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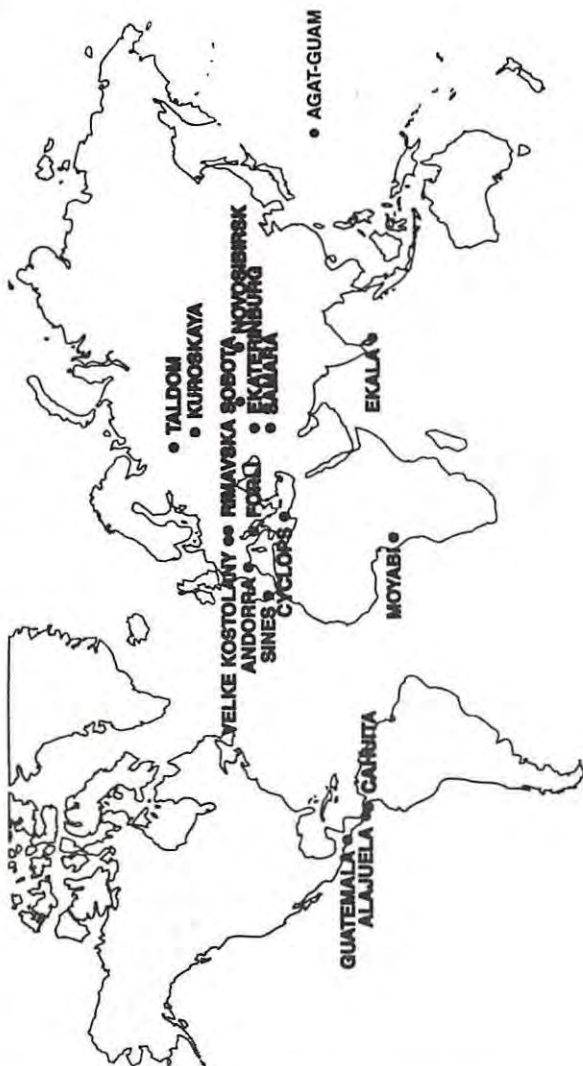
# the JOURNAL

## NORTH AMERICAN SHORTWAVE ASSOCIATION

VOLUME XXXVII NUMBER 10

OCTOBER 1997

### ADVENTIST WORLD RADIO Transmitter Sites – Past & Present



# Book Bonanza '97

Every fall Universal Radio features a special sale called the *Book Bonanza*. We work with major shortwave publishers to bring you exceptional savings on the best radio books. Universal is pleased to again offer you these once-a-year special values. These publications will make your radio hobby more interesting and more productive. This NASWA ad contains just some of the great values from this sale. If you have not received your *Book Bonanza* sales flyer in the mail by September 15<sup>th</sup>, give Universal a call and we will mail you one. **Sale prices are valid 09-01-97 to 11-30-97.**

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By J. Carr. This guide to high performance antennas is written in Joe's clear, easy to understand, friendly style. Arguably the best book devoted to receiving antennas for longwave through shortwave. An excellent book for the shortwave listener who likes to experiment with different antennas. ©1993 HighText. 189 p.

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## RADIOS BY HALLICRAFTERS

By C. Dachis. A marvellous book with over 1000 big, sharp photos of radio receivers, transmitters, speakers, early TV sets and accessories from the famous Hallicrafters label. Technical descriptions of every known model with dates, new & current prices. ©1996 Schiffer. 225 p.

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## PASSPORT TO WEB RADIO

By L. Magne. Here is a new way to hear the world... on your PC! Includes Introduction to Web Radio and Complete Idiot's Guide to Getting Started. Find the ultimate in sports coverage, along with every kind of music from hundreds of AM, FM and SW stations throughout the world. ©1997 IBS. 144 p.

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## ALL ABOUT HAM RADIO

By Harry Helms. Have you ever thought of getting a ham radio licence, but didn't know where to start? Here is an exciting new introduction to ham radio written in the '80's. It is written in direct, humorous way without a lot of math and techno-babble. Perfect for the potential ham without a technical background. ©1992. 291 p.

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By Larry Magne. A must have book for every worldband listener. Here is everything you need to know about when and where to hear the world; hour by hour, country by country and frequency by frequency. Also includes candid, hard hitting reviews on worldband radios including portables and table-top models. An expanded station address section is also featured. **Passports** the world's number one selling shortwave guide. An indispensable reference with over 500 pages!

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## THE CONFIDENTIAL FREQUENCY LIST

By Geoff Halligey. This long respected utility directory is bigger than ever with coverage of aero, CW, FAX, military, time, RTTY and maritime entries. Covers 1605-30000 kHz organized by frequency plus a new call sign cross reference. Spiral-bound 10th Edition. ©1997 PW Publ. 450 p.

Order #2234 ..... \$24.95 \$22.90

Previous, Ninth Edition at a great closeout price! ©1994 Giller. 386 p.

Order #3339 ..... \$22.95 \$19.90

## FM ATLAS AND STATION DIRECTORY

By Bruce Elving. This unique book covers FM broadcast stations in North America. Maps are included for each state (and Canadian province) showing station call and location. It also includes station listings by location and frequency. ©1997 Seventeenth Edition. FM Atlas. 224 p.

Order #2649 ..... \$16.95 \$14.90

Previous Sixteenth Edition at a great closeout price. 224 p. ©1995

Order #0983 ..... \$15.95 \$13.90

It is with regret that I pass along word that a legend in the medium wave and shortwave listening hobbies passed away. On September 20, 1997, New Zealand's **Arthur T. Cushen** died in Invercargill Hospital after a long battle with cancer. He was 77 years old. Arthur was probably one of the best known medium wave and shortwave DX'ers in the world. He will be missed. Shortly before passing on, Arthur wrote an article for the New Zealand Radio DX League detailing his memories of 60 years of listening. You can find this article later in this issue.

I'm not sure how I missed this but "**DX'ers Calling Inc.**," initially known as "DX Australia" when first founded in 1982, celebrated fifteen years of continuous operation in July. Congratulations to the staff, management, and membership of this fine Australian band of DX'ers. A sample and membership information can be obtained by writing the club at Secretary, DX'ers Calling Inc., P. O. Box 285, Mt. Waverley, Australia 3149. Be sure to enclose a couple of dollars or 3-4 International Reply coupons.

Also from Australia comes the following disappointing news from member **Bob Padula** about the Australian DX Federation mentioned in last month's NASWA Notes: "In a most extraordinary reversal, the South Pacific Union of DXers and the International Correspondence DX Group have now disassociated themselves entirely from the Federation, despite having given formal endorsement to the proposal, and having made a specific commitment to participate. The situation with the other clubs is: Southern Cross DX Club—unwilling to support the Federation; DXers' Calling—no response at all to many formal letters and E-mail messages; Newcastle Scanner and SWL Group—no

### ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave, medium wave and longwave listening, DX tips, and up to the minute hobby news. Contributors share their DX tips via their own amateur radio stations or by telephoning a "gateway" station who then broadcasts the relayed tips. Contributions are also accepted via the Internet Relay Chat (IRC) channel #swl while the net is in progress. Net Controls Dave Kirby N1DK, Hausie WB4JSP, and Bob Curtis W1EXZ host an always lively gang of DX monitors. (Best heard in the eastern half of NAm) Net info is also available at <[http://www.trsc.com/swl\\_net.htm](http://www.trsc.com/swl_net.htm)>.

response. Under such circumstances, the Federation appears to have been abandoned, which is greatly disturbing." So it appears that this latest attempt at resolving "differences" among Australian DX'ers has failed.

Closer to home, the Association of North American Radio Clubs is in the midst of its annual elections for three seats on the association's Executive Board. This year the terms of **Harold Cones**, **Skip Arey**, and **Mark Meece** (the current Chairman)—all three our club members—expire. After the election, ANARC's Executive Board will select a Chairman from among its ranks. We'll keep you posted on the outcome.

Thanks to ANARC, we learn that the **Canadian International DX Club** is celebrating its 35th anniversary this year. Congratulations to CIDX!

That's it for this month. Enjoy this month's edition of the JOURNAL; it's another good one.



Our Motto is - "Unity and Friendship"

## Calendar Of Events

**Oct 17 Meeting.** Philadelphia Area NASWA Chapter. Kulpville Holiday Inn, Kulpville, PA at 7:30 PM. For more information contact Dan Cashin at 215-446-7831.

**Oct 17 Meeting.** Boston Area NASWA Chapter. The Lexington Club, Rts. 4 & 225, Lexington, MA at 7:30 PM. The location is 1/4 mile west of Rt. 128, Exit 31. For more information contact Paul Graveline at 508-470-1971 or Internet: 74007.3434@compuserve.com. Check the BADX Web Page: <<http://www.grove.net/~badx/>>.

**Oct 18 Meeting.** The Miami Valley DX Club (all band orientation) meets at 1:00 PM. For more information plus this months meeting location contact Dave Hammer at 614-471-9973 or write to MVDXC, Box 292132, Columbus, OH 43229-8132.

**Oct'97 Contest.** 1997 Adventist World Radio Contest. Further information will be published in the Journal or you can send a self-addressed stamped envelope to 1997 AWR Contest, c/o Dr. Adrian Peterson, Box 29235, Indianapolis, IN 46229.

**Nov 9 Meeting.** The Tidewater SWL's meet at 6:30 PM. For more information plus meeting location contact Joe Buch at joseph.buch@dol.net

**Feb'98 Convention.** New Zealand Radio DX League will hold its 50th anniversary convention sometime in February 1998. Exact dates and venue have not been established. Information from NRZDXL, P.O. Box 2956, Wellington, New Zealand. Further details and information will appear when received.

**Mar'98 Contest.** 1998 North American DX Championships. Further information will be published in the Journal or you can send a self-addressed stamped envelope to 1998 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606.

**Mar'98 Convention.** The 11th Annual Winter SWL Festival will be held at the Kulpville Holiday Inn (Exit 31 on the Northeast Extension of the Pennsylvania Turnpike) on 13-15 March 1997. Organized by the infamous "gang of three" (Messrs. Brown, Cones, and Field) this all wave gathering attracts about 200 hobbyists each year.

**Apr'98 Convention.** The 35th Annual International World Wide Continental DX Association (IWWCDXA) will be held in Tahiti at the Charlie Loudenboomer Estate on April 1, 1998 from noon until midnight. Charlie will lecture continuously during this 12-hour period on a variety of boring subjects some of which may actually pertain to shortwave radio. Registration fee is a modest \$150.00 with an extra \$50.00 charge for the traditional hamburger helper banquet. More information is available from Charlie at <[cl@sucker.com](mailto:cl@sucker.com)>.

**Aug'98 Convention.** The 36th annual European DX Council conference will be held in Gothenburg, Sweden on 28-31 August 1998. It will be organized by the Swedish DX Federation. More details to follow.

Members are invited to submit items to be included in this calendar to Rich D'Angelo (Internet: [r.dangelo3@genie.com](mailto:r.dangelo3@genie.com)) or Ralph Brandi (Internet: [ralph@mcs.com](mailto:ralph@mcs.com)).

## Contribute!

Send your loggings and QSL information off to our Distributing Editor, Fred Kohlbrenner (2641 South Shields Street, Philadelphia, PA 19142). He will forward them to the appropriate editor. Remember, Fred has now expanded his business to include QSL report information and totals for the Scoreboard column. He can also be reached through the Internet at: [fkohl@ix.netcom.com](mailto:fkohl@ix.netcom.com).

## Musings

*This column provides a forum wheras members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are are solely those of the submitters. Please submit all Musings to Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610 or via email - r.dangelo3@genie.com*

**Gerald F. Kercher, Box 168, Quaker Hill, CT 06375**

I attended the 31st Conference of the European DX Council 6-9 June 1997 in the Czech Republic. The site was a comfortable resort hotel near the city of Zlin in Moravia. The rolling countryside is beautiful, not unlike parts of Vermont and New Hampshire except the farmland is better in Moravia. The host club was the Czechoslovak DX Club. When Czechoslovakia split into the Czech Republic and Slovakia back in 1993, the CSDXC chose to remain one club with members from both countries. I think this was commendable and in the true spirit of our hobby. About 75 people participated from 15 countries. The only other North Americans were Lewis Coulborn and Thais and Jeff White. Everything was very well organized. In addition to the usual seminars and broadcasters forum, there was a tour of film and TV studios and a transmitter site. The Saturday night dinner was followed by a night of wine and song at a traditional wine cellar. Next year the Conference is scheduled for 28-31 August in Gothenburg, Sweden. The Swedish DX Federation would do well to follow the example of excellence demonstrated by the CDXC this year.

**John Figliozzi <johnfig@earthlink.net>**

Thanks to Gary Otteson for his thoughtful comments on my suggestion (in July's Easy Listening column) that ANARC and NASWA begin to more actively represent the interests of listeners to our and other governments and broadcasters. Would like to see more discussion on this and this is just the place to do it. What' YOUR opinion???

And to Bob Fraser: Yes, there are plans for a revised Worldwide Shortwave Listening Guide book with Radio Shack. I think it's overdue, but Radio Shack doesn't appear ready yet, though it is committed to it. Let's just say that I'm learning a lot about dealing with a large company with its own way of doing things. Bottom line: It will happen, hopefully soon. I'll keep you posted. In the meantime, if you have Internet access, try the NASWA club site for continuously updated program listings: <<http://www.anarc.org/naswa/swlguide>>.

### **FRENDX: Twenty Five Years Ago....**

Charlie Loudenboomer recounts his recent trip to Russia and his discussion with Miss Evgenia Stepinover at Radio Moscow. Gerry Dexter, of all people, was cleaning out his shack. Among the offerings were WRTH tapes of identifications from around the world and Latin America. In the Shortwave Center, Ralph Perry interviews Jens Frost from the WRTH, Cesar Objio provides a comprehensive review of shortwave broadcasting in the Dominican Republic which included 21 station listings, and Gregg Calkin writes about his trip to Belize. In the QSL Report, Ernie Behr reports a verification from World Music Radio operating on 6,225 kHz with 60 watts. Larry Magne handled the lower half (below 9,500 kHz) and Dan Henderson handled the upper half of the Log Report.

Randy Stewart, 4225 W. La Casa, Springfield, MO 65802-5615  
<jrs555t@wpgate.smsu.edu>

Confession is supposed to be good for the soul, so here goes! I did something incredibly stupid back in June, but compounding matters was the radio station's response. In late June, after monitoring the Turkish broadcast by BSKSA at 0400 UT on 15060 with good signals, I proceeded to prepare & send a taped report...only I sent it to RADIO JORDAN!! (Don't even BOTHER asking why, because I don't know... total brain-synapse shutdown, I guess!). Only AFTER I mailed it did I realize what had happened (sanity returned, hi), and I was horrified. My only consolation was to hope that Jawad Zada or whoever actually reads reports at R. Jordan would just File-13 it ("...damn stupid American!"). Well, two days ago (8/27) I found an envelope in the mail from... Radio Jordan! Inside was an R.J. QSL card with Jawad Zada's name typed at the bottom, an illegible scribble signature, and station seal... CONFIRMING my reception on 6/26/97 on 15060 at 0358. The printed verie statement "the program details mentioned in your report have been checked and found correct" has a pretty hollow ring, doesn't it? How ironic that a station that at one time was so reluctant to QSL now turns out to be an 'automatic verifier.' A silly and frustrating episode in the life of a DXer. Oh, well... at least the next day I got a big package from VOIRI Iran with a QSL for a LEGITIMATE reception... which puts me at 99 countries verified and counting.

**NASWA**

Visit our club home page on the World Wide Web at <http://www.anarc.org/naswa/>

**FOR SALE:** Sony 2010 in mint condition with manual, carton, and accessories. Price \$195.00. Cathy Barrick, 711 Sandbank Road, Mt. Holly Springs, PA 17065. Phone (717) 486-3443.

**WANTED:** I'm looking for an NRD-515. Please state condition and price. Bob Montgomery, P.O. Box 1458, Levittown, PA 19058. Email <[rmonty3@aol.com](mailto:rmonty3@aol.com)>.

**FOR SALE:** RADEX DX magazine issues #106, 111, 112, 114, 115, 116, 120, 121, and 125 (Feb. 1937 to Jan. 1939). \$5.00 each or \$35.00 for the lot plus postage. I also have some QST's from the 1930's to 1960's for \$1.00 each plus postage. Andrew Yoder, P.O. Box 840, Mont Alto, PA 17237. Email <[ayoder@cvn.net](mailto:ayoder@cvn.net)>.

**FOR SALE:** Customized Beam Headings (from/to) and Distances (MI/KM) to more than 480 WRTH transmitter sites including Russian republics. ITU Country Codes included. Send your location or coordinates. Price \$8.00. Also for sale: 1996 NASWA Journals complete, \$16.00. 1996 "Passport to World Band Radio", \$10.00. WRTH '91, \$5.00; '96, \$10.00. All items include shipping (overseas shipping extra). Cashiers check or money order only, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Email <[ADrehman@juno.com](mailto:ADrehman@juno.com)>. Phone (704) 894-3398 (not collect).

**RADIO STUFF SALE:** Ten pages of books, magazines, bulletins, booklets, lists, bumper stickers, radio station items, etc. Send \$1.00 or a two-stamp SASE for the list. Gerry Dexter, 213 Forest Street, Lake Geneva, WI 53147.

# Easy Listening

John Figliozi  
45 Algonquin Road  
Clifton Park, NY 12065-7703  
America Online: JFigliozi  
Internet: johnfig@earthlink.net

Sorry, no time or space for chitchat!—  
Editor's orders! [Sorry...—Ed.]

## On BBC World Service This Month

Listings are for the Americas/Europe stream. Days and times are in UTC. Frequencies for North America at different times of the day include 5965, 5975, 6175, 6195, 9515, 9590, 9895, 11750, 11865, 15220 and 17840. In a few cases, programs can be heard via the Americas/Europe stream only on frequencies intended for Europe. These are denoted with an \* and these frequencies usually are listenable at times in parts of North America: 17640, 15575, 15485, 12095, 9410 and 7325. Times marked with an # means that the program also can be heard in western North America via the Asia stream on 9740.

### Drug Watch

Last month, World Service began a major new educational project consisting of nearly 200 programs in 21 different languages on the subject of drugs.

On Oct. 4 and 5, *Play of the Week* presents *Looking for Mr. Big*, a complex drama of plays within a play weaving fantasy and fiction in a bid to find out just who Mr. Big is—and who is to blame for the havoc which heroin reaps. (Sat. 2230; repeated Sun. 0530, 1830)

Beginning Oct. 26, *The Deal With Drugs* is an 8-part *Learning Zone* series targeted to 12 year olds and up that seeks to tell the truth about illegal drugs in a clear, objective and unemotional way. (Sun 2310; repeated Tue. 0915)

### Voices for Hospices Special

On October 18 at 7:30 pm local time

around the world, hospice supporters in 42 countries will give over 500 performances of the *Hallelujah Chorus* from Handel's *The Messiah*. These concerts will represent the largest relay singing event in history and dramatically demonstrate global support for the humane and dignified treatment that terminally ill people receive through hospices. On October 18 at 1930, World Service will present a live broadcast of a London performance of part of *The Messiah* by professional and amateur singers from around the world to commemorate the day.

On October 17 and 19, the regular weekly program *Music Review* will have special coverage of the event following some of the thousands of men and women in both the Eastern and Western hemispheres as they prepare for their local performances of the *Hallelujah Chorus*. (Fri. 0730; repeated Sun. 0230, 2130)

### On Other Topics...

Beginning October 5, *Shakespeare on Trial* re-examines the playwright's reputation from a global and contemporary point of view in a three week series. (Sun. 1630)

Premiering October 11 and 12, *Worldplay* is the first international festival of English language drama on radio. This five week series presents five plays made by drama producers from across the English-speaking world. This month, *A Lapse in Behavior* from Australia is a comedy about a fastidious piano teacher who comes in contact with an utterly tuneless and tasteless pupil. *Mourning Dove* is an original play for radio produced by the CBC exploring the issue of euthanasia. *City of Hands* from New Zealand is a study of human nature based on an unusual advertising promotion requiring contestants to keep their hands on a car with the

contestant doing so for the longest time receiving the car as prize. (Sat. 2230; repeated Sun. 0530, 1830)

Beginning *October 14 and 16* is a new nine program series of *Poems by Post*, a unique poetry request program permitting listeners to request a reading of their favorite poems. (Tue. 0145; repeated Thu. 0530 [until Oct. 23], 0915)

Commencing *October 18 and 20* is a three-part series entitled *Park Bench and Company* which highlights a selection of writings from *The New Yorker*, a magazine at the forefront of American humor between the 1920s and the 1960s. (Sat. 1901; repeated Mon. 0330)

Starting *October 25 and 27*, *Heritage* returns with a series of six new programs reporting on archaeological excavations, museums and the conservation of historic buildings around the world. Malcolm Billings visits Delhi, the site of the biggest overseas exhibition ever mounted by The British Museum; celebrates the 1500th anniversary of St. Augustine's Christian mission at Canterbury Cathedral; explores a little known section of medieval Cairo; views art treasures in Venice; meets enthusiasts of aviation archaeology; and joins the Syrian cultural tourism boom at the citadel at Homs. (Sat. 1030; repeated Mon. 0530, 2130)

Also premiering *October 24 and 26* is *Cross Questioned*, a new panel game that can be termed a crossword puzzle of the air. (Sat. 0130, repeated 0730 and Mon. 1830)

On *October 28*, *The Way to the West* previews the settings and characters of the World Service's new twice-weekly drama, *Westway*, that will start in November. (Tue. 0030; repeated 0815, 1515/Thu. 0815; repeated 1515, Fri. 0030)

Starting *October 31*, *Major Killers*, a new *Learning Zone* series, will present a practical guide to the world's six most fatal illnesses—heart disease, stroke, pneumonia, tuberculosis, diarrhea and malaria—and their treatments, cures and prevention. (Fri. 1230)

#### Some continuing series...

Commencing *October 5 and 8*, *Concert Hall* returns with an examination of the music, life and career of the Russian pianist, Sviatoslav Richter. (Sun. 1515; repeated Wed. 0815)

On *October 6 and 9*, the weekly *Omnibus* program presents *Searching for Che* in which Mike Ward investigates the image of the romantic revolutionary who died for his beliefs. (Mon. 0630; repeated 1030, Thu. 0130)

Beginning *October 6 and 10*, *Pick of the World* returns for a 13 week run with Nicola Barranger re-presenting her pick of a BBC program from the previous week. (Mon. 0130; repeated Fri. 0630)

Starting *October 25, 26 and 27*, is a new series of *Good Books* with a program examining the continued popularity of Jonathan Swift's *Gulliver's Travels*. (Sat. 1245; repeated Sun. 0815, Mon. 0030)

#### Series Continuing or Concluding This Month

*Home is Where the Hatred Is*, *Plants of Power*, *Pet Sematary*, *Dreams of Leaving: The Story of Human Migration*, *Chill Out*, *Revolution*, *Ends of the World*, *Paradox* and *Elvis Presley—The Legacy* continue from September. Consult September's EZL for details. *International Question Time* and *Pop the Question* conclude their respective runs from August. Consult August's EZL for details. *Brain of Britain* concludes from June. Consult June's EZL for details.

#### Radio Netherlands Documentaries

(Thu. 0054 on 6020/6165/9845 and 0454 on 6165/9590; Fri. 2354 on 6020/6165/9845.)

*2nd/3rd - 50th Anniversary Special: The Classics* delves into the extensive RN classical music library amassed over the last half-century.

