT type format. Phone number in local PSA, then TOH ID "W B L O, Thomasville." Poor, but expected to log this with time. (CAT-NC)

VA WFIR Roanoke 5/7 @ 2005. Local WRNS off air again. But radiating some power from exciter for low level OC. WFIR comes out of ABC News feed, then into promo for Rush Limbaugh show. Then: "On News/talk Radio, 9-60, W F I R." Another one I expected with time. (CAT-NC)

800 VA WDSC Dillon 5/14 @ 1000. ID for "W D S C, Dillon," along with three others (I think) running //. Poor with dominant WSVS Crewe, VA. nulled. Have to try to ID other stations on this small network. BLK GSPL type of format. Finally ID'ed. Logged also during 1986-2001 period. (CAT-NC)

840 VA WKTR Earylsville: FINALLY an ID @ 1759 5/15. Two "WKTRs" and some spots, too weak to copy. Into news at TOH from UniDed network. Usually only an SAH against WCEO, S. Carolina. Groundwave to the west of here enhanced Today. (CAT-NC)

630 DC WMAL Washington. Logged @ 1305 5/29 while WMFD, Wilmington (NC) was off air. Another "finally" logging. Poor. Always under WMFD, but nulling WMFD leaves WMAL too weak to ID. Also hearing a third station under WMAL, but only speculation as to whom. (CAT-NC)

960 CT WELI New Haven @ 1955 5/5. PSA for some volunteer organization, then two quick "W E L I" programs, one with "The Rooster" Mixed in with WRFC & WTGM. Local WRNS 960 off air. (CAT-NC)

990 PA WNTP Philadelphia 5/21 @ 2032. Weather report at tune-in, then "99, WNTP." Atop everything. WEEB, Southern Pines (NC) had just dropped power. WNML beneath. (CAT-NC)

TN WNML Knoxville 5/21 @ 2102. Out of ad, "WNML, [plus two other stations] The Sports Animal," and back into baseball game. WNTP nulled, + QRM from unIDed SS. (CAT-NC)

1050 NC WWGP Sanford, Lee County: 5/6 @ 1650. String of spots and PSAs, "America loves our country... W W G P." Finally! Usually under WVXX, Norfolk and too weak to ID when WVXX is looped. WX front was strengthening stations to the west today. (CAT-NC)

1330 VA WESR Onley-Onancock: 5/6 @ 0910. Heard with promos for programs later today (or so it sounded) and then "On Thirteen-Thirty, W E S R." Poor with QRM from WBTM Va and others. Semi-local WANG, Havelock back off again. Used to hear WESR often 1986-2001. Now it's unusual. (CAT-NC)

1490 NC WAZZ Fayetteville – 05/20/07 2303 – UC Gospel Music. Weak signal fading in and out of the static. "1600 WIDU, Fayetteville. 1460 WEWO, Laurinburg" and "WIDU, 1600 AM" and "Rejoice, Musical Soul Food". (IEN-GA)

1520 MD WCRI Brunswick @ 0810 5/5. Way atop 1520. ID/Promo: "If you're hearing (a series of short NOS excerpts) you're only hearing repeat Your Favorite Radio, A-M Fifteen-Twenty, W C R I." (more-or-less as I could copy it.) (CAT-NC)

1590 NV WCOE Chadbourn (Columbus Co.) 5/22 @ 1700. Always hear this one under WHPY, Garner/Raleigh; but nulling WHPY leaves WVOE too weak to ID. Today, I left WHPY un-nulled and right after the end of a choral hymn and before WHPY's ID, I heard a clear "WVOE." Pays to persevere. (CAT-NC)

**T.I.S. / H.A.R.**

1610 NC WQVB479 Rocky Mount, Edgecombe Co. 5/18 @1330. Heard constant relay of NWS station Rocky Mount, without any TIS ID. FCC lists this as Edgecombe County Emergency Management. Rocky Mount straddles Edgecombe & Nash Counties. 60% intelligible. S-3 w/QRM from OC and other (apparent) TISs. (CAT-NC)

1610 NC WNBR326 Raleigh (Raleigh/Durham International Airport). 5/25 at 1907. Hard-to-copy soft, female voice mixed with another, NOAA relaying TIS. Got lucky as I copied "This is station WNBR- 326, AM 16-10... are located in the... \$1 per hour, or \$24 per day...." Poor to fair. Whole mix was about S-4. (CAT-NC)

1620 ?? WCTU514 5/24 @ 1830. Heard reference to "Saint Petersburg," then ID as "WFEW..." or "WMEW...", and a definite ID for "WCTU517," on "1620". Also, "Welcome to the historic city of [unintelligible]." Good briefly, then lost to QRM. (CAT-NC)

WPQE514 Chester. 1830 5/24. This was my unIDed "WCTU514." Keep hearing this until LSS, with looped "Welcome to historic Petersburg...." Description of historic Civil War sites and exit number(s) off I-85. Relistened and called up FCC TIS Query. Petersburg is bounded on n.w. by Chesterfield County. Chester is on I-85 in Chesterfield Co. Competes with WPSF938; Hampstead, NC every late afternoon at LSS. (CAT-NC)

NC WPSF938 Hampstead. FINALLY an ID @ 1855 5/26. After much listening for clues on this one which dominates 1620 until past LSS, hearing NOAA WX for east NC/SC boundary area, and NC Forestry Service, and one mention of Pender County, all over the past several days; just happened to hear "WPSF938, 6-20." QRM from still unIDed VA TIS with frequent references to Petersburg and Civil War memorials. (CAT-NC)

1630 NC WPRS255 Raleigh 5/24 @ 1820. No ID during about 5 min of listening, but made numerous references to "RBC" and a reference to [www.rbccenter.com](http://www.rbccenter.com). Also, directions to RBC from I-40 exits and I-540 exit. Acc. to FCC TIS list, this TIS belongs to Centennial Authority, parent of RBC, Poor to fair, with OC from WRDW (who was having spasms of audio feed.) (CAT-NC)

1640 NC WPXX639 Benson 5/23 @ 1750. Poor to fair. ID: "This is station WPXX639 broadcasting on 16-40 AM for the North Carolina Department of Transportation." ID every minute over a continuous rebroadcast of NOAA NWS station. (CAT-NC)

1680 NC WPNY994 Garner (Raleigh) @ 1940 05/27. Finally, a recorded ID from this one recorder wasn't running three times before. Male voice. Regular, poor - fair w/QRM from other TISs, WTTM NJ and a wandering het. 3 transmitters listed for WPNY994. This is the closest, and I hear the other Wake County TIS's frequently too. (CAT-NC)

1700 NC WQCL647 Newport News @ 1830 5/27. Also a regular visitor. With info on what to do in case of a tornado and other stuff. Female voice. Poor – fair w/QRM from Arlington County (VA) TIS. No callsign heard during several receptions. (CAT-NC)

1700 VA I heard two other TISs under/over WQCL647 Newport News, Virginia late this afternoon. One definitely IDed itself thusly [preceded by SS announcement]: "You're listening to Arlington County AM 1700, your advisory station for important travel and safety information. Set your radio to 1700...." FCC lists show two TISs in Arlington, so using the syntax (fashioned after the Hanover County TIS, below) for a query to Arlington County . government, I tried [www.co.arlington.va.us](http://www.co.arlington.va.us) and got a website, and I queried them as to the correct call sign. Doubt they'll reply. Poor mostly, but happened to peak in time for the above annc. (CAT-NC)

VA Ashland, Hanover County. Heard third down below WQCL647 Newport News and Arlington (VA). No other information except reference to Hanover County, and a web site that I figured out as [www.co.hanover.va.us](http://www.co.hanover.va.us). Tried it out, and it's good,

But went no further because I was hotter on WQCL647 Newport News and Arlington. Very poor, barely intelligible. (CAT-NC)

**UN-IDEN**

1610 NC ???? 5/24 @ 1840. Relaying NOAA station that broadcasted advisories for "beaches of southwest North Carolina and southeast South Carolina." Then fire hazard levels by NC Forest Service. Suspect WPPG958, Carolina Beach, NC. Overriding everything at times. (CAT-NC)

1610 NC ???? 5/24 @ 1820. Female voice giving information for parking. Maybe this is MCB Camp Lejeune. Poor. (CAT-NC)

\*\*\*\*\*  
 Thanks to Charles and Ira this time around. Looks like AM DX season is pretty much over. I have been gearing up for TV DX. In fact, while typing this column I was watching Ch. 2 from Chicago, Green Bay and Canada. Got back from a week in the mid-west visiting customers and going to the Dayton Ham-Vention. Got a great tour of the Emmis complex in Indianapolis (WIBC 1070) and stopped to see NRC member Fred Vobbe at WLIOTV in Lima, OH. A great time in Dayton. Unfortunately no room on the plane for a lot of the bargains I saw. Best to all... fresh 6-02 0930

**DX WORLDWIDE – WEST / TROPICAL BAND DX**

**Patrick Martin – P.O. Box 843 – Seaside OR 97138**

E-mail: [mwdxer@webtv.net](mailto:mwdxer@webtv.net) all times UTC

Greetings everyone,

Summer conditions have dropped in. Time to start working on antennas before Fall gets here. I added a new ground rod at the end of the 1500' Eastern beverage antenna this week. The old rods were in bad shape. The new rod seemed to improve the pattern a bit.

We have reports from Robert Wien CA, Dale Park HI, and Nick Hall-Patch from BC. Nick also sent along some US tips from Japan he heard on his recent trip, so away we go.

**PAN AMERICAN DX ROUNDUP**

540 **MEXICO**, Tijuana BCN XESURF 3/17 0510, Steve Warner C&W song. Excellent. 1260 is no longer//and is now KMZT-K Mozart w/Clas. (REW-HI)

560 **MEXICO**, Cihuatlan, Jal. XEMZA, La Buena Onda del Pacifico 3/26 0535. (REW-HI)

660 **MEXICO**, Tampico, Tams XEAR, La Mexicana 4/6 0510-0530. (REW-HI)

680 **MEXICO**, KNBR SF off with OC, 6/2 0500-0600 two Mexican stations audible underneath, one playing 70s music, one playing 80s and early 90s, their ID sounded like "la mismo" or "la ritmo" then "seis ochetta" (680), Hermosillo? (RW-CA)

730 **MEXICO**, Ensenada, BCN XEEBC 3/19 0700, ID by man. (REW-HI)

750 **MEXICO**, Tempoa, Ver. XETI 3/9 0517 ID jingle by female group. (REW-HI)

770 **MEXICO**, Los Mochis, Sin. XEJJR La Ke Grapa 4/23 0505 ID by man. (REW-HI)

870 **ARGENTINA**, Capital Federal, Radio National, LRA1 5/3 1010. (REW-HI)

870 **MEXICO**, Mazatlan, Sin. Radio Formula XEFIL 4/6 0459, ID by man. (REW-HI)

880 **MEXICO**, Los Mochis, Sin. XEPNK Canal 880, 4/9 0415. (REW-HI)

890 **CUBA**, Chambas, Radio Progreso, CMD2 4/12 0800. (REW-HI)

960 **CUBA**, Guantanamo, 4/5 0520 with usual RR CW, news, second clock ticks, Good o/u KQKE //870. (REW-HI)

1090 **MEXICO**, Rosarito, BCN XEPRS 4/25 0615. Surprise. All in SS with Mexican mx. (REW-HI)

1100 **MEXICO**, Bahia Asuncion BCS XEBAC 3/24 0500, ballads, 0501 ID by man. (REW-HI)

1200 **MEXICO**, Punta Abreojos, BCS XEPAS 3/10 0530 (The name misspelled in the WRTH 2007, means "eye opener.") (REW-HI)

1220 **BRAZIL**, Rio de Janeiro, ZYJ458, Radio Globo 3/18 0425. (REW-HI)

1230 **ARGENTINA**, Rosario, LT2 Radio Dos 5/3 0910. (REW-HI)

1230 **MEXICO**, Culiacan, Sin XEEX, Radio Formula 3/21 0558 ID by man. (REW-HI)

1250 **MEXICO**, Saltillo, Coah XESJ 5/7 0602 ID by man. (REW-HI)

1280 **BERMUDA**, Hamilton, VSB2 Bible BC Network 4/30 0504, Amazing Grace and other standards and 0600 ID by man "This is the Bible Broadcasting Network, 1280 Hamilton, Bermuda" Good to very good, atop KXTK and occ. Tupi. Last heard here in the 80s.(REW-HI)

1290 **MEXICO**, Mexico DF, XEDA, 4/2 0604. (REW-HI)

1320 **MEXICO**, Mexico DF XENET Radio Monitor 3/22 0600 NA with military band & choir, ID by man. (REW-HI)

1350 **ARGENTINA**, Capital Federal, Radio Buenos Aires, LS6 5/3 0948 mx, discussion. (REW-HI)

1350 **MEXICO**, Torreon, Coah XETB Radio Laguna 5/7 0500. (REW-HI)

1440 **MEXICO**, Mexico DF XEEST. (REW-HI)

1440 **NICARAGUA**, Radio Masanatha YNRM Managua, 4/8 0502. (REW-HI)

1450 **MEXICO**, Los Mochis, Sin. XECU La Rancherta 4/6 0537. (REW-HI)

- 1480 **MEXICO**, Guadalajara, Jal. La Voz de Guadalajara, XEZJ 3/10 0555. (REW-HI)  
 1530 **MEXICO**, KFBK Sacramento off on a rare SP with OC, 6/4 0405 then totally off, Mexican (XEUR?) in or maybe KGBT, nothing else? can usually hear the Mexican way under them. (RW-CA)  
 1620 **U.S. VIRGIN IS**, Charlotte Amalie, WDHP 3/18 0400, ID by woman. (REW-HI)

#### TRANS PACIFIC DX ROUNDUP

- 639 **CHINA**, CNR 1 3/31 Man in CC //5030, and a split second ahead, fair to very good. (NHP-BC)  
 702 **AUSTRALIA**, Sydney 2BL 1327 4/10, man talking in EE fair //612. (NHP-BC)  
 828 **AUSTRALIA**, Sale 3GI 1329 4/10, man talking in EE, briefly fair //612. (NHP-BC)  
 828 **UNID** 5/22 1040, Aussie man and woman talking ID at 1100 missed. 3GI or the former 2XS? KHVH off. Poor to very poor. (5P-HI)  
 954 **CHINA**, CNR 1 1302 4/29 Briefly fair with woman talking //5030. (NHP-BC)  
 1332t **AUSTRALIA**, Bundaberg QLD, 4BU 5/22 1520 Probably them with what sounded like a phone-in show. 4BU is the only 5 KW station from Australia ever heard here. (5P-HI)  
 1566 **SOUTH KOREA**, Cheju HLAZ 1346 3/30. Stumbled across this just as it signed on in CC with fine signal. "HLAZ" ID and CC talk. If they didn't forget to change their pattern, it must have been really strong a moment earlier! (NHP-BC)

#### TRANS PACIFIC DX FROM JAPAN

- 1100 **UNID** 5/1 at 1152 Man talking very weak, could have been preaching by the cadence of it, Wonder if KFAX was possible? One other audio heard was on 850, weak vocal music at 1216 which Bruce Portzer suggested it might be Nome, but not the remotest chance of an ID on these. (NHP-NIHON) (Nick, what about KHLO on 850? I believe they are still oldies. PM)  
 1300 **USA**, WA, Seattle KKOL 1145 5/1 First started noting talk on this channel at this time, some sort of interview. As 1200 approached, signal was at fair level. "Bill Bennett, morning in America" heard then signal started to fade, but not before a "KOL" ID caught just after the hour. (NHP-NIHON)  
 1600t **USA**, WA, Blaine KVRI Although 93 ten khz carriers (including most graveyarders) were heard at Erimo Misaki, only a few delivered any audio. This channel had some Indian sounding signing by man at 1110 5/1 and also at 1158, presumed this one, poor but readable, soon faded on both occasions. (NHP-NIHON)

#### THANKS TO THESE REPORTERS

- 5P-HI **DALE PARK**, PO Box 10640, Honolulu HI 96816 [dxfool@aol.com](mailto:dxfool@aol.com)  
 DXing with Sangean ATS-818CS, Terk AM1000 loop  
 NHP-BC **NICK HALL-PATCH**, 1538 Amphion Street, Victoria BC V8R 4Z6 [nhp@iee.org](mailto:nhp@iee.org)  
 DXing with Drake R8, Dymek DR333, North and West Flag antennas, ALA 100 loop, 1 meter indoor box loop, 14m sloper, DXP-3 phasing unit  
 NHP-NIHON **NICK HALL-PATCH** DXing at Erimo Misaki (Hokkaido japan) using DR333 and 6 meter circumference ALA 100 loop antenna  
 REW-HI **RICHARD E. WOOD**, HCR3 Box 11087, Keaau HI 96749.  
 DXing with Icom R75, 1800' Eastern beverage, 300' LW to NE.  
 RW-CA **ROBERT WIEN**, Fontana CA [Robert.Wien@ngc.com](mailto:Robert.Wien@ngc.com)  
 DXing with GE Superadio, Select-A-Tenna

#### DX WORLDWIDE - EAST

**Brandon Jordan – 4920 Park Ave. – Memphis, TN 38117**

E-mail: [dxww-e@bcdx.org](mailto:dxww-e@bcdx.org) all times UTC

Hi folks and welcome to this week's edition of DXWW-East. Monday evening is the weekly deadline for submissions.