9th/10th, 16th/17th, 23rd/24th - *You Are What You Eat* is a three-part co-production looking at aspects of national cuisine and the customs associated with serving and receiving food in Scotland, Ireland and The Netherlands.

The complete program line-up for RN is in July's EZL.

## China Radio International

### October Highlights

*Oct. 3's Song of the Week* learn the history and the words and melody of the patriotic song "Sing of the Country"...*Oct. 12's Cooking Show*, get the recipe for Stir Fried Potato...*Oct. 12's Music From China* presents several pieces of orchestral music that were inspired by classical poetry music...*Oct. 19's* edition of *Chinese Folktales* explains how a Mongolian herdsman can be moved to tears by the music of a horsehead fiddle...*Oct 24 and 31's Cultural Spectrum* will feature ten well-known ancient music works...*Oct. 27 and 29's Listeners' Letterbox* is about Dr. Norman Bethune, who is a household name in China for his work in helping the Chinese people during the war against Japan.

### CRI's Complete Program Schedule

(0000-0100 on 9710/11695; 0300-0400 on 9690/9710/11695; 0400-0500 on 9730; 0500-0600 on 9650; 1400-1500 and 1500-1600 on 7405) [Program times approximate.]

- :00 - *World News* (daily)
- :10 - *News about China* (daily)
- :15 - *Sun.-Asia Pacific News; Mon.-Sports Beat; Tue.-Sat.-Current Affairs* (news analysis)
- :20 - *Sun.-Travel Talk* (travelogue); *Mon.-Snapshots* (glimpses of things Chinese)
- :25 - *Sun.-Cooking Show* (culinary); *Mon.-In the Third World* (global economic development); *Tue.-Sat.-Press Clippings* (from Chinese periodicals)
- :30 - *Sun.-Scrapbook* (local events/places in China); *Tue.-Open Windows* (Chinese

business/economic policy); *Wed.-Orient Arena* (Asian sport); *Thu.-Profile* (of ordinary Chinese citizens); *Fri.-Focus*; *Sat.-Life in China* (Chinese lifestyles)

- :35 - *Mon.-Song of the Week* (stories behind a folk song)
- :40 - *Sun.-Music from China; Mon./Wed.-Listeners' Letterbox* (letters/questions); *Tue./Thu.-Learn to Speak Chinese* (language lesson); *Fri.-Cultural Spectrum* (cultural events/the arts/the past); *Sat.-Global Review* (Chinese perspectives on world events)

## The Voice of the Andes— HCJB

HCJB is a unique commodity in international shortwave broadcasting—a station true to its Christian missionary objectives devoid of the heavy-handedness found in many of its religious broadcasting counterparts. In addition, many of its feature programs affirm a belief in the importance of enjoying the here and now, as well as the hereafter. Add to this the fact that the station provides important coverage of Latin America not available in English from any other source and you have another reason why HCJB should be in your listening diary.

### Highlights

*The Least of These* (*Tue. at 0200 and 0500*) is a unique program that focuses on news reports from around the world, interviews with newsmakers and the stories of religious, private and governmental organizations that work each day to alleviate the needs of our planet's all-too-many poverty-stricken people.

October is letter month at HCJB! Anyone sending the station a letter either by post or e-mail will receive a full-color HCJB desk calendar. All that's required is that listeners mention their favorite programs when they write. And there's a special surprise in store for listeners who are writing their first ever letter to HCJB. Write to: *HCJB English Language Service; Casilla 17-17-691; Quito, Ecuador. The e-mail address is: <english@hcjb.org.ec>*.

HCJB's "Prime Time" Program Schedule (0000-0700 on 9745.) \*description given previously

**0000-Mon.**-Joni and Friends (inspiration); **Tue.-Sat.**-Insight for Living; **Sun.**-Adventures in Odyssey (children). **0005-Mon.**-Hour of Decision (Rev. Billy Graham). **0030-Mon.**-Mountain Meditations (inspirational songs/messages); **Tue.-Sat.**-Focus on the Family (Christian advice for family living); **Sun.**-Musical Mailbag (listener letters/inspirational music). **0056-Tue.-Sat.**-Beyond the Call. **0100-Daily**-Latin American and International News. **0110-Sun.**-DX Partyline (SWL info); **Mon.**-Saludos Amigos (international friendship program); **Tue.-Sat.**-Studio 9 (Latin American magazine/current affairs). **0130-Tue.**-You Should Know (a Christian view of world events/trends); **Wed.**-El Mundo Futuro (science/technology/computers); **Thu.**-Ham Radio Today; **Fri.**-Woman to Woman; **Sat.**-Musica del Ecuador (Andean folk music). **0200-Sun.**-Rock Solid (Christian rock music); **Mon./Fri.**-Radio Reading Room (Christian literature); **Tue.**-The Least of These (anti-poverty efforts); **Wed.**-Simply Worship; **Thu.**-The Book and the Spade (religion and archaeology); **Sat.**-On Line (computers). **0215-Thu.**-Inside HCJB (station news). **0230-Sun.**-Solstice (youth program); **Mon.**-L'Abri Lectures (theology); **Tue.**-Let My People Think; **Wed.**-Unshackled (drama); **Thu.**-Rock Solid!\*; **Fri.**-Inspirational Classics (religiously inspired classical music); **Sat.**-On Track (youth). **0300-Sun.**-Songtime Weekend (hymns); **Mon.**-The Sower; **Tue.**-Chords of Love (hymns); **Wed.**-Psychology for Living; **Thu.**-CBF Presents; **Fri.**-Words for Women; **Sat.**-Science, Scripture and Salvation (creation science). **0315-Tue.-Sat.**-Rendezvous (inspirational music). **0330-Sun.**-Sports Spectrum (Christian athletes); **Mon.**-Joy International; **Tue.**-Master Control (Christian lifestyle magazine); **Wed.**-Stories of Great Christians; **Thu.**-Living

Word; **Fri.**-Christians Broadcasting Hope; **Sat.**-Adventures in Odyssey\*. **0345-Tue.-Sat.**-Wonderful Words of Life.

**0400**-[same as 0100-0200 above]. **0500-Sun.**-Musical Mailbag\*; **Mon.**-Radio Reading Room\*; **Tue.-Sat.**-[same as 0200-0230 above]. **0530-Sun.**-Afterglow (inspirational music/messages); **Mon.**-The Sower; **Tue.-Sat.**-[same as 0230-0300 above]. **0600-Sun.**-Rock Solid!\*; **Mon.**-Mountain Meditations\*; **Tue.-Sat.**-Psychology for Living. **0615-Tue.-Sat.**-Stories of Great Christians. **0630-Sun.**-Solstice\*; **Mon.**-Musica del Ecuador\*; **Tue.-Sat.**-Nightsounds (inspirational music).

HCJB's daytime program schedule (1100-1600 on 12005/15115) will be in next month's EZL.

## In Brief...

*RCI's* schedule turned out to be a little different than that presented in last month's EZL. The 1300 news Mon. thru Fri. is now supplied by *RCI* and lasts five minutes. *This Morning, Tonight* starts at 1305. *Sound Advice* (critical reviews of classical music recordings) is presented Mon. from 2230 to 0000. *Tapestry* is now on Mon. from 0208 to 0300. *Madly Off in All Directions* is broadcast at 0205 Sun. and 1230 Mon.; *The Great Eastern* at 0230 Sun. *The Inside Track* (sports anthology) runs at 1205 Mon. *RCI's* annual budget is now stabilized at approximately C\$15.5 million. Expect to see a gradual increase in *RCI*-produced programming and correspondingly less *CBC* domestic product on *RCI* over time...Clocks move back to standard time at the end of the month. Several stations (including the BBC, *RCI*) adjust the times of some transmissions and programs. If not there when you tune in, try an hour later UTC...Rest in peace, Arthur Cushen.



# Shortwave Center

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*First an article from our regular contributor Marlin Field of Michigan.*

## Radio Macarena

The Cadena Radial Autentica de Colombia is one of the eight radio networks listed in the current issue of the World Radio TV Handbook for the country of Colombia. It started in 1990 with an FM station in Santafe de Bogota. Today it has eight AM outlets, from Cartagena on the Caribbean to Cali in the south of Medellin, Santafe de Bogota, and Villavicencio in the central part of the country. The network has one shortwave station, Radio Macarena in Villavicencio; formerly it was part of the TODELAR chain of stations. Its most powerful station broadcasts with thirty kilowatts on 540 khz from Santafe de Bogota, while Radio Macarena, which is on 5975 khz; has ten kilowatts of power.

Most of the programs of the stations are religious in nature although they do have news broadcasts and "programas folkloricos." The stations, according to Yarlydy Davila Cortes, Administradora of Radio Macarena, must carry commercials in order to meet their financial obligations. The network is owned by Corporacion Centro Misionero Bethesda.

Reception reports may be sent to Radio Macarena, Calle 38 No. 32-41 Edificio Prollano, Villavicencio, Meta, Colombia. Muchas gracias and thanks to Yarlydy Davila Cortes of Radio Macarena for providing this information.

*This next item appeared has appeared in NASWA before but it still has a lot of good information.*

## A Few tips on DXpeditions

by Michael Bolitho, Ontario, Canada

Relatively little has appeared in these pages on Dxpeditons—the chance to go out into the wild, erect antennas, turn on a radio, and voila, hear new stations from weird and wonderful places. There are those who ask "who would be crazy enough to do something like that?" I grant you that listening expeditions are not for everyone. Those who prefer armchair quality reception while actually sitting (bouncing?) in their armchairs probably prefer to stay at home. However, for the listener who enjoys hearing new and exotic material a Dxpediton can sometimes be the only way to accomplish that. Living in an urban area creates untold problems for the listener who chases weak stations. Electrical noise levels can be severe enough some days to blanket all but the strongest stations. The problems are especially severe on the medium wave (MW) band, plus the shortwave tropical bands

of 120, 90 and 60 meters. For example, it's a rare night that I can hear anything on 120 meters in midtown Toronto, thanks to, you guessed it, the local noise level. The listening expedition allows the participant to escape from the noise level. Combined with an opportunity to erect longer wire antennae which usually offer somewhat higher gain, an expedition can hear significantly more than the listener would in his/her home location. Even under mediocre conditions! Exceptional conditions sometimes produce results which are nothing short of outstanding. On the mediumwave band, the erection of long antennas with high gain and directivity can eliminate common domestic stations and replace them with reception of rare Latin or other overseas stations. A Dxpediton also allows the medium wave listener to escape adjacent channel interference ("splash") often noted from local stations.

One thing which is crucial to the success of any expedition is planning. The more ambitious you are, and the more you wish to accomplish, the more planning you will have to do. An expedition can be as simple or complicated as you wish to make it. For some it may be simply a matter of taking a portable radion to the summer cottage and listening on the built-in whip antenna. For others, it may consist of several thousand feet of wire, portable generators to run AC-powered radios, tents, sleeping bags, food, and the other accessories required to spend a week camping and hearing new stations. What any particular expedition does is up to its members. But once the decision is made, it is a tremendous help to be well-organized.

First of all, it helps to have an extra person or two going along on the expedition. That way, the tasks involved in the organization can be split up. However, at the same time, too many people can cause problems if all try and hook into one antenna or run than a couple of antennae to the same site.

Too many long wire antennae can interfere with each other, spoiling some of the directional effects. An additional advantage of those extra people, however, is that some monitoring of the bands can be done at all hours of the night. Too often, there's a lull where there is nothing being heard; say around two or three A.M. That's when the temptation is greatest to drop off to sleep and ignore the alarm clock for sunrise. In theory, three people are less likely to do this than two, but note the caveat about theory.

Once you've decided who is interested in going, you need to decide what you're interested in hearing. Mediumwave? Shortwave? Both? From where? The questions are relevant because they will affect the selection of a suitable site. It pay to remember that long wire antennas get to be very directional as they get longer in relation to the wavelength

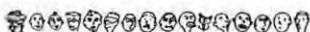
of the signal being received. A directional MW antenna will need to be much longer than one for reception on the 60mb short-wave band. For example, Dxpeditions specializing in the mediumwave band often erect antennas which are upwards of 2000 feet long. But for shortwave this antenna would be so directional that the expedition would be virtually limiting itself to one area of the world; if reception conditions to that one area were poor, the listeners would consequently find themselves to be quite bored.

Site selection now comes into play. The ideal site will have fairly easy terrain, with no big hills in the direction you wish your stations to arrive from. High tension power lines

should be absent, although access to AC power is a tremendous convenience. And a check to advance to see if there are any obnoxious buzzes during listening hours might not be a bad idea. Other nice facilities to have are some kind of accommodation, rather than having to rely on a tent. (For some reason, the weather

always choses to strike whenever I go on an expedition. The last one I went on saw the temperature dip to -40 Farenheit/Celsius late one night.) Compromises will have to be made. The lack of AC power is not of concern if a battery powered receiver is available. A tent is comfortable accommodation on a summer evening in July. Site terrain is a little harder to compromise—stringing several thousand feet of wire in a swamp would not be an enjoyable past time. Really, the only advice which can be offered is to use what's available to you, and make the best of it.

Antennae are one area which provoke a number of questions. I've referred throughout this article to the erection of long wire antennae, preferably of multiple wavelength. These are also known as "Beverage" wave antennae, after their inventor. The best antenna wire seems to be single strand, plastic cov-



**The more  
ambitious  
you are, and the more you  
wish to  
accomplish,  
the more  
planning  
you will have to do.**



ered copper. The exact gauge will depend exactly on how often you are prepared to support it, and most the local availability of wire at a reasonable price. Multi-stranded wire tends to need more support, which is no problem if the antenna is strung through a forest, but rather a nuisance in an otherwise devoid field.

Height with these very long wires is not of crucial importance—four or five feet above ground level often works quite well. If suitable natural supports are not available, man made ones can be fabricated using 1" by 2" lumber stakes. A uniquely Canadian solution to this problem is to use broken hockey sticks. Remember, the more supports that are required, the longer it takes to actually erect the antenna and reel it in when you're finished. The only advice I can offer about stringing the wire itself is to make sure that it is as straight as it possibly can be. Otherwise, the pronounced directional effects will be spoiled; the benefit of the higher gain will still exist but the results are usually not quite as spectacular. It's worth noting again the problems with too many antennae running into one site—the consequent interactions between them will spoil the directional Beverage effects. I can't be too specific about directional effects. More information can be found in the National Radio Club (NRC) publications on Beverage antennae; including several excellent charts which show the directionality/wavelength relationship. (For information, NRC Publications Center, P.O. Box 164; Mannsville, New York.)

Once the site has been selected, a whole new series of questions arises. If you're camping, you're going to need all the camping gear, and all the necessities for your survival in the wilderness for the length of time you are going to be listening. Plus, the stuff related to the radio aspect of the trip. The receivers themselves. The antenna wire. The supports. Tools. A soldering iron is very useful to have; if you haven't got electricity you can obtain a propane fired soldering iron. Solder. Proper clothing—it helps to remember that the weather will always oblige you by turning worse; there's nothing quite like not being properly dressed to add to your enjoyment.

Another typical Canadian example; if the snowfall is likely to be heavy, a set of snowshoes makes antenna work much faster. It also helps to prepare your car adequately for the rigor of back roads and not well beaten tracks, especially if you are normally confine your driving to cleared urban roadways. Sliding into a ditch or getting stuck in the mud is no fun; inevitably hours are wasted getting towed/dug out, and that's usually when the best reception conditions are present. A simple rule of thumb to remember is that once you think you've got everything, go back and look at your car. If there is any room left in it for more than a driver and passenger, stop, because you must have forgotten something. The rule, although facetious, points out another problem; while it is a nuisance to try and remember absolutely everything; it is a bigger nuisance to go back and get something you've forgotten. Or worse, to find yourself without something you need. (Like the cigarette lighter power cord for your receiver or tape recorder!) It all comes back to being well organized.

Another question which is often asked involves what receiver to take along. My answer to this would be the best one that you have for the power supply available. A battery operated portable can do quite well if there's no AC power available. But, a decent communications rig is capable of pulling out superior DX, and if you feel it's worth the trouble, take it. I remember hearing Comoroos on 3331 (hetting CHU) on an expedition once; thanks to the fact that one of the participants had bothered to lug his R388 along and the selectivity of the R388 made the difference. It is worth remembering, however, that some communications receivers are not designed for the shock of this rather rugged type of use; I understand this caveat applies especially to older tube type receivers. Cossett them in the back seat of your car, and not the trunk.

Another worthwhile set of things to remember is reference material. Split this out among members of the expedition as well; no point ending up with three copies of the WRTH and no copy of the Tropical Bands Survey for reference.



# How I DX (or: Though this be madness, yet there is method isn't)

by Dr. S. David Klein

Some time ago, NASWA requested an article on my method of Dxing, and though I have been thinking about it, it is only now that I have found the time to type it out. Dxing is one of several hobbies that I enjoy and is the one that I devote the most time to. I tend to take my hobbies seriously, and Dxing is no exception. I don't think that there is any one "best" way to DX, and so I do not put forward my method as better than any other. It is simply the way that I enjoy my hobby.

I am primarily a bandscanner. When I fire up my rig chances are that, unless I am looking for something specific, I will tune to the top or bottom of one of the SWBC bands, usually 90, 60, or 49 meters. I will then proceed to slowly tune through the band, making a note of what I am hearing. Over the years I have become familiar with my favorite bands, at different times of the day, and as a result any new station will stick out like a sore thumb. If I find something that is not familiar, I will sit on it until I have identified or until I lose it. Unfortunately, the latter is the more common occurrence. If so, well...there's always tomorrow, or the day after. I have found through personal experience that DX cannot be rushed...not without getting your face full of egg...often.

When I mention finding something unfamiliar, I don't just mean a station broadcasting on a frequency formerly vacant. If I find a station broadcasting a format very different than usual I listen to it for a while. Sometimes it may simply be a new or different program; sometimes it may be a special event, as Venezuelan stations broadcasting classical music in honor of the anniversary of the death of Bolivar; sometimes, more rarely, it

may be a horse-of-a-different-color. A case in point: a while back, I came across the station on 4945 khz, usually Radio Colosal, broadcasting Andean music, usually associated with Peru or Bolivia. After listening for a bit, it turned out that the station was Radio Illimani in Bolivia, to my way of thinking a far better "catch" than Colosal.

This method has its drawbacks, though they are not major. Occasionally I will find a station broadcasting a program that I do not associate with that particular frequency, and I will lose it before I can get an ID. The temptation is to check in the WRTH to see who else it might be, and to see if the programming heard might match that "other" station. When I have a situation like this, I will check for several days, before coming to any conclusion. After all, stations have been known to change format. After several tries, if I still cannot put my finger on it, I may report it as an UNID, or let it ride for a while longer. I will not report it was that "other station" unless I have plenty of evidence to back up that tentative ID. Sadly, all too often you will see what appear to be definite logs of a rare station, which upon scrutiny, turn out to be what you would have normally expected on that frequency subject to poor propagation or heavier-than-normal interference. Dxing should not be a guessing game.

The times that I DX are a function of my own personal nature. I am something of a "night-owl" and as a result most of my Dxing is done between sunset and sunrise. In particular, I enjoy listening starting around 2200 and tapering off about 0400 or so. In that time range, as likely as not, you'll find my listening to a Brazilian or African. If I can manage to get up that early (or if I've become so

engrossed in some science fiction that I'm reading that I've forgotten to sleep) I also enjoy listening from around 0800 onward. First, the Brazilians singing-on, then the Latins, and later on, if conditions permit, stations in Oceania and Asia. During this time period I may abandon bandscanning in favor of trying to catch certain stations I'd like to hear. Don't get me wrong...if I hear that the rare station Radio Rarius can be heard on 12345 at 0700, come 0700 you'll find my sitting there. While there is one method that I prefer, bandscanning, I do not limit myself to that one alone.

I have found that serious Dxing requires a great deal of flexibility, in how you listen, when you listen, and what you listen to. I think that it is a mistake to lock yourself into one rigid form of hobby activity unless that is what you like. The key thing to remember is that it is a hobby (well, at least to most of us!) and that the primary goal is enjoyment. It saddens me to see how many of us think that our world will grow or crumble based on how many countries we have heard as compared to others in the hobby. While some people may enjoy that (in which case more power to them... enjoyment is the name of the game) for some the hobby loses its "fun" aspect. When that happens I think it is time to move on to something else. Although other hobbies have come and gone, for my Dxing retains all of the enjoyment that it had when I first started...perhaps even more since at that time I did not know about clubs such as NASWA.

One of the aspects of the hobby that I enjoy is participating in the club...witness this article. I consider it part-and-parcel of my hobby activity. Apparently I am in a great minority in this respect, given the very low level of participation in the club, specifically,

I am in the less-than-five-percent that enjoy contributing to the club. I am not about to launch into a sermon on the reasons that should motivate you to be active in the club; a number of editors (who voluntarily perform their jobs because that is one aspect of their hobby enjoyment) have already made those points. However, this is, after all, about how I go about enjoying my hobby, so perhaps I should mention something.

At the beginning, it was, admittedly, a thrill to see my name published in the Journal.

That lasted perhaps a few months, at most.

After a bit, I found that I enjoyed sharing my hobby endeavors with other. It is not as strange as it seems; I suspect that for most collectors, a great joy, if not the greatest joy, is showing off their collection. Are we not, in effect, collectors of

DX? I think we are...in which case I am surprised by

the very low level of participation. For most people beginning in the club, sending in that first logging can be rather traumatic: "I'd just die if the editor printed my logging and said I was wrong." Or: "This is not real news, the editor probably won't even print it." To the first, I say, "The editor is not an ogre, he isn't deliberately going to make you look like an ass, and everyone is entitled to be wrong on occasion. No one expects you to be perfect, and if you make an honest mistake it is nothing to be embarrassed about." If you fall into the second group, then I have this to say: "You have to start someplace, and the best place is at the beginning. If the editor has the room, he will print your logging, be it common or not. Sooner or later you will have your loggings published; at that time you may find that you are starting to enjoy your hobby even more than before. The important thing is to start!"

**I DON'T THINK  
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AND SO I DO NOT PUT FORWARD  
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THAN ANY OTHER. IT  
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THAT I ENJOY MY  
HOBBY.**

There is another aspect of activity in the club that is, perhaps, the most overlooked, yet it can be the most enjoyable part of the activity. Quite simply, it is making new friends. Once you are active in the hobby, you will find that you will start to correspond with others who are active. Sometimes that correspondence may turn out to have been the start of lasting friendships. Through the hobby, through my activity in NASWA, I have met people who I now regard to be good friends. There is one slight disadvantage to this... my phone bills truly endear me to Ma Bell! Be that as it may, I find my correspondence with fellow hobbyists to be one of the most rewarding aspects of the hobby, and I would not have had

the opportunity had I not decided to be active in the club. Being active will not hurt you, does not take much time at all, and can greatly add to your hobby enjoyment. I know for a fact that it has for me.

I suspect that this article may have turned out to be both longer and more far-reaching than what was requested. I was asked, however, how I DX, and I am pleased to be able to share the answer with all of you. I hope that, perhaps, I have been able to help some of you more fully enjoy the hobby; if that is the case then the effort expended in writing this was worthwhile indeed!