#### \*\*\* TRANS-ATLANTIC DX \*\*\*

- 153 **ALGERIA** *Alger Chaîne 1*, Béchar, MAY 23 0005 - soft Arabic talk, violin music interludes - possibly a dramatic presentation; very good. [Connelly\*rw-MA]  
 162 **FRANCE** *France-Inter*, Allouis, MAY 23 0006 - Latin American jazz with Spanish male vocal, then French talk followed; loud. [Connelly\*rw-MA]  
 198 **UNITED KINGDOM** *BBC Radio 4*, Droitwich et al., MAY 23 0006 - BBC English news; poor to fair in mix with second station, likely Algeria. [Connelly\*rw-MA]  
 207 **MOROCCO** *RTM A*, Azilal, MAY 23 0007 - Arabic talk; through QI beacon (206) interference. [Connelly\*rw-MA]  
 234 **LUXEMBOURG** *Radio Luxembourg*, Junglinster, MAY 23 0008 - Elton John or similar vocal; good. [Connelly\*rw-MA]

- 252 **IRELAND** *RTE Radio*, Clarkestown, MAY 23 0010 - folk music with flute, then man in English; over other station (Algeria?). [Connelly\*rw-MA]  
 531 **SPAIN** *Radio Nacional 5* synthros, MAY 23 0013 - fast Spanish talk, then '70s oldie "Eres Tu" by Mocedades; very good over presumed Algeria/Madeira mix. [Connelly\*rw-MA]  
 549 **ALGERIA** *Alger Chaîne 1*, Les Trembles, MAY 23 0002 - Arabic news by man; fair with WDEV phased. This got loud later. [Connelly\*rw-MA]  
 567 **SPAIN** *Radio Nacional 5* synthros, MAY 23 0015 - // 531 with "Eres Tu" song; fair, over Ireland. [Connelly\*rw-MA]  
 585 **SPAIN** *Radio Nacional 1*, Madrid, MAY 23 0001 - Spanish news interview; fair. [Connelly\*rw-MA]  
 603 **SPAIN** *Radio Nacional 5* synthros, MAY 23 0016 - // 531 & 567 with "Eres Tu" song, then Spanish talk; good. [Connelly\*rw-MA]  
 612 **MOROCCO** *RTM A*, Sebââ-Aioun, MAY 22 2359 - compressed Arabic talk by man, then violin music interlude and talk by woman; good. [Connelly\*rw-MA]  
 693 **AZORES** *RDP Antena 1*, Santa Bárbara, Terceira, MAY 23 0020 - blues-rock, Portuguese talk; good (way over UK) with CINF phased. [Connelly\*rw-MA]  
 945 **FRANCE** *France Info*, Toulouse, MAY 23 0027 - man in French with interspersed mellow music; fair. [Connelly\*rw-MA]  
 999 **SPAIN** *COPE*, Madrid, MAY 23 0029 - two men with sports-related Spanish talk; loud. [Connelly\*rw-MA]  
 1044 **SPAIN** *SER* synthros, MAY 23 0033 - Spanish teletalk; fair to good. [Connelly\*rw-MA]  
 1089 **UNITED KINGDOM** TalkSport synthros, MAY 23 0042 - male announcer talking with phone-in, Stephen King books mentioned; fair with WBAL phased. [Connelly\*rw-MA]  
 1098 **SPAIN** *Radio Nacional 5* synthros, MAY 23 0044 - excited Spanish talk, highly echoey. [Connelly\*rw-MA]  
 1107 **SPAIN** *Radio Nacional 5* synthros, MAY 23 0044 - Spanish talk in immense growl (from 1107.13) that made audio extraction difficult. [Connelly\*rw-MA]  
 1134 **CROATIA** *Glas Hrvatske*, Zadar, MAY 22 2348 - Slavic folk-rock vocal in a style reminiscent of Springsteen; fair. Quite strong an hour later. [Connelly\*rw-MA]  
 1179 **CANARY ISLANDS // SPAIN** *SER* synthros, MAY 23 0050 - fast Spanish talk by man & woman; good. [Connelly\*rw-MA]  
 1206 **FRANCE** *France Info*, Bordeaux, MAY 23 0051 - "Beyond the Sea" by Bobby Darin; fair. [Connelly\*rw-MA]  
 1215 **SPAIN** *COPE* synthros, MAY 23 0053 - woman in Spanish; slightly below UK. [Connelly\*rw-MA]  
 1215 **UNITED KINGDOM** *Virgin Radio* synthros, MAY 23 0053 - "Could You Be Loved" by Bob Marley; good, a bit over Spain. [Connelly\*rw-MA]  
 1377 **FRANCE** *France Info*, Lille, MAY 23 0055 - // 1206 with '40s jazz style female French vocal; fair. [Connelly\*rw-MA]  
 1422 **ALGERIA** *RTA*, Algiers, MAY 23 0057 - Arabic vocal; under Germany. [Connelly\*rw-MA]  
 1422 **GERMANY** *Deutschlandfunk*, Heusweiler, MAY 23 0057 - pop vocal, then woman in German; loud, over Algeria. [Connelly\*rw-MA]  
 1431 **DJIBOUTI** *Radio Sawa*, Arta, MAY 23 0110 - end of pop song, Sawa mention; poor, in slop. [Connelly\*rw-MA]  
 1512 **SAUDI ARABIA** *BSKSA*, Jeddah, MAY 23 0107 - Arabic talk; through WWZN slop. [Connelly\*rw-MA]  
 1521 **SAUDI ARABIA** *BSKSA*, Duba, MAY 23 0059 - Arabic speech or sermon; to good peak. [Connelly\*rw-MA]  
 1548 **KUWAIT** *Radio Sawa*, Kabd - Kuwait City, MAY 23 0106 - Arabic pop music; poor to fair. [Connelly\*rw-MA]  
 1557 **FRANCE** *France Info*, Fontbonne, MAY 23 0105 - // 1377 with woman in French; poor, in severe WQEW slop. [Connelly\*rw-MA]  
 1584 **CEUTA** *Radiolé*, MAY 22 2328 - Spanish talk, over SER, first strong TA during pre-sunset fade-up; good accomplishment for only 5 kW. [Connelly\*rw-MA]  
 1593 **KUWAIT** (t) *VOA*, Kuwait City, MAY 23 0102 - bits of slow English talk, presumed this. [Connelly\*rw-MA]

#### \*\*\* PAN-AMERICAN DX \*\*\*

- 760 **BRAZIL** *Radio Uirapuru*, ZYH588, Fortaleza, MAY 23 0022 - man preaching in Portuguese; very good. [Connelly\*rw-MA]  
 1110 **VENEZUELA** *Radio Carúpano*, YVQT, Carúpano, MAY 23 0045 - festive male vocal and tropical brass; strongest South American noted, well over WBT. [Connelly\*rw-MA]  
 1210.88 **unID** MAY 23 0112 - weak het, possibly of Latin American origin. [Connelly\*rw-MA]

#### \*\*\* CONTRIBUTOR \*\*\*

**Mark Connelly** [MarkWA1ION@aol.com](mailto:MarkWA1ION@aol.com)  
 [Connelly\*rw-MA] = Rowley, MA, USA (GC= 42.7436 N / 70.8367 W) (salt-marsh: Stackyard Road - Nelson Island, Parker River NWR). Receiver: Drake R8A, Antenna System: phased array consisting of: Vertical: 3.7 m whip (MFJ-1956) to 81:1 transformer to DX Engineering RPA-1

amp + Wire on ground: 70 m, unterminated, pointed east, to 9:1 transformer to RPA-1 amp, Accessories: DXP-6 phasing unit, MP3 Recorder: Pogo Radio YourWay LX

Mark speaks--

"This was more of an after-work antenna-testing session with some DX thrown in, rather than a full-fledged DXpedition.

I was on-site at the salt-marsh for about 2 hours (approx. 2320 - 0120 UTC) checking performance of the 3.7 m vertical whip phased against a 70 m wire on the ground. Luckily it had been cool recently so I was not bugged by as many mosquitoes, greenheads, black flies, and "no-see-em" midges / gnats as would be present at the site a couple of weeks later.

Domestic DX "oddities" that were noted included an experimenter on 506.25 kHz CW with "VVV DE WD2XSH/23", the Boston Haitian-format pirate on 720 (duking it out with TA's!), a National Weather Service outlet on 1620 fighting with WDHP and a Boston pirate, and on 1640 the Maine Fish and Wildlife TIS announcing to check "www.mefishwildlife.com" for fishing and hunting information."

73, Brandon.

## DX FORUM

**Richard C. Evans – 7416 Hearthstone Wy – Indianapolis IN 46227-7923**

E-mail: [REvans5435@yahoo.com](mailto:REvans5435@yahoo.com)

DEADLINES: Sundays

**Deadlines: 6/30, 7/28, 8/25**

**Gary Siegel**, 2955 - 115th Street, Toledo, Ohio 43611

The nature of the AM dial is such that between all the QRM and the nearing threat of HD-AM digital data splash thanks to the FCC allowing IBOC to run on stations that have it in the nighttime hours, I thought it might be a good opportunity to reminisce about the kind of reception that one could experience in the bygone days. As for me, I think of the occasion back in my University of Toledo days when Dan Myers and I in having President's Day off in 1972 sensed a great chance to check out a Monday morning DX session on February 20th on his Hammarlund HQ 180 receiver equipped with loop antenna. With the morning open, the conditions looked promising and there were DX tests to be had. What Dan and I came upon was a morning that would far exceed our most pleasant expectations. We knew KLUC-1140 Las Vegas would be testing and we both needed Nevada. As I recall KCRL-780 Reno was also to test as well. So those were two prime targets. As "K-LUC" would have it the conditions were favorable and the 1140 came on as expected with WRVA off for silent period--yes stations did that back then. At the prescribed time KLUC came on and they absolutely boomed in. We taped it. That reception is still among my prize recordings. KCRL was also heard, though not as good as KLUC, good enough, and yep WBBM was also off that morning. The biggest prize of all would come at 0343 and for 5 minutes Dan and I heard and taped DX magic. We happened upon 650 and heard WSM off. However, under the din was what sounded like English, it was very weak and we prodded the signal along realizing we might have a great trophy with our antenna facing westward. Now back then it came down to two choices Alaska or Hawaii and boy were we salivating with every uh-huh we could hear the deep spoken male announcer utter as it was clear he was on-air talking to someone. After a couple of minutes and as our urgings kept priming it along we finally heard the one call end with the announcer going into another by saying, "KORL Contact, what comment do you have?" Ours was to explode in joy and wake up Dan's family as well as celebrate Honolulu, Hawaii into our logs. We had ourselves a beer over the great DX we just bagged. While that may have been the big prize that morning, there were others. On 540 we snagged CBT Grand Bank, NFLD, CBN-640 St. John's and CBNM-740 in Marystown, NFLD which to this day are still the only Newfies I have in my radio log. Oh yes, I did mention that WBBM was off. Well we got back to it and caught ZBVI in the British West Indies signing on at 0700. Try to do that now. We even tossed in some goodies like Pinellas Park, FL on 570 and WCHO-1250 here in Ohio. After it was all said and done Dan and I went through our vast array of catches and realized that it was a special morning in its width and breath. New stations from Hawaii and Newfoundland and many others in between, now if you hear something from 4 states over it's a decent catch. However, I think back to one morning back in early December last year where I caught CFFR Calgary digging into WFAN on 660, later that morning I caught KTNN dominating 660 at 0730. I also had KSL-1160, CHR8-1140 High River, Alberta, CKWX-1130 Vancouver, BC, CKRM-620 Regina, Sask, CKJH-750 Melfort, Sask, all by 0745. Plus TA's like RTE-1 567 & HRV-1134 back in late November. This could be the last of that type if HD-AM goes in full effect. Still looking back 35 years ago there was an opportunity cashed in like not seen again. The kind of thing that makes for great story telling, hope you enjoyed mine. Do any other DXers have such stories? Let's hear about them. Keep digging while you can. 73s.

**Mike Sanburn**, P. O. Box 1256, Bellflower, California 90707-1256 [mikesanburn@hotmail.com](mailto:mikesanburn@hotmail.com)

Greetings, the KMTI-650 test was heard like gangbusters here in Southern California. While it was running I called Mr. Barton at the station and held my cell phone near the Superadio to let him sample the signal. I thanked him for running the test. He was aware of my close proximity to the KFI-640

tower. (I informed him that they were still using the auxiliary stick.) He also mentioned the possibility of KSVC-980 in Richfield performing the same kind of test sometime in the near future. Since they're at right angles to me, there is a good chance to null local KFWB for that one. It's all about Utah this year! The 2007 IRCA Convention is drawing closer. We've secured a banquet at Diamond Lils Wild West Steakhouse, right up the street from the convention hotel. Also on the agenda is a KSL station tour! I still want to add a couple more... as is the case every year at convention time, we could use member support for donations of items for the auction, and bumper stickers for our goodie table. Perhaps an air check of an interesting station that is local to you. Coffee mugs are always a favorite. Every station that I write to requesting goodies gives me another opportunity to promote our club by sharing our unique website. For those needing the address for the Salt Lake City Convention & Visitors Bureau, it's 90 S. West Temple, S.L.C. Utah 84101. Get your room reservations made while they're available. The special rate will expire one month out from the convention start date. By the way, banquet restaurant Diamond Lils does have a liquor license and full bar for libation lovers. Visit Utah's most famous station online at [www.ksl.com](http://www.ksl.com). Finally, I did receive a verie letter and cat country sticker from CHLW-1310.

**Gary DeBock**, P. O. Box 1313, Puyallup, Washington 98371

Rejoining IRCA after 36 years has been like going back in time... it seems like only yesterday that I was joining rce for monthly meetings with other Chicago-area DXers, at his fine home in Whiting, Indiana (in the spring of 1971). Also clearly remember his fondness for fine cigars, and a trip we made together to Lafayette with other DXers (although I can't remember who we visited). Also remember many other DXers from 1971, like Bruce Portzer, Glenn Hauser, Richard E. Wood, etc. In the years since then, I was fortunate to receive Navy training as a sonar repair technician, and have the chance to DX from many exotic locations like Japan, Korea, the Indian Ocean, Africa, etc. Having had a lifelong interest in DXing with portables (and knowledge of the Japanese language), it was a great privilege to collaborate with Nick Hall-Patch in writing the recent IRCA review of the Sony ICF-EX5 portable. Also have a current project to import, service and align many Japanese-market ICF-S5 portables (the equivalent of the ICF-S5W, but much cheaper in Japan), for use in portable "hot-rodding" experiments. If any members wish to obtain a Japanese-market ICF-S5 or ICF-EX5 at a reduced cost, please feel free to contact me, as the Japanese Yahoo Auctions frequently has these available for under \$100 U.S. While certainly not digital wonders, these analog portables definitely provide a lot of bang for the buck (or yen), and have sensitivity exceeding any stock digital portable that I have tested. Best wishes to all! Gary DeBock

**Richard Evans**, 7416 Hearthstone Way, Indianapolis, Indiana 46227-7923

Finally... I heard a new station. 5/29 found me up most of the night on the computer doing various things and listening to CHWO-740 until the sun started coming up, then I moved over to 730 where, at 0600, I heard a faint SSB. It turned out to be KWRE-730 Warrenton, MO for my first new station since Nov. 7th. It was a long drought in new stations. To take up Gary's challenge, I have a lot of good memories of old-time DXing. I remember the times that Roger Winsor and I spent DXing at his house on MMs back in 1966, 1967 and 1970. There was the time that Roger heard C&W on 1150 and it turned out to be Willcox, AZ running a five minute ET, with a song, ID, song, then off. There was the time Roger called a friend at 1230 in Hammond, Ind. asking him to quit using a tone using his test so that so we could hear a test on 1220 from Sanford, Maine. He did, we did and it was my first station from Maine. There was the time KORL-650 Hawaii was in so strong in Wisconsin that I let my wife hear it on the speaker. There was the time, when I was in Gary, Indiana, that 1380 Everett, Wash. was in so strong I told them in my report that I could probably have heard them on my car radio while driving down the street. I had Belize-830 in as the background station while cooking one time when I was in that same apartment. But... one of my best memories was Jan. 2, 1971 when I was living in East Chicago, Indiana. As I recall, Al Ogrizovich had been over to see me and we started listening with 750 Portsmouth, NH and went on to better things. I don't keep a strictly heard list, just a log of new stations as I hear them, but I went on that afternoon to hear 1060 in Pierre, SD, 1150 in Rapid City, SD, 1550 Arvada, Colo., the unneeded station on 1580 in Tempe, Arizona, the unneeded Colorado Springs, Colorado on 1580 before landing on 1550 again and realizing it was not CBE-1550 in Windsor, Ontario. It turned out to be then daytime-only Salt Lake City, Utah with a great signal. I stayed with them until they signed off at 1945 EST, leaving a somewhat decent music station which, again, was not CBE. Who? The only possibility I could find from the sunrise/sunset maps was the daytimer in Reno, Nevada, due to s/off at 2000 to be followed by a great chance at a station in California. However, at 1955, just a couple minutes before the music station on 1550 had a chance to ID and go off, the skip ended and CBE came roaring in, loud enough to sound like a teenager driving down the street with the windows down and the radio turned up, hi. For me, it was a sunset skip session which almost literally spanned the country from the Atlantic Ocean to the Pacific Ocean. What happened with AI? He went home towards the first of the session to see what he could hear on his radio there. He should have stuck around.... There are a lot of other memories and I might share some more of them next time around. 73.