*This article originally appeared in the Communication of the British Dx Club and is via Rich D'Angelo.*

## Broadcasting in the Belgian Congo and Zaire

by Alan Hardy

The Belgian Congo gained independence in 1960. Before independence, during the fifties, the external service of Belgium operated a relay station from Leopoldville (Kinshasa) on 9655 khz, with 50 kW, beamed in the directions of Buenos Aires and New York., for reception in the evenings in the Americas. Indeed, the Belgian National Broadcasting Service had opened its powerful radio station in Leopoldville, capital of the Belgian Congo, on 16 May 1943 from which all programs for occupied Belgium were broadcast from. The equipment had been purchased by the Belgian government in the USA in 1941 and shipped to the Congo for installation. At this time, Belgian broadcasting was divided into three main programs radiating from London, New York and Leopoldville, with transmissions from London and New York directed specially to Leopoldville for instantaneous transmission from Africa. At that time, Belgium's external service was more extensive than today.

In November 1960, after independence had been gained, an external shortwave service was set-up on 11795 khz in the 25 meter band for broadcasts to Africa, Europe, Asia,

Oceania, and the Americas. The early broadcasts were 1700-2000 for Africa, 2030-2330 for Europe, Asia, and Oceania, and 0000-0300 for the Americas. The languages used were Swahili, Portuguese, English, French, and German, each program lasting for one hour. Whether this 50 kW transmitter was the old one that the Belgians operated in colonial days isn't known. This external service operated for three years, with the African service the first to go.

Shortly after independence, a breakaway government, backed by the Belgians, was set up in Elizabethville (Lumbumbashi), capital of the province of Katanga, and an external operated on 11875 khz from 1600 to 2100 in several languages, including English. The government was short-lived and the station was then operated by the United Nations.

Over the years broadcasting of even the domestic service has been erratic. Zaire has struggled for many reasons and it is likely that transmitters and studio facilities cannot be readily repaired as and when problems arise. Certainly the heyday of broadcasting after independence was way back in the sixties and if we ever see it resume to the scale it was then, it is a long way off.

## This is Channel Four broadcasting station in Taipei

by Jerod Pore

Every day, between the hours of 0930 and 1330, we West Coast monitors of strange shortwave transmissions can tune into 8300 khz and hear what has been identified as "New Star Broadcasting". We hear on this station a series of numbers read in Mandarin. We check the WRTH and find that slice of the spectrum to be under utilized, with a time signal station in Japan at 8000 khz, some local Peruvian stations at 8003 and 8065. Local Mainland Chinese stations at 7935 and 8007, more time signal stations from South Africa, Sri Lanka and Brazil at 8461, 8473 and 8492, respectively. South American and Pacific Island illegal hams frequent the area in question, as do a few utility stations, but there are no listed broadcast stations at 8300.

More or less on the hour, usually on the half hour, and sometimes on the quarter hour, we are treated to an unknown piece of music featuring violin and flute. Then we have a woman making an enthusiastic announcement. Another woman gives the station identification, which includes the phrase that, at first sounds like "New Star Broadcasting, Taipei". Then, there is some more flute and violin music.

For a couple of minutes this woman broadcasts something in Mandarin, in the midst of which I was able to pick out the occasional series of three-digit numbers. After she is done, the first announcer comes back on the air, saying something, then begins to read a series of four-digit numbers, each four digit set is read twice. The numbers continue for varying lengths of time. At the end of each series, or the start of the next series, the woman announces something, then starts the next series of numbers. This will continue for anywhere from five minutes to half an hour. When there is no reading of numbers, there

is a strong quiet carrier, and on the quarter hour the music and station identification, another series of numbers, quiet carrier to the half hour and so forth.

On other days, the numbers have continued for slightly more than half an hour without a break. At the end of the numbers, the woman makes a more enthusiastic, almost revolutionary sounding announcement.

One morning, I taped ninety minutes of transmissions. A friend of mine is from Taipei, and I enlisted her as a translator. She is unfamiliar with the joys of selective fading, static, jamming and such, so she could not put up with the entire tape, and although she speaks the Taiwanese dialect fluently, we realize that her translations may not be perfect.

My friend could not identify the music used to being the broadcast. The first enthusiastic announcement is: "We are ready to be transmitting". The station identification is "This is Channel Four Broadcasting Station in Taipei, Republic of China, on 8300 khz". The word 'Broadcasting' is practically the same in Mandarin as in English - 'Station' is close in both languages, and "Channel Four" could be heard as an English "New Star". The phrase "New Star" has a lovely Chinese flavor to it. We both understood how easy it could be to mis-identify the ID. During the announcement broadcast times are given.

After the short music break, the announcement that contained three-digit numbers is translated as, "We are sending telegrams from the following units to the following units". Each unit was identified by a three-digit number. Most, but not all of the receiving units were also identified as being "in Japan". My friend said that unit was the closest translation she could come up with.

The phrase that prefaced each series of four-digit numbers was translated as (with bogus numbers for purposes of example), "We are sending a telegram from unit 123 to unit 456 in Japan. Unit 456, please prepare to receive. The telegram contains 10 words." The enthusiastic woman would then read ten sets of four-digit numbers. The phrase was actually much shorter than translated here, but refers back to what was previously announced.

The "revolutionary" announcement at the end of the transmission translates as, "This concludes our broadcast! Thank you for receiving our telegrams!" Perhaps she was just happy to be finished with a twenty-five minute broadcast.

The key concept in all of this is the telegram. In Taiwan, the sending of telegrams involves the use of four-digit codes. If a telegram is sent over teletype wires, the operator translates each ideogram into four-digit code. The codes are then translated back into ideograms at the receiving end. This allows the use of standard teletype equipment, or even Morse code before teletype was readily available, to send messages across the country. When one received a telegram, the codes appeared below the hand-written Chinese characters.

Now this is a very logical and legitimate explanation for these broadcasts - the sending of telegrams to Chinese speaking residents of Japan. However, the translation raised more questions than it answered.

First of all, the widespread installation of faxes and computers with Chinese keyboards has made the coded telegram nearly obsolete. They are still sent this way, but they are becoming rare.

There is an immense data highway running between Taipei and Tokyo, the bandwidth of which is measured in gigabytes. It seems archaic to resort to shortwave voice transmissions to convey this information. If it were necessary to use radio, why use voice and not RTTY? And if it is necessary to use voice, why the four digit codes being used instead of just reading the contents of the telegram?

If this information is being broadcast only to Taiwan and Tokyo, why is the signal so strong on the West Coast of the United States.

One could classify this as a utility station, so why the musical introduction? And why is that woman so enthusiastic at the beginning and ending of each broadcast?

Channel Four is an interesting catch, and one can speculate endlessly on its 'true' mission. My favorite guess is that the broadcasts are intended for the authorities of the People's Republic, to make them think that Taipei is communicating with operatives on the mainland. Beijing may protest, but there is the cover of legitimacy about Channel Four. . . .

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**Notice:**

**Ads are printed in the Journal when space permits at no cost to members. Send all ads to NASWA, 45 Wildflower Road, Levittown, PA 19057. They can also be emailed to <naswa1@aol.com>. Please avoid obscure abbreviations and be sure to state who is to pay any shipping costs involved.**

# Listener's Library

T. J. "Skip" Arey N2EI

P.O. Box 236

Beverly, NJ 08010

Internet: tjarey@mosquito.com

As some of you may know, I've recently moved. The new location is much improved for listening. I have the ability to string a 150 foot longwire and I am out from under the footprint of a 50 kW AM Clear Channel so I'm very happy. These new digs even have enough room for a decent workshop/lab to get some serious experimenting and constructing done. SO I was happy to see a few books cross my desk that will aid in the many future projects I plan to take full advantage of the DXability of this new QTH.

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Starkville, MS 39759

MFJ-3506

The folks at MFJ are filling a gap in the radio hobby publication world. There are many great books written for beginners (I'd like to think I wrote one of them). Also, serious, full blown, engineering texts are only as far away as any good library or college campus. But what about the rest of us? Folks who have gotten, by guess and guile, beyond Ohm's Law. MFJ has released quite a few books for "the rest of us", all written by very credible and competent individuals.

Many radio hobby projects call for inductors and transformers wound on magnetic cores. For most of us, figuring out how to actually wind one of these little devils is accomplishment enough. However, learning how these devices work can open up a whole new world of experimentation.

Doug Demaw W1FB has graced the pages of

QST for many years, he has written a whole stack of books for The American Radio Relay League, some of which I have reviewed in these pages. He is also a "fellow traveler" with me on the staff at Monitoring Times. Through all this Doug has also been a full member of the IEEE and a Graduate Engineer. Doug has, over the years, taught many of us most of what we really know about electronics, especially when it comes to applying this knowledge to the radio hobby. Who better then to help us understand the world of toroids, ferrite rods and powdered iron pot cores?

The books contains a thorough study of the theory behind the design and use of ferromagnetic inductors. But in addition to the book learning, Doug shows us how things really work with dozens of practical applications, all of which he has personally tested in his own lab.

Cores can be tricky little dohickies. Getting the right combinations of core size and material, wrapped with the right number of turns of the right size wire can be tedious. Further, if you get things wrong, its possible to have a coil that "looks right" but doesn't get the job done. Doug shows his readers how to take steps to avoid these pitfalls and get everything set for your particular application.

As I have said in past columns, I'm partial to Medium Wave DXing. So when I saw that Doug had included a good chunk of information on Ferrite Loop antennas I took the phone off the hook and did some serious reading and planning. Doug's design for a Loop Sense antenna with a cardioid response pattern would make a great project for any Medium wave or tropical band DXer.

The book has some math but nothing that would take more than a "C" in high school algebra to figure out. Don't let this scare you away. The math only serve to compliment and further explain what Doug has already laid out in plain English.

The book contains one of the most comprehensive appendices I have ever seen. Tons of information on design, conversion tables, component characteristics as well as information on core manufactures can be found in this section of the book.

You couldn't find a course at your local community college that would give you more information and you certainly wouldn't be able to enroll for \$19.95. If you are an experimenter or you plan to become one, this book needs to be on your shelf.

**HINTS & KINKS FOR THE RADIO  
AMATEUR**

*14th Edition*

Edited by Robert Schetgen KU7G and  
David Newkirk W9VES

173 Pages

\$12.00

The American Radio Relay League

225 Main Street

Newington, CT 06111-1494

ISBN: 0-87259-609-5

Everyone who has been in the radio hobby for more than a few months has come up with one or two Hints and Kinks. Finding unique and new ways of getting things done is a function of someone looking at the same old problem in a new and different way. I find I learn a thing or two every year when I talk to folks at the Kulpville Winterfest. I may pick

up a trick or see a new idea while walking around the tables at a local hamfest. But these things don't happen all the time. QST the monthly magazine of the ARRL has a regular Hints and Kinks column where hams trade new ideas and twists with each other. Periodically, The League publishes the best

of these ideas in book form.


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Finding  
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~~~~~

Don't let the fact that this is a ham radio book limit your thinking. Many of these neat ideas have wider applications. The book is divided into sections referencing ideas about equipment, both commercial and home-brew, batteries and generators, mobile and portable operation, construction, test gear, antenna systems, operating (if you've

taken my advice and become a fellow ham), shack set up and interference.

Amateur radio operators can come up with great ways to do things, often without a great deal of expense. Some of these ideas are truly inspired. Looking for a padded case to carry a handheld safely? Ever try a common garden variety oven mitt??? Looks weird, works great. If you want something more "manly" try an inexpensive drill pouch from your local hardware store. How about using baseball card collector pages to store small parts for easy identification? Maybe you might have a use for PVC pipe elbows to better direct your speaker audio? How about a few easy ways to install those pain-in-the-hind-quarters PL-259 coax cable connectors? If you have had to solder more than one or two of those puppies during your radio hobby career the cover price of this book is worth the expense for this tip alone. But you will also enjoy the dozens of other ideas that will either be of direct use or will serve to inspire you to develop your own Hints & Kinks. 

Our man in Wyomissing, Richard A. D'Angelo checks in this month with a couple of great reviews for the groups consideration. Both are Danish Shortwave Clubs International (DSWCI) publications.

### *Tropical Band Survey*

*25th Edition (1997)*

Edited by Anker Petersen

28 Pages

Danish Shortwave Clubs International  
Tavleager 31, DK-2670 Greve, Denmark  
ISSN 0106-1968

Reviewed by Richard A. D'Angelo

A serious listener to the tropical band frequency spectrum can benefit substantially from a frequency list prepared by DX'ers for DX'ers. The 25th annual edition of the Tropical Bands Survey ("TBS"), compiled once again by Anker Petersen, is just such a list. For many years, Petersen has been one of Europe's top DX'ers. Besides his expertise at the dials, he is actively involved in the management and editorial functions of the Danish Shortwave Clubs International ("DSWCI"). He is editing the hobby's longest running and most reliable listing of broadcast stations operating below 5,900 kHz. This is the 25th Jubilee edition with updates to more than 60% of the stations listed. TBS-25 contains detailed statistics on the trends in broadcasting in the tropical bands and the 75 meter band for every region of the world.

B 2223 - INS R Kharisma

A 2310 50 AUS VL8A, Alice Springs

The TBS lists all active broadcasting stations in the 2000 - 5900 kHz range by frequency, power, location and transmission time. It is completely updated through May 1997, and is based upon monitoring information from DSWCI members and other DX'ers all over the World. As in past years, each station is classified by a code describing its current audibility—"A" for reported active, "B" for not reported but believed active, "C" for likely inactive, and "S" for seasonal changes. It consists of 28 offset printed A-4 pages.

A typical listing would begin with the audibility code. This is followed by the frequency, transmitter power, ITU country code (a real space saver!), station name and location. Finally, the transmission times and other pertinent information rounds out each listing. For example, the first two stations in the list look as shown in the figure below.

The Tropical Bands Survey is available directly from the DSWCI for US\$10.00 or 10 IRC's for airmail delivery worldwide. Send your order and payment to: DSWCI, c/o Bent Nielsen, Egekrogen 14, DK-3500 Vaerloese, Denmark. Tell them you read about the TBS in the Journal!

I have been using the TBS for about two decades and find it invaluable in my DX'ing. It is one resource that makes it to every DXpedition to Gifford Pinchot. I highly recommend purchasing the TBS!

Pirate. Also heard on  
2250 kHz. Schedule  
unknown.

0830-2130 Northern  
Territory Sce, incl ABC &  
CAAMA R px in Aboriginal  
languages. Alt fq: 3230  
kHz, ck 4835 kHz.

*Figure 1 Typical Listings from the Tropical Band Survey*

**Clandestine Stations List  
1997 Edition**

**Edited by Finn Krone**

**32 Pages**

**Danish Shortwave Clubs International  
Tavleager 31, DK-2670 Greve, Denmark**

Reviewed by Richard A. D'Angelo

Clandestine broadcasting is a mirror of the unrest throughout the world. Because of its political nature, parts of the broadcasting schedules of these stations are quickly outdated. Consequently, most listeners need some sort of list to help catalog relevant information for research purposes.

Where does a listener go when a handy resource reference is necessary? I think you will find the Clandestine Stations List ("CSL"), edited by Finn Krone, is the best reference guide you can find on this subject.

For those new to this area of listening, clandestine broadcasting transmit material of an "outlawed" political nature which has most often been declared illegal by the government of the stations' target area or country. Many of these stations are jammed to prevent their messages from getting through to the target area. Consequently, frequencies are often changed; sometimes during a broadcast! So when you tune in to a broadcast, you should try for frequencies around the ones listed in case the station is on the move.

The Clandestine Broadcasting scene changes quickly. Consequently, Krone has once again updated the DSWCI Clandestine Stations List through May 1997. Long considered one of Europe's top shelf DX'ers and a past recipient of ANARC's International DX'er of the Year award, Finn continues to edit the

definitive resource for shortwave clandestine station DX'ers. The CSL contains the latest information available on all active Clandestine Stations broadcasting on shortwave, including transmission schedules, political organization, languages used in broadcasts, addresses, and verification policy. The stations are listed in frequency order, as well as in time order and country by country. You'll also find much background information of the Clandestine stations, which are not found elsewhere, such as the organization behind the station, latest known broadcast schedule, station identification.


The CSL consists of 32 offset printed A-4 pages, an increase of 4 pages compared to the 1996 edition. It is available for US\$10.00 or 10

IRC's for airmail delivery worldwide. Send your order and payment to: DSWCI, c/o Bent Nielsen, Egekrogen 14, DK-3500 Vaerloese, Denmark. Tell them you read about the TBS in the Journal!

**It is  
very difficult  
to keep this type of  
information organized  
on your own. That's  
where a publication  
such as the CSL  
excels.**

Over the years I have found the CSL to be an invaluable resource in my shack. It is very

difficult to keep this type of information organized on your own. That's where a publication such as the CSL excels. If you are interested in clandestine station broadcasting on shortwave or you are interested in getting your feet wet in this area, the Clandestine Station List is a must addition to your shack.

Great stuff as usual Rich. Thanks for giving the world a break from my verbage. So what's up with the resy of you loyal NASWAites??? If you have a new tool that is helping you fill your logbooks with stations, why not take a few minutes to share this information with the group? 

## Memories Of Radio Listening Over 60 Years

By Arthur Cushen

*[Ed. note: This article was written for the New Zealand Radio DX League shortly before the author's death. It is presented here with their permission as a tribute to the contributions Arthur made to the hobby over many years.]*

Although I was interested in radio listening in the mid 1930's, it was not until 1937 that I joined the N.Z. DX Club. The N.Z. DX Club was part of the Radio Record magazine, which was a private company. Editor Earl Reid realised that as well as publishing weekly programmes from the many B Class or private radio stations throughout New Zealand, there was an opening for radio listeners to contribute what they had been hearing. Those were the days of silent nights on some broadcast band frequencies and so there were a lot of North American signals being reported. This continued until 1939 and by that time the government had purchased all the private radio stations except two. And it also launched the NZ Listener, incorporating Radio Record. As The Listener was not interested in the DX Club, it eventually became a non-profit organisation, with Auckland and Southland being the main areas of the organisation.

The first magazine of the privately operated NZ DX Club was published in September 1939. It was called The NZ DXTRA and was published here in Invercargill. My first column appeared in that feature and since then has been carried in The DXTRA and the N.Z. DX Times over these past nearly 60 years. During the war years it was difficult to obtain paper but the Southland Branch of the DX Club was very active and we had up to 30

members attending meetings in the late 1940's. In 1945 the DX Club President Ted Andrews and committee member Bill Masson from Auckland visited Invercargill to discuss the future of the club. It was obvious from discussions that the Auckland Branch, although being our Headquarters, were not radio listeners and in fact the National President did not even own a radio and they were more interested in running dances and getting in funds to keep the DX Club going. This continued and the position deteriorated, and in 1947 members of the Otago Branch of the DX Club and the Southland Branch joined for preliminary talks about a new DX organisation. This was eventually formed on August 15th 1948, when the NZ Radio DX League came into being. Since then it has promoted the hobby all these 50 years.

I should return to those years between 1939 and 1954 and the magazines and the various publications that I contributed to, including the Lamphouse Annual. This was a Cornish publication, published in Manners Street, Wellington. As well as giving details on the radios they sold, Hikers 1 and crystal sets and the like, there was an article on radio listening which I compiled and also a list of all the Australia and New Zealand broadcast stations, and shortwave stations that could be heard. In the early 1940s the interest in the Lamphouse Annual was such that it was decided to publish a monthly magazine called the Radiogramme. Here again I contributed a monthly column. The Radiogramme was the magazine of a radio hobbies club and each member was known as a Rahob and allocated a membership number. That continued in some sort of competition with the DX Club. Though of course being an annual publication and the magazine monthly, it

didn't focus on DX listening but more on radio theory, kits and the like. It continued until the early 1950's when the Lamphouse Annual became a thing of the past.

In the early days, the Southland members generally journeyed to Riverton Rocks near Invercargill where Merv Branks had a crib or house, and using long aerials we heard some good North American signals. Members of the Otago Branch listened to out-of-town reception at Long Beach, which was also an excellent location for North American signals. Listening at home at 105 Princess Street Invercargill in the 1940's, my logbook shows over 50 North Americans heard in a matter of 2-3 weeks and signals were excellent. 105 Princess Street, was in the southwest corner of the bluff and there was a house at the north west corner, so that I had a complete length of a city block for an aerial system. I used my English Echo purchased in 1939 for all this listening during the war years and up to 1954. The Otago and Southland Branches both began to increase in membership and in fact the Southland Branch annual meeting was always held in a hall as one could expect 30-35 members present. The strength of the branch was shown when we had a DX Convention in Dunedin, when there were cars leaving the city every 30 minutes to take over 30 members to this early convention of the DX League.

In 1950 the new editor of the NZ Listener decided that it would be good to run a shortwave feature and so I conducted a column for some 38 years. The column had the DX League logo on the top, and that brought in many requests from listeners for information on radio listening and we saw the League's membership grow to well over 700.

Going back to the formation of the DX League, those in the original committees were: Administrative Committee—Jack Fox, Des Lynn, Peter Thorn, Ken Mackey & Jim Martin. The Invercargill Magazine Committee was made up of Merv Banks, Arthur Cushen, Alex Allen, Lloyd Warburton and Dudley Carter. The first National President was Lloyd Warburton and National Secretary was Des Lynn. In those days the publication was copied on a Gestetner Duplicator,

but later the Wellington Branch with Bryan Clark and Tony King put forward the idea to become an offset publication and this of course is the style of the NZ DX Times we have today.

In the field of hobby promotion by radio, DX sessions commenced in the 1950's, particularly over 4XD, Dunedin. Later with the advent of private commercial radio in New Zealand, there was a programme on Radio Pacific and another one on 2YB, Access Radio Wellington. Features on ZLXA Levin and Radio Rhema were being contributed to on a weekly basis. In the late 1950s, Cleve Costello had a programme called This Radio Age on Radio NZ's Shortwave Service, and in 1960 he asked if I would contribute some DX material each month. Later Cleve gave up the session but it continued as a full 15 minute DX programme and in the 1970's it was carried not only by our shortwave service but by National Radio on Sunday evenings at 10:30pm. In January 1966, I commenced my first programme on Radio Netherlands in DX Juke Box with Harry van Gelder. That continued until 1982 when Jonathon Marks took over the programme, and it became Media Network. My contributions were heard on the first or second Thursday of each month. There have been some memorable broadcasts on Radio Netherlands promoting all aspects of electronics and communication but they haven't forgotten radio listening which is still paramount in the Third World. Locally I continued to write a column for the Southland Times newspaper called "It's on the Beam" which started in 1957 and concluded after 39 years in 1996. Across the Tasman, I started writing a column in 1952 for Electronics Australia and it will celebrate 45 years with a special feature in the October 1997 edition of that publication. It has had several name changes in that period—it was Wireless Weekly, then it became Radio and Hobbies, then Radio, TV and Hobbies and now Electronics Australia. I also contributed to some of the more recent publications in North America, such as Monitoring Times, which has run several articles about my listening in the South Pacific, which has been of particular interest to North American radio listeners.

September 1997

## Digital SW Broadcasting

### (Part 3)

This month we will look at how an analog signal is converted to digital information and how the reverse process occurs in a digital receiver. We'll look at some of the design trade-offs facing the engineers working to establish an international standard for short-wave broadcasting. The techniques described here are generic to all digital systems and are not dependent upon which transmission system is eventually chosen for short-wave broadcasting.

The modern theory of digital transmission was first mathematically described in the late 1940's. The primary work was done by Dr. Claude Shannon of the Bell Telephone Laboratories. In my opinion Shannon is to information theory what Einstein is to theoretical physics. His basic paper entitled, "A Mathematical Theory Of Communication," appeared in the Bell System Technical Journal in 1948. His "Communications in the Presence of Noise," was published in the Proceedings of The Institute of Radio Engi-

neers in 1949. All modern digital communications designs have their genesis in these two works. If you have internet access and want to explore deeper try <[http://darkwing.uoregon.edu/~felsing/virtual\\_asia/info.html](http://darkwing.uoregon.edu/~felsing/virtual_asia/info.html)> for an interesting dissertation on this work.