**AM 1240 WCNC**  
**1260 WZBO**

## DX WORLDWIDE - II

**Bruce Portzer – 6546 19th Ave. NE – Seattle, WA 98115**

E-mail: [bportzer@comcast.net](mailto:bportzer@comcast.net)

All times unless noted otherwise

### WESTERN HEMISPHERE

**COLOMBIA:** Red Sonora: 1040 HJSY Caucana, Popayán, 1390 HJFO Red de los Andes – “LV de siempre”, Manizales, 1500 HJLJ Sonora – LV de la Red, Cali. Cadena Radial Auténtica: 540 HJKA R. Auténtica Básica, Santafé de Bogotá, 660 HJJM R. Auténtica, Cali, 1080 HJKT R. Auténtica, Villavicencio, 1090 HJIG R. Auténtica, Florencia, 1260 HJDA R. Auténtica, Medellín, 1330 HJAP R. Auténtica, Cartagena, 1360 HJYW R. Auténtica, Pacho, 1370 HJXK R. Mundial, Santafé de Bogotá, 1390 HJMI R. Auténtica, Helgar. 700 HJCX W Radio, Cali slogan “W Radio... siempre con tus éxitos”. (Yimber Gaviria via Arctic)

**HONDURAS:** President Manuel Zelaya has ordered private radio and TV stations to broadcast government propaganda to counteract what he called unfair coverage of his administration. Zelaya said Wednesday that all 500 radio stations and 100 television stations would be required to simultaneously air conversations and interviews with government officials two hours a day for 10 days straight. Broadcasters said the transmissions were to start Monday 10 p.m. to midnight. Under Honduran law, the government may order broadcasters to air messages that are deemed to be of importance to the country. “We find ourselves obligated to make this decision to counteract the misinformation of the news media about our 17 months in office,” Zelaya told a news conference in the Caribbean city of La Ceiba, where he was inaugurating a water treatment plant.

The College of Journalists, a trade organization with more than 1,200 members, said Zelaya should speak to the media about his administration's accomplishment instead of resorting to an ineffective tactic commonly used by military governments that ruled Honduras from 1956 to 1982. Today in Americas U.S. lawmakers approve fresh funds for Iraq war U.S. opens a sheltered path to asylum for some Iraqis Violence mars effort to cut fees paid by Mexican guest workers Zelaya criticized the press earlier this month, saying that “the owners of this country... are the owners of the news media, groups with great economic power and personal interests that focus on exploiting (Honduras') political and social problems.” In April he unsuccessfully asked Congress to outlaw publishing reports on violent crimes, saying the press is interested in “glorifying evil to make money.” The leader of the opposition Innovation and Unity Party, Olban Valladares, said Thursday that Zelaya “is nearing authoritarianism” with the new measure. (<http://www.iht.com/articles/ap/2007/05/24/america/LA-GEN-Honduras-Media.php> via Zacharias Liangas HCDX 25 May)

**MÉXICO:** Cofetel, Mexico's Federal Telecommunications Commission, has proposed that radio stations within 200 miles of the country's northern border with the US be allowed to voluntarily begin broadcasting with HD Radio technology. The proposal first has to be approved by the government. Mexico is poised to join a rapidly expanding list of countries around the world that are leveraging HD Radio technology to transition from analogue to digital broadcasting and, in the process, revitalize the airwaves with exciting new content options, said Robert Strublei, President and CEO of iBiquity Digital, which developed the HD Radio system. We look forward to working with our partners to provide Mexican AM and FM broadcasters with a seamless and cost-effective solution for their digital radio needs. (Ibiquity Digital via RN Media Network Weblog, via Steve Whitt, mwc 21 May)

Broadcast Electronics announced what it called the first public demonstration of AM HD Radio in Mexico. It said 170 station owners and engineers attended on Saturday, May 26. XEXL(AM) at 690 kHz in Patzcuaro, Michoacan, broadcast through a BE AM 2.5E transmitter as part of a demo held in conjunction with the CIRT convention. Broadcasters at the studios listened to the programming on a variety of HD Radio receivers. Mexico recently OK'd use of HD Radio within 200 miles of the U.S./Mexico border. “AM HD Radio is of particular interest to broadcasters here,” BE stated, “as two-thirds of the radio stations in Mexico are broadcasting on the AM band.” (Radio World newbytes, 1 June)

**PÉRU:** César Pérez Dioses, Chimbote, Peru reports in ConDig:

1570 R. Vilcanota, Quillabamba, Cuzco, programa musical, ide por OM, promos, 0340, Abril 09  
1610 R. Luz y Vida, Cajamarca, ide, promos, música vernacular, 09.12 UTC, Abril 10.  
1640 R. Ecológica de Cajamarca (via Arctic)

**URUGUAY:** The Uruguayan executive authority finally revoked the operation licenses granted to the brothers Berch and Aram Rupenián. The decision of the Ministry of Industry, Energy and Mining, signed by the president of the republic, Tabaré Vázquez, includes the four radio stations administered by the entrepreneurs: CX 50 “Radio Independence”, 234 CXD “Concert FM”, CX 287 “Radio Punto” and CX 232C “Radio Concert Punto”. ([radiodifusiondata.com.ar](http://radiodifusiondata.com.ar) via finndex.wordpress.com via Arctic)

**VENEZUELA:** QSL Card and letter from Radio Nacional de Venezuela received. The signer of the letter was Mr. C-Ali Méndez Martínez who says he was retired from RNV recently but engaged with

checking of listener mails. He also gives his residential address as: Urb. Santa Paula, Calle Sagitario, entre Leo y Neptuno, Conjunto La Morita, Qta “la 8”, El Cafetal, Caracas, Venezuela. The station address mentioned on the envelope which can be used for sending reports is: Radio Nacional de Venezuela, Final Calle Las Marías, Entre Chapellín y Country Club La Florida, Caracas, Zona Postal 1050, República Bolivariana de Venezuela. (T. R. Rajeesh, Kerala, India 3.5.2007 via DXLD 7-052)

### ASIA AND PACIFIC

**AUSTRALIA:** The Australian parliament today passed legislation allowing for digital radio to be rolled out in the state capitals by 1 January 2009. The move has been welcomed by industry body, Commercial Radio Australia, which represents 98 percent of commercial radio stations.

“Digital radio ushers in a new era for radio and for the 95 percent of Australians who listen to radio every week,” said Joan Warner, Chief Executive Officer of CRA. “The passing of the legislation means consumers will get vastly superior radio services sooner rather than later and it gives industry the certainty it needs to move ahead on the massive investment in broadcasting infrastructure that will be required.”

She said while the legislation covered the licensing, planning and regulation for digital radio initially in the six cities of Sydney, Melbourne, Brisbane, Adelaide, Perth and Hobart, regional and rural Australia would not miss out.

“There are around 220 commercial radio stations who play a very important role in the lives of listeners in regional and rural Australia, and it's important that they share in the benefits that digital technology will bring,” she said. Ms Warner said the act reflected the industry's key policy requests and the vital role commercial broadcasters would play in the roll out and success of digital radio. (ABU, via Zacharias Liangas, HCDX 12 May)

**BHUTAN:** We have started our 100KW transmitter few days ago. Our transmission starts from 6:30 AM to 12:00 and 14:00 to 21:30 (Indian standard Time). Send you the details in next. (Thinley Dorji, BBS engineer, 19 May, via Alokesh Gupta HCDX)

**INDIA:** Upon visit to AIR HQ, it is learnt that the new Director, Frequency Assignments of AIR is Mr.V.P.Singh. He replaces Mr.Y.K.Sharma who was transferred. For the record, it is Director, Frequency Assignments who signs on all QSL cards issued by AIR HQ. For a sample AIR QSL please click: [http://www.qsl.net/vu2jos/qsls/Aligarh\\_SW.jpg](http://www.qsl.net/vu2jos/qsls/Aligarh_SW.jpg) (Jose Jacob, DX\_India, 7 May)

The DRM Consortium, All India Radio (AIR) and the ABU organized a radio broadcasting event of significant interest to our medium wave radio broadcaster members. This event, the DRM-AIR-ABU Showcase on SCS Simulcasting in MW Band, demonstrated DRM digital radio transmissions in the medium wave band successfully using the Single Channel Simulcast (SCS), Multi-Channel Simulcast (MCS) technologies. Also trialed were full 18 kHz DRM in MW band, local DRM radio transmissions in the 26 MHz band, Near Vertical Incidence Skywave (NVIS) transmissions and DRM shortwave radio transmissions. Extensive measurements were carried out for all types of transmissions. The principle objective of project was to showcase the feasibility and workings of the relatively new technologies of SCS and MSC, while broadcasting AM and DRM signals using only one transmitter. The project aimed at equipping the participants with sufficient expertise in the area of simulcasting in the MW band which will help in carrying out similar trials in their own countries. As this technique has been successfully demonstrated at the trial in this region, there are many obvious advantages that could accrue to radio broadcasters if they make use of this technology. Given that this region has some of the largest medium wave radio broadcasters, we believe that successful trials and measurements will pave the way for easy and cost-effective transition to DRM transmissions. [http://www.abu.org.my/public/dsp\\_page.cfm?pageID=755](http://www.abu.org.my/public/dsp_page.cfm?pageID=755) (via Alokesh Gupta, DX\_india 1 June)

**TUVALU:** Radio Tuvalu now has a website <http://www.tuvalu-news.tv/tmc/index.html>. It only mentions FM operation, so to no great surprise I think the AM on 621 is now kaput. As it is, the FM only runs about 5 hours a day of local programming and fills the rest with the BBC. (Portzer)

### EUROPE, AFRICA, AND MIDDLE EAST

**BENIN:** Latest information I've received says the dedication of the Benin station will be on 4<sup>th</sup> August. However, we're hoping to start preliminary broadcasts in mid July. This depends on when the transmitter arrives in Parakou from Canada. (Steve Whitt, mwc 24 May)

**LUXEMBOURG:** “Apologies if I'm reporting something that's not news, but I see from the current ITU notification of proposed new LF/MF registrations that Luxembourg is seeking to use 279 longwave (250 kW day, 150 kW night). Anyone know any more about this? The registration document is dated 6 March 2007 and comments must be submitted by 26 June. The document does not indicate any coordination required with other users of 279 (it does do so for some other new LF registrations that are being requested by Russia) so presumably the registration will be granted. Has Luxembourg slipped in with this bid, knowing that Isle of Man 279 is now definitely off? If Luxembourg gets the channel, this would presumably block any future attempted registration of the frequency by the UK or the Isle of Man.” The ITU document is at: [http://www.itu.int/ITU-R/publications/brific-ter/files/ge75/2007/GE75\\_115.pdf](http://www.itu.int/ITU-R/publications/brific-ter/files/ge75/2007/GE75_115.pdf) (Chris Greenway BDXC-UK, via mwdx)

The status of the coordination process can be seen in the columns “Coord\_A” (countries affected by the coordination) and “Coord\_B” (countries with which a coordination is required) in the pdf-file. If

"Coord\_B" is blank, this means that the data was approved by the countries involved. This is now the case with the LUX registrations for 279, 783 and 1098 (the countries these entries needed to be coordinated with were published in the file GE75\_112, 8 Mar 2005). It is perhaps not so widely known what are the coordinated characteristics of the Isle of Man registration on 279 (registered 1999): it is 500kW day (0600-1800) and 10kW night (1800-0600). (BerndTruteneau mwdx 29 Apr)

**NETHERLANDS:** Dutch commercial station Radio 10 Gold has confirmed to David de Jong of DutchMedia that its medium wave transmissions on 1008 will cease by 30 June at the latest. Station spokesman Jan Willem te Gussinklo Ohmann said that the exact date has not yet been decided. He also confirmed that the power of the transmitter in Zeewolde (Flevoland) has been reduced in preparation for the eventual closedown. This affects mainly listeners in neighboring countries. Te Gussinklo Ohmann also said that it's still not known what is going to happen with the licence. (DutchMedia via RN Media Network weblog)

As already published earlier, R10G will turn off the MW-frequency 1008 kHz completely by the end of May, but there's still a project named Radio 1008 ([www.radio1008.nl](http://www.radio1008.nl)) which wants to offer the same musical style. At the moment it's not sure if they will have a future, but I am pretty sure that there won't be a religious stn on 1008! (Jens Hofstadt, mwc 15 May)

Latest reports from reliable sources close to Dutch commercial station Radio 10 Gold say that the mediumwave transmitter on 1008 will be silenced by the end of this month. It has been operating on reduced power in recent weeks. References to 1008 are gradually being removed from the website. There are also reports today that several of the remaining staff have received redundancy notices - though the DJ's are not affected. (RN media Network weblog 15 May)

K TV station Channel 4 is currently running a series where entrepreneur Harvey Goldsmith (co-organiser of "Live Aid" with Bob Geldof) has to revive the fortunes of ailing businesses. On Tuesday 17th April, the series featured radio station Big L, who are supposedly losing around £50,000 per month, most of which is probably due to the high cost of the AM transmissions from Holland on the frequency 1395, which to most people in the UK is currently so poor it is un-listenable and every night during the hours of 1900-2200, is turned off, as the frequency is used by a powerful Eastern European broadcaster. Big L presenters such as Randall Lee Rose keep saying they are working on the latter problem and I have read that they are also hoping to move the transmitter 100 miles closer to the UK, but still in Holland, or maybe it will be on a ship! [...] (from Offshore Radio Guide <http://www.offshoreradio.de/newsflash.htm> April 27th) (Andrea Lawendel, mwc 1 May)

1584 Radio Paradis, Utrecht is now on the air, (Max van Arnhem, mwc 27 May)

**SWAZILAND:** Confirmation from the station: Liberty Radio, Sandlane Swaziland 1377 has stopped operation. The reply wasn't very clear, but I understood that the Universal Church of the Kingdom of God now owns the transmitter and they themselves at least don't plan to return to the air. (Mauno Ritola, 9 May)

**UNITED KINGDOM:** According to the web site for the Isle of Man long wave station (<http://www.iomib.com/drm.html>) the site is "Under Construction". There is no other information on the web site. It had previously stated "that they were actively engaged in formulating a revised strategy to secure the future of this radio station." (John Williams, mwc 30 May)

The Big 3.7" Heavy Anti-Aircraft Guns have long been gone, but Red Sands Radio is bang on Target for its broadcasts commencing on 14 July 2007. Said Program Director Bob Le-Roi "The whole reason for doing this is to remind people that without the considerable risky effort of the pioneering Pirates, UK radio wouldn't have developed as it has today". When Offshore Radio came on air in 1964 it broke the state controlled British Broadcasting Corporation's stronghold on radio forever and gave listeners what they really wanted. The old WWII Forts had lain dormant and abandoned for years to be taken over by Radio Stations eager to satisfy the public's hunger for Popular Music. Finally silenced in 1967 the Forts are now back in 2007 and "on air" during Whitstable Oyster Week celebrations with a brand-new mix at the broadcasting forefront. Red Sands Radio is part of the overall Project-Redsand who are well advanced in their long term plans to preserve the last full set of Army Forts for future generations. For more information email via [www.bobleroi.co.uk](mailto:www.bobleroi.co.uk). In the first hour of last night's Pirate Radio Skues program there was a phone call from Chris Rowlands who does a similar 3 hour pirate radio tribute show Sundays on Isle of Sheppey community radio station BRFM. He said that he was involved with the project and that it would be a medium wave RSL. (offshoreradio.de via Mike Barraclough, mwc 21 May)