Before an audio signal can be converted into a series of digital words, the signal must be sampled periodically so each of the samples can be processed. To keep the amount of data to a minimum, we would like to only sample as often as absolutely necessary to allow reconstruction of the original waveform.

The Nyquist sampling theorem says you must sample at a rate at least twice the highest frequency you want to transmit. Let's say we have a short-wave station that desires to transmit audio with a frequency response extending up to 10 kHz. The signal must be sampled at least at a 20 kHz rate or once every .05 milliseconds.

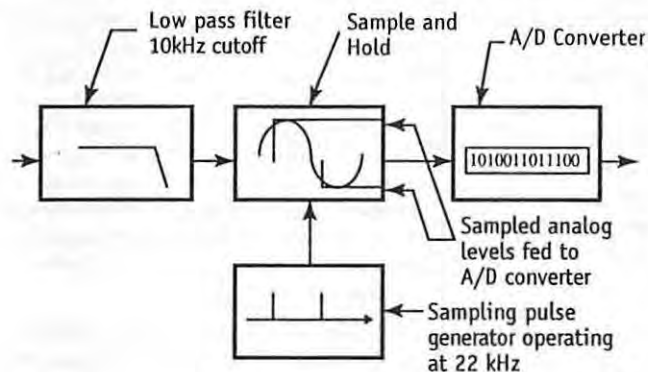


Figure 1 The analog to digital conversion process requires filtering, sampling, and conversion of sampled levels into digital words.

Figure 1 shows a block diagram of a circuit that will do this. The analog signal enters on the left and is filtered to remove any components above 10 kHz. Any energy above 10 kHz will be translated to the low end of the audio spectrum in the sampling process where it will be heard as distortion. This effect is known as "aliasing".

No low pass filter is a brick wall. Modern circuits using digital signal processing (DSP) techniques do approach this level of performance and will find greater application. As engineers become more familiar with the technology, and integrated circuits to perform the processing become more readily available, DSP will become commonplace.

So in the real world some energy will leak through above 10 kHz. To prevent aliasing, the signal is sampled at something higher than twice the highest desired frequency. If the filter roll-off is down 60 dB at 11 kHz, sampling at 22 kHz would put aliasing distortion products down at least 60 dB.

All engineering system design is a series of compromises and the choice of sampling frequency is no exception. The higher the sampling frequency, the lower the distortion due to aliasing but the higher the data rate that must be transmitted. The higher the data rate, the wider the bandwidth occupied by the signal. The job of the system engineer, defining a standard for short-wave broadcasting, is to determine how low the aliasing distortion must be to not be objectionable to a critical ear and only sample at a rate necessary to achieve that level of distortion.

The filtered analog energy flows into the sample and hold circuit. Here the analog voltage is captured at approximately two instants during each cycle of the highest analog frequency. This level is passed to the analog to digital (A/D) converter where the voltage level is converted into a digital word whose numerical value represents the voltage level. The A/D converter must do its thing within .05 milliseconds assuming a 20 kHz sample rate. It then dumps the original analog level and gets ready to process the next sample.

The sampling process also introduces another form of distortion called quantization noise. Lets say your original analog signal is limited to 1 volt peak-to-peak. If the sampling circuit measures the analog voltage at the instant of the sample to an accuracy of one millivolt, there will be 1001 discrete levels which the sampler output can take. The actual signal is slightly different from the sampled level due to the rounding-off process that expresses the voltage as one of

1001 discrete levels. This difference is constitutes an error and thus introduces noise into the signal. This noise sets the signal to noise floor of the digital transmission system. No matter how strong the signal is or how error-free the transmission path, the signal to noise ratio will never get any better than the level determined by the quantization noise.

The finer the levels to which we resolve the sampled signal, the lower the quantization noise. But here again the system designer is faced with a trade-off. The more levels there are, the more bits are required to represent these levels. Up goes the data rate and the bandwidth necessary to transmit the signal. Some compression schemes provide finer resolution at lower levels and coarser resolution at higher levels. Quantization noise is reduced when the signal is low in amplitude and high when the signal amplitude is high. The higher noise is not as noticeable at high levels. Such compression techniques have the potential to reduce the bandwidth that might otherwise be required.

So the short-wave digital system designer must decide what is the best signal-to-noise ratio required by a critical listener and choose the number of quantization levels accordingly. Again the choice is a compromise between fidelity and occupied bandwidth.

At the receiver the reverse process occurs. The digital bits are converted into one of 1001 analog voltage levels. The analog voltage changes twice in each cycle of the highest frequency. A low pass filter with a cutoff of 10 kHz removes unwanted products of the detection process and smooths the output waveform so it sounds like the original analog input signal. A high pass filter that cuts off below a chosen frequency may also be used to remove aliasing distortion products at the expense of low frequency audio response. The nice thing about digital receivers is that they lend themselves to large scale integrated circuits which can greatly reduce receiver cost and size.

Next time we will look at how the transmission channel affects the performance of a digital communications link. Until then stay tuned.



# Listener's Notebook

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Albany, NY 12201-0888  
FAX: (518) 453-0864  
Internet: alcue@albany.net

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**AFGHANISTAN** 7200 *Radio Voice of Shari'ah of Kandahar Province* reportedly began broadcasting from 16 September, 0230-0345. (14-Sep/Radio Voice of Shari'ah/BBCM/DSWCI DX Window/Krone-DK)

**ALGERIA/WESTERN SAHARA** *National Radio of the Saharan Arab Democratic Republic* via ALG SW facilities observed on 11610 kHz s/on at 1800. Observed during holiday in MRC. Addr: Directeur d'Information, Polisario Front, BP 10, El-Mouradia, 16000 Alger, Algeria. (Leupold-FRG/DX Telegramm/7-September/BCDX/EDXP/Padula-AUS)

**ANGOLA** 5985 *VORGAN* 2056 Portuguese talk, slow vocal ballad, simple "VORGAN" ID at 2100; time check at 2103 and off with march/anthem "N'Kosi Sikele i Afrika" (thanks to Vashek Korinek for identifying this) at 2105. Solid signal most days, but audio is somewhat boomy and lacking in characteristic *VORGAN* brilliance. Also, programming is noticeably more subdued than before. (18-Sep/Hill-MA)

7245 *R. Nacional de Angola*, 2240, //4950 both very strong with Musical prog 2248 ID "Radio Nacional de Angola" followed by advertisements and ID: "Radio Nacional" 2301 ID and Journal (6-Sep/Vaghjee/DSWCI DX Window/Krone-DK) Completely covered by R. Free Europe here [in Europe] on 7245, 4950 audible. (Krone-DK/DSWCI DX Window/Krone-DK)

**ARGENTINA** *RAE, Radiodifusion Argentina al Exterior*, new schedule from 1st October:

0000-0200	Portuguese	11710
0200-0300	English	11710
0330-0400	French	11710
1000-1200	Japanese	11710
1200-1400	Spanish	11710
1800-1900	English	15345
1900-2000	Italian	15345
2000-2100	French	15345
2100-2200	German	15345
2200-2400	Spanish	9690 15345

Multi-language programs air from Mo-Fri, with relays of LRA1 Radio Nacional Buenos Aires programming on weekends. (Barrera-ARG)

8098L LR5 *La Red*; Buenos Aires, 1020-1200, (f/out) fair signal. 1033 promo from the government of Buenos Aires, announcement of the morning newscast "Formulando," then mx, then ID "Desde Buenos Aires

... *La Red*, la radio del deporte." (31-Aug/Nozaki-JPN)

8098L LS5 *Radio Rivadavia*; Buenos Aires; 0900-1022\*, at 1000 news bulletin "El Rotativo del Aire". Canned ID "Transmite LS5 Radio Rivadavia 630kHz desde Buenos Aires, Republica Argentina." (6-Sep/Nozaki-JPN)

8098.0L *Radio Continental*, 0558-0820, Spanish program of news and music, seemingly 24h now, fading out around 0830 (18-Sep/Kuhl-FRG/DSWCI DX Window/Krone-DK)

13365.0L, Unid feeder, 2025, typical Spanish language program of Buenos Aires FM station relayed on shortwave; at the same time telephony on USB; all very weak despite RAE powerhouse today on 15345v; the good old times of late openings are starting their come back, thanks to the new solar cycle (11-Sep/Kuhl-FRG/DSWCI DX Window/Krone-DK)

**AUSTRALIA** Let's try again with a printed schedule from *Radio Australia*, this one dated 25-August:

0000-0100	English	9660	12080	13605	13755
		15510	17750	17795	
0000-0100	Vietnamese	15415			
0100-0200	English	9660	12080	13605	13755
		15415	15510	17750	17795
0200-0300	English	9660	12080	13605	15240
		15415	15510	17750	17795
0300-0400	English	9660	12080	13605	15240
		15415	15510	17750	17795
0400-0500	Chinese	15415	17750		
0400-0500	English	9660	12080	13605	15240
		15510	17795		
0500-0600	English	9660	12080	13605	15240
		15510	17795		
0500-0600	Khmer	15415	17750		
0600-0700	English	9660	12080	11880	13605
		15240	15415	15510	17750
0700-0800	English	9660	11880	12080	13605
		15240	15415	15510	17750
0800-0830	English	5995	9580	9710	11880
		15415	15510	17750	
0830-0900	English	5995	6080	9580	9710
		15415	15510	17750	
0830-1100	Indonesian	9770			
0900-1000	English	6080	9580	11880	
0900-1200	TokPisin	5870	5995	9710	
1000-1100	English	6080	9580	11880	

1100-1200	English	6080	9580
1100-1330	Chinese	9435	11880
1200-1300	English	5870	6080 9415 9580
1300-1400	English	5870	5995 6080 9415
1330-1330	English	5870	599 6080 9415 11660
1330-1500	Vietnamese	9435	
1400-1430	English	5870	5995 6080 9415 11660
1430-1500	English	5870	5995 6080 9415 9435 11660
1500-1600	English	5870	5995 6080 9415 9435 11660
1600-1700	English	5870	5995 6080 9415 9435 11660
1700-1800	English	5870	5995 6080 9415 9435 11880
1800-1900	English	5995	6080 7240 9415 9435 11880
1900-2000	English	5995	6080 7240 9415 9435 11880
2000-2100	English	5995	9415 9435 11880
2000-2100	TokPisin	6080	7240
2100-2130	English	5995	7240 9415 9435 9660 11880 12080 17795
2130-2200	English	7240	9435 9660 11695 12080 13755 17795
2130-2400	Indonesian	15415	
2200-2300	Chinese	15240	
2200-2300	English	9660	11695 13755 15510 17795
2300-2400	English	9660	12080 13755 15510 17795
2300-2400	Khmer	15240	
2300-2400	Vietnamese	11695	

The weekend sports program "Grandstand" is broadcast on English frequencies from 0200-0800 and 0300-0800 UT Saturdays on 9660, 12080, 15240, 15510 and 17750 kHz. (Fraser-MA)

**AZERBAIJAN** 9677.2, *Voice of Justice*, \*1503-1537\*, \*program in local language with news, definite IDs, and politics; still kind of difficult to read but strong signal. Not noted 11-Sep. (4-Sep/Kuhl-FRG/DSWCI DX Window/Krone-DK)

**BELARUS** Some changes of *Radio Mayak* SSB relays were made at the beginning of September. Here is a current monitoring schedule from Sep 15: 0300-1500 4982, 1200-1400 4855, 1500-0300 2382 and 3355. There are frequent breaks and switching from USB to LSB from time to time (Timofeyev-RUS/NERRS Monitoring/DSWCI DX Window/Krone-DK)

**BELGIUM** Today (Sept 20) I was at the *RVI* open day and I was able to gather some news: Spanish and Arabic transmissions will be eliminated, with French and German reduced to weekends only. Personnel will drop from 47 to 32. The listeners club will be abolished. There will be no more monthly QSL's and you can get only one QSL per year. Frequency usage via relay-transmitters facilities in foreign countries (for Dutch

language programs only) will be as follows:

0430-0500	6120-Bonaire
1000-1030	15145-Madagascar
1200-1230	6170-Petropavlovsk 13795-Tashkent 15120-Bonaire
1700-1730	7255-Juelich 11680-Juelich
1730-1800	11680-Juelich
1900-1930	5910-Juelich 5960-Juelich
1930-2000	5910-Juelich
2300-2325	9555-Bonaire
(Schotmans-BEL/DSWCI DX Window/Krone-DK)	

**BENIN** 5025 *Radio TV Benin*; Parakou, Sep 1, 2043 African Music. Weak and at 2050 covered by Uganda-5026. 2101 Uganda s/off and xmtr left on, but Parakou again audible. (1-Sep/Vaghjee-MAU/DSWCI DX Window/Krone-DK)

## BOLIVIA

4200.6 *Radio Nacional de Bolivia* at 0159 with folk music and short announcements by M in Aymara. At 0200: vibraphone and the following ID in Spanish: "Usted sintoniza a CP3, 1390 KHz, Radio Nacional, desde la Paz, Republica de Bolivia." (23-Sep/Nigro-URU/Nordic SW Center "Hotnews"). If it is Radio Nacional from La Paz, it should be noted that this is not a government owned station, but rather a privately owned commercial station. Bolivia is unusual in that stations named "Radio Nacional" are privately-owned. Others that may be familiar to DXers are Radio Nacional de Huanuni, which is owned by a miners' union, and Radio Nacional in Cochabamba, which is commercial. Radio Nacional de La Paz did use shortwave many, many years ago, 4815 if I recall correctly. I logged them once, back around the early 1970s, I believe. I visited the station when I was in La Paz in 1985. I remember it being a very run-down place and that the facilities were filled with boxes and piles of papers everywhere to the extent that it was difficult to move around. I waited over an hour to talk to the manager, but he never got off the phone, so I never got my QSL. This was easily the least-professional station I ever visited in a LAm capital city. Bolivia's government-owned station is Radio Illimani, named after the huge mountain that overlooks La Paz. (24-Sep/Moore-IA/Nordic SW Center "Hotnews")

4552.33 *Radiodifusoras Tropico*, Trinidad; 1024 f w/bolero. (30-Aug/Nozaki-JPN)

4599.29 *Radio Emisora Villamontes*; 1007 p w/program "Amanecer Chaqueno" (30-Aug/Nozaki-JPN)

4964.98 *Radio Juan XXIII*, San Ignacio de Velasco; 1002-1007 f w/mx carnaval boliviana. (30-

- Aug/Nozaki-JPN)  
 6014.8 **R. El Mundo**; Santa Cruz, 2213-2230, LA music, W speaker with short announcements in Spanish, canned ID at 2227 UTC. (18-Sep/Veldhuis/DSWCI DX Window/Krone-DK)  
 6134.98 **Radio Santa Cruz**; 0940-0955 good signal, musica camba and M talk. (30-Aug/Nozaki-JPN)

**Radio Mosoj Chaski** will go on the air from Cochabamba as soon as it acquires a license. Studio construction is complete, and a programming team has moved in. The 10-kW station [shortwave? mediumwave? - AQ] has been delayed over two years while the government shut down its telecommunications department and rewrote the laws. After the new laws were implemented, new applications were held back until illegal stations were brought into line. The station will be operated by SIM (Sudan Interior Mission) (Field-MI) [Meaning it will be a religious broadcaster - AQ]

#### BRAZIL

- 4765.0 **R. Rural**; Santarem, 0235-0255, fair with music and IDs. (21-Sep/Krone-DK/DSWCI DX Window)  
 4785.05 **R. Caiari**, Porto Velho, 0340-0350, ongoing talk in by M in PP, possible ID at 0350, then excited talk continued. Listed 0400\* and was gone at 0402 recheck. Weak-fair but quite clear. (26-Aug/Clark-CAN)  
 4915.0 **Radio Goiania**, Uin 0045 with music, some announcements, very nice ID atop the hour at 0100. Still good 2 hrs later. (23-Sep/Sundstrom-NJ)

**BYELORUSSIA** 6081 **R. Byelorussia** (p), 1310-1330, long talk by M then by W in language sounded like Russian. Weak to fair. (4-Sep/Vaghjee-MAU/DSWCI DX Window/Krone-DK)

**CHAD** 6165.0, **Radiodiffusion Nationale Tchadienne**, N'Djamena, 1957, heard for 3 minutes, before CRI began a program via Switzerland. African sounding music, M speaker in French. Presumed it was them, but no ID heard. Checked 4904.5 kHz at 2019, where the station was not heard. Later got E-mail from Jay Novello, who heard ID before S/off at 2201 UTC. (2-Sep/Veldhuis-HOL/DSWCI DX Window/Krone-DK) but back on 4904.5 agn when checked next evening 1755 (Krone-DK/DSWCI DX Window)

**CHINA CRI** inaugurated a new Xinjiang transmitter site for external broadcasts on 29 August. Since then, a lot of DXers worldwide, like Bob Padula, Noel Green and Victor Goonetilleke, noted increased usage of more SW channels by CRI Beijing with a superb powerful signal, and audiowise a very clean signal quality. Freed

some SW stations in mainland China to use for jamming transmissions against VoA and RFA broadcasts. [Bueschel-FRG/WWDXC Top News)

4915 **Guangxi PBS**, Nanning, 1154-1230, dialect, Chinese mx, talks, 1200 ID, TA, at 1201 Beijing relay, nx reports, ID in Chinese now. //2340 2415 4800 4850 4975 4990 5020 5320 6750 6840 6890 7225 7505 7770 7935 9062 9080 9290 9380 kHz. Around 1225 UTC a short piece of jamming on 9080 kHz. (24-Aug/Schulze-PHL/DSWCI DX Window/Krone-DK)

6034.8v **Yunnan BS**; Kunming, 1230-1259\*, pres. Vietnamese program, W talks. Talks about VTN, 1246 Vietnamese program, muffled audio. (24-Aug/Schulze-PHL/DSWCI DX Window/Krone-DK)

6936.64 **Yunnan PBS** Minority Service; Kunming, 1110, M and W talking in presumed Minority language, incidental music. Faded below QRN by 1130. Listed \*1050. (4-Sep/Novello-NC)

7194.9 **Xinjiang PBS** Uighur Service 2318 Exotic music drama with M and W vocals, drums and other percussion, brief narrative announcement by W between each selection. Not positive of language, but it was nontonal and presumably Uighur as scheduled. Followed past 2345. Fairly strong, though choppy and echoey; extremely poor and barely readable on // 4734.9. (21-Sep/Hill-MA)

**CHINA - TAIWAN** **Voice of Free China** VOFC will change its name to "Taipei Radio International" from Jan. 1st, 1998. (Yamada & Yamashita - JPN/DSWCI DX Window/Krone-DK)

The **Voice of Asia** is part of the overseas division of the Broadcasting Corporation of China (BCC). The BCC operates two separate external radio services: 1. Voice of Free China, the main external service - see schedule last month's Journal. 2. Voice of Asia, which is aimed at listeners in mainland China and southeast Asia:

0500-0700 Chinese	7285
0700-1100 Chinese	9280
0800-0900 Cantonese	7445
0900-1000 Hakka	7285
1100-1200 English	7445
1200-1300 Indonesian	7445
1300-1445 Chinese	7445
1450-1500 Chinese	7445
1500-1600 Thai	7445
1600-1700 Indonesian	7445

(BBCM)

**CLANDESTINE - AFRICA** Do we have a fourth clandestine now? UTC Sunday Sept 14 but not since, Ivan Grishin heard after Germany's relay of Lithuania on 5910 at 0030-0100 another half hour until 0130

identified as *Voice of New Nigeria*, talking about corrupt regime, music and vernacular, with P.O. Box in Boston, not sure if same one announced by V. of Free Nigeria, still Sat 1900 on 11680. Maybe for exiles in NAM, on this beam, and a bit late for Nigeria itself (Hauser/World Of Radio/DSWCI DX Window/Krone-DK) On 25 September, immediately following Radio Vilnius with no transmitter break and no detectable change in strength, Radio New Nigeria opened in English, subtitled *Voice of the Nigerian Advocacy Group for Democracy and Human Rights*. (Hauser-OK) E-mail from Maureen Gold says this started June 12, 1997! (But apparently no one in the DX world noticed.) Schedule is now To Af Sat 0600-0629 on 11995, NAM UT Sun 0100 on 5910, new freq from Sept 6, doesn't say what the old one was; and CEU Sun 1500-1529 on 6175, no sites specified but probably all Germany. She says their website will open within a week, <http://www.nagdr.com>, and the other E-mail address is: [radioNNig@aol.com](mailto:radioNNig@aol.com) (Hauser-OK/World of Radio)

**CLANDESTINE - MIDEAST** The *Voice of Independent Kurdistan* [Kurdish: Aira Dengi Kurdistanî Sarbakhoya; Turkish: Burasi Radyo Kurdistanî Sarbakh] schedule:  
0400-0530 Kurdish 6205v  
1400-1530 Kurdish 6205v  
(BBCM)

7050 *Svobodnaya Gruzya* (Free Georgia), 1920, clandestine with programs in Georgian language was noted here. IS is popular Georgian song "Suliko". Fair signal in the European part of Russia. (31-Aug/Voice of Russia/Klub DX/Pashkevich/DSWCI DX Window/Krone-DK)

3912.10 *Voice of the People*, 1920-2040, local pop songs, announcements, reports (31-Aug/Kuhl-FRG/DSWCI DX Window/Krone-DK)

4065.0 *Voice of Iraqi Kurdistan*, 1927-1932, Arabic program about politics in ME, also ID (31-Aug/Kuhl-FRG/DSWCI DX Window/Krone-DK)

4080.0 *Voice of the People of Kurdistan*, 1933-1938\*, Kurdish program, ID & off; at later re-check: 2050-2115\*, speech in Kurdish, ID & off; strong as always (31-Aug/Kuhl-FRG/DSWCI DX Window/Krone-DK)

7010 *V.O. the Communist Party of Iraqi Kurdistan*, \*1555-1650\*, orchestral quiet music into Kurdish ID at 1600 "Era Ezgay Azadiya, Dengi hizbi Shuyu'i Kurdistanî Iraqa." (1-Sep/Krone-DK/DSWCI DX Window)

7010 *V.O. the Iraqi People*, 1815-1840\*, //3945.2 kHz. ID went "Huna sawt al-sha'b al-Iraq, sawt al-Dimuqratiyah wa al-Taqaddum, idha't al-Hizb al-Shuju'i al-Iraqi" (i.e. "This is the Voice of the Iraqi People, the voice of democracy and progress, the radio

of the Iraqi Communist Party.") (1-Sep/Krone-DK/DSWCI DX Window)

**COLOMBIA 5955 La V de los Centauros** with local news broadcast from tune in 1253 to 1300 s/off. Apart from this [new] segment, the station is only on the air, weekdays, at approx. 2100-2300. Has been suffering from "chronic" overmodulation for over 2 years; now OK. (26-Aug/Klemetz-COL/Dateline Bogota)

6062.3 is where *Colmundo Bogota* is to be found as of Sept 17. Seems to be having some transmitter problems from time to time. (Klemetz-COL/Dateline Bogota)

H6201.1 is an unid parish broadcaster heard daily between approx. 2330 and 0100. Not on the air in the morning. Programming consists of mass and occasional "informacion pastoral," during which, one night, reference was made to "our bishop Flavio Calle." If a harmonic, fundamental would be 1550, which is a fuy many Antioquian parish broadcasters use. Signal strength is fair-to-good, and I can attest to the fact that they go on the air and leave the air without any stn identification whatsoever. (26-Aug/Klemetz-COL/Dateline Bogota) The unid parish broadcaster is still going strong, weekdays 2320-2400 approx., Sundays until 0100 approx. Believed to be from Granada, Antioquia. (Klemetz)