**VATICAN:** Medium wave listeners in Europe have been puzzled by the appearance of Vatican Radio on 702 kHz for a couple of days. Although not mentioned on the website of Vatican Radio, we found an explanation on [www.italradio.org](http://www.italradio.org). A report dated 5 May says "Vatican Radio will test Medium Wave 702 kHz from Monte Carlo on May 8 and 9 at 1900-2200 UTC relaying the European Program in Italian (1900 and 2200 UTC) French, English (1950 UTC) Spanish, Arabic. Transmitter will use 400 kW power and directive aerials (65°). Reception reports are welcome." In an update on 12 May, the site notes that "Listeners from various Italian locations reported to Italradio good reception in Central Italy but problems both in the South and especially in Northern Italy where interferences from 693 kHz RAI DRM transmitter in Milan were rather strong." ([www.italradio.org](http://www.italradio.org) via Media Network via Mike Terry mwdx, 13 May)

**WESTERN SAHARA (Non):** Polisario Front is off on 1550 kHz, is active on 6300... and is back on 700 kHz despite adj. QRM which is mainly de Laghouat 702 kHz. Let's see how's reception tomorrow morning, i.e. if they're keeping this fq. Busy for some time to come. Other news on the Polisario Front: the 1 h prgr in Castilian seems to have again shifted from 2300-0000 to 1700-1800 as observed this evening (4 May) at 1732 by which time just 6300 kHz was audible. Then \ 700 kHz f/in a bit prior to 1900, and was rtd. 34342 at 1907. Right now [2300], it's a steady S9 signal (w/o extra amp.) via the elevated K9AY antenna. The outlet of 1550 kHz is silent. (Carlos Goncalves 4 May via Steve Whitt mwc)

#### WRTH UPDATE

WRTH is pleased to announce that a file containing the summer schedules of all international broadcasters is now available for free download from <http://www.wrth.com>. In addition, this file contains frequency listings and broadcasts in English, French, German, Spanish and Portuguese. The file runs to 110 pages and is just under 400kb in size. You will need the free Adobe Acrobat reader (v5 or higher) in order to view this file. We hope that you find this file a useful accompaniment to the printed WRTH. Regards, WRTH Editorial Team.

### IRCA TECHNICAL COLUMN

**Nick Hall-Patch – 1538 Amphion St – Victoria, BC, Canada V8R 4Z6**

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#### The Kaito KA1103 as a MW portable

The Kaito KA1103 is compact little radio with surprising capabilities. It's only 6 1/2 x 4 x 1 inch thick, with a solid, but not heavy, feel to its case, and looks like a mini portable radio of 25 years ago with an LCD screen showing a simulated analog dial with FM, AM and 10 shortwave broadcast bands. Once switched on, it actually has a digital readout good to 1 kHz, controllable either by a knob or by a 10 digit row of keys under the screen, and, in spite of the 10 shortwave bands shown, it does tune from 100 to 29999 kHz.

It comes with a wall transformer power supply, and its own rechargeable batteries, that can be charged while in the radio. Features of particular interest to the DXer are dual conversion, two IF filter bandwidths, SSB capability, an external antenna input, DX/local switch, and both stereo headphone and line out jacks.

Other reviewers have described the radio (see <http://www.radiointel.com/review-degende1103.htm> for an example), so I'll not dwell too much on its shortwave capabilities, or on the detailed use of alarms, scanning, memories etc. If you want to examine the radio's specifications and modes of operation in detail, the operator's manual can presently be found at <http://www.amazon.com/exec/obidos/ASIN/B0006OCEFY> (be warned, 6MB; way bigger than one would expect for the amount of information).

I'll compare this radio with the Sony ICF-2010, and without use of any external antenna, beyond adjacent tuned loop antennas, as it quickly became apparent that the KA1103's external antenna connector is only functional above 1710 kHz.

Something that will strike you quite early on after switching on the radio, is that there appears not to be a volume control. In fact, it shares a single knob (the "jog dial") with the tuning function, something that some have found objectionable. I surprised myself by finding this out without recourse to the manual, and given that the radio's AGC action seems effective over quite a range, I rarely adjusted the volume anyway.

Tuning is by direct entry of the frequency using the keys, or via the jog dial knob; there is no "chuffing" sound as one advances kHz by kHz using the knob, but a slight click is still audible under quiet conditions. The analog dial bands are not just decorative, as you can get "trapped" in any of the bands if you try to tune outside the range of a band once you're in it (you have to enter a frequency beyond 1710 if you're in the MW band and want to tune beyond it, for example). If one doesn't want to tune 1 kHz at a time, or by entering a new frequency on the keypad, the memories (up to 268, they claim) could be used to hold 9 or 10 kHz MW frequencies, which could then be selected by turning the knob.

OK, how does it work? You might expect a radio this inexpensive (under US \$100) to have problems with sensitivity or with signal handling, but in fact, performance is quite respectable.

**Signal Handling:** I have just two local stations, but both put very good signals into my antennas from a few kilometers away across salt water; it's pretty easy to predict where their mixing products will show up. Indeed, there are a couple that show up in this radio in the daytime, 170, 730 and 1240 kHz, but they also show up on the ICF2010. The 1103's DX/local switch put to "local" kills the 1240 spur, leaving 1kw KGY from 150 km away, weak but clear. The spur also disappeared from the 2010 when its attenuator was used, but KGY was not always audible. The 730 spur disappeared on both radios when attenuation is used, but 170 kHz remains at a lower level on both. No other spurs or

images were noted on the MW band with the 1103. However there was bleed through from a couple of semi locals on 210 and 230kHz on the 1103's longwave band.



**Sensitivity:** This radio is definitely pretty sensitive. As always, when I test a radio, conditions collapse, but both R. Vision Cristiana-530 (>5000 km away), and JOUB-774 (>7000 km away) were audible on the barefoot ICF-2010 for brief periods. The barefoot KA1103 was never far behind in reception of these two signals. The sound quality was somewhat less fuzzy on the 2010 however, and as the signals were sometimes strong enough, the 2010's selectable sideband synchronous detector was able to deliver a definitely more readable signal that the 1103 could, by avoiding the worst of the sideband splatter. Similar observations were made with daytime signals on 530 and 750, but 1640 kHz delivered slightly more readable, though still weak, signals on the 1103 compared with the 2010. Given that the 2010 was pretty much the most sensitive MW portable for many years, this is a pretty fine performance from a radio a fraction of the 2010's price.

Both the 2010 and 1103 gained signal readability and strength on weak signals by being placed inside a 1 meter square tuned loop, though one has to be careful not to mistune the loop to the local stations, as overload can occur. As noted, unlike the 2010, the 1103 doesn't have the advantage of a usable external antenna terminal which limits the easy use of outdoor antennas with this radio. Wrapping a couple of turns of wire around the radio and hooking up a random wire can introduce overload in this location; a tuner would be a good idea.

**Selectivity:** Even in its wide IF filter setting, this radio is reasonably capable of separating out the 10 kHz domestic channels, but the narrow filter does a better job at night, even to the point of getting stations within 10 kHz of my locals. As noted above, 774 kHz wasn't a problem, though, unless a split is strong, I suspect much closer to the domestic channels might be more difficult. But I was able to receive audio from 4QR-612 by tuning to 614kHz, so closer is possible. (This was putting the 1103 inside the tuned box loop, not barefoot! But with 50kw at >11500km, this was a fine catch.) My locals had readable signals from +/- 6kHz of their assigned channels using the wide IF filter. The narrow filter showed the locals readable at +/- 3kHz, but by +/- 4kHz were mostly splatter. The 2010 by comparison shows readable signal from 897.0 to 903.2kHz (note that the 2010 is capable of tuning in 0.1kHz steps).

**S-meter:** Yes, this radio has a 9 position indicator for signal strength on the LCD, and shows some useful dynamic range. However, it is actually a "0-2-4-6-9 bar" indication, so there are effectively only 5 signal levels indicated. Still, it's helpful when looking for a station null when using the radio barefoot, or for a peak when boosting the signal with an external tuned loop.

**AGC:** As already noted, the radio's AGC is effective over a reasonably large range of input signals. Any signal that indicated on the signal strength display changed very little in audio output when the signal was peaked up with the tuned loop, even as the S-display maxed out. There was no concern about AGC recovery when tuning from a strong signal to a weak one 10kHz away, and strong subaudible heterodynes didn't "pump" the audio output as badly as the 2010 did when tuned to the same channel.

**Audio quality:** Given the small speaker, audio quality was acceptable, and was more so using headphones. The 2010 did have a somewhat crisper sound when using the narrow filter than the 1103 did, however, which aided readability of marginal signals. The line output seemed a little more bassy when fed to headphones through a PC soundcard or stereo amplifier, than when feeding the headphones directly from the radio. But, that is a small complaint, given that there is a line output at all (it's stereo by the way, so you can tap off stereo FM if you so choose).

**SSB:** Although the KA-1103 has SSB capability, it is really only useful for carrier detection on MW. The continuously variable SSB fine tuning control does allow reasonable demodulation of true SSB signals on other bands however.

**Conclusion:** If you're looking for a good starter radio for MW DXing or a light and compact DX capable portable radio for traveling, the Kaito KA-1102 is probably the best bet there is today. It is inexpensive, and has sensitivity, selectivity and signal handling capability easily comparable to considerably more expensive portable radios. It would be nice to have a working external antenna jack for MW use, and selectable sideband synchronous detection for digging out the splits, but at this low a price, these are quibbles.

(thanks to Walter Salmaniw for the loan of his KA-1103)

## SPECIAL FEATURE

### AIRPORT SECURITY AND AIRLINE-BASED DXPEDITIONING: Lessons Learned

John H. Bryant

While it is still fresh in my mind, I thought that I might share a few lessons learned from my recent DXpedition to Easter Island. In Spring 2007, I actually planned two DXpeditions, almost back-to-back, so that the first, to Cape Hatteras, North Carolina, might serve as a test bed for the second, the main trip to Easter Island. I was particularly concerned about moving a lot of bits and pieces of radio gear through airport security. For each trip, I used two large pieces of luggage which were checked for the flight and a medium-sized backpack which I carried on the aircraft with me. Even though specially miniaturized for these journeys, my radio gear alone weighed about 50 pounds and was made up of many small, suspicious-looking objects. Given my history of lost luggage, I was also very concerned about arriving at my destination without some vital piece of radio equipment. Thus, I decided to keep my main DXing gear with me in my carry-on back pack: my main receiver, the Eton E1-XM, one matching transformer, my main audio recorder, the Edirol R-09 by Roland, a few spare batteries, ear bud headphones and 500 feet of 28 gage teflon-coated antenna wire. When viewed through an airport X-ray machine, I cannot imagine more suspicious looking carry-on luggage than that backpack. I also planned to be at the airport at least two hours early for flights to allow for security problems. I planned similar long lay-overs at way-points for luggage security or customs problems.

Counting both trips from my home in Oklahoma, the carry-on backpack went through the security X-ray machine an even dozen times in the US, Santiago, Chile and Easter Island. It made it through X-ray 10 out of 12 times with no questions asked, a fact that I find both shocking and frightening. The two times that the backpack was inspected were each also interesting: one inspection was a rather cursory physical search, with the security agent being easily satisfied with my explanation of the wire as a radio antenna and with an offer by me to turn on the portable radio to demonstrate it. During the second instance of carry-on inspection, the agent used a hand-held piece of equipment that was a black box with a long rigid tube attached; the security agent pushed the tube down into various pockets and crevices in the backpack, apparently using the device to "sniff" for explosive residue. That inspection was very quick and I passed, of course. I did also carry in the backpack a club bulletin and a commercial magazine with radio articles by me in them: aids to help me prove that I was a "radio enthusiast," if questioned in depth at security checkpoints. Those documents were never needed, but their presence was certainly reassuring.

My experiences with the checked baggage were considerably more thought-provoking. I encountered absolutely no Security problems during the trips between Oklahoma and Norfolk, VA on the Cape Hatteras trip, so I began to think that my concerns and planning in this area were way overblown. Not so. As was standard procedure, leaving for Easter Island, I arrived at Oklahoma City's Will Rogers World Airport with well over two hours to spare. I checked in, got my boarding pass and had to carry that darn backpack the full length of the airport to the most remote departure gate. I had just collapsed into a comfortable seat at my gate when the all-gates paging system squawked "Will American Airlines passenger Mr. John Bryant please report to the nearest American Airlines Agent." Frankly, that sounded kinda scary; it got worse! I reported to the gate agent and was told that I needed to return the full length of the airport to the Baggage Claim area because the security people "could not unlock your checked luggage to inspect it." I told the agent in no uncertain terms that my luggage was NOT locked and there had to be a mistake... they then informed me that they couldn't solve the problem at the gate and I would need to make the half-mile hike, with my backpack, to Baggage Claim "if you want to travel with us today, sir." So....

When I got to the Information Desk at Baggage Claim, I was confronted by an armed female Oklahoma City police officer who stayed at least 6 feet from me and maintained her hand on her holstered pistol, as she dealt with me. I haven't felt that threatened, personally, since my government-paid trip to Viet Nam in the late 1960s. She informed me that both Federal and Oklahoma City security agents had serious concerns about some of the contents of my luggage and that I'd need to "accompany" her to be interviewed by these agents. She would not walk with or ahead of me, but maintained the 6-foot space behind me and directed me, in a very loud voice, "Down that hall, sir!" "Through that door, sir!" "Walk to the left, sir!" I was later discouraged from describing the security apparatus that I viewed in the baggage-handling bowels of the airport on this little journey with the lady cop, but it was very impressive. Eventually, the lady policeman, her pistol and I all made it to a

table where they had my most equipment-laden suitcase opened out and were examining it like they were doing an autopsy on a particularly interesting but disgusting corpse.

I got interviewed by Oklahoma City police officers and by David W. Culver, Assistant Federal Security Director-Law Enforcement, who was not easily satisfied. It turned out that what had concerned them, what had tripped the alarm, was the PVC pipe enclosure on a Ramsey Active Ferrite Bar receiving antenna that I'd only brought along to use in the heavily noise-ridden environment of my downtown hotel room in Santiago. Mr. Culver told me that the L-shaped piece of 1.5 inch PVC pipe "looked just like a pipe bomb." I told him that I thought that was kind of odd, since all of the pipe bombs that I'd ever seen in articles were from iron or steel pipe to produce shrapnel during the explosion. He didn't want to discuss that further, but informed me that ANYTIME that I carry any PVC product, I need to treat it just "like you do when you check in luggage containing a loaded pistol." That finally made me mad. I told him that I was very conscious of security matters and that I had NEVER seen an advisory cautioning against PVC and that I had no idea how to check luggage containing a loaded pistol; I hadn't owned one since I'd laid down my trusty six-shooter, when I turned 9-years old. He explained that, carrying PVC, one should check your luggage at the airline counter and tell them of the PVC. They would then inspect the luggage at the counter and determine whether you could proceed... if so, they specially mark your bag. Well, after another 15 minutes of discussion, we all parted friends and they rushed me through more of the bowels of the airport, even taking me on a short-cut across the tarmac, and both I and my suspect bag did make the flight. They were appreciative of a large-scale typed note that I'd left atop the stuff in each bag, written to the security agents, thanking them for inspecting the bag, explaining that I was a radio hobbyist and volunteering to explain or demonstrate any of the equipment, if they had security concern. They were also very appreciative of the fact that I had checked in for my flight over two hours early. So was I, since I was just flying to Dallas to then catch a ten-hour overnight flight to Santiago.

Thinking things over later, I think that there is a good chance that Agent Culver wasn't telling me the exact truth. I'll bet you that the PVC pipe, which was almost brand new, was out-gassing and that their sniffer-sensors can't distinguish between PVC pipe and some forms of plastic explosives, hence the very-understandable red flag. At least, that explanation makes more sense to me. In any case, I will NEVER knowingly carry PVC in my luggage, again. As a matter of fact, I disassembled that Ramsey antenna while I was on Easter Island and left the PVC pipe behind.

So, after this experience, here are my current working rules for airline-based DXpeditions:

1. Be at the airport and through the Security checkpoint at least two hours before flight time. The radio items in your luggage may well trip some sensor and the resulting close inspection/explanations with the Security personnel can be time consuming.
2. Having a note to Security in each checked bag about the contents seems like a smart thing to do. It helped in my case.
3. Beside having plenty of photo-ID, having a club bulletin or radio magazine that contains identifying material in it that shows you, personally to be a bona fide radio enthusiast is quite helpful.
4. Don't try to take PVC through any Security checkpoint. If you absolutely must do so, have the airline inspect that bag at the airline counter.
5. Getting mad or feeling unfairly singled out does NOT help. Keeping your cool, thanking them for doing their jobs and being sympathetic to the difficult choices that your gear might force on them also seems to work very well.

## SPECIAL FEATURE

### Final 'By Country' Log, DXpedition to EASTER ISLAND

March 16 to 25, 2007

John H. Bryant

Receiver: Eton E1-XM

Antennas: 500' Underminated Beverage on Ground, East to West

500' Underminated Beverage on Ground, South to North

Recently, aspects of my life aligned so that I was able to fulfill a lifelong dream and visit fabled Easter Island in the southeastern Pacific. Although my primary purpose was to visit the myriad of archeological sites, view the hundreds of giant stone heads and get to know the inhabitants of this "most isolated community in the world," I could not possibly visit such an exotic location without testing its potential as a location for very long-range MW DXing. Since the nearest concentrations of MW broadcasters were on the west coast of South America, 2300 miles to the east and in New Zealand, 4300 miles to the southwest, there was every likelihood that Easter Island might be a prime DX location.

Easter Island is a triangular volcanic island measuring about ten miles on a side. The 3300 inhabitants are concentrated in a single village, Hangaoroa, on the southwest corner of the island, also the only location of an AC power grid. Since I knew that I would be 12 volt DXing from, at best, a rental car, and since I was quite concerned about luggage weight and security screening, my DXing

equipment choices were both critical and limited. After a good deal of thought, I chose the marvelous Eton E1-XM as my primary receiver and the small Kaito KA1103 as back-up; the Eton E1-XM had recently supplanted my long cherished Sony 2010 as my favorite DXing portable. I was not disappointed in either receiver! In my many years of seaside DXing, I've never found an antenna that performed as well as a Beverage, so I selected two 500-foot wires as my antennas; weight and bulk concerns led me to adopt the Beverage-On-the-Ground (BOG) configuration and a very light 28-gage, Teflon-coated wire. I was concerned about the BOG configuration and using such tiny wire; again, I was not disappointed. My favorite full-size headphones, a magnificent new Edirol R-09 digital audio recorder and my trusty WRTM rounded-out the DX package.

The distances involved in Pacific-based DXing are enormous. With the 2,400 mile width of the USA in mind, the distances from Easter Island to anywhere are simply staggering: it is 2300 miles to Chile, 4300 miles to New Zealand and 5300 miles to the nearest edge of Australia; most of the USA, including the Hawaiian Islands lays at about the distance of eastern Australia, 5300 miles. Beyond those "close-in" locations, distances get truly planetary: Western Europe and Japan are about 8500 miles away, while coastal China lays out at 9500; to go beyond that at MW frequencies is simply unthinkable. As I planned the DXpedition, I anticipated hearing quite a few coastal South American stations from my Easter Island QTH; I also expected to hear a decent number of New Zealand broadcasters, mixing with a few of the stronger Australians. I also eagerly anticipated hearing a number of stations from the island nations of the Pacific. Since friend and well-known South American DXer Rocco Cotroneo had recently heard several of the largest Japanese MW stations from the Chilean coast, I, too, hoped to hear the biggest of the NHK stations, from twice as far away as from my favorite haunts at Grayland, WA, USA.

I planned my two-week stay on the Island to include four all-night DX sessions on the local Friday and Saturday nights, with one three-hour, early evening introductory session ahead of the first weekend and two similar sunset DX sessions during the intervening week. That schedule proved very workable and was followed closely. My DX shack turned out to be a small Japanese SUV, ruggedized and adapted to the rut and rock-strewn gullies that are laughably called "main roads" outside of Hangaoroa village. My location on the island, except for the first familiarization session was near the Te Peu archeological site on the upper portion of the northwest shore. This was as far north of Hangaoroa, about 6 miles, as the "road" ran; since none of the more popular archeological sites were nearby and the road was so poor, the site was about as isolated, both electrically and physically, as possible. The spot that I chose was on a plateau atop a 200 foot northwest-facing cliff, looking out across the broad Pacific into quite magnificent sunsets. I ran one antenna due west, unterminated, directly to the cliff, 480 feet away. That antenna was used, directly, for all Pacific DX and "over the shoulder" for South America. The second BOG ran due north, pointing at Central and North America.

The DX during my first familiarization evening session was about what I expected: I started at 0039 UTC, almost an hour before local sunset and I found the MW dial covered with either carriers or audio from South America. The only surprise that evening was from how far north many of the signals were coming: my first logged station was Radio Programmas del Peru-730 kHz., Lima that as just booming in. That logging was closely followed by Radio Sanfrancisco-850 kHz. Guayaquil, Ecuador, practically off the side of my E-W beverage and booming in, as well. The rest of that evening followed suit. By sunset, there was what seemed to be South American audio on almost every channel from 540 to 1700 kHz. I logged a number of Argentine stations, especially above 1600 kHz., and what seemed to be every station on the air in either Lima or Guayaquil.

Since there was already DX on the band when I turned on an hour before sunset, I decided to begin all other sessions at 0000 UTC, fully 90 minutes before sundown. So, I had antennas out and my set-up primed to go at 0000UTC on Saturday, March 17. When I flipped the switch, I began the most surprising and thrilling DX session of my 53-year DX career. Fourteen non-stop hours later, I realized that I'd found the mother of all DX locations. In one night, I logged all continents, 22 countries and 122 stations... all but a few were IDed by station ID or by parallels. I managed to log 15 IDed Kiwi and Aussie stations in 45 minutes. I wasn't trying for a speed record, but since I'm not going to report for QSLs, all I had to do was positively ID them. The conditions were absolutely fabulous: in that one night, I logged from Egypt clear around to India (YES!). I logged 70 stations from Australia and New Zealand combined. The best receptions of that first full night were hearing my only Brazilian, Radio Tupi, 1280 kHz., in Rio, my first from Europe/Mid.East/N.Africa, Algeria's ENRS1-531 kHz., and hearing 1566, AIR Nagpur for 20 minutes, including a full EE ID and the 5 minute EE news that followed. I had no idea that the whole world would be open to me *on medium wave*, from isolated Easter Island!

The remaining three all-night DX sessions followed very much the same pattern: Carriers from Europe, North Africa and the Middle East would appear about 90 minutes before local sunset, on the 9-kiloHertz spacing. There would also be a few "early bird" South American carriers or low audio about the same time. At 60 minutes before sunset, European, et al., signals audio would appear. Most of those signals would be only moderate level, but some of the Spanish and some of the Middle Eastern signals were startling in their strength. The really long-haul signals were pretty much done by the time the sun touched the horizon at 0130, but by then South Americans crowded the dial. By 0230, full dark, signals from eastern North America began to shoulder aside many of the South Americans. In the next two hours, the spotlight seemed to travel rather swiftly westward across the

United States, with Cleveland and Charlotte being followed by Chicago and St. Louis and then by Denver, Salt Lake City and Albuquerque. By 0500, the spotlight had swung to the US West Coast, with the large majority of the stations being heard from central and southern parts of the state. Indeed, there was at least some California presence until dawn on Easter Island. For reasons that I don't begin to understand, the strongest (like a local!) station from California was 1530, kHz., KFBK, Sacramento which far out shown the more southerly stations, high band or low.

By 0730 UTC, the New Zealand stations would begin to appear on the 9 kHz. channels, with the Aussies joining the mix by 0900 hours. Although a few Japanese appeared as early as 0830, they were most logged during the pre-local dawn 1200-1300 time span. One of the biggest surprises of the DXpedition was the absolute dominance of Chinese stations during the 30 minutes before and after the 1330 local sunrise on Easter Island. Chinese stations, LOTS of Chinese stations, traveled more than 9500 miles to populate the band during dawn enhancement! Things got so busy on the best Chinese dawn, March 24, that I was forced to choose between noting the presence of all of the Chinese signals on the band or taking the time to identify just a few and ignore the rest. Since the presence of so many extraordinarily long distance signals seemed more important than the exact identity of a few, for the first time in my life, I just IDed the language positively, noted "UNID CC station" and moved on. The loggings that follow reflect that unusual approach.

Each of the all-night sessions closed out with one extra-ordinary signal lasting long after the other signals faded out... and long after dawn. The first of these began with me innocently listening to 1566, HLAZ, the super-power Christian broadcaster from South Korea. It often lasts long after dawn at our Grayland site and it was doing quite well 40 minutes after dawn on March 17<sup>th</sup>. Soon, I noticed something beneath HLAZ; as this second signal built, it certainly sounded like Hindi and I remembered that AIR Nagpur on 1566 had been heard by Patrick Martin on the Oregon Coast and was one of our "Holy Grail" targets at Grayland. As you already know, that signal did prove to be AIR Nagpur, over 11,700 miles away.

The magical pre-sunset hour the following evening was highlighted by the first of several receptions of the U.S.-operated Radio Farda-1575 broadcasting to Iran from the United Arab Emirates, a distance of 11,400 miles. The reception was made even more memorable by the content of the pop music program: a Michael Jackson tune followed by some Rap music in Farsi. That must drive the Iranian authorities crazy; it sure does it for me! That second all-nighter was closed out with another extra-ordinary reception. Well after dawn (and time to try again for Nagpur on 1566) on my way up the dial, I noticed an unusual signal on 1413: it sounded (and was) Hindi and I was fascinated. Checking in the East Asia-Pacific section of WRTH, I could find no major station on 1413 that ought to be transmitting Hindi at that hour. The Hindi talk programming contained a few English words mixed in the conversation, not unusual in itself, and then there was one full interview in very British English. Wow! I kept listening, hoping for a station identification... and then I heard a website given out: it was something like "hindi.bbc.uk." A light bulb lit; 1413 is the MW frequency for the huge BBC Oman Relay Station! Sure enough, their schedule shows an hour of Hindi, beamed eastward to India (and directly at Easter Island) at the proper hour. Further listening on subsequent mornings proved beyond a doubt that I was hearing the Oman Relay Station, and well, from over 13,350 miles away. If you combine the reception of Radio Farda before sunset (11,400 miles) with the Oman reception of 13,350 miles, I was able to more than circle the globe in a single DX session, on medium wave. I never imagined that it would be possible and I feel extraordinarily privileged to have witnessed such.

I would especially like to express my appreciation to numerous senior members of the MW DX community who helped me in the planning of this DXpedition and in identifying many of the stations listed below. With their help, so freely given, this experience would have been ever so much less enjoyable and productive.

The final all-session count was 235 stations received in 40 countries, on all continents. However, as wonderful as the DX was, the scenery, the monuments, the archaeological sites almost without number and the extraordinarily friendly inhabitants of Easter Island were even more memorable. My visit to Easter Island was truly the most fun that I've ever had with my clothes on!



JHB\_w\_Eton\_E1\_XM\_Excel



DX\_Shack\_at\_Te\_Peu



JHB\_Calling\_the\_DX\_Gods



JHB\_DXing\_2

**EUROPE, MIDDLE EAST & NORTH AFRICA**

- 531 **ALGERIA** ENRS1, Ain El-Beida, Mar 17 0100 - Noted here several evenings before LSS.
- 567t **EIRE** RTE1, Tulamore, Mar 18 0157 - Poor level, EE pop and lounge songs, Female news reader after TOH fanfare. At least some of the words in EE. Tentative this was RTE 1 Tulamore, Eire.
- 585 **SPAIN** RNE1 Madrid, Mar 17 0105 - Heard each evening. 'Radio Nacional de Espana' //684 Sevilla.
- 612t **BOSNIA-HERZGOVINA** B-H Radio 1, Sarajevo, Mar 17 0103 - Tentative this at good level in a mid-European language.
- 621 **SPAIN** RNE1 Synchronos, Mar 22 0205 - Fair level. //684.
- 684 **SPAIN** RNE1, Sevilla, Mar 17 0101 - Heard nightly. Strongest Spanish station. //585 //855.
- 711p **SPAIN** COPE, Murcia, Mar 18 0103 - Presume this here with news and commentary in SS.
- 711p **MOROCCO** RTM, Laayoune, Mar 21 2231 - Traditional Arabic music and talk. Fair/good.
- 738 **SPAIN** RNE1 Barcelona, Mar 18 0104 - Fair level //585 & 684.
- 747 **SPAIN** RNE5 Synchronos, Cadiz & Canaries, Mar 17 0114 - Good level SS, presume this.
- 747 **NETHERLANDS** Radio 5, Flevoland, Mar 18 0125 - Noted here with Bob Dylan/Woodie Guthrie 'This Land' and into another 60s hit. Fair to poor. Announcer's language IDed by others as Dutch.
- 774p **EGYPT** ERTU M-East Prg., Abis, Mar 17 0120 - General AA program. Also on Mar 24.
- 783 **PORTUGAL** R. Nacional, Avanca, Mar 21 0038 - Seems a radio drama in Portuguese. Good level.
- 783p **SYRIA** ORTAS 1, Tartus, Mar 18 0125 - Traditional Arabic music and singing by Um Kalthoum, very famous Egyptian songstress. BSKSA is off and this programming very unlikely to come from Mauritania. EMWG shows Syria now as 24 hour.
- 855 **SPAIN** RNE1 Synchronos, Murcia, et al., Mar 17 0109 - Noted here, fair. //684.
- 864p **EGYPT** ERTU Koran Prg, Santah, Mar 17 0124 - Presume this with Koranic chanting.
- 945 **FRANCE** France Bleu, Toulouse, Mar 18 0212 - Noted here at fair level with FF lounge singing.
- 1413 **OMAN** BBC Relay, A'Seela, Mar 24 1407 - Mistaken at first for an Aussie station. Was a long discussion of Indian cricket, World Cup, Tean India, etc. After 1430, mentions of **bbc.hindi.com**, etc. AIR Nagpur-1566 was not in. Distance over the Pacific and Indian oceans 13,356 miles or 21,490 km. Good level for most of the reception. May have left air or shifted pattern at 1458. Sunrise was at 1325. Last audio heard at 1456 UTC.
- 1512 **SAUDI ARABIA** BSKSA Jeddah, Mar 22 0045 - Heard most evenings. Fair only.
- 1521 **SAUDI ARABIA** BSKSA, Duba, Mar 21 0055 - Heard each evening fair to good.

1575 **UNITED ARAB EMIRATES** Radio Farda, Al-Dhabbiya, Mar 21 0130 - Noted each evening of the DXpedition. Often running Farsi pops music. The most bizarre 'hits' were a Michael Jackson number and Farsi RAP!!! Never above a fair level.