**CONGO - BRAZZAVILLE 5985 R. TV Congolaise**; Brazzaville, 1600, just after s/off of R. Myanmar, Radio Congo has been heard with a radio play in French followed by a song on Moboutou 1614 Religious Prg in African lang. weak (14-Sep/Vaghjee/DSWCI DX Window/Krone-DK)

**CONGO - DEMOCRATIC REPUBLIC 5066.33 La Voix du Congo Dem.**, Bunia, 1710-1804, FF, faded in from 1710, local mx, tk, tent. ID at 1800, anthem - heavy drums, close 24232 (14-Sep/Phillips-UK/DSWCI DX Window/Krone-DK)

**COSTA RICA** Tetsuya Hirahara and others may have a long wait for *Estereo 88.3* to start a new SW on 6075. The applicant for 88.3 got a grant in only two weeks as a political favor, ahead of a hundred others waiting for any FM frequency, provoking a huge outcry by those who were passed over. If a profitable FM does not happen, it is unlikely the SW would either. Another complication is that RFPI itself is already using 88.3 (Latham-RFPI/World of Radio/Hauser)

**COTE D'IVOIRE Radio ELVA** in Abidjan is waiting for a license to broadcast. 11 people are taking part in an advanced training seminar to staff the new station, and initial broadcasting could begin within eight weeks of receiving the license. It's not known whether this will be a shortwave or mediumwave station. (Field-MI)

**CROATIA** [Scratch last month's schedule in LN! - AQ] **Croatian Radio** Zagreb vanished lately from previous German relay frequencies, so I checked their website. As before, no sites specified, but here's their new schedule effective Sept. 7:

0100-0300 5890

0300-0500 5895

1130-2000 13830

2000-2200 5850 9595 11635

2300-0100 5890

English news is M-F at 0603, 0803, 1203, 2103; Sat/Sun 0703, 1203, 2103 (Hauser-OK/World of Radio)

**CZECH REPUBLIC** 6295 **Radio Prague**, 0220, W in SS talking about Leonard Bernstein. Badly overmodulated. Don't know whether this is a spur or new freq. //6200 had much better modulation and strength. (2-Sep/McDonough-MA/DSWCI DX Window/Krone-DK)

**R. Prague** may be fighting for its life; previous reports indicate a new company is being sought to operate the external service. Sept. 25 at 1307 on 13580, I caught the tail end of an announcement asking listeners in solidarity with Radio Prague to write to the Minister of Foreign Affairs (Hauser-OK)

**ECUADOR** 5060.19 **R. Nacional Progreso**, Loja, 0100+ noted back with M harmony vocals with high-pitched, plucked strings; other selections sounded like Andean polkas. M DJ with TC, numerous IDs "Esta es Radiodifusora Nacional Progreso, transmitiendo desde Loja...", another ID just as "Radio Progreso." (4-Sep/Novello-NC)

**ERITREA** 4999.95 **Voice of the Broad Masses of Eritrea**, 1750-1815, for once fair//7085 which was only a bit stronger. (3-Sep/Krone-DK/DSWCI DX Window)

**ETHIOPIA** 9704 **Radio Ethiopia**, 1458 M speaker in Amharic with mention of Ethiopia followed by IS with electronic keyboard, gong and at 1500 Amharic with clear mentioning of Ethiopia. 24333 (21-Sep/Rooy-HOL/DSWCI DX Window/Krone-DK)

**FRANCE** 6897-6895v **RFI**, 0645-0757\*, full AM, very unstable carrier, information & lots of IDs; mixing product at transmitter site? Checked on two different receivers/ antennas, so it was real; frequency slowly moving downwards: 2 kHz per hour. (5-Sep/Kuhl-FRG/DSWCI DX Window/Krone-DK)

**GABON** Libreville noted with excellent strength at 2301, strongest signal on the band on 4777 kHz. Sounds like 100 kw. (Lobdell/NU/WWDXC Top News/Bueschel-FRG) Acc to FBIS, the "**Voice of Gabon**" can now be heard through facilities of a new 100 kW SW transmitter. Opened by the Pres. of the country in spl. ceremonies at which France's Sec. of State for Foreign Affairs and Cooperation, M. Yvon

Borges said that the completion of the transmitter "symbolizes France's faith in the future of Gabon and will enable your radio to be heard far outside your borders." Beautiful signal at 0515. Never so strong before. (31-Aug/Calkin-CAN/NU/WWDXC Top News/Bueschel-FRG)

**GEORGIA IBC**, Dusheti (presumed), 12110.00, 1305 carrier on & off, but at 1305 UTC a short peace of South Asian folk music was carried, then silent carrier and off; re-checked at 1338 UTC, playing folk music, M speaker with clear ID: "IBC, Tamil." W talks, good signal but a little more fading. (28-Aug/Schaay-HOL)

**GERMANY DW** schedule changes: Delete German on 15490 [x11615] 1000-1400 UTC from Krasnodar?-RUS to SoAS/AUS. German service heard testing on new freq 11870 kHz at 1200-1400 UTC.

Transmissions NOT from German soil:

0000-0100	Russian	11975-Vladivost.
0100-0150	Bengali	9815-Novosibir.
0200-0250	English	7355-Samara
1000-1050	Chinese	7390-Novosibir.
1000-1050	Chinese	5895-Petropavl.
1200-1230	Bosnian	15470-Sines
1230-1300	Croatian	15470-Sines
1230-1300	Japanese	5925-Irkutsk
1300-1330	Macedon.	15470-Sines
1330-1355	Chinese	7390-Novosibir.
1330-1355	Chinese	15210-Wertachtal?
1330-1430	Serbian	15470-Sines
1430-1515	Urdu	7305-Novosibir.
1500-1900	Russian	9800-Samara
1515-1600	Hindi	7305-Novosibir.
1600-1650	English	7305-Novosibir.
1900-2000	Romanian	6000-Samara
1900-2100	Russian	7395-Irkutsk
2100-2150	English	9765-Wertachtal

(8-Sep/DW-plus magazine Oct 1997/PanView-BUL/WWDXC Top News/Bueschel-FRG)

**Universelles Leben**, via Germany (via Lithuania listed in last month's LN):

1945-2015	Croatian	5890 Fr
1945-2015	English	5890 Tu
1945-2015	German	5890 Su/Mo/Th
1945-2015	Italian	5890 We
1945-2015	Spanish	5890 Sa

(BBCM)

Nightly checks of Deutsche Telekom's 5910 at 0100, besides WCRI on Thu and R. New Nigeria on Sun, have turned up another broadcast in an unidentified language mentioning Ethiopia, UT Sat Sept 20 only at 0100-0200; another clandestine service? Needs to be identified. (Grishin-CA/World of Radio/Hauser)

## INDIA

- 3345 *AIR Jaipur*, 0054 subcontinental vocal by W at weak level. The only audible AIR signal on 90 mb. (25-Aug/Clark-CAN)
- 4790 *AIR Chennai*, 0025-0035 Tamil songs, into talk by M at 0035. Poor-fair; at times badly QRM'd by ute. (31-Aug/Clark-CAN)
- 4800 *AIR Hyderabad*, 0047-0049 subcontinental chanting/vocal. Fair and surprisingly easier than usual to separate (using USB) from the low side LAm. (25-Aug/Clark-CAN)
- 5010 *AIR Thiru'puram*, 0052 noted in passing at good level with sub-continental vocal by M. (25-Aug/Clark-CAN)

## INDONESIA

- 2376.0 *RRI Pekanbaru* 2300 Jakarta news relay. 2329 IS. 2330 local news entitled "Warta Berita Daerah". 2342 ID by M as "Inilah Radio Republik Indonesia Pekanbaru, Program Dua", then local pops. This frequency was harmonic of 1188kHz X 2. This was heard at Pekanbaru, Riau, Indonesia. (23-Aug/Yamada-JPN/Jembatan DX)
- 2580.5 *RPDT2 Timor Tengah Selatan* (presumed). 1251 soft talking lady. 1330 nx after IS, finally 1358\*. Very low level, so no way of IDing, but fits old schedule well. (13-Sep/Foster/Numero Uno/Jembatan DX/Yamada)
- 2695.0 *RPDT2 Ende* s/off between 1453 and 1458. (13-Sep/Foster/Numero Uno/Jembatan DX/Yamada)
- 2899.3 *RPDT2 Ngada* 1501\*. Saturday s/off. (13-Sep/Foster/Numero Uno/Jembatan DX/Yamada)
- 2960.2 *RPDT2 Manggarai* 1504, running late on Saturday with Indopops, eventually 1510\*. (13-Sep/Foster/Numero Uno/Jembatan DX/Yamada)
- 3132v *RSPDT2 Halmahera Tengah* (presumed) 1249 on 3132.7 with talk. By 1418, on 3134.4, and running late (Saturday) at 1509 on 3132.0. (13-Sep/Foster/Numero Uno/Jembatan DX/Yamada)
- 3182.0 Unidentified, 1245 M&W discussion, but rotten modulation. Gone much later at 1515 check. (13-Sep/Foster/Numero Uno/Jembatan DX/Yamada)
- 3224.8 *RRI Tanjung Pinang* 1124 Islamic music. 1130 time pips then local news entitled "Warta Berita Daerah" by W. ID at 1146 as "Inilah Radio Republik Indonesia Tanjung Pinang", then dangdut music. 1200 Jakarta news relay. Suddenly signed off at 1214. Poor. (13-Sep/Yamada-JPN/Jembatan DX)
- 3225.0 *RRI Tanjung Pinang* 1605 wayang kulit. Although I tried again at 1650, the signal was already signed off. Usually signs off at

1215. This was heard at Pekanbaru, Riau, Indonesia. (23-Aug/Yamada-JPN/Jembatan DX)
- 3231.9 *RRI Bukittinggi* 1550-1558. ID, talks, native music. (22-Aug/Yamada-JPN/Jembatan DX)
- 3232.0 *RRI Bukittinggi* 1025 "Angkatan Bersenjata," 1028 ID by W as "Radio Republik Indonesia Bukittinggi" then IS. 1030 local news. This was heard at Pekanbaru, Riau, Indonesia. (23-Aug/Yamada-JPN/Jembatan DX) 1420 Dangdut music. Slightly up its frequency. Poor. (9-Sep/Yamada-JPN/Jembatan DX)
- 3249.8 *RRI Banjarmasin* 1435-1450. songs by M singer. At 1440 ID by M and CM. (22-Aug/Schulze-PHL/Jembatan DX/Yamada) 1405 local ballad; Pyongyang off temporarily, so nice and clear for a change. (9-Sep/Foster/Numero Uno/Jembatan DX/Yamada)
- 3355.0 *RRI Jambi* 2150 Religious songs, 2200 ID, s/off. Fair reception (12-Sep/Vaghjee-MAU/DX Window/Jembatan DX/Yamada)
- 3355.36 *RRI Sumenep* 1720-1740 f w/romantic lagu-lagu. ID 1738 as "Inilah Radio Republik Indonesia Sumenep." (30-Aug/Nozaki-JPN)
- 3396.0 *RRI Tanjungkarang* (presumed) 1915-1933, in BI with radio drama/ play, needs LSB due to het QRM, no ID heard and was almost wiped out by a station signing on at 1925 (suspect a PNG station) (30-Aug/Keckes/DX Window/Jembatan DX/Yamada)
- 3564.0 *RRI Pekanbaru* Heard at 2300. //1188kHz, 2376kHz(1188 X2), and 88.0MHz. This was heard at Pekanbaru, Riau, Indonesia. (23-Aug/Yamada-JPN/Jembatan DX)
- 3904.9 *RRI Merauke* 1020-1031. popular music. CM "Radio Journal Jakarta", pop music. 1031 ID by W. (24-Aug/Schulze-PHL/Jembatan DX/Yamada)
- 3959.72 *RRI Palu* 1908, with SCI, fair and early to hear this. (27-Aug/Norrie/DX Window/Jembatan DX/Yamada)
- 3996.1 *RRI Kendari* (presumed) 1712 local pops and M talk. Poor. (7-Sep/Yamada-JPN/Jembatan DX)
- 4000.1 *RRI Kendari* 1324 Local pops. 1400 IS then, local news by M. Fair. (6-Sep/Yamada-JPN/Jembatan DX)
- 4003.2 *RRI Padang* 1630, was logged with some typical musicplay (18-Sep/Lindenthal/DSWCI DX Window/Krone-DK)
- 4606.40 *RRI Serui* 1005-1012 f, W vocal lagu. (30-Aug/Nozaki-JPN)
- 4696.90 *RRI Surabaya*; 1012-1015 p, lagu popular. (30-Aug/Nozaki-JPN)

- 4777.0 **RRI Jakarta** Kebayoran.1415 M talk and local pops. In parallel with 9565 and 11785, but 4777.0 was slightly earlier than other 2 frequencies. 4777.0 was heard after short absence and slightly down from old 4777.1. (10-Sep/Yamada-JPN/Jembatan DX)
- 4925.0 **RRI Jambi** English pops including "You Are My Love" at 1613. 1629 IS was heard and followed to local news entitled "Warta Berita Daerah". At 1641 ID was heard as "Inilah Programa Satu, Radio Republik Indonesia Jambi", then kroncong music including "Bengawan Solo." Fair signal. Usually from 1300 to 1700 has used on 4927, but recently often operates on this frequency instead of 4927. (16-Sep/Yamada-JPN/Jembatan DX)
- 5040.0 **RRI Pekanbaru** Dangdut music by Rhoma Irama at 1545. Jakarta news relay entitled "Berita Berita Asean" at 1600 (SCI was not heard before news). Closing announcement by M including ID as "Saudara...bersama kami Radio Republik Indonesia Pekanbaru" at 1606, then signed off. Fair. (21-Sep/Yamada-JPN/Jembatan DX)
- 5059.10 **RRI Yogyakarta** 1507-1517\*, M speaker in BI with warta berita followed by march music with indonesian M songs and at 1516 love ambon tune, M speaker in BI and s/off at 1517, //11785. (21-Sep/Rooy/DSWCI DX Window/Krone-DK)
- 6153.3 **RRI Biak** 2135-2155. talks, popular music, pres. "Warta Berita Indonesia" till 2140. instrumental music. Weak. (18-Aug/Schulze-PHL/Jembatan DX/Yamada) 1410 telephone conversations and local pops. 1458 SCI. 1500 Jakarta news relay. Still heard at 1730. Poor. Recently the schedule is very variable. (6-Sep/Yamada-JPN/Jembatan DX) 1349 kroncong mx. Back after a short time of inactivity, but off again the next day. (9-Sep/Foster/Numero Uno/Jembatan DX/Yamada)
- 6188.8 **RRI Manokwari** 1205, carrier only detectable, but I'm fairly confident it was them. Replacing 3987 now in the 1015-1400 period. (28-Aug/Foster/Numero Uno/Jembatan DX/Yamada)
- 7173.2 **RRI Serui** 0835 Islamic music. 0855 reading of Holy Koran. 0904 Islamic talk then religious music. 0911 ID by M as "...bersama kami Radio Republik Indonesia Stasiun Serui." Suddenly signed off at 0915. Fair. (15-Sep/Yamada-JPN/Jembatan DX)
- 7234.4 **RRI Palu** 0814 audio just poking through. Haven't hrd unid. on 7241.5 since Aug 27. Could it have been Palu with some sort of fqy/time rearrangement? (6-Sep/Foster/Numero Uno/Jembatan DX/Yamada)
- 7241.5 Unidentified, 0850, the usual sort of Indo. prgm fare, but still don't know who they are. Continuing at 0930, but gone by 0945. Certainly not on the air daily. (27-Aug/Foster/Numero Uno/Jembatan DX/Yamada)
- 7341.5 **RRI Palu** 0915-1032. reports, popular music. At 1000 no relay of RRI Jakarta, evening prayers. 1032 ID by feamble, gamelan music. (18-19-Aug/Schulze-PHL/Jembatan DX/Yamada)
- 9565.0 **Voice of Indonesia** via Bonto Sunggu 0937 a one-day switching error saw them //usual 9525 and equally mistaken 9630 with Malay svc.Back to normal Programa Nasional I on 9565/9630 since then. (3-Sep/Foster/Numero Uno/Jembatan DX/Yamada)
- 9630.0 **RRI Jakarta** 1328-1457, //9565,11785 with ID's as "Programa Nasional Satu" (15-Sep/Timofeyev-RUS/NERRS Monitoring/DSWCI DX Window/Krone-DK)
- 9680.0 **RRI Jakarta** 0952 Programa Nasional 2 with educational prgm. Had been inactive in local eve for quite a while till now. //11750, 11885, 15150. (10-Sep/Foster/Numero Uno/Jembatan DX/Yamada)
- 3204, According to Mr. Oemar, a UTE DXer in Bandung, **RRI Bandung** 3204 kHz is out of order for almost 4 months. Mr. Idrus, the station manager said the transmitter is 'sick.' (Brata/DX Window/Jembatan DX/Yamada)
- RRI Jakarta** on 15125kHz is now heard at 0200-0900. (Yamada-JPN/Jembatan DX)
- Recently reported **RRI Jambi** 3355kHz was not heard in late August during a visit to Pekanbaru. I presume this is irregular broadcast. (Yamada-JPN/Jembatan DX)
- IRAQ Republic of Iraq Radio** (the main domestic service in Arabic from Baghdad) is currently heard:  
0900-1200 11785-11787v  
1400-1600 9715  
1900-2300 9755 11292
- Broadcasts by **Radio Iraq International** have been highly erratic for some time. This schedule only shows transmissions confirmed by recent monitoring observations. Target areas assumed. All times and frequencies are variable.
- |           |         |        |
|-----------|---------|--------|
| 0000-0300 | Arabic  | 11785v |
| 0300-0400 | English | 11785v |
| 1900-2000 | Arabic  | 11785v |
| 2000-2030 | French  | 11785v |
| 2030-2100 | English | 11785v |
- (BBCM + revisions per Schotmans-BEL/DSWCI DX Window/Krone-DK)

*Voice of the Masses* (a domestic/external service in Arabic) is heard on 9715 kHz from 0615-0900 approximately.

*Mother of Battles Radio*, Radio of All Arabs (Arabic: idha'at umm al-ma'arik, idha'atu kul al-arab) is a service of official Iraqi radio.

1600-1900 Arabic 9715  
(BBCM)

**ISRAEL** *Kol Israel* in Arabic observed 0600-1000 on 15480, but at 1200-2130 replaced by new 15280. (7-Sep/Bueschel-FRG/EDXP/Padula-AUS)

English schedule is now:

0500-0515 7465 9435

1130-1135 15650

1500-1530 15650 12080

1645-1700 15650 12080 9435

2000-2025 11605 9435 7465

(Rosenzweig/rec.radio.shortwave/Ogrizek/21-Sep/EDXP/Padula-AUS)

**JORDAN** Last year I found *Radio Jordan* 9830 producing symmetrical spurs on +/- 170 kHz: 9660 and 10000. Now there's an Arabic station on 9830, surely Jordan again. (1-Sep/Ludwig/DSWCI DX Window/Krone-DK) Heard at 2052, ID in Arabic 2055\* 10000/9830 (well under AWR in English)/9660. (2-Sep/Krone/DSWCI DX Window)

**KIRIBATI** 9809.93U *R. Kiribati*, 0523-0540, South Sea Island singing with harp type accompaniment, weak but distinctive, 5 second break at 0530 for TC? Alas I could not stay with it but had to get off to work. (1-Sep/Norrie-RSA/DSWCI DX Window/Krone-DK)

**LAOS** 6130.0 *Lao National Radio*, Vientiane, 2205-2220, news in local language, into local pop; surprisingly strong on clear channel (4-Sep/Kuhl-FRG/DSWCI DX Window/Krone-DK)

New 4690.9 [x4660] kHz *Lao National Radio Hou Phan* is active. Sign on at approx. 0955-1100\* UTC. Hill tribe mx, talks, native singing. Sign off with IS. Beware of similar format on nearby VTN regional stns. v6973.5 kHz Luang Prabang regularly, suffering signal level, relay/6130 [S=3] kHz at 1200 UTC. (24-27-Aug/Schulze-PHL/WWDXC Top News/Bueschel-FRG)

**MADAGASCAR** *Radio Malagasy* Director Mamy Rafenomanantsoa says their transmitters will be upgraded with some more powerful ones from Radio Netherlands. (Vaghjee-MAURITIUS)

Schedule of *Radio Nationale Malagasy* dated 4 Sep:

0300-0500 3140 5010

0500-1500 5010 6135 7155 9690

1500-1900 3140 5010

(Vaghjee-MAU/Hard Core DX)

3140 *R. Madagasikara* (t), 0302-0305, v/weak/noisy, //5009.6. (15-Sep/Clark-CAN/DSWCI DX Window/Krone-DK)

**MALDIVES** *Voice of Maldives* is still planning to return to shortwave, but not until the middle of next year with Australian aid. The frequency to be used has not been finalized yet, it would be most likely in the 25 meter band from 0600 to 2400 Maldives Time. This is per station personnel. (Vaghjee-MAURITIUS)

**MALI** Not only have the *CRI* Mali relay frequencies been missing since July, but now CRI has eliminated them from its closing frequency announcements as heard Aug 25. The big question is, what has happened to the Mali relay facilities? (Hauser-OK/World of Radio)

**MEXICO** *XERTA*, 4800.7, is still trying to get off the ground. As Ed Rausch advised me, they were back testing UT Sept 24, but I could barely pull an ID at 0145 from a signal weaker than usual against Radio Buenas Nuevas below and a much stronger carrier on 4804.7 or so; later checks indicated XERTA did not stay on all night this time; 4800.7 had a fine signal the next night at 0900 check in the clear, but no modulation! (Hauser-OK) noted at 0222 W ID "desde Mexico, XERTA....." and into lounge-jazz rendition of "Stormy Weather". Numerous and varied IDs, great signal, though plagued by weak het. (19-Sep/Novello-NC)

*Radio Mexico Int'l* 9705 has an English program at 0300-0315 called "Antena Radio Summary" consisting of news, cultural affairs and sports. Lots of IDs. Good strength on Sept. 17 but with a het. (Sellers-CAN)

**MONGOLIA** *Voice of Mongolia*, Khonkhor, 15170.00, 0859 interval signal, M and W speakers with ID in Russian, then into English: "Welcome to the Voice of Mongolia in English." (9-Sep/Schaay-HOL, per tip from Bueschel - BC-DX)

**MOROCCO** *Radio Mediterranee Internationale* (Medi 1) is a bilingual (French/Arabic) commercial radio station for listeners in the Maghreb. Schedule is 0500-0100 in Arabic/French on 9575. (BBCM)

**MOZAMBIQUE** 4930 *R. Mocambique*, reception is still poor, but noted w/ID at 2119, 2129 and 2000 as Emissao Interprovincial Maputo (18-Sep/Vaghjee-MAU/DSWCI DX Window/Krone-DK)

**MYANMAR** 5985 *R. Myanmar*, Yangon, 1510, main point to end the news -ID, empty economic development, followed by continuous 1950's western music, prog ended 1600 w/goodbyes by W. (14-Sep/Vaghjee-MAU/DSWCI DX Window/Krone-DK)

9730 *R. Myanmar* noted 0710-0730\* UTC, EE progr, internat mx, IS. Scheduled 0330(Sat/Sun 0230)-0730 UTC. (28-Aug/Schulze-PHL/WWDXC Top News/Bueschel-FRG)