#### EAST and SOUTH ASIA

##### CHINA

549p **CHINA** CNR5 Fujian, Mar 17 1347 - Heard most mornings, dominating the Aussies late.  
666p **CHINA** UNID CC, (Voice of Straits), Mar 24 1120 - Presumed this due to strength and prop.  
684 **CHINA** CNR6, Putian, FJ, Mar 17 1352 - Noted each AM //909. Excellent, post-dawn.  
765 **CHINA** CNR5, Fujian, Mar 17 1306 - Heard every AM, excellent at dawn //549.  
783p **CHINA** Voice of the Strait, Fujian, Mar 18 1202 - Presume this one heard each AM.  
873p **CHINA** Voice of Straits, Fuzhou, Mar 24 1125 - Presume this //666. Noted several AMs.  
909 **CHINA** CNR6, Guangzhou, Mar 17 1313 - Heard each dawn // weaker 927 CNR6 Fujian.  
927 **CHINA** CNR6, Fujian, Mar 17 1313 - //909 CNR6 Guangzhou.  
936 **CHINA** UNID CC probably Anhui, Mar 24 1325 - Probably Anhui Music noted here in passing.  
963 **CHINA** CRI Russian Service, Mar 24 1135 - ID 'Govorit Pekin'.  
981 **CHINA** CNR1, Synchronos, Mar 18 1350 - Fair level with echos.  
990p **CHINA** CNR (N) Shanghai, Mar 18 1328 - CC with some EE ads and scattered EE words.  
999 **CHINA** UNID CC, probably Liaoning Economic, Mar 24 1335 - Noted in passing.  
1035 **CHINA** CNR1 Synchronos, Mar 24 1330 - Fair to good level.  
1044 **CHINA** CNR FS. Korean, Yanji, Mar 17 1327 - Heard every morning at good level.  
1044 **CHINA** CNR JJ Service, Changzhou, Mar 24 1332 - Pumping a lot of wattage right at Easter Island.  
1062p **CHINA** Zuijiang JGD, Guangzhou, Mar 24 1334 - Presume this here in Cantonese.  
1071 **CHINA** UNID CC, probably Tianjin, Mar 24 1336 - Most likely Tianjin JGD.  
1089 **CHINA** CNR6 Fujian, Mar 17 1318 - Fem Sing //909. Fair level. Heard each AM.  
1116 **CHINA** CNR5, Shaowu, Mar 25 1314 - Presume this one, with QRM from 4BC. Noted in passing.  
1125p **CHINA** Hebei E., Shijiazhuang, Mar 24 1337 - Highly likely this the one with huge signal.  
1134 **CHINA** UNID CC probably CNR1, Mar 24 1215 - Noted in passing at good level.  
1170 **CHINA** UNID CCs, two mixing, Mar 24 1342 - Two mixing at fair to good level. All low power.  
1179 **CHINA** UNID CCs, two mixing, Mar 24 1345 Most likely Mainlanders, but Taiwan here, too.  
1206 **CHINA** CNR Korean Service, Mar 18 1232 - Excellent level!  
1278 **CHINA** UNID CC probably Heibeí, Mar 24 1240 - Noted in passing, most likely, Hebei (N).  
1305 **CHINA** UNID CC, Mar 24 1245 - Noted in passing. Probably CNR2.  
1323 **CHINA** UNID CC, Mar 24 1247 - Noted in passing.  
1332 **CHINA** UNID CC probably Fuzhou RGD, Mar 24 1250 - UNIDed noted here in passing.  
1377 **CHINA** CNR1, Zengzhou, Mar 17 1333 - Heard every AM.  
1377 **CHINA** UNID CC probably V of the Strait, Mar 24 1952 - Very likely Voice of the Strait, from Fujian Province. CNR1 noted beneath.  
1386 **CHINA** UNID CC probably CNR1, Mar 24 1350 - Standard CC noted in passing.  
1395 **CHINA** UNID CC probably Anhui 'Life', Mar 24 1358 - Standard CC noted in passing.  
1404 **CHINA** UNID CC probably Fujia EBS, Mar 17 1335 - Also heard on Mar 24.  
1422 **CHINA** UNID CC probably Shanghai JGD, Mar 24 1304 - Shanghai most likely of those listed.  
1485 **CHINA** UNID CC, Mar 24 1250 - UNID CC noted in passing.  
1593 **CHINA** CNR1. Changzhou, Mar 17 1228 - Heard each AM, sometimes well.  
1593 **CHINA** CRI Japanese Service, Heilongjiang, Mar 17 1345 - Excellent level. Heard also Mar 24.  
1602 **CHINA** UNID CC, Mar 17 1346 - Only Chinese listed on 1602 is Jiangsu 1. Most likely this, since that is a coastal province.

##### JAPAN

594 **JAPAN** JOAK, Tokyo, Mar 18 1017 - Heard throughout DXpedition.  
693 **JAPAN** JOAB, Tokyo, Mar 17 1058 - Heard also, Mar 18 at fair level both times.  
747 **JAPAN** JOIB, Sapporo, Mar 24 0816 - NHK2 programming. Fair //774.  
774 **JAPAN** JOUB, Akita, Mar 24 0816 - NHK2 programming at fair level //747.  
828 **JAPAN** JOBB, Osaka, Mar 18 1207 - Noted // 774 at good level.  
873 **JAPAN** JOGB, Kumamoto, Mar 18 1210 - Heard //828.  
891 **JAPAN** JOHK, Sendai, Mar 18 1212 - Noted at fair level //594.  
954 **JAPAN** JOKR, Tokyo., Mar 18 1218 - Fair only.  
1017 **JAPAN** JOLB, Fukuoka, Mar 18 1220 - Good //828.  
1134 **JAPAN** JOQR, Tokyo, Mar 18 1228 - JJ literary discussion. Fair only.  
1242 **JAPAN** JOLF, Tokyo, Mar 18 1235 - Heard poorly by language only in furball.  
1260 **JAPAN** JOIR, Sendai, Mar 24 1347 - Bubble gum programming. Probably All Night Nippon.  
1287 **JAPAN** JOHR, Sapporo, Mar 24 1242 - Noted with two young ladies chattering away.  
1314 **JAPAN** JOUF, Osaka, Mar 25 1340 - Bubble gum music/infotainment. Presume ANN program.

1413 **JAPAN** JOIF, Fukuoka, Mar 24 1401 - Pop music and JJ talk at fair level.  
1422 **JAPAN** JORF, Yokohama, Mar 17 0919 - Fair to good with phone-in show. Heard also on Mar 18.  
1440 **JAPAN** JOWF, Sapporo, Mar 24 1357 - Noted here with commercial string and net ID. Good level.  
1602 **JAPAN** NHK2 Synchronos, Mar 24 1257 - Noted in passing at fair strength.

##### OTHER EAST & SOUTH ASIAN STATIONS

657 **NORTH KOREA** Pyongyang BS, Kangnam, Mar 24 1403 - News in Korean, dominating 2YC.  
972 **SOUTH KOREA** HLCA, Dangjin, Mar 18 1115 - Heard also on Mar 25 at fair level.  
1170 **SOUTH KOREA** HLSR RK JJ Service, Gimje, Mar 18 1231 - Radio Korea FS in Japanese at good.  
1143 **TAIWAN** UNID CC, probably BEL3, Taiwan, Mar 24 1341 - Almost certainly, this was the 100 kW Taiwanese here. Heard only in passing.  
1170p **PHILIPPINES** IBB/VOA Relay, Poro, Mar 25 1335 - Presume this the one at excellent level. No ID, but rap music and general formatting of the music program leads to VOA in CC, presumed.  
1458p **PHILIPPINES** DWRF, FEBC, Iba, Mar 17 1541 - Christian talk in part SS, part probable Tagalog. Presume this.  
1494 **PHILIPPINES** DYAB, Cebu City, Mar 17 1340 - Noted at excellent level with phone-in program. Typical mixture of EE and Tagalog.  
1566 **SOUTH KOREA** HLAZ, Cheju Island, Mar 17 1340 - Noted here at fabulous level at dawn, with JJ programming. 'Nihon FEBC desu!' Heard every AM.  
1566 **INDIA** AIR Nagpur, Mar 18 1411 - First noted in Hindi talk by woman, mixing with 3NE and HLAZ. Dominant by 1420, ID in EE at 1430, 5 minutes of EE news at 1430. Very good at times.  
1575 **THAILAND** VOA Thailand, Mar 17 1142 - Noted each AM, sometimes at excellent level.

##### PACIFIC

##### AUSTRALIA

531 **AUSTRALIA** 4KZ, Innisfail, Mar 17 1146 - 60s Rock. 'This is 4KZ, Innisfail.' Fair level in mix.  
540 **AUSTRALIA** 4QL Longreach, Mar 18 1140 - In furball with R. Rhema. Fair only.  
549 **AUSTRALIA** 2CR, Orange, Mar 17 1235 - //738 2NR Grafton. C&W. Heard most AMs.  
576 **AUSTRALIA** 2RN, Sydney, Mar 17 0847 - Heard most AMs.  
585 **AUSTRALIA** 7RN, Hobart, Mar 24 1107 - Briefly at good level with ABC news and sports.  
594 **AUSTRALIA** 3WV, Horsham, Mar 17 1245 - Heard each AM. Excellent at dawn. //549 //738.  
612 **AUSTRALIA** 4QR, Brisbane, Mar 17 0804 - Saturday Night Footie, parallel everyone else. Excellent level. Heard most AMs.  
630 **AUSTRALIA** 4QN, Townsville, Mar 24 1112 - Presume this one, //612 sports coverage.  
648 **AUSTRALIA** 2NU, Tamworth, Mar 17 1054 - Footie wrap-up, //1548.  
657 **AUSTRALIA** 2BY Byrock, Mar 24 0810 - Pop music show //648 at fair level.  
684 **AUSTRALIA** 2KP, Kempsey, Mar 17 1057 - Footie wrap-up //1548. Heard most AMs.  
702 **AUSTRALIA** 2BL, Sydney, Mar 17 0907 - Heard every AM.  
729 **AUSTRALIA** 5RN, Adelaide, Mar 17 1254 - Initially, I was certain that this was AIR Guwahati in East Bengal. The programming was Sub-Continental flute music. Further, the programming continued right through the TOH with no break, time pips, etc. Since India is one of the few spots on the planet that has local time synched to the UTC half-hour, I 'knew it had to be' AIR Guwahati, which was just at transmitter sunset. What I forgot about was that South Australia is one of the other 'on the half-hour' spots on the planet. Sure enough, 5RN was running a world music show, featuring Sub-Continental Music! Heard also on Mar 18.  
738 **AUSTRALIA** 2NR Grafton, Mar 17 1058 - Footie wrap-up //1548. Heard also Mar 18.  
747 **AUSTRALIA** 4QS, Toowoomba, Mar 17 1059 - Footie wrap-up. Heard most AMs.  
774 **AUSTRALIA** 3LO, Melbourne, Mar 18 1050 - Heard most AMs. Excellent.  
792 **AUSTRALIA** 4RN Brisbane, Mar 18 1053 - Mixing with NZ's 4ZA. Heard also on Mar 25.  
828 **AUSTRALIA** 3GI, Sale, Mar 17 1102 - ABC News, //1548. Heard also Mar 24.  
837 **AUSTRALIA** 4RK, Rockhampton, Mar 17 0830 - Heard most AMs at good level.  
846 **AUSTRALIA** 2RN Canberra, Mar 17 1104 - Heard well most AMs.  
864 **AUSTRALIA** 4GR, Toowoomba, Mar 18 1057 - Heard mixing with NewsTalk ZB Invercargil.  
873 **AUSTRALIA** 2GB, Sydney, Mar 17 1306 - News at good level, despite QRM from two others.  
891 **AUSTRALIA** 4TAB, Townsville, Mar 17 1202 - Heard several AMs.  
927 **AUSTRALIA** 4CC, Gladstone, Mar 25 0830 - 'Grafton, 4-double-C' ID. Good level.  
1116 **AUSTRALIA** 4BC, Brisbane, Mar 17 1120 - 'The Nation's #1 NewsTalk, 4BC.' Fair at best. Heard poorly Mar 25. Given the prominence of this signal in NW of USA and its poor showing here, would suspect that it is directional to the north, whether intended or not.  
1224 **AUSTRALIA** 2RPH, Sydney, Mar 18 1440 - Discussion of Aussie forces in Iraq.  
1233 **AUSTRALIA** 2NC, Newcastle, Mar 17 1212 - //702 at good level. Heard also on Mar 18.  
1287p **AUSTRALIA** 2TM, Tamworth, Mar 17 1125 - Only Aussie on 1287. Also noted Mar 18.  
1431 **AUSTRALIA** 2RN Wollongong, Mar 18 1405 - Program on National Ballet of Australia. Fair.

- 1512 **AUSTRALIA** 2RN Newcastle, Mar 18 1405 - 'Radio National' Heard also on Mar 25.  
 1548 **AUSTRALIA** 4QD, Emerald, Mar 17 0758 - Saturday Night Footie //612, 837, etc. Excellent. Heard each AM of the DXpedition.  
 1566 **AUSTRALIA** 3NE Wangaratta, Mar 18 1410 - Heard with usual pops program, mixing with AIR Nagpur and HLAZ, FEBC.

#### NEW ZEALAND

- 531 **NEW ZEALAND** More FM, Alexandra, Mar 25 1340 - 'More Music, More... More Choice'.  
 567 **NEW ZEALAND** National Radio, Wellington, Mar 17 0753 - Huge signal each night.  
 594 **NEW ZEALAND** R. Rhema Synchrons, Timaru & Wanagnui, Mar 17 0850 - Heard most AMs.  
 612 **NEW ZEALAND** Radio Rhema, Christchurch, Mar 18 1022 - Noted //594, mixing with Aussie.  
 621 **NEW ZEALAND** R. Rhema Synchrons, Dunedin & Whangarei, Mar 17 1349 - Noted here with alcoholism-awareness program.  
 648 **NEW ZEALAND** R. Rhema, Gisbourne, Mar 17 0855 - Heard most AMs.  
 657 **NEW ZEALAND** Southern Star, Wellington, Mar 18 1030 - Heard also Mar 24. Excellent.  
 675 **NEW ZEALAND** National Radio, Christchurch, Mar 18 1035 - Fair, with political discussions.  
 693 **NEW ZEALAND** Radio Sport, Dunedin, Mar 18 1038 - Sports discussion, NZ websites.  
 711 **NEW ZEALAND** 2XP Trackside/R. Pacific, Wellington, Mar 18 1325 - Fair in furball.  
 720 **NEW ZEALAND** National Radio, Invercargill, Mar 18 1325 - Good at times. Furball.  
 738 **NEW ZEALAND** Radio Live, Christchurch, Mar 18 1330 - NZ ads & TC. Talk format. Fair.  
 783 **NEW ZEALAND** Samoan Capitol Radio, Wellington, Mar 17 0720 - This or Access Radio noted every night of the DXpedition, sometimes at excellent level.  
 792 **NEW ZEALAND** Radio Sport, Hamilton, Mar 18 1053 - Heard mixing with 4RN, Brisbane.  
 810 **NEW ZEALAND** National Radio, Dunedin, Mar 18 1340 - //819 Maori singing and discussion.  
 819 **NEW ZEALAND** National Radio, Tauranga, Mar 18 1340 - //819 Maori singing and discussion.  
 837 **NEW ZEALAND** National Radio Synchrons, Mar 24 0822 - Classical music //918, mixing w/4RK.  
 864 **NEW ZEALAND** 4ZA, NewsTalk ZB, Invercargil, Mar 18 1057 - Heard mixing with 4GR in OZ. Only two DUs on frequency.  
 882 **NEW ZEALAND** Southern Star, Auckland, Mar 18 1348 - quiet music //900 SS Dunedin.  
 900 **NEW ZEALAND** 4YC, Southern Star, Dunedin, Mar 17 1307 - 'Southern Star' by male announcer.  
 918 **NEW ZEALAND** National Radio Synchrons, Mar 17 0820 - Heard most AMs //567.  
 945 **NEW ZEALAND** NewsTalk ZB, Gisbourne, Mar 17 0721 - Heard each AM, sometimes quite well.  
 972p **NEW ZEALAND** Radio Rhema, Wellington, Mar 18 1106 - Presume this with Christian talk by male. HLCA beginning to dominate.  
 1026 **NEW ZEALAND** NewsTalk ZB Synchrons, Mar 18 1222 - //135 Wellington at fair level.  
 1035 **NEW ZEALAND** NewsTalk ZB, Wellington, Mar 17 0735 - //945. Heard Also on Mar 25.  
 1044 **NEW ZEALAND** NewsTalk ZB, Dunedin, Mar 17 0738 - //945. Heard also on Mar 25.  
 1080 **NEW ZEALAND** NewsTalk ZB, Auckland, Mar 17 1331 - Heard after fade-out of the stations in the Americas. Good.  
 1125 **NEW ZEALAND** Radio Sport, Napier-Hastings, Mar 17 0740 - Heard several AMs.  
 1152 **NEW ZEALAND** NewsTalk ZB, Timaru, Mar 17 0742 - //945, 1035, etc.  
 1215 **NEW ZEALAND** NewsTalk ZB, Kaihoke, Mar 18 1120 - //1035, etc.  
 1278 **NEW ZEALAND** NewsTalk ZB, Napier-Hastings, Mar 17 0740 - //945, 1035, etc.  
 1296 **NEW ZEALAND** NewsTalk ZB, Hamilton, Mar 17 0750 - //945, 1035, etc. Heard several AMs.  
 1314 **NEW ZEALAND** National Radio, Gisbourne, Mar 17 0753 - //567 at good level.  
 1386p **NEW ZEALAND** R. Tarana, Auckland, Mar 17 1135 - Usual Hindi programming. Good.  
 1485p **NEW ZEALAND** R. Trackside, Gisbourne, Mar 17 1136 - Call of horse race at good level.  
 1494 **NEW ZEALAND** Southern Star, Hamilton, Mar 17 0755 - EZL Christian music.

#### OTHER PACIFIC STATIONS

- 558 **FIJI** Radio Fiji 1, Suva, Mar 17 0757 - Island mx until TOH, then presumed ID in Fijian and then into news. Excellent level. Heard several AMs.  
 720 **HAWAII** KUAI, Ele'ele, Mar 18 1156 - Heard well for only Hawaiian of DXpedition.  
 738 **TAHITI** RFO/R. Tahiti, Mahina, Mar 17 0715 - Noted with only fair signal with Polynesian pops.  
 1017t **TONGA** A3Z, R. Tonga, Mar 17 0731 - Poor level with definite Polynesian talk.

#### NORTH AMERICA

##### USA

- 570 **USA** WTBN, Pinellas Park, FL, Mar 25 0200 - Heard double ID for WTBN 570 and WTWD-910, Plant City and the Radio Reloj CW 'R'.  
 570 **USA** KLAC, Los Angeles, CA, Mar 22 0240 - Multiple ads and station promos.  
 640 **USA** KFI, Los Angeles, Mar 17 1157 - 'Southern California's KFI.' Heard also Mar 25.  
 660 **USA** WFAN, New York, NY, Mar 25 0248 - Mentions of '**WFAN.com**' and local commercial string.

- 670 **USA** WSCR, Chicago, Mar 24 0140 - Chicago Blackhawks Hockey at good level.  
 680 **USA** WPTF, Raleigh, NC, Mar 24 1429 - Neil Bortz Show. 'WPTF, Raleigh'.  
 700 **USA** KALL, N. Salt Lake City, UT, Mar 24 1205 - 'Sports 700, The Dome'.  
 720 **USA** WGN, Chicago, Mar 17 0445 - Local news and weather. 'News/Talk 720, WGN!'  
 740 **USA** KTRH, Houston, TX, Mar 18 0230 - 'News Radio 740, KTRH.' Heard most early evenings.  
 740 **USA** KCBS, San Francisco, CA, Mar 17 0925 - 'All News, KCBS' Heard most AMs.  
 770 **USA** KKOB, Albuquerque, NM, Mar 17 1020 - 'The Talk Monster, KKOB, Albuquerque!'  
 780 **USA** WBBM, Chicago, Mar 24 0154 - 'WBBM News Time is 8:54'.  
 810 **USA** KGO, San Francisco, CA, Mar 17 0930 - Heard every AM.  
 830 **USA** WCCO, Minneapolis, MN, Mar 25 0252 - Poor but positive, with forrest promo, etc.  
 850 **USA** KOA, Denver, Mar 17 0256 - Usual Talk format. Heard nightly and well.  
 880 **USA** KRNV, Lexington, NE, Mar 17 0259 - Heard most evenings. Good level.  
 1000 **USA** KOMO, Seattle, WA, Mar 17 0911 - 'KOMO 1000 News.' Heard most AMs.  
 1020 **USA** KCKN, Roswell, NM, Mar 17 1205 - 'Kickin' Country, KCKN.' Heard also Mar 22, 25.  
 1040 **USA** WHO, Des Moines, IA, Mar 18 0320 - 'News Radio 1040, WHO' Heard every AM.  
 1070 **USA** KNX, Los Angeles, CA, Mar 17 0916 - 'KNX Traffic and Weather.' Heard most AMs.  
 1100 **USA** WTAM, Cleveland, OH, Mar 25 0150 - Mention of '**WTAM.com**.' and Cleveland. Good.  
 1110 **USA** WBT, Charlotte, NC, Mar 24 0202 - 'WBT News' after TOH. Good briefly.  
 1140 **USA** KHTK, Sacramento, Mar 17 0535 - 'Sports Radio 1140, KHTK'.  
 1120 **USA** KMOX, St. Louis, MO, Mar 18 0327 - 'NewsTalk 1120, KMOX' Excellent level.  
 1130 **USA** WBBR, New York, Mar 24 0205 - Manhattan traffic reports and weather.  
 1160 **USA** KSL, Salt Lake City, UT, Mar 18 0328 - 'KSL Radio' Heard throughout the DXpedition.  
 1180 **USA** Radio Marti, Marathon, FL, Mar 18 0331 - 'Radio Marti', Miami.' Heard often.  
 1200 **USA** WOAI, San Antonio, TX, Mar 17 0458 - 'News Radio WOAI' Talk show format, good level.  
 1520 **USA** KVTA, Oxnard, CA, Mar 24 0856 - Coast-to-Coast program, then station ID. Good.  
 1530 **USA** KFBK, Sacramento, CA, Mar 17 0700 - 'NewsTalk 1530, KFBK.' Heard every night at truly local levels.  
 1540 **USA** KMPC, Los Angeles, CA, Mar 17 0705 - Also noted at good level on Mar 24.  
 1560 **USA** KNZR, Bakersfield, CA, Mar 24 0900 - Local commercials 'only on 1560, KNZR.'  
 1590 **USA** KKZZ, Santa Barbara, CA, Mar 24 0905 - '1590, The Connection, KKZZ, Santa Barbara'.  
 1650 **USA** WCNZ, Cedar Falls, IA, Mar 25 0210 - Presume this with a local Waterloo hockey game.  
 1700 **USA** KVNS, Brownsville, TX, Mar 17 0450 - Heard well with EZL SS pops show and many ads in EE for businesses throughout the Valley. Heard very well each evening.

#### CENTRAL AMERICA

- 530 **TURKS & CAICOS** R. Vision Cristiana Intl., South Caicos, Mar 22 0057 - Full ID for all three stations in EE. Heard well most evenings.  
 555p **ST. KITTS** ZIZ Radio, St. Kitts, Mar 18 0130 - Het here and threshold audio heard nightly, just at sunset. Presume this.  
 570 **CUBA** CMDC, R. Reloj, Santa Clara, Mar 25 0200 - Heard the CW 'R' clearly on the WTBN station ID and once or twice previously.  
 690 **MEXICO** XE???, Tijuana, Mar 17 0232 - This Mexican station dominated 690 early each evening, and often through the night. At least part of the time, it was IDing as part of the Cadena W network of XEW, Mexico City.  
 800 **NETHERLANDS ANTILLES** TWR, Bonaire, Mar 17 0240 - Heard well throughout the DXpedition, usually in SS with numerous SS IDs.  
 895p **NEVIS** Voice of Nevis, Nevis, Mar 17 0130 - Presume this heard every evening just after sundown with either a het or threshold audio.  
 1090 **MEXICO** XEPRS, Rosarito, Mar 17 0430 - 'Double-X Sports Radio' Dominant on this channel.  
 1220 **MEXICO** XEB, Mexico City, Mar 17 0626 - 'La Grande B.' Good level. Heard also on Mar 18.  
 1410 **MEXICO** XECF, Los Moches, Mar 24 0850 - 'La Mexicana... Tropicaliente... Mas Grande catorce-diez de AM' Briefly quite good. May have actually been on 1413 kHz.  
 1570 **MEXICO** XERF, La Poderosa, Villa Acuna, Mar 17 0445 - This powerhouse heard each evening with great signal and usual music shows.  
 1620 **VIRGIN ISLANDS** WDHP, St. Croix, Mar 25 0205 - Noted here at good level with rebroadcast of NOAA sea-state and weather predictions.

#### SOUTH AMERICA

##### ARGENTINA

- 590 **ARGENTINA** LS4, R. Continental, Capitol Federal, Mar 17 0308 - Multiple IDs at good level following world and national news. Heard also, Mar 21 & 22.  
 594 **ARGENTINA** LS4, R. Continental, Capitol Federal, Mar 24 0800 - Assume that this was the main transmitter, off frequency. Very strong, full Cadena ID, spot on 594.00.  
 700 **ARGENTINA** LV3, R. Cordoba, Cordoba, Mar 16 0156 - Excellent level, Multiple very fast mentions of Cordoba and Argentina, but only one clear 'Radio Cordoba' ID.

- 870 **ARGENTINA** LRA-1, R. Nacional, Capitol Federal, Mar 17 0610 - Discussion of why LAM radio should not feature NAM and British pop music, mentions of Radio Nacional.
- 1610 **ARGENTINA** R. Guaviyu, Greg.de Laferrere (B.A.), Mar 17 0400 - Lots of commercials, multiple mentions of B.A., multiple IDs. Fair to good level.
- 1650.1p **ARGENTINA** R. Renancer, Quilmes Oeste, Mar 16 0125 - Presume this one, as only listing, at fair to good level with classical instrumental orchestra music. Great to hear such on AM.
- 1660p **ARGENTINA** Hosana AM, Ezeiza, Mar 16 0130 - Seemingly Christian pops, sometimes at good level. Only listing on this freq. Presumed only.
- 1663.1p **ARGENTINA** R. Bethel, Banfield, Mar 22 0153 - Has Bethel drifted this low???
- 1667.76p **ARGENTINA** R. Bethel, Banfield, Mar 16 0138 - Presume this one as is only 1670 listing and is reported to be drifting below assigned frequency. Pop music show with female host.

#### BRAZIL

- 1280 **BRAZIL** R. Tupi, Rio de Janeiro, Mar 17 0023 - Multiple IDs as 'Too-Pee' and 'Radio Too-Pee' in PP. Excellent level, 60 minutes before LSS. Also heard Mar 22.

#### CHILE

- 1380 **CHILE** CB138, R. Corporacion, Santiago, Mar 16 0107 - 'Radio Corporation' ID. Heard well throughout the DXpedition.
- 1569.9 **CHILE** CC157A, R. Familia de Maule, Talca, Mar 22 0230 - IDing as 'Radio Familia.' Fair.

#### ECUADOR

- 540 **ECUADOR** HCFA2, R. Tropicana, Guayaquil, Mar 22 0100 - Lotsa commercials 'La Voz del la Romanticos'.
- 850 **ECUADOR** HCGU13, Radio San Francisco, Guayaquil, Mar 16 0050 - Full ID at TOH as 'Radio San Francisco, Guayaquil.' Excellent level. Also rather shocked with this as second Easter Island logging. Excellent level, pre-sunsert and off the side of the antenna. Heard each evening.
- 880p **ECUADOR** HCRP1, R. Catolica Nacional, Quito, Mar 21 0210 - Presume this one with loooong discussion of families, marriage, children, sexual matters, etc. without end. Good level. Heard also Mar 22.
- 1120 **ECUADOR** HCFV2, Estacion Intercontinental, Guayaquil, Mar 18 0028 - Caught this 5 kW. daytimer with full formal sign off at 0030. Good level.

#### FALKLAND ISLANDS

- 530t **FALKLAND ISLANDS** FIRS, Port Stanley, Mar 21 0250 - BBC WS feed at good level. Tentative this, as seems to fit published schedule and there are few other alternatives.

#### PERU

- 540 **PERU** OBX4E, R. Inca del Peru, Lima, Mar 17 1417 - Huaynos music programming. 'Radio Inca'.
- 580 **PERU** OAX4M, R. Maria, Lima, Mar 17 1016 - This one noted with a big sig at SR at the Tx. Also noted on Mar 21, with multiple IDs.
- 660 **PERU** OCX4R, R. Inolvidable, Lima, Mar 16 0156 - 'La Inolvidable, tu mejor Recuerdo... 93.7 FM... 660 AM!' Heard most evenings.
- 700 **PERU** OBZ4H, R-700, La Grande, San Miguel, Apr 24 0300 - Noted with multiple La Grande slogans at TOH.
- 730 **PERU** OAX4G, R. Programas del Peru, Isidro, Mar 16 0045 - Very surprised this the first station logged at Easter Island, with the antenna pointing at least 45 degrees away. Excellent level 45 minutes pre sunset. Probably most heard station during DXpedition.
- 760 **PERU** OBZ4X, Radio Mar Plus, Chorillos, Mar 25 0230 - 'Radio Mar Plus... Tropicalente' Multiple IDs, Booming in!
- 820 **PERU** OAX4O, R. Libertad, Lima, Mar 22 0241 - Pop music with lotsa commercials and IDs.
- 880 **PERU** OBZ4N, Radio Union, Lima, Mar 25 0045 - 'Radio Union' with a talk show. Good level.
- 900 **PERU** OBX4X, R. Felicidad, Lima, Mar 17 0325 - Heard with music program and multiple IDs.
- 960 **PERU** OAX4D, R. Pan Americana, Lima, Mar 22 0102 - Musica romantica program with multiple 'Radio PanAmericana'.
- 990 **PERU** OBX4J, R. Latina/R. Victoria, Miraflores, Mar 22 0300 - Now part of 'Cadena Victoria' and IDing as Radio Victoria after a lengthy religious program.
- 1010 **PERU** R. Cielo, Lima, Mar 18 0235 - Renamed station, formerly Radio America. Heard often and well. 'Radio Cielo, La Voz del Nuevo Mundo.'
- 1400t **PERU** OBX4W, R. Callao Super, Lima, Mar 17 0035 - Brief fade-up with Lima clearly mentioned several times, but no ID. Tentative this.
- 1470p **PERU** OAU4B, CPN Radio, Lima, Mar 22 0040 - Mentions of Lima. Heard also on Mar 25.
- 1499.9 **PERU** OBX4I, R. Santa Rosa, Lima, Mar 16 0122 - What a mess on 1500 kHz! signals in audio on 1500.27 and this one on 1499.9, with some station actually on frequency, but weaker on 1500.00. The Eton E1 really shined. Logged a pop music show with a male host on this 1499.9 at good level. Full ID as 'Radio Santa Rosa, Lima' at 0125. The audio on 1500.27 was

fairly weak and I moved on to the expanded band, hunting Argentines. Radio Santa Rosa heard each evening.

#### FINAL COUNT FROM EASTER ISLAND

##### Europe, Middle East and North Africa:

21 stations in 13 countries: Spain (7), Egypt (2), Saudi Arabia (2), Algeria, Eire(p), Bosnia(p), Morocco, Netherlands, Portugal, Syria, France, Oman and UAE.

##### East and South Asia:

68 stations in 8 countries: China (40), Japan (18), Philippines (3), South Korea (3), North Korea, Taiwan(t), India and Thailand.

##### Pacific:

72 stations in 6 countries: New Zealand (36), Australia (32) Fiji, Hawaii, Tahiti and Tonga

##### North and Central America:

46 stations in 7 countries: USA (35), Mexico (5), St.Kitts & Nevis (2), Turks & Caicos, Cuba, Netherlands Antilles and the Virgin Islands

##### South America:

32 stations in 6 countries: Peru (15), Argentina (9), Ecuador (4), Brazil, Chile and the Falkland Islands

## GEOMAGNETIC INDICES

Compiled by: **Phil Bytheway**

E-mail: [phil\\_tekno@yahoo.com](mailto:phil_tekno@yahoo.com)

#### Geomagnetic Summary February 15 2007 through June 4 2007

Tabulated from email status daily.

Date	Flux	A	K	Space Wx					
2/15	73	18	3	minor	3/24	73	2	3	no storms
16	74	16	2	minor	25	73	10	2	minor
17	75	5	2	no storms	26	74	12	1	no storms
18	75	8	1	no storms	27	74	12	4	no storms
19	76	6	1	no storms	28	73	15	3	no storms
20	75	3	1	no storms	29	75	9	1	no storms
21	x	x	x	x	30	74	1	0	no storms
22	75	2	0	no storms	3/31	74	1	0	no storms
23	76	1	0	no storms	4/ 1	73	2	0	no storms
24	75	1	1	no storms	2	72	28	3	minor
25	75	2	0	minor	3	71	26	3	minor
26	77	4	2	no storms	4	71	22	3	no storms
27	75	4	0	no storms	5	71	13	1	no storms
2/28	75	10	3	no storms	6	71	10	0	no storms
3/ 1	76	20	3	minor	7	71	3	2	no storms
2	75	11	1	no storms	8	71	4	1	no storms
3	76	5	2	no storms	9	71	3	0	no storms
4	73	3	1	no storms	10	70	10	1	no storms
5	73	2	1	no storms	11	69	7	2	no storms
6	72	12	3	no storms	12	69	8	1	no storms
7	72	18	1	minor	13	68	9	1	no storms
8	73	20	3	no storms	14	68	9	1	no storms
9	73	6	1	no storms	15	68	1	1	no storms
10	72	2	1	no storms	16	69	5	1	no storms
11	71	4	1	no storms	17	69	5	1	no storms
12	71	6	2	no storms	18	69	0	3	no storms
13	71	6	2	no storms	19	69	8	2	no storms
14	71	20	2	minor	20	68	5	1	no storms
15	70	11	2	no storms	21	69	4	0	no storms
16	69	8	2	no storms	22	69	3	1	no storms
17	69	7	1	no storms	23	69	4	3	no storms
18	69	9	1	no storms	24	69	13	2	minor
19	71	4	1	no storms	25	73	5	2	no storms
20	70	1	0	no storms	26	77	5	1	no storms
21	73	1	0	no storms	27	81	8	3	no storms
22	73	0	2	no storms	28	83	13	3	no storms
3/23	73	2	1	no storms	4/29	85	29	3	minor

4/30	85	27	1	no storms	5/18	77	4	1	no storms
5/ 1	87	19	1	minor	19	76	18	3	no storms
2	86	9	1	no storms	20	75	10	2	no storms
3	87	2	0	no storms	21	74	8	2	no storms
4	83	4	2	no storms	22	74	6	1	no storms
5	x	x	x	x	23	73	5	3	no storms
6	81	3	1	no storms	24	72	10	3	moderate
7	78	2	1	no storms	25	70	37	3	moderate
8	76	18	3	no storms	26	70	23	3	no storms
9	73	17	2	no storms	27	68	16	3	no storms
10	72	7	1	no storms	28	68	17	2	no storms
11	71	3	2	no storms	29	67	14	0	no storms
12	72	3	1	no storms	30	69	3	2	no storms
13	71	2	0	no storms	5/31	70	4	2	no storms
14	74	2	1	no storms	6/ 1	71	4	1	no storms
15	74	4	2	no storms	2	75	4	2	minor
16	77	4	2	no storms	3	79	8	2	minor
5/17	77	5	3	no storms	6/ 4	83	6	1	moderate

## 2006-2007 IRCA Lucky 7 DX CONTEST

**Manager: Nancy Johnson – 265 Waterton Wy – Billings, MT 59102-7755**

E-mail: [NancyJohnson@prodigy.net](mailto:NancyJohnson@prodigy.net)

Standings as of May 15, 2007

1. Willis Monk	1979	9. Tim Noonan	301
2. Art Blair	1026	10. Darrell Neft	265
3. Michael Hawkins	864	11. Nancy Johnson*	262
4. Bill Nittler	447	12. John Tudenham	233
5. Greg Hall	439	13. Richard E. Wood	203
6. Phil Bytheway	356	14. Martin Foltz	91
7. Nigel Pimblett	356	15. Dale Park	55
8. Doug Pifer	317	16. John Johnson	10

\* Contest manager is not eligible to win.