6570 *Defence Forces Broadcasting Station* (p), 1110 presumed the one with fragile SEAs ballads and pop-type selections, M announcer. Hung in as late as 1210, but then lost to morning fading. (10-Sep/Novello-NC)

NEPAL 5005.04 *R. Nepal*, 0037-0039 Aug 25, domestic music with vocal by W. Weak but fairly clear, then promptly faded. Good carrier and tentative // on 7164.43 but only marginal audio. \* 0012-0025 Aug 26, perhaps best ever evening longpath level with instrumental IS, tone and several more notes to 0015 opening by W, then vocal. (25-Aug/Clark-CAN)

NEW ZEALAND Here's the schedule for *Radio New Zealand International*:

0000-0500 15115  
0500-0800 9795  
0800-1206 6100 Sa/Su  
0817-1206 6100 Mo-Fr  
1206-1650 6100 (occasional sports use)  
1650-1851 6145 Mo-Fr  
1852-1951 9875 Su-Th  
1952-2052 9875  
2052-2307 11735 Su-Th  
2059-2307 11735 Sa  
2107-2307 11735 Fr  
2307-0800 15115  
(BBCM)

NIGER 9704.2 *La Voix du Sahel*, 0259, s/on with short IS, Vernacular ID, IS, then pres. news. At 0305 usual type local songs. Fair (21-Sep/Krone-DK/DSWCI DX Window) Noted here in the clear at 0728 on 21-Sep (Quagliari-NY)

NORWAY Per Norwegian DX-News, *UKE-senderen* will be operating from 10 October 10 until 2 November 2. Test transmissions can be expected from 20 September onwards. ARK is licensed to run 1485 at 100w, 7215 at 1kW and FM at 100w. Check out ARK's homepage at <http://www.stud.ntnu.no/studorg/lalk/>. (Mjelde/Hard-Core-DX/DXW/24-Sep/EDXP/Padula-AUS)

OMAN Latest observed schedule of *Radio Oman* (Aug 21-23):

6085 0200-0400+  
6120 0200-0400+, 1800-2130  
7170 1400-1700  
7230 0200-0400+, +1200-2130  
9510 0700-1000  
9735 1600-2130  
11890 1000-1400  
15140 0800-1600

(Timofeyev-RUS/NERRS Monitoring/DXW/31-Aug/EDXP/Padula-AUS)

PAKISTAN 9608.08 *R. Pakistan*, 1605-1625, bad modulation, English news, some music, on & off, into local language; testing? (4-Sep/Kuhl-FRG/DSWCI DX Window/Krone-DK)

A revised *Radio Pakistan* freq schedule introduced on Aug 14th:

0330-0400 Gujarati 153251  
0800-1103 Urdu 15520 17835  
0900-0930 Indonesian 15625K 17540I  
1000-1030 Tamil 13665K 15330I  
1100-1145 Hindi 9520I 11775I 13665K  
1105-1120 EE slow nx 15520 17835  
1200-1245 Bangla 11970I 15624.8I  
1300-1345 Irani 9785I 11910I  
1330-1530 Urdu 15595vK  
1600-1630 EE ssn 9515I 11565I 6070I 7485K 9600I  
1615-1700 Hindi 6070I 7485K 9600I  
1700-1900 Urdu 11570 or 11580  
1730-1800 Turkish 7255K 9515K  
1800-1845 Arabic 7145I 9333.7v  
1930-2000 French 9585I 11570I  
(10-Sep/Green-UK/WWDXC Top News/Bueschel-FRG)

v6169.8 *Radio Pakistan* 1406 UTC in English with nx, also //9515 kHz. (10-Sep/Pashkevich-RUS/WWDXC Top News/Bueschel-FRG)

PAPUA NEW GUINEA

3205 *R. Sandaun*, 1055 definitely active, heard with W announcer giving R. Sandaun ID in passing during a rare pause in local QRN. (8-Sep/Novello-NC)  
3385 *R. East New Britain*, 1105 long talk by M, then W. Much stronger than 3205 at the same time. (8-Sep/Novello-NC)  
9675 *NBC Port Moresby*, 0750, & 0803-0804:30\* first noted fair and alone on channel with chatter by M in English. Brief news ending at 0803 re-tune, then into vocal music until carrier cut mid-song. Signal was improving with the approach of xmtr SS=0808. Suddenly up well on 4890 after about a 10 second intervening delay. (14-Sep/Clark-CAN/DSWCI DX Window/Krone-DK)

PERU

3250.8 *R. Comas Television*, Lima, new on shortwave, heard Aug 31 by Raimo Lonka at 0240. Announcing 1300 kHz and 3250 kHz. Audible here since then almost every night (Havukunnas/ DSWCI DX Window/Krone-DK) 1029-1105, mostly nonstop fast LA music with a few recorded

- echo IDs. (20-Sep/Lazarus/DSWCI DX Window/Krone-DK)
- 3329.35 **Radio Ondas del Huallaga**, Huanuco; 1040-1045 p w/program "Por las Rutas del Peru Profundo" with OA folklore. (30-Aug/Nozaki-JPN)
- 4549.44 **Radiodifusora Tropico**, Trinidad, Beni, 1020 tentatively the one with M droning on and on, mentioning Trinidad a few times. Only copied about 25% of his talk due to QRN. (20-Sep/Novello-NC)
- 4571.8v **R. Gotas de Oro**, Chiclayo, Lambayeque, 1035 pretty Andean fiddles and guitars, time checks by M DJ between most songs, canned echo "...Gotas de Oro!" insert. Carrier unstable, wobbling up and down 100 Hz. Had to keep retuning to keep signal intelligible. Competition from QRN and occasional car-alarm jammer. (20-Sep/Novello-NC)
- 4593.6 **R. Estacion X**, Yurimaguas, surprisingly back on the air. First noted Sept 9, 1038-1100-. Various canned ID's - including actual stn name - have been noted, but the most frequent one seems to say "En Yurimaguas solo hay una sola senal, 97.1". (9-Sep/Klemetz-COL/Dateline Bogota)
- 4855.58 **Radio La Hora**, Cusco; 1124 weak signal, drifting from 4855.54. (30-Aug/Nozaki-JPN)
- 4990.88 **Radio Ancash**, Huaraz; 1001 p w/program "Cushi Cushum" (30-Aug/Nozaki-JPN)
- 5046.2 Peruvian in the town of Abancay, around 1100, weak but in the clear, in Quechua and Spanish. No actual stn id noted - TTN has it as R. Integracion - but both mornings there was a clear reference to a company called "Suramericana de Radiodifusion" which is conducting a course in broadcasting techniques for "jovenes de ambos sexos" on the premises of "Inti Radio", which is located, they say, "en la gran avenida Seoane 377." (9-10-Sep/Klemetz-COL/Dateline Bogota)
- 5067.2 **Ondas del Suroriente(t)**, 0019 with cumbias etc. in "Noches bailables". Ads referred to Quillabamba, but I did not hear any stn ID. If it's them, it's a move from 5068.6. (9-Sep/Klemetz-COL/Dateline Bogota)
- 5271.6 Peruvian noted by Novello-NC, Aug 22, was heard here Aug 24, 25 and 27 from fade in around 2315 and way past 0100. The first two days progr was a relay of Lima pop music station "Once sesenta" (1160 kHz), slogan: "I-60, al rojo vivo", while on Aug 27 there was a downlink of Lima's RPP (R Programas del Per), which is all news. Not heard recently, but as my best antenna has been downed by a flying kite, I wouldn't swear the stn is off the air. Reception was on the whole rather poor. (27-Aug/Klemetz-
- COL/Dateline Bogota)
- 5323.59 **Radio Origen**, Huancavelica; 1120 vy poor signal, huayno and M talk. (30-Aug/Nozaki-JPN)
- 5497.94 **R. Lajas**, Chota, Cajamarca, tentative 0215+ M DJ with predominantly electronic and Euro-dance mx, some contemporary Latin vocals thrown into the mix. A couple of R. Lajas IDs in passing in between songs at about 0355. Peruvian anthem at signoff shortly thereafter. Surprisingly good for listed 250 watts. (5-Sep/Novello-NC)
- 5522.23 **Radio Sudamerica**, Cutervo; 1117-1152 *fp*, Latin-American folklore. At 1123 M ID "Radio Sudamerica" (30-Aug/Nozaki-JPN)
- 5629.82 **Radio Ilucan**, Cutervo; 0957-1020 f, many Cajamarca huayno with greetings and messages. (30-Aug/Nozaki-JPN)
- 5730.03 **Radio Santiago**, Puerto Galilea; 1106-1110 fair signal. ID "Transmite en 5730kHz banda internacional de 60 metros por Radio Santiago." (31-Aug/Nozaki-JPN)
- 5767.34 **Radio Master**, Moyobamba; drifted from 5767.15kHz. Noted at 1127-1152 p signal. OA folklore, cumbia peruana and saludos. (30-Aug/Nozaki-JPN)
- 6045.35 **Radio Santa Rosa**, Lima; 1203 p, Santa Misa (30-Aug/Nozaki-JPN)
- 6095.00 **Radio Nacional del Peru**, Lima; 1130 f, Angelus. (30-Aug/Nozaki-JPN)
- 6480.0 **R. Altura**; Huarmaca, 0127, local mx and "comunicacos", ment. area of Huancabamba among other places. Fair/poor. (17-Sep/Nigro/DSWCI DX Window/Krone-DK)
- 6797.70 **Radio Ondas del Rio Mayo**, Nueva Cajamarca; 1050-1107 f w/ID "Ud. esta con Ondas del Rio Mayo, su radio, son las 5 y 50, faltan 10 pa ra las 6 de la manana," then saludos and chicha. (30-Aug/Nozaki-JPN)
- 6811.3 **Ondas del Rio Mayo**, here from ex-6797. Noted by Hauser at 1145, ID'd by Nigro at 0205\*. (17-Sep/Hauser-OK + Nigro - URU/World of Radio)
- 7141.85 **Radio Ayabaca**; \*1153-1158 (b/out by Chinese stn on 7140kHz). (30-Aug/Nozaki-JPN)
- 7746.0 **Radio Cristal**, noted at 2330, is correct name as suggested by Nigro. ID - repeated over and over again - says "Cristal, la nueva radio, la radio mas potente del Peru". Speaker avoids mentioning the QTH, but music is so local in flavour that I'd be surprised if this is anything else than a new pirate from the Huancabamba area in northern Peru. Reception was quite good by 2330, but started deteriorating one hour later. (11-Sep/Klemetz-COL/Dateline Bogota)

**Radio Chasqui** has the address of Apartado 368, Cuzco. The station, operated by Baptist Mid-Missions, is managed by Andres "Andy" Tuttle H. The station's name is derived from the Chaskis, who were the messengers of the Incas. (Field-MI)

**RADIO FREE ASIA Radio Free Asia**, via Delano, KNLS, KWHR, Ulan Bator, KHBN, KHBI, Tajikistan, Kazakhstan and possibly elsewhere. Address: Suite 300, 2025 M Street NW, Washington DC 20036, USA. Tel: +1-202-530-4900 Fax: +1-202-457-6996

URL: <http://www.rfa.org>

0030-0130	Burmese	13710	11600	11590	11580
1130-1230	Lao	17805	15170	13685	9905
1300-1400	Tibetan	11590	11575		
1400-1500	Vietnamese	11540	9930	9455	
1500-1600	Burmese	11590	11530		
1500-1630	Chinese	11955	11945	11540	9905 9445
1530-1630	Korean	15660	9980	5855	
1630-1700	Chinese	11955	11945	11540	9905 9455
1700-1800	Chinese	11955	11945	11540	9455
2100-2200	Chinese	15515	11765	9905 9795	9725 9420
2200-2300	Korean	15515	11785	9455 9395	7470
2200-2300	Lao	9940	9725	9365	5930
2300-0000	Tibetan	9365	7410		
2300-2400	Chinese	15515	13800	11785	9940 9420
2330-0030	Vietnamese	13710	11580	9980	9975

(BBCM)

**RUSSIA Radio Rossii** new addit freqs 0100-0400 9500 9720, 0400-0700 15455, 0400-1400 12060, 0700-1400 15465, 1400-1800 11675 12060, 1800-2300[?] 9600 9845. According to Olle Alm-SWE these transmitters apparently are the former SSB transmitters at Taldom, some 110 kms north of Moscow, Radio Center #3 of GPR-1. It takes 5 to 20 mins instead of usual 30 mins to switch the transmitters from one freq to an other.

**Voice of Russia** WS Russian service transmissions on 11630 and 12060 between 1700-2100 UTC discontinued. VoR WS E service on new 15590 0600-0900 UTC. UNID transmitter site, Deutsche Welle in German between 1000-1400 UTC on 11615 kHz, somewhere in the CIS? (26-Aug/Rudnev-RUS/WWDXC Top News/Bueschel-FRG)

**VoR** changes from Sept 7:

Alban	1500-1600	6000	7185	9840	(x11690 11890 15545)
Serbian	1600-1700	7185	7300	(x9840 11890)	
Serbian	1800-1900	6000	7140	7150	7185 7300 9840 (x9470 11690 11820 11890 15545)
Bulgar	1700-1800	6000	7150	7185 7380	(x11690 11820 11890 15545)
Greek	1900-2000	7150	7185	7370	7380 9470 9840 (x11690 11820 11890 15455 15465 15545)

(9-Sep/Pan/view-BUL/WWDXC Top News/Bueschel-

FRG)

In Evenki Autonomous Area the **Evenki State TV and Radio Company** (?Kheglen) in the town of Tura is broadcasting local program in the Russian and Evenki languages daily from 0000-0100 and 0400-0415 on 4040 kHz. (7-Sep/Voice of Russia "DX Club"/BBCM/DSWCI DX Window/Krone-DK)

**Islamskaya Volna** (Islamic Wave):

1500-1600 Russian 9865 7325-(from 1530) Tu-Fr (also Arabic & Tatar, irregularly) (BBCM)

**Khabarovsk Radio** - when not carrying its own programs this station relays Radio Russia. Schedule has been compiled entirely from monitoring observations.

0000-0715 Russian\* 7210

0715-0800 Russian\*\* 7210

0800-1700 Russian\* 7210

1900-2400 Russian\* 7210

\*=relay of Radio Russia and local programs

\*\*=relay of Radiostantsiya Tikhyy Okean (BBCM)

When not carrying its own local programs, **Khanty-Mansiysk Radio** relays local services from Radio Tyumen or Radio Russia from Moscow. Khanty-Mansiysk Radio may also identify itself as "Radio Yugry."

0000-2000 Russian 4820 4520-(irregular)

0100-0110 Local prog Tu-Fr

0110-0130 Local prog Mo-Fr

0310-0400 Local prog Sa

0700-0800 Local prog Mo-Sa (BBCM)

**Radio Perm** (when not carrying local programs, this station relays Radio Russia from Moscow):

0000-1900 Russian 5290

0010-0130 Local prog Mo-Fr

0100-0200 Local prog Sa

0220-0300 Local prog Mo-Fr

0310-0400 Local prog Su

0500-0510 Local prog Mo-Fr

0510-0600 Local prog Mo-Fr

0700-0800 Local prog Su

0800-0810 Local prog Mo-Fr

1200-1300 Local prog Mo-Fr

1510-1600 Local prog W

2100-2400 Russian 5290

2358-0000 Local prog Su-Th

(BBCM)

9690 **R. Tatarstan**; Samara, Aug 29, 0400-0500, heard with program in a local language. 43333. (29-Aug/Petersen-DK/DSWCI DX Window/Krone-DK)

**Voice of Assyria** (Kala Aturaya)

1500-1530 Various\* 9865

1530-1600 Various\* 9865 7325

\*languages are Assyrian, Russian, Arabic, Persian and

## English

**Voice of Vietnam** relay via Russia has already gone back down to 5940 for winter at 0100, but quickly overpowered by Dr Scott on 5935 WWC; 5940 also replaces 7125 as best frequency for V. of Russia at 0000-0100 and the best time for Vietnam in English now seems to be 0330 on 7260 after Spanish at 0300 (Grishin-CAN/World of Radio/Hauser)

**SAUDI ARABIA** 3868.0U **BSKSA**, 2222-2235, feeder for domestic service in Arabic (4-Sep/Kuhl-FRG/DSWCI DX Window/Krone-DK)

Latest observed schedule of **BSKSA** (Sep 15-16):

0300-0600 HQ	7150 9553.5 9620 9718.2 11785
0300-1700 2ndP	9578.6
0400-0500 Somali	15335
0400-0600 Turkish	15060
0500-0600 Swahili	17755
0600-0900 HQ	9530 11785
0600-0900 MAP	9718.2 11708.5 11818.5
0900-1200 HQ	17880 21530
0900-1200 MAP	11818.5 15060
1000-1200 Indonesian	21705
1200-1400 Urdu	15345
1200-1500 MAP	15060 15230 15377
1200-1600 HQ	7150 15277.8
1400-1500 Bengali	15345
1400-1600 Persian	11730
1500-1600 Turkmen	9730
1500-1700 COI	11780 11948.2 11965
1600-1700 Bambara	17775
1600-1700 HQ	7150 9730 11708.5 11833.4
1700-1800 HQ	9730 11708.5 11833.4
1700-1800 MAP	11780 11948.2 11965
1700-2100 2ndP	12038.4
1800-2100 HQ	9703.2 11935
1800-2300 MAP	9555 9870

(MAP/Call of Islam can be also heard on 10990 or 3868 in USB, and 2nd program in LSB)

MAP=Main Arabic Program, COI=Call Of Islam, 2ndP=Second Program (16-Sep/Timofeyev-RUS/NERRS Monitoring/DSWCI DX Window/Krone-DK)

**SLOVAKIA** R. *Slovakia Intl* plans to close its SW stn at Velke Kostolany 'quite soon' because it is 'redundant.' Velke Kostolany operates with two xmtrs at 100 kW, one of which was in use a while back by AWR. It is anticipated that R. Slovakia will increase its usage of the xmtrs at Rimavska Sobota, where there are 4 SW xmtrs at 250 kw. AWR is currently using xmtrs 9 and 10 exclusively, and sharing xmtr 8 with R. Slovakia; and R. Slovakia is currently using xmtr 7 exclusively. I am not sure just when Velke Kostolany will be closed, but a guess could be at the end of this current xmsn period. Better get your QSLs soon! (Peterson/AWR/NU/EDXP/Padula-AUS)

**SOUTH AFRICA** Short-lived *World Music Radio* ceased broadcasting from South Africa on 24 August. (3-Sep/Vaghee-MAU/DSWCI DX Window/Krone-DK)

After 3 months on air we have not succeeded in selling a single commercial. The interest among DXers seems to concentrate on QSLs, very few have supported WMR by buying one of our T-shirts. So we have to leave the scene to the state-run and not least the religious stations which seem to have no problems in filling the well with money. There is a very slim chance that WMR will return, either within a few weeks or on the 1. November. Apart from yourself and Mahendra, hardly anybody seems to have noticed that we are off the air (5-Sep/Hartvig-Nielsen-DK/WMR/DSWCI DX Window/Krone-DK)

**SRI LANKA** 6035.00, *SLBC*, Aug 22/23/24, 1300-1400, following s/off CRI in Vietnamese. Tamil speaking, mentioned many different countries around Sri Lanka. Subcontinental mx. At 1330 UTC TA, 5 short/l long times pips, before started with drums, flutes, like Indian mx, mentioned S-L again. Political talks. 1349 "...Salem Aleikum ...". 1358 flute IS, sound scale up+down. 1400 TA 5/1 pips, s/off. Definite no religious program, not from TWR. (24-Aug/Schulze-PHL/DSWCI DX Window/Krone-DK)

The Tamil stn on 6035 kHz is not the propaganda service. It's a back up for 5020 kHz Tamil service using the 12.5 kW Puttalam. Since the Jaffna area was wrestled from the Tamil Tiger rebels the Puttalam stn is being used at this time 1200-1400 (4-Sep/Goonetilleke-SRI/UADX/BC DX/DSWCI DX Window/Krone-DK)

**SYRIA** *Broadcasting Service of the Syrian Arab Republic*  
0500-1600 Arabic 13610 12085 (BBCM)

**TAJIKISTAN** Since Sept 11th the *Voice of Tibet* 11570 kHz (via Dushanbe) is being jammed by China, during its scheduled transmission in Tibetan 1225-1255 UTC. The VOT signal is under the CNR signal. (13-Sep/Goonetilleke-CLN/UADX/WWDXC Top News/Bueschel-FRG)

**TANZANIA** 5050.06 R. *Tanzania*, 0330-0335 & 0358-0401 clear ID by W, then talk in possible Swahili by M - certainly not the English Svc as previously carried here. (26-Aug/Clark-CAN) Noted here too many eves around 0305. (Quaglieri-NY)

**TONGA** The latest information I heard said that *Radio Tonga* was testing a little while back, but Tonga did suffer more storm damage and they gave up the idea of returning to shortwave for good. Will only be on FM frequency. (Keckes-AUS/DSWCI DX Window/Krone-DK)

UKRAINE 6691.0 *Ukrayinske Radio 2*, 2230-0101\*, program of nonstop (pop) music; on the hour IS & M announcer (ID as "Promya"); in background IS & program of Radio Ukraine International, making me think of a mixing product at the transmitting site (4-Sep/Kuhl-FRG/DSWCI DX Window/Krone-DK)

UNITED KINGDOM *United Christian Broadcasters* (UCB) UCB is a Christian evangelical broadcaster based in Stoke-on-Trent, UK. With programming primarily on satellite, the station is also relayed via an unlicensed shortwave transmitters in the Republic of Ireland. Address: UCB, Hanchurch Christian Centre, Stoke-on-Trent ST4 8RY, UK Tel: +44-1782-642000 Fax: +44-1782-641121 E-mail: ucb@ucb.co.uk URL: http://www.ucb.co.uk 0000-2400 English 6200-Ireland (BBCM)

URUGUAY 9621.7 CXA6 *SODRE* reactive, heard @1100. (6-Sep/Nigro-URG/DSWCI DX Window/Krone-DK)

UZBEKISTAN 6060 *R. Uzbekistan*, 2325, with IS then ID and programming in Mongolian, atop Xinjiang. (14-Sep/Liangas-GRC/DSWCI DX Window/Krone-DK)

USA *KWHR's* new xmtr, "Angel 4":  
0700-1300 11565  
1300-1900 7510  
1900-0700 17555  
(KWHR via Sellers/Hard-Core-DX/DSWCI DX Window/Krone-DK) (BBCM)

VENEZUELA *Radio Nacional de Venezuela* has recently reactivated its external service. In the past it broadcast in French and English as well as Spanish. The 1800-1900 program is repeated in all subsequent transmissions. All broadcasts begin with a 15-minute news segment "The Day's News in Brief." Address: P.O. Box 3979, Caracas 1050, Venezuela.  
0000-0100 Spanish 9540  
0300-0400 Spanish 9540  
1100-1200 Spanish 9540  
1400-1500 Spanish 9540  
1800-1900 Spanish 9540  
2100-2200 Spanish 9540  
(BBCM)

4829.98 *Radio Tachira*, San Cristobal; 1000-1100 f, religious program "La Voz de la Liberacion" (10-Sep/Nozaki-JPN)

Dear dxer: I live in Venezuela, and I would like to help you to obtain your qsl-card from old and new reception report from the following Venezuelan radio stations: *R. Barquisimeto*, *R. Lara*, *R. Universo*, *R. Cristal*, *R. Minuto*, *Super Criolla 1390*, *Radio Fe Y Alegria 850*, *R. Maracaibo*, *R. Juventud 840*, *Ondas Portenas 640*.