The contest ends on May 31, so please send your final contest reports before June 5. Final standings will be compiled on June 15.

## TRADING POST

**Compiled by: Phil Bytheway**

E-mail: [phil\\_tekno@yahoo.com](mailto:phil_tekno@yahoo.com)

A good share of the stuff from my last message is already gone. I also forgot to include my e-mail address which is [wma001@comcast.net](mailto:wma001@comcast.net).

What remains is:

Steward Warner R-390A, modified (solid state power supply, ballast tube alternative – 12BH7A with jumpers ala Hollow State Newsletter #10, no antenna relay) - \$175

Replacement new-in-box 3TF7 regulator tubes (1 available) - \$15

Heath SB-620 Scanalyzer – set up for 455 kHz IF - \$50

Heath GC-125 Q-Multiplier (1 available) - \$20 each

Heath QF-1 Q-Multiplier (1 available) - \$10 each

Autek QF-1A Audio Filter - \$35

Marantz SuperScope C-104 cassette tape recorder/player (includes a free parts unit) - \$30

All items include user manual and instructions.

I will provide digital photos and answer any questions for any serious buyer via e-mail.

I will not ship item 1 but will arrange personal pickup or delivery (for the price of gas) within Washington state or Western Oregon; personal pickup anywhere else one might be willing to come from to get 'em. Will mail items 2 through 7.

**Reid Wheeler**, 360-786-0753, cell 360-481-1123.

# WOPP 1290

## SPORTS ON RADIO

**Compiled by: Bob Pietsch (aka The Rocklin Rocket)**

### 2007 ARENA FOOTBALL 2 FLAGSHIPS

(per [www.af2.com](http://www.af2.com))

Alabama Steeldogs 690-WSPZ-Birmingham AL  
 Albany Conquest 88.3-WVCR-Loudonville NY  
 Amarillo Dusters Unknown  
 Arkansas Twisters 103.7-KABZ-Little Rock AR  
 Bakersfield Blitz Unknown  
 Boise Burn 1140-KGEM-Boise ID  
 Bossier-Shreveport Battle Wings 1130-KWKH-Shreveport LA  
 Central Valley Coyotes 1430-KFIG-Fresno CA  
 Cincinnati Jungle Kats 1530-WCKY-Cincinnati OH  
 Corpus Christi Sharks Unknown  
 Everett Hawks Unknown  
 Florida Firecats Unknown  
 Fort Wayne Fusion 1250-WGL-Fort Wayne IN  
 Green Bay Blizzard Unknown  
 Laredo Lobos Unknown  
 Louisville Fire 1570-WWSZ-New Albany IN  
 Lubbock Renegades 1340-KKAM-Lubbock TX  
 Mahoning Valley Thunder 1240-WBBW-Youngstown OH  
 Manchester Wolves 1370-WFEA-Manchester NH  
 Oklahoma City Yard Dawgz 1000-KTOK-Oklahoma City OK  
 Quad City Steamrollers 1420-WOC-Davenport IA  
 Rio Grande Valley Dorados 104.9-KJAV-Alamo TX (a)/95.3-XHRT-Reynosa TAM (a)  
 South Georgia Wildcats 97.3-WRAK-Bainbridge GA  
 Spokane Shock 10.5-KZBD-Spokane WA  
 Stockton Lightning 1420-KSTN-Stockton CA  
 Tennessee Valley Vipers 730-WVNN-Athens AL (a)/92.5-WVNN-Trinity AL (a)  
 Texas Copperheads Unknown  
 Tri-City Fever Internet  
 Tulsa Talons 740-KRMG-Tulsa OK  
 Wilkes Barre-Scranton Pioneers 93.7-WSJR-Dallas PA

(a) Co-Flagships

### 2007 MLB NETWORKS - ATLANTA BRAVES

(per [atlanta.braves.mlb.com/atl/schedule/affiliates.jsp](http://atlanta.braves.mlb.com/atl/schedule/affiliates.jsp))

550-WDUN-Gainesville GA	970-WVOP-Vidalia GA
550-WAME-Statesville NC	970-WYSE-Canton NC
580-WGAC-Augusta GA	1000-WVWI-Charlotte Amalie VI
590-WCAB-Rutherfordton NC	1050-WWIC-Scottsboro AL
600-WCVP-Murphy NC	1050-WJSB-Crestview FL
610-WCEH-Hawkinsville GA	1050-WFSC-Franklin NC
620-WJDX-Jackson MS	1070-WAPI-Birmingham AL
630-WJDB-Thomasville AL	1090-WTSB-Selma NC
630-WNEG-Toccoa GA	1150-WSNW-Seneca SC
640-WGST-Atlanta GA (Flagship)	1230-WAUD-Auburn AL
680-WRGC-Sylva NC	1230-WBHP-Huntsville AL
690-WJOX-Birmingham AL	1230-WBLJ-Dalton GA
720-WVCC-Hogansville GA	1230-WNGM-Hiwassee GA
730-WOHS-Shelby NC	1230-WANO-Pineville KY
730-WLTQ-Charleston SC	1240-WBHB-Fitzgerald GA
730-WLIL-Lenoir City TN	1240-WGGA-Gainesville GA
790-WSFN-Brunswick GA	1240-WWNS-Statesboro GA
790-WBLO-Thomasville NC	1240-WPAX-Thomasville GA
800-WHOS-Decatur AL	1250-WSRA-Albany GA
800-WJAT-Swainsboro GA	1250-WHNY-McComb MS
800-WDSC-Dillon SC	1260-WBBK-Blakely GA
850-WRUF-Gainesville FL	1270-WGSV-Guntersville AL
900-WJTH-Calhoun GA	1270-WLIK-Newport TN
910-WJCW-Johnson City TN	1270-WQKR-Portland TN
910-WRNL-Richmond VA	1290-WTKS-Savannah GA
940-WMAC-Macon GA	1290-WVOW-Logan WV
950-WHSY-Hattiesburg MS	1300-WMTM-Moultrie GA
960-WRFC-Athens GA	1300-WIMO-Winder GA

1310-WHEP-Foley AL  
 1310-WISE-Asheville NC  
 1320-WHIE-Griffin GA  
 1320-WKIN-Kingsport TN  
 1320-WMSR-Manchester TN  
 1330-WLBB-Carrollton GA  
 1330-WMLT-Dublin GA  
 1340-WGAU-Athens GA  
 1340-WTIF-Tifton GA  
 1350-WGAD-Gadsden AL  
 1350-WFNS-Blackshear GA  
 1370-WLOP-Jesup GA  
 1370-WDEF-Chattanooga TN  
 1370-WDXE-Lawrenceburg TN  
 1390-WHMA-Anniston AL  
 1390-WISK-Americus GA  
 1400-WCOH-Newnan GA  
 1400-WCOS-Columbia SC  
 1400-WPFM-Darlington SC  
 1400-WSPG-Spartanburg SC  
 1400-WJZM-Clarksville TN  
 1410-WIQR-Prattville AL  
 1410-WEGO-Concord NC  
 1410-WPCC-Clinton SC  
 1410-WCMT-Martin TN  
 1420-WACT-Tuscaloosa AL  
 1420-WRCG-Columbus GA  
 1420-WPEH-Louisville GA  
 1430-WLTG-Panama City FL  
 1450-WCON-Cornelia GA  
 1450-WKEU-Griffin GA  
 1450-WMVG-Milledgeville GA  
 1450-WVLD-Valdosta GA  
 1450-WGNC-Gastonia NC  
 1450-WGNS-Murfreesboro TN  
 1450-WMVA-Martinsville VA  
 1460-WZNZ-Jacksonville FL  
 1460-WBCU-Union SC  
 1470-WRGA-Rome GA  
 1490-WKUN-Monroe GA  
 1490-WSNT-Sandersville GA  
 1490-WXBD-Biloxi MS  
 1490-WDUR-Durham NC  
 1490-WAZZ-Fayetteville NC  
 1490-WSTP-Salisbury NC  
 1500-WSEM-Donalsonville GA  
 1560-WPGY-Ellijay GA  
 1570-WCLE-Cleveland TN  
 1590-WRJS-Swainsboro GA

**2007 MLB NETWORKS - BOSTON RED SOX**

(per [www.weei.com/Article.asp?id=136812](http://www.weei.com/Article.asp?id=136812)) (per [www.wrolradio.com/home.htm](http://www.wrolradio.com/home.htm))  
 (per Art Blair with thanks)

550-WDEV-Waterbury VT  
 620-WZON-Bangor ME  
 680-WRKO-Boston MA (Co-Flagship)  
 830-WCRN-Worcester MA  
 850-WEEI-Boston MA (Co-Flagship)  
 900-WJJB-Brunswick ME  
 900-WGAM-Nashua NH  
 950-WROL-Boston MA (Spanish Flagship)  
 1010-WNTK-Newport NH  
 1080-WTIC-Hartford CT  
 1220-WQUN-Hamden CT  
 1230-WNAW-North Adams MA  
 1230-WMOU-Berlin NH  
 1230-WJOY-Burlington VT  
 1240-WSYY-Millinocket ME  
 1240-WHMJ-Greenfield MA  
 1240-WFTN-Franklin NH  
 1280-WFAU-Gardiner ME  
 1280-WEIM-Fitchburg MA  
 1290-WKBK-Keene NH  
 1300-WPNH-Plymouth NH  
 1320-WTSJ-Randolph VT

1590-WTGA-Thomaston GA  
 1590-WCSL-Cherryville NC  
 1600-WFIS-Fountain Inn SC  
 1630-WRDW-Augusta GA  
 92.1-WKUL-Cullman AL  
 92.1-WBTR-Carrollton GA  
 92.1-WSGC-Lavonia GA  
 92.1-WPEH-Louisville GA  
 93.1-WGAC-Warrenton GA  
 93.5-WLJA-Ellijay GA  
 93.7-WALI-Walterboro SC  
 93.9-WYTK-Rogersville AL  
 93.9-WQSI-Union Springs AL  
 93.9-WMGM-Moultrie GA  
 94.1-WGSS-Kingstree SC  
 94.3-WSCC-Goose Creek SC  
 95.1-WCDZ-Dresden TN  
 95.3-WRLD-Valley AL  
 95.3-WSRM-Coosa GA  
 95.9-WJDB-Thomasville AL  
 95.9-WTWX-Guntersville AL  
 95.9-WCVP-Robbinsville NC  
 96.1-WKLS-Atlanta GA (Flagship)  
 97.9-WDMG-Ambrose GA  
 98.1-WMGP-Hogansville GA  
 98.7-WISK-Americus GA  
 99.3-WCON-Cornelia GA  
 99.9-WSNT-Sandersville GA  
 101.1-WTGA-Thomaston GA  
 101.7-WYUM-Mount Vernon GA  
 101.9-WVOW-Logan WV  
 102.3-WKZR-Milledgeville GA  
 102.7-WCNG-Murphy NC  
 102.7-WPUB-Camden SC  
 103.9-WDOK-Greensboro GA  
 103.9-WRPG-Hawkinsville GA  
 104.1-WCLE-Calhoun TN  
 104.5-WYYU-Dalton GA  
 104.7-WAAZ-Crestview FL  
 104.9-WCCP-Clemson SC  
 105.5-WIFO-Jesup GA  
 105.5-WIFN-Macon GA  
 106.3-WKNU-Brewton AL  
 106.3-WGMK-Donalsonville GA  
 106.5-WZBX-Sylvania GA  
 107.3-WMCD-Claxton GA  
 107.5-WTIF-Omega GA

1350-WINY-Putnam CT  
 1370-WDEA-Ellsworth ME  
 1370-WBTN-Bennington VT  
 1380-WSYB-Rutland VT  
 1390-WEGP-Presque Isle ME  
 1400-WILI-Willimantic CT  
 1400-WHMP-Northampton MA  
 1400-WTSL-Hanover NH  
 1400-WLTL-Littleton NH  
 1420-WBSM-New Bedford MA  
 1420-WBEC-Pittsfield MA  
 1420-WASR-Wolfboro NH  
 1420-WRSA-St. Albans VT  
 1440-WJAE-Westbrook ME  
 1440-WVEI-Worcester MA  
 1450-WRKD-Rockland ME  
 1480-WSAR-Fall River MA  
 1480-WCFR-Springfield VT  
 1490-WGCH-Greenwich CT  
 1490-WMRC-Milford MA  
 1490-WKVT-Brattleboro VT  
 1490-WFAD-Middlebury VT

1490-WIKE-Newport VT  
 92.7-WQDY-Calais ME  
 92.7-WOXO-Norway ME  
 93.9-WLVB-Morrisville VT  
 95.1-WXTK-West Yarmouth MA  
 95.3-WALZ-Machias ME  
 95.5-WJJB-Topsham ME  
 96.1-WDVE-Warren VT  
 96.3-WLOB-Rumford ME  
 96.7-WCME-Boothbay ME  
 96.7-WQSO-Rochester NH

**2007 MLB NETWORKS - CHICAGO WHITE SOX**

(per [chicago.whitesox.mlb.com/cws/schedule/radio\\_affiliates.jsp](http://chicago.whitesox.mlb.com/cws/schedule/radio_affiliates.jsp))

670-WSCR-Chicago IL (Flagship)  
 880-WIJR-Highland IL  
 1060-WRHL-Rochelle IL  
 1150-KCPS-Burlington IA  
 1170-KJOC-Davenport IA  
 1200-WRTO-Chicago IL (Spanish Flagship)  
 1230-KZYM-Joplin MO  
 1240-WSDR-Sterling IL  
 1250-WSPL-Streator IL  
 1280-WBIG-Aurora IL  
 1360-WLBK-Dekalb IL  
 1430-WCMY-Ottawa IL  
 1440-WGEM-Quincy IL

97.5-WIGY-Madison ME  
 99.3-WKTJ-Farmington ME  
 99.7-WNTK-New London NH  
 100.1-WHOU-Houlton ME  
 100.7-WTBM-Mexico ME  
 103.1-WDME-Dover-Foxcroft ME  
 103.7-WEEI-Westerly RI  
 104.9-WBOQ-Gloucester MA  
 105.5-WVEI-Easthampton MA  
 107.7-WTPL-Hillsboro NH

1440-WROK-Rockford IL  
 1490-WKRO-Cairo IL  
 1490-WZOE-Princeton IL  
 1490-WDBQ-Dubuque IA  
 1580-WBCP-Urbana IL  
 1590-WAIK-Galesburg IL  
 1660-WQSN-Kalamazoo MI  
 93.9-WCEZ-Carthage IL  
 97.7-WLQI-Rensselaer IN  
 100.9-KTCN-Eureka Springs AR  
 107.7-WMRS-Monticello IN

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



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