My address is: Winter Monges  
P.O. Box 1.116  
Barquisimeto 3001-A  
Lara, Venezuela  
[No mention made of \$\$, but I doubt Sr. Monges is doing this for free...AQ]

VIETNAM 4214.18 *Lai Chau 1*, 1045-1215\*, till 1055 local program, ID, from 1100-1130 Hanoi program relay, TA 5/1 pips, 23332, //5924.60 & 6703.90 Lao Cai. 1130-1145 common program on all five channels, also //7153.40 & 10059.80 kHz. (24-Aug/Schulze-PHL/DSWCI DX Window/Krone-DK)

4740m *R. Son La*, 1155, transmitter s/on NA, piece of hill tribe mx at 1200 UTC. TA, presumably ID by W. Talks in dialects. (24-Aug/Schulze-PHL/DSWCI DX Window/Krone-DK)

4959.6 *R. Hanoi 2* (t), 1100 Sep 3, talk by W, and slow, quiet melody (or IS?) played on electronic keyboard to 1100; three pips on hour, QRN blasted over any possible ID. Good signal, Hanoi 1 strong on 5924.57 at the same time. (3-Sep/Novello-NC)

5050 *Quang Tri BS*, 1200, also heard in this time range, 34333. (24-Aug/Schulze-PHL/DSWCI DX Window/Krone-DK)

ZIMBABWE 5012 *ZBC* heard at 1515-1630 in African language, w/EE ID at 1613 "This is Zimbabwe Broadcasting Corporation;" @1630, another EE ID, followed by amnt to re-tune to 90 mb. Presume this channel s/on at 1500, then switches to 3306 at 1630. (30-Aug/Vaghjeec-MAURITIUS)

UNIDENTIFIED  
6615 UNID at 1050 Distorting, unstable xmtr drifts up and down by as much as 200 Hz, but sits in one spot for a couple of minutes. When playing music, mostly flutes and M vocalizations, not Andean. (11-12-Sep/Novello-NC)

OOPS Last month your easily-confused ed had UNITED KINGDOM 6000.0 *City Sound*. The ever-correct Andy Sennitt corrects: Unfortunately, although we have many Chinese restaurants in the UK, the Chinese community doesn't yet have a national radio network. I'd suggest this item ought to go under SINGAPORE :-)" this item ought to go under SINGAPORE :-)"

ARTHUR CUSHEN  
I had the pleasure of meeting Arthur Cushen at ANARC Montreal some years back. Although he was generally swarmed by DX'ers (who can be a pesky lot), he was never less than genial and patient with each and everyone who crossed his path. His contributions to this fascinating hobby are immeasurable, and he will be missed.

# Pirate Radio Report

Chris Lobdell

P.O. Box 146

Stoneham, MA 02180-0146

Internet: lobdell@tiac.net

## Weiner-Becker Radioship Update

Recently, I talked to Allan Weiner on board the MV Electra, the radioship that he is outfitting for Dr. Scott Becker in East Boston. Transmitting equipment will consist of one 10 kw shortwave transmitter, with a 1 kw unit as a back up. The boat has been repainted from the yellow/rusty black to a white/purple combination.

I asked permission for a tour of the ship before they leave, to which he agreed. So, hopefully, I'll have a first hand report for next month. The present schedule has the boat leaving Boston sailing to the Caribbean by the middle of October. We shall see.

## The Good Ship Metallica?

Recent broadcasts from RADIO METALLICA WORLDWIDE claim that they are now transmitting from their own boat, starting in September. Many pirates claim to be operating from boats, airplanes and the like, but George Zeller has received information from sources that he considers to be reliable, that they are actually on a boat off the Atlantic Seaboard. If this is indeed the case, it looks like Dr. Tornado has beat Allan Weiner to the punch. So, if your QSL from Radio Metallica is from August or earlier, you might want to send him another report to get a "international waters QTH" QSL! Their maildrop address is: Box 109, Blue Ridge Summit, PA 17214. Ed Mueller in NY heard them announcing the boat location on September 7<sup>th</sup> at 0021 UTC on 6955 kHz in the AM mode. Reception was fair.

## Trick Or Treat, Pirate Style!

Halloween is always one of the biggest holidays observed by pirates, and since October 31<sup>st</sup> falls on a Friday night this year, there should be quite a lot of activity.

Look for the appearance of stations such as *Radio Hallowe'en*, *Witch City Radio* and the *Voice Of The Dead* to possibly show up. Maybe even the *Voice Of The Purple Pumpkin* might be heard. Don't forget to report what you heard to us here at the PRR!

## Loggings...


CISC/THE VOICE OF THE GREAT WHITE NORTH was heard on 6954.5 kHz at 0106 until 0151 UTC sign off on August 23<sup>rd</sup>. Pirate Rambo was playing music and comedy, with such bits as "The Penis Protection Plan" and "The Road Kill Café". Theme music was from Babylon 5. [Fred Kohlbrenner-PA]

HE-MAN RADIO returned to the air for the first time since May 31<sup>st</sup> on August 23<sup>rd</sup> at 2326 UTC. Tunes by Enya and Queen were heard and He Man read names of those listeners who had sent in reports since the last broadcast. [Kohlbrenner-PA]

RADIO USA, was noted on September 7<sup>th</sup> airing their 14<sup>th</sup> anniversary show from 0050 past 0150 UTC when they faded out on 6955 kHz USB. The show featured classic bits from the past. Signal strength was OK but the audio was quite distorted. [Ed Mueller-NY]

WLIS/WE LOVE INTERVAL SIGNALS was noted at 0011 on August 23<sup>rd</sup>. This was their tribute to Robert Ross who heard his 1000<sup>th</sup> FM station! Various interval signals were heard along with "Underdog Theme" music. [Kohlbrenner-PA]

WREC/RADIO FREE EAST COAST was heard on August 17<sup>th</sup> at 2322 with parody music from Secret Agent Man and When Doves Cry. The frequency was the usual 6955 kHz USB [Mark Humenyk-Ontario]

That's it for this month. Don't forget to report your Halloween logs and others to us here. You can send them direct to my email address or via Fred Kohlbrenner. 

# QSL Report

Sam Barto  
47 Prospect Place  
Bristol, CT 06010



**SPECIAL OFFER:** Your QSL Editor is offering foreign postage stamps to use as enclosures with your reception reports. Some say they can work wonders! We are presently offering 600 stamps for \$5.00; 1300 for \$10.00; or 2000 for \$15.00. With each incremental \$5.00 order, we will include absolutely free at least 300 US stamps! Almost all stamps are commemoratives. That's a total of 900 stamps for \$5.00; 1900 for \$10.00; or 2900 for \$15.00. I'm making an offer that you can't refuse. It really works folks. Please try to enclose an extra \$3.00 for USPO 2 day delivery....Sam.

**ALGERIA: Radio Algiers International** 15160 f/d B&W "Camel Riders" cd. w/ schedule in 24 wks. (Maroti-NY)...I'm typing this column in order and I can't believe this QSL "Camel" is first....Sam.

**ANGUILLA: Caribbean Beacon** 6090 f/d ltr. in 60 ds. (Rigas-IL). f/d cd. w/ ltr. in 131 ds. for 2 IRCs. v/s B. Monsell Hazell, CEO. Its the same cd. I rdvd. 20 yrs. ago for a rpt. on 1610kHz! (Brouillette-IL). 6090 and 11775 f/d prepared cd. in 79 ds. for SASE used. (Kusalik-ALB). 11775 same in 3 mo. (Barto-CT).

**ANTARCTIC (Argentina): LRA36 Radio Nacional Arcangel San Gabriel** 15476 f/d "Logo" cd. w/ map in 174 ds. (Barrera-ARG).

**COMMENTARY OF THE MONTH:** Last week your editor was listening to the Voice of the Islamic Revolution of Iran's English Service. The announcer stated that due to unforeseen circumstances in the Iranian higher education system, drivers education classes could not be scheduled directly after sex education courses because....(continued on the last page)....Sam.

**ANTIGUA: Deutsche Welle** 6185 n/d "Logo" cd. in 5 wks. w/ schedule. (Barto).

**ARGENTINA: RAE** 15345 f/d cd., w/ ltr. and sticker in 6 wks. for \$1.00. v/s Rodrigo Calderon. (Myers-VA).



**ARGENTINA (Pirates): Radio Cochigu-**  
\* az 6925.5 f/d ltr. w/ cd. in 29 ds. for \$1.00. (Kusalik). f/d cd. in 25 ds. (Barrera-ARG).

**ARMENIA: Voice of Armenia** 9480 and 9965 f/d cd. w/ stickers and station history in 8 mo. (Field-MI). 9965 f/d blue "Logo" cd. in 155 ds. w/ ltr. and schedule. (Humenyk-ONT). f/d white, paper cd. in 80 ds. (Rigas-IL). **Voice of Russia** 11880 via Yerevan f/d "Vase" cd. in 3 mo. (Barto-CT).

**ASIATIC RUSSIA: Voice of Russia** 9875 via Khabarovsk f/d "Vase" cd. in 3 mo. (Barto). 12000 via Novosib-

## QSL POST CARD

Dear Masao Hosoya.....

Thank you for your reception report of  
May 18, 1997.....

We are pleased to confirm that the station you heard is Voice of Mongolia, operating on 15170 kHz at 0900-0930 UTC.

Your further reports as well as comments on our programs will be much appreciated.

## VOICE OF MONGOLIA

C.P.O. Box 365, Ulaanbaatar 13, Mongolia

FBI/DOJ



confirmamos su reporte del  
Marzo 3 de 1997

**ESTACION HD210A**

Horario de Transmision	Frecuencia
00 00 h — 12 00 h	3.81 MHz
12 00 h — 13 00 h	5.00 MHz
13 00 h — 24 00 h	7.00 MHz

En 3.81 y 7.00 MHz se anuncia el tiempo cada minuto, con identificación de la Estación HD210A en el intervalo comprendido entre 59 m. 40 s. y 59 m. 50 s.

En 5 MHz se anuncia también el tiempo cada minuto, pero se proporciona adicionalmente un Servicio de Frecuencia Patrón, con la siguiente programación:

12 00 h	12 15 h	Tonos de 600 Hz
12 15 h	12 30 h	Tonos de 440 Hz
12 30 h	13 00 h	Portadora de 5 MHz, sin modulación.

PARA RADIOAFICIONADO

Bary R. Neal

4410 Orchard Hills Lane

Sugar Land

USA.

irsk f/d "Tea Service" cd. in 6 wks. for the Arabic Service.(Barto). 13665, 12050 and 12010 via Petropavlovsk-Kamchatsky f/d "Arbat Square" cd. in 3 mo.(Barto).

\* Trans World Radio 7205 via Ussuriysk f/d cd. w/ site and ltr. in 2 mo. (Barto-CT).

**ASCENSION ISLAND: Radio Can-**

**ada International** 6005 via BBC f/d cd. w/ site in 25 ds. for an E-Mail rpt. on the Special Election 97 transmission. (Rigas-IL).

**AUSTRALIA: Radio Australia** 9580 via Shepparton f/d cd. w/ schedule and ltr in 46 ds. (Humenyk). 9580 and 9860 n/d "ABC SouthBank Centre" cd. w/ ltr. in 5 wks.(Barto). 15240, 15365, 17795, 15415 and 13605 same cd. in 1 mo (Barto). 6080 and 6020 via Brandon cd. w/ ltr. in 5 wks.(Barto). Australian Defense Forces Radio 13525 f/d ltr. w/ prepared cd. and 4 ADFR magnets in 3 wks. for 2 IRCS - not used. 200 watts.(Renfrew-NY). f/d ltr. in 6 wks. via the Belconnen station. v/s Hugh McKenzie and Adam Iffland. Also rcvcd. 6 badges.(Barto-CT)

**AUSTRIA: Radio Austria International** 13730 via Moosbrunn f/d cd.

**RADIO ROMANIA INTERNATIONAL BUCHAREST**

**QSL**



Dec 8 1996 This confirms your report of transmission at 1320 UTC on 11940 kHz.

Your remarks are of great interest to us and your further reports will be much appreciated. 73's

Mr Henry Weissenborn

Houston

USA

**VERIFICATION SIGNERS: Radio Quito** 4919 Dr. Xavier Almeida M. Addr: Casilla 17-21-1971, Quito. **Adventist World Radio** 7230 Stefano Losio, General Manager. Addr: C.P. 383, IT-47100 Forli, Italy. **Radio**

**Television Guinee** 7125 Momo Toure, Chief of Services. **Guyana Broadcasting Corp.** 3290 Miss Indira Anandjt, assistant to Director. **All India Radio Mumbai** 4840 Lak Bhatngar, Supervisor of Frequency Assignments. **Radio Riga** 5935 Jogita Cinkus, QSL Secretary. **Ri-Ga. Radio Television Malaysia Kuching** 4895 Colin A. Minoi, Chief Engineer. **Radio Television Malaysia Sibul** 5005 Clement Stia, Chief Engineer...via PLAY DX.....Sam.

of "Franz Schubert" in 82 ds. w/ schedule. (Humenyk-ONT). **BELGIUM: RVI** 15535 and 13785 f/d cd.

w/ 3 different stickers and an schedule in 9 wks.(Barto-CT).

**BOSNIA HERZEGOVINA: Radio**

\* **Bosne I Hercegovine** 7105 f/d photocopy of QSL cd. via registered mail in 1 mo. for 2 IRCS Addr: Radio and Television of Bosnia and Herzegovina, DP Radio, DP Links and Transmitters, Bulevar M. Selimovica 4, 71000 Sarajevo. (Renfrew-NY).

**BRASIL: ZYF360 Radio Nacional de**

**Macapa** 4915 ltr. w/ decal in 7 mo. for a PT rpt. v/s Benedito Rostan Costa Martins, Director. (Barto). **ZYG640 Rdf. Londrina** 4815 p/d travel brochure w/ verie statement in 3 mo. for a PT rpt.(Barto). **ZYE441 Radio Anhanguera** 11830 f/d ltr. in EG/PT in 6 mo. for a PT rpt. v/s Eng. Domin-



Phone 99-112, 99-1020

Cables HATBROADCAST Fax 99-0197

10th March, 1997.

EDWARD BAUSCH  
17 VANDERBERG PLACE  
CEDAR GROVE NEW JERSEY  
07009 - 1039  
USA

Dear Mr Edward Bausch,

RE: VERIFICATION LETTER.

On February 2nd 1997 you were in tuned to Radio Southern Highlands and we are here confirming your reception report through this letter.

As you have quoted in your reception letter, we operate on a frequency of 3275KHz in the ninety '90s meter band and on short wave one using a REC TEN KILOWATT Transmitter donated to the people of Papua New Guinea by the Japanese Government, making it possible for other shortwave listeners to hear us from other parts of the world.

ANDREW HELES  
Provincial Programme Manager.



gos Vicente Tinoco, Tech. Manager. (Barto-CT).

**Radio Marumby** 9665 n/d ltr. in 14 ds. after 2 f/up rpts. v/s Jair Albano, Station Manager. Postcards and bookmark were rcvd. (Sgrulletta-NY)... one wk. later I rcvd. a f/d prepared cd. w/ different brochures. v/s Davi Campos. (Sgrulletta). 11724.7 p/d ltr. w/ postcard and bookmark in 2½ mo. for a PT rpt. (Barto-CT).

**BULGARIA: Radio Bulgaria** 5860 via **Kostinbrod** f/d "Orthodox Church" cd. in 45 ds. after a f/up rpt. to include the transmitter site and power. (Rigas-IL).

**CANADA: Radio Korea International** 9650 via **Sackville** p/d "The Mortar" cd. w/ schedule in 2 mo. (Barto). **Radio Japan** 6120 via **Sackville** f/d "Kanmon Bridge" cd. in 5 wks. w/ schedule. (Barto).

**Deutsche Welle** 6085 via **Sackville** n/d "Logo" cd. in 1 mo. (Barto).

**CHILE: Radio Esperanza** 6090 f/d "Folder" cd. w/ ltr. in 33 ds.

We gratefully acknowledge your report on frequency: 6100 kHz  
station: Radio Jugoslavia  
date: 15.9.79 24.10.36.  
time: 17.00 UTC

MAHENDRA  
Vaqujee

RADIO JUGOSLAVIJA  
P.O. Box 200, Hilendarska 2  
11000 Beograd  
YUGOSLAVIA

Mauritius

**NOTES: Doug Smith**, a new contributor from Portsmouth, VA, has been a member of NASWA for 13 years. This is his first contribution to the QSL Column. Keep the QSL reports coming in - we can use everything... Sam. **Sheryl Paszkiewicz** says she needs a booster shot in the QSL department. She ordered stamps from our offer (as noted on the heading page). She says she's sure it will help. I think so too! I knew you were a great DXer but I never knew you were so intelligent... Sam.

LISTENERS' CLUB  
RADIO YUGOSLAVIA

for a SP rpt. and 2 IRCs. v/s Rodolfo Campos P., Director. (Brouille-CHINA, PEOPLES REP. OF: **China National Radio** 5163, 6890, tte-IL).

7770 and 9064 f/d "Dragon King Pool" cd. in 4 mo. (Barto-CT). 7440 f/d cd. in 1½ mo. (Barto). 7620, 6015 & 5125 f/d "Tian An Men Square" cd. in 6 mo. (Barto-CT).

**COLOMBIA: Coluondo Bogota** 6065 2 page ltr. w/ prepared \* cd., stickers, schedule and religious schedule in 6½ mo. for ms. v/s Jorge Eliecer Hernandez, Gerente Nacional de Programacion and Marcela Aris **RADIO FOR PEACE INTERNATIONAL** tizabal, Presidente.

Addr: Diagonal 58 No. 26A-29, Santafe de Bogota, D.C. or Apartado Aereo 36750, Santafe de Bogota, D.C. (Lazarus-LA).

**COSTA RICA: Adventist World Radio** 9725 f/d cd. in 12 ds. for the Wavescan Program and SASE. v/s A. Petersen. Also rcvd. a modern version of the famous EKKO stamp! (Flynn-OR).

**CROATIA: Hrvatska Radio** 5895 f/d "Studio Building" cd. in 3 mo. v/s Zelimir Klasan. This was after several reports over a year. (Maroti-NY). f/d cd. in 2 wks. for a FAX f/up rpt. (Myers-VA).

**CUBA: Radio Habana Cuba** via **Bauta** f/d cd. including site and power in \* 120 ds. Your right, this is the first time I have ever seen them giving their site (Sam). (Rigas-IL).

**CZECH REPUBLIC: Radio Praha** 7345 via **Litomysl** f/d cd. in 105 ds. for an E Mail rpt. (Rigas-IL).

**ECUADOR: HCJB** 5860 f/d "Gauguin" cd. in 2 mo. w/ schedule. (Barto). 9765 same cd. in 1 mo. (Barto).

**ENGLAND: Radio Canada International** 9755 via **Woolerton** f/d cd. w/ site and power in 25 ds. for E-mail rpt. (Rigas-IL). **Radio Japan** 6180 via **Skelton** f/d "Tokyo" cd. in 5 wks. (Barto-CT).

Pedro M. Coelho de Castro  
Your reception report of Station VNG  
of 1 3 1 79 at 7:30 GMT  
is commensurate with thanks

R. Zupfer  
107 Telecom Australia



## VNG

The time signal service from "VNG" was inaugurated by the Australian Post Office on 21 September 1964 using transmitters located at Lyndhurst which is approximately 37 km south-east of Melbourne in the state of Victoria.

Two transmitters modulated by the same time signals are feeding half wave dipole antennas for all transmissions.

The transmission schedule is as follows:

Times of Emission GMT	Frequency kHz
0945-2130	4 500
2245-2330	7 500
0145-0230	12 000



**EUROPEAN RUSSIA: Voice of Russia**  
 9775 via **Saint Petersburg** f/d  
 "Country Scene" cd. in 7 wks.  
 (Barto). 13650 same site via  
 GPR-2 w/ f/d ltr. in 535 ds.  
 w/ stickers. v/s Mikhail Timofeyev.  
 (Humenyk). 9740 via  
**Krasnodar** f/d cd. in 7 wks.  
 (Barto). 11695 via **Yekater-**  
**inburg** f/d "Tea Service" cd.  
 in 6 wks. for the Arabic Ser-  
 vice. (Barto). 9755 via **Samara**  
 f/d "View of Kremlin" cd. in  
 7 wks. (Barto). 15510 same cd.  
 in 6 wks. (Barto). 11655 via  
**Moscow** same cd. in 7 wks. (Bar-

to-CT). 7440 and 9710 f/d "Pushkin Monument" cd. in 2 mo. (Barto).  
 7370 via **Krasnodar** same cd. in 2 mo. (Barto). 5940 f/d cd. in 2½ mo.  
 (Barto). 6110 via **Samara** f/d cd. in 2 mo. (Barto). **Deutsche Welle**  
 12025 via **Krasnodar** p/d "Logo" cd. in 1 mo. (Barto). 9470 via **Samara**  
 \* and the GPR-3 relay w/ p/d "Logo" cd. in 1½ mo. (Barto). **Voice of the**  
**Assyrians** 12075 via **Balashika** f/d RS prepared cd. in 37 mo. after my  
 initial rpt. in RS w/ 2 IRCs. v/s Marona Arsanis, Head Editor. (Kusa-  
 lik-ALB). **Voice of the Mediterranean** 9765 and 12060 via **Samara** f/d  
 "Logo" cd. in 98 ds. w/ sticker and schedule. (Humenyk-ONT).

**ETHIOPIA: Voice of the Tigray Revolution** 5500 f/d ltr. in 45 ds. after a  
 f/up rpt. v/s Fre Tesfamichael.

<p><b>FROM WIRELESS TO WORLD-WIDE WEB</b>          A series of three 30-minute radio shows          broadcast on 101.1 FM every Sunday at 10:00 AM.          Contact us for more information.</p> <p><b>CALL TO THE OFFICE</b>          The number provided is for information only. It is not a toll-free number.          For more information, please contact us at 101.1 FM every Sunday at 10:00 AM.          For more information, please contact us at 101.1 FM every Sunday at 10:00 AM.</p> <p><b>DE LAS ONDAS A LA TELECOMUNICACION</b>          Una serie de tres programas de 30 minutos          transmitidos los domingos a las 10:00 AM.          Contáctanos para más información.</p> <p><b>PARLAREI DI I MIEI AMICI</b>          Una serie de trece programas de 30 minutos          trasmitidos los domingos a las 10:00 AM.          Contáctanos para más información.</p> <p>Date/Date: <i>May 20th, 1997</i>          Time/Time: <i>10:30 AM</i>          Frequency/Frequency: <i>101.1 FM</i></p> <p>Site/Station: <i>Sigüenza</i></p> <p>Thanks for your report! Contact us for further info!</p>	<p><i>M. M. Haseya</i></p> <p><i>Sigüenza</i></p> <p><i>SG</i></p>
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**FINLAND: Radio Finland** (Rigas).

15400 f/d "Antenna" cd. rcvd. di-  
 rect from the **Pori** site in 1 mo.  
 Addr: Short Wave Centre, Preivi-  
 ki, FIN-28660, Pori. (Rigas-IL).

**FRANCE: Radio France International**

5920, 5925, 6045, 7280, 9550,  
 9800 and 11700 "Alliss" cd. w/  
 schedule in 5 wks. (Barto-CT).

**FRENCH GUIANA: Radio Japan** 9685 f/d

"Fireworks over Kanmon Bridge"  
 cd. w/ schedule and pennant in 6  
 wks. (Barto). 6070 f/d "Tokyo" cd.  
 w/ schedule, sticker and pennant  
 in 3 wks. (Barto-CT). (Barto).

**GABON: Radio France International** 4890 and 9805 "Alliss" cd. in 1 mo.

**GERMANY: Adventist World Radio** 9835 via **Julich** f/d cd. in 2 mo. w/ penn-

ant and sticker. (Barto). **Radio Televis Eireann** 15600 via **Julich** f/d  
 cd. in 35 ds. (Rigas). **West Coast Radio Ireland** 5910 via **Julich** f/d

"Dolmen-The Burre" cd. w/ schedule in 1 mo. for 1 IRC. (Smith-VA).  
 9875 f/d "Mayo Coastline" cd. in 2 mo. for 2 IRCs. Also rcvd. sked.  
 and form ltr. (Wilkins-MO). 11665 same cd. in 187 ds. w/ sked. (Hume-

nyk). **Deutsche Welle** 9860 and 15390 via **Wertachtal** p/d "Logo" cd. in  
 1 mo. (Barto). 6045 same in 5 wks. (Barto). 13690 via **Julich** p/d "Logo"  
 cd. in 1 mo. (Barto).

**GEORGIA: Voice of Hope** 7520 via **Dusheti** f/d cd. w/ schedule in 3 mo.  
 (Renfrew). 9310 f/d cd. w/ schedule in 3½ wks. (Barto).

**GREECE: Voice of Greece** 6260, 7450  
 and 9420 f/d "House of Parlia-  
 ment" cd. w/ schedule in 20 ds.  
 for 1 IRC. (Brouillette-IL).


**GUAM: Radio Free Asia** 9455 n/d ltr.  
 in 4½ mo. w/ sticker. Disappoint-  
 ing that they won't QSL sites.  
 (Kusalik-ALB).

**GUATEMALA: TGVC Radio K'ekchi** 4845  
 f/d cd. in 164 ds. for a SP rpt.  
 and 1 IRC. Pennant rcvd. (Neal).

**HOLLAND: Radio Nederlands** 6020 n/d  
 "Special Media Network" QSL cd.  
 in 14 mo. (Dacus-ARK). 6165 same  
 in 13 mo. (Kusalik-ALB).



Adventist World Radio aired its first program on October 1, 1971, from the Radio Trans Europe in Rio de Janeiro, Brazil, in 12 languages, 20 hours a week. AWR broadcasts from 17 transmitters on three continents to more than 80 languages. To commemorate this 25th anniversary year, AWR invited listeners to design a QSL card. AWR confers and thanks the sender, Risto Vitonen, an explorer and DXer from Lahti, Finland.

**AWR**  **Adventist World Radio**

By Henry Wilson  
 We are pleased to verify your Date 30-04-1996  
 reception of our station. Time 0900-0930 UTC  
 Power (kW) 2000 W (1000 W (1000 W))  
 Transmitter location RIMAVSKÁ SOBOTA  
 Comments: Henry Wilson

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- |  |   |   |
|--|---|---|
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| • AWR-Asia<br>PO Box 7408<br>Agar, Green<br>96928 USA    | • AWR-PanAmerica<br>PO Box 1177<br>4650 Atlanta<br>Gwinn Bldg |   |

**HONDURAS: HRPC Radio Luz y Vida**  
 \* f/d cd. in 153 ds. for 1 IRC.  
 (Neal-TX).

**INDIA: All India Radio 4775 via Imphal** f/d "Temple" cd. in 6 mo. after a f/up rpt. (Field-MI). 4880 via **Lucknow** f/d "Br-ahmesvara Temple" cd. in 6 mo. w/ schedule. (Barto).

**IRAN: Voice of the Islamic Republic of Iran 9022 f/d** "Khajab Bridge" cd. w/ schedule, newspaper and sticker in 44 ds. (Stewart-MO). f/d cd. in 65 ds. for 1 IRC. Sticker rcvd. (Neal).

**IRELAND: United Christian Broadcasters 6200 f/d** cd. w/ sticker in 2 wks. \* 400 watts. v/s Graeme Wilson, Technical Manager. (Field-MI).

**JAPAN: Radio Japan 7125, 11815 and 17780 via Yamata** f/d "Fireworks" cd.

**VERIFICATION SIGNERS: Voice of Armenia 9965 L. Ananikian. Radio Difusora Pocos de Caldas 4945 W. Paulo De Mello. Radio Cultura Foz Do Iguaçu 6105 Sandro Souza. Radio Kudirat 6205 Kayode Fayemi, Director of Communications. Addr: P.O. Box 9663, London SE1 3ZD, England. Adventist World Radio - Europe 7230 Stefano Losio. All India Radio 4775 via Imphal Devendra Singh, Director of Frequency Assignments. Radio Nacional de Paraguay 9735 Fermin Espinola, Director General. Addr: Blas Garay 241, c/. Iturbide, Asuncion, Paraguay. Radio Netherlands 4965 via Dushanbe Asbati N. Krisna, Indonesian Section. .... via PLAY DX... Sam.**

# WRV - Radio Virus



## Infesting The Airwaves



w/ newsltr. and sked. in 5 wks. (Barto). **Radio Tampa JOZ 3925, JOZZ 6055 and JOZ3 9595** f/d "Logo" cd. w/ personal ltr. in 5 wks. (Barto-CT).

**JAVA: Voice of Indonesia 9525 f/d** "Kelimutu Lakes" cd. w/ cassette tape of various local Indonesian musical styles, 50th anniversary sticker and a personal ltr. in 8 mo. for a FAXED rpt. (Maroti-NY)... What did you do (?) promise to marry the chief's daughter?... Sam.

**JORDAN: Radio Jordan 9560 f/d** cd. w/ schedule in 909 ds. (same as their address!) v/s Jawad Zada, Director. (Pappas-SD). f/d cd. in 30 mo. for 2 IRCs. Schedule and stickers were rcvd. (Kusalik). 11690 f/d cd. in 4 mo. (Barto). same in 114 ds. w/ schedule (Humenyk). same in 8 mo. (Flynn-OR). 9830 and 10000 f/d cd. w/ both freqs in 6 mo. (Barto). 11970 f/d cd. w/ sticker and flag in 6 mo. (Barto-CT).

### UNITED ARAB EMIRATES

Ministry of Information & Culture  
 Dept. of Broadcasting  
 P.O. Box 6 - Abu Dhabi



وزارة الإعلام والثقافة  
 إدارة الإذاعة  
 ص. ب. ٦ - أبوظبي

No. \_\_\_\_\_  
 Date April 17, 1996


الرقم: \_\_\_\_\_  
 التاريخ: \_\_\_\_\_

Mr. Masao Itoya,

This refers to your letter dated 24 March 1996 together with your recorded cassette and thank you for the same.

We are pleased to confirm that you had listened to our Arabic programmes on 21735 Khz in the 13 metre band on the 24th of March 1996. Many thanks for your interest in our broadcasts. Enclosed is our current frequency schedule. With best regards.

Yours sincerely,

  
 Abdul Wahab Al Radwan  
 General Director  
 UAE Radio from Abu Dhabi



**KASHMIR: All India Radio 4950 via Srinagar** f/d "Velha Goa" cd. in 2 mo. (Barto-CT).

**KOREA, REP. OF: Radio Korea International 6145 via Kimjae** p/d "The Mortar" cd. w/ schedule in 2 mo. (Barto). 7275, 9570 and 6135 same cd. in 6 wks. (Barto-CT). 9570, 7550 and 7275 same cd. in 6 wks. (Barto).

**LAOS: Lao Regional Station 4659 via Houa Phan** f/d prepared cd. in 73 ds. for an 88 reception for

\$1.00. v/s Ms. Maliavrn Simani-  
\* thone. (Kusalik). 7383 via Savan-  
nake same as above in 73 ds.  
(Kusalik-ALB).

**MALAWI:** MBC 3380 p/d ltr. "thank  
you for showing interest" in 44  
ds. for a taped rpt. and SASE  
which was used. (Stewart-MO).

**MOLDOVA:** Voice of Russia 9665 and  
11840 Kishinyov f/d "Pushkin"  
cd. in 2 mo. (Barto-CT).

**MOLDOVA (Pridnestrovie Rep.):** Radio  
Dniester International 15290 f/d  
cd. from "Amensty International"  
in 88 ds. after a f/up rpt. This  
via Rumen Pankov in Sofia. They  
ask for 3 IRCs or \$1.00 for use

**FINNISH  
BROADCASTING  
COMPANY**

Short Wave Centre  
Fievilki  
FIN-28660 FORI FINLAND

Dear Ma henda Uugljice  
Thank you very much for your reception report. It had been  
found to be correct and is hereby notified.

Date: 16.4.92 Time: 12.53.18/200

Frequency: 11755.4 kHz

Your electricity: Voisradio Oy  
Paris Ilyta-takakun  
H. J.

Location: 21 33° E 61 25° N . Picture: Mail Notification

Ma henda Uugljice

as return postage fare. (Flynn-OR).  
**NEW GUINEA TERRITORY:** Radio Sandaun 3205 f/d ltr. in 3 mo. v/s Paia Ottawa,  
Technician. (Barto).

**NEW ZEALAND:** Radio New Zealand 6100 via Rangitaki f/d cd. in 28 ds. for  
\$1.00. (Rigas). 15115 f/d cd. in 30 ds. w/  
schedule and sticker. (Humenyk-ONT). ZLXA  
3935 f/d cd. w/ postcards, business cd.,  
and other station info. in 7 wks. (Barto).

**PAKISTAN:** Radio Pakistan 11935 and 15625 f/d  
cd. w/ ltr. in 6 mo. (Barto).

**PALAU:** KHBN 9985 f/d cd. in 1 mo. (Barto).

**PAPUA NEW GUINEA:** Radio Southern Highlands  
3275 f/d ltr. in 3 mo. v/s Andrew Meles,  
Provincial Program Manager. (Barto-CT).

**PHILIPPINES:** Radio Veritas Asia 9505 f/d cd.  
w/ schedule and postcard in 7 wks. after a  
f/up rpt. and \$1.00. (Myers-VA).

**PORTUGAL:** Radio Portugal International 6150,  
9635, 9600 and 9570 f/d "Art" cd. w/ sked.  
in 1 mo. (Barto). 15200 f/d "Butcher Shop"  
cd. w/ ltr., sticker and schedule in 72 ds.  
(Humenyk). Deutsche Welle 9535 via Sines  
n/d "Logo" cd. in 5 wks. (Barto).

**RUSSIA:** Voice of Russia 12030 and 12065 f/d  
"Kremlin" cd. in 5 wks. for the Arabic Ser-  
vice. (Barto).

**RWANDA:** Deutsche Welle 6015, 9565 and 7265  
via Kigali (?) n/d "Logo" cd. in 1 mo.

**SAO TOME:** VOA 7180 f/d cd. in 30 (Barto).  
ds. (Rigas-IL).

**SINGAPORE:** Radio Corporation of Singapore  
6155 f/d "Harbor View" cd. in 5 mo. (Maroti)

**SLOVAKIA:** Radio Slovakia 11990 and 13715 f/d  
"Building" cd. in 59 ds. (Humenyk). Adventist World Radio 11610 via Rim-  
avska Sobota f/d ltr., w/ sticker and report forms in 86 ds. (Humenyk).



**SOUTH AFRICA:** VOA 9675 via

Meyerton f/d cd. in 150 ds.  
after a f/up rpt. (Rigas-IL).  
Channel Africa 7155 via Me-  
yerton f/d "Female Painting"  
cd. w/ ltr. and schedule in  
175 ds. (Humenyk). Radio Ned-  
erlands 11655 via Meyerton  
11655 f/d cd. in 1 mo. (Rigas).  
The Investment Channel  
6160 via Meyerton f/d "SEN-  
TECH" cd. in 2 mo. (Barto-CT).  
Radio France International  
7135 via Meyerton "Alliss"  
cd. in 5 wks. w/ schedule.  
(Barto). Trans World Radio  
9510 via Meyerton f/d "Trans-



FREQUENCES

740 KHZ	20 Kw
8125 KHZ	4 Kw
8150 KHZ	4 Kw
11825 KHZ	20 Kw
15170 KHZ	20 Kw

**R.F.O. votre Radio**



**high ADVENTURE MINISTRIES**  
**The voice of hope**

Broadcasting from Tbilisi, Georgia



Ancient Christian mosaic in Tabgha, Israel  
 The Miracle of the Loaves & Fishes

**SALVATION IS FOUND IN JESUS CHRIST, FOR THERE IS  
 NO OTHER NAME UNDER HEAVEN GIVEN TO MANKIND  
 BY WHICH WE MUST BE SAVED** Acts 4:12

**VIETNAM: Radio the Voice of Vietnam** 15010 f/d cd. in 62 ds. for \$1.00.  
 Also rcvd. schedule and sticker. (Neal-TX).  
**WEST BERLIN: Deutschlandfunk Radio** 6005 f/d "Logo" cd. in 3 mo. (Barto).

A few pickins from the floor.....

QSL  
 Certificado de Sintonia

Estação Radio Marconi  
 Para JOHN L. G. G. V. L. ETTA

Agradecemos o seu relato de recepção. Confirmamos a exatidão dos seus  
 detalhes de nossa emissão no dia 19 março 1995  
 entre as 06:50 07:30 horas de \_\_\_\_\_ na frequência de  
9465 qtz. com 10 watts de potência.

X \_\_\_\_\_  
 /firma

**UZBEKISTAN: Voice of Russia**  
 13785 via **Tashkent** f/d  
 "Vase" cd. w/ schedule  
 in 3 mo. (Barto-CT). 17755  
 f/d "View of Kremlin" cd  
 in 7 wks. w/ schedule &  
 other postcards. (Barto).  
**BBC** 9875 via **Tashkent**  
 n/d ltr. in 6 wks. w/  
 schedule. (Barto-CT).  
**VATICAN: Voix de la Chartie**  
 \* 11715 via **Radio Vatican**  
 n/d 2 page ltr. in EG in  
 6 wks. My rpt. was sent  
 to Lebanon. Also rcvd. a  
 tape of Lebanese folk  
 music and program sked.  
 Verie nice! (Field-MI).

**TAJIKISTAN: Voice of Russia**  
 4740 via **Dushanbe** f/d "View  
 of Kremlin" cd. w/ schedule  
 in 7 wks. (Barto).  
**TURKEY: Voice of Turkey** 13670  
 via **Emirler** f/d cd. in 78 ds.  
 ds. (Rigas-IL). 15290 and  
 13750 f/d cd. w/ sticker &  
 pennant in 6 wks. (Barto-CT)

I guess it is time to end  
 another QSL Column. Its been  
 fun and very enjoyable.  
 Best of QSLing to everyone.

THIS CONFIRMS THAT "Daniel McCarthy" HEARD OUR BROADCAST ON  
 DATE 10/16/96 TIME 0000 DJ "Capt. No Beard" FREQ. 6,9550 KHz

*Kam*

I.R.I.B.  
 Islamic Republic of Iran  
 Broadcasting

.....Because the camels must be given a rest!

# Net Notes

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## Arthur Cushen, Dead at Age 77

New Zealand's best known short-wave and DX radio enthusiast Arthur Cushen passed away at 12.30 am NZ Time, Saturday September 20, 1997, in Invercargill Hospital. His wife Ralda was with him at the end. The funeral was held on September 23.

There were a number of tributes aired in the following days. We listened to four of them: Radio Netherlands' Media Network and World of Radio on the 25th, VOA's Communications World and HCJB's DX Partyline on the 27th. If you missed these broadcasts, you can hear all but the HCJB show via the World Radio Network archives at <http://www.wrn.org/sound.html>. You'll need the RealAudio player from <http://www.real.com>.

In September Cushen wrote "Memories of Radio Listening Over 60 Years." Interesting reading, indeed, at <http://navigator.co.nz/nzrdxl/atrushen.html>.

The New Zealand Radio DX League also posted a page of tributes at <http://navigator.co.nz/nzrdxl/>

[attribute.html](#).

And on our own Web site we posted a tribute written by Victor A. Goonetilleke. Dial up <http://www.trsc.com/cushen.html>.

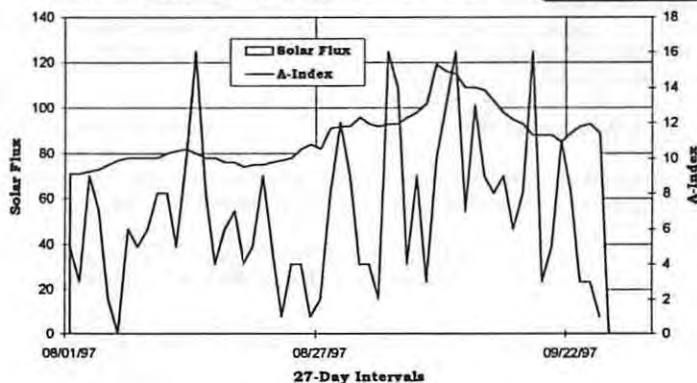
Arthur Cushen will be missed. He told wonderful stories about monitoring over the years, especially during WWII and the Vietnam war. Fortunately, much of this has been captured by Radio Netherlands as Arthur was a contributor to Media Network and its predecessor dating back to 1966.

We extend our condolences to his wife, Ralda, and family.

Other notes include the relaunch of the Radio Netherlands' Web site. Some pages were moved. If you cannot find what you are looking for, start at the top page (<http://www.rnw.nl>). One very nice enhancement is the on-line program guide tied in with the schedule.

And Glenn Hauser's Web page has moved to <http://www.grove.net/~ghauser/>, as Kevin Hecht's college studies precluded updates on his site.

Solar Flux & A-Index: August-September '97



# Contributors' Page

Fred S. Kohlbrenner  
2641 S. Shields St.  
Philadelphia, PA 19142  
Internet: fkohl@ix.netcom.com

## DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members contributed loggings:

Brian ALEXANDER, Mechanicsburg, PA	AOR AR-7030 100' LW
Gabriel Ivan BARRERA, Buenos Aires, ARG	NRD-525 32m dipole
Jerry BERG, Lexington, MA	R8 165' LW
Peter COSTELLO, Matawan, NJ	AR3030 DX-390 70' LW
J. FINDLATER, Los Angeles, CA	
Mark FINE, Remington, VA	Sony ICF-2003 ICF-SW100S 2m LW
Bob FRASER, Cohasset, MA	R8 DX-Ultra inverted V
Bill FLYNN, Cave Junction, OR	Sony 2010/whip 120' dipole RW Loop
Bob HILL, Littleton, MA	Magnavox D-2935 AN-60 antenna
Mark HUMENYK, Weston ONTARIO	R8 NRD-525 Datong FL-3 ANC-4
Fred KOHLBRENNER, Philadelphia, PA	
David KRAUSE, Eastlake, OH	
Harold LEVISON, Philadelphia, PA	R8 R70 YB400
George MAROTI, Mt. Kisco, NY	Sony 2010 30' dipole MFJ-956 tuner
Paul McDONOUGH, Medford, MA	
William McGUIRE, Cheverly, MD	DX-380
Mark MOHRMANN, Coventry, NY	NRD-535D 440' V beam @ 180 degrees
Ed MUELLER, Cornwall-on-Hudson, NY	R8 43' Eavesdropper
Gary NEAL, Sugarland, TX	Grundig YB-400
Ed NEWBURY, Kimball, NE	WJ-1000 R8 60'Sloper 20' loop
Jay NOVELLO, Wake Forrest, NC	R8A LW's
Denis PASQUALE, New Brighton, PA	Sony 2010 beverage antennas
Jim RENFREW, Rochester, NY	R8 A/D Sloper
Christos RIGAS, Wood Dale, IL	R2000 Sony 2010 and 2002 Sloper AN-1
Chuck RIPPEL, Cornland, VA	R390A R8A R1051H SP-600 51S-1 LW's
Conrad ROUTH, Chamblee, GA	NRD-535 220' LW
David ROSS, Hamilton, ONTARIO	R8A Sherwood SE-3 50' inverted L
Giovanni SERRA, Rome, ITALY	NRD-525 AD Sloper
John SGRULETTA, Mahopac, NY	NRD-515 AD Sloper Moseley trap dipole
Randy STEWART, Springfield, MO	FRG-100 w/Collins filters
Takayuki Inoue NOZAKI, Tokyo, JAPAN	
Mahendra VAGHJEE, Rose Hill, MAURITIUS	Lowe Europa 225E Sony 2010 LW ARA60
Sean WARNER, Minneapolis, MN	Drake SW8 Satellit 700 YB305 Sloper

Nice turnout this month with thirty-three members contributing items to the Journal. I hope to see more of our members contributing items as the DX season heats up.

Takayuki Inoue Nozaki's logs are from his excellent publication "Relampago DX". George Maroti's logs marked "HUN" were made while on a vacation in Pecs, Hungary.

73s until next month.



# Tropical Band Loggings

Sheryl Paszkiewicz  
P.O. Box 152  
Manitowoc, WI 54221-0152

- 2325 AUSTRALIA VL8T 8/6 1004 pops, choruses, lots of QRN (Flynn-OR)  
8/12 1030 US pops & DJ tkl (Ripp-VA)
- 2490.2 BRAZIL 98 FM 7/5 0809 TCs, campo & pops, exquisite EG soul  
version of Lennon's "Mother." ID (Mohr-VT)
- 2850 N KOREA KCBS 8/16 2020 class mx, tkl, good (Vagh-MAUR)
- 3040.2 UNID 7/12 0935 consistently hrd for last 1-1/2 mos. Ranchera  
mx, ID sounds like R Puntarey (Mohr-VT)
- 3205 NEW GUINEA R West Sepik 8/12 1051 PD tkl, best yet (Ripp-VA)
- 3210 MOZAMBIQUE Maputo 8/16 1843 PT mx, TP, nx, mx, fair (Vagh)
- 3235 NEW BRIT RWNB 8/28 1045 pop mx, lang tkl, sfx, good PNG morn  
but noisy (Nove-NC)
- 3273 MOZAMBIQUE Beira 8/16 2036 Afr mx, EG mx, SH tkl, nx, 2200  
PT nx, 2205 SH tkl & NA & off (Vagh-MAUR)
- 3290 GUYANA GBC w/VOA Relay 9/6 0125 EG nx, sports, VOA IDs, into  
GBC pgm 0136. More VOA 0400 & 0600 rechecks (Alex-PA)
- 3306 ZIMBABWE Radio 2 8/23 \*0300 ID, NA, lang pgm (Ripp-VA)
- 3315 INDIA AIR Bhopal 8/14 1900 EG/HD speech abt independence (Maro)
- 3324.9 PERU R Luz y Sonido 7/16 0933 TCs, IDs over huaynos (Mohr-VT)
- 3329.4 PERU Ondas del Huallaga 8/18 0924 huaynos & canned ID (Mohr-VT)  
8/30 1040 OA folklore, poor (TIN)
- 3330 ZAMBIA Christian Vo 9/10 0325 EG gospel mx, ID (Riga-IL)  
8/30 0447 lcl mx, tkl in lang (Ripp-VA)
- 3340 PERU R Altura 9/4 0320 Birthday song, TC, vcls (Sgru-NY)
- 3345 S AFRICA World Mx R 8/23 2142 Europops. DJ tkl, IDs //6290  
to 2159\* (Hill-MA) Is off air now per Ken MacHarg--sp 9/20  
8/17 2026 //6290 pops, ID, jingle, techno mx (Serr-IT)
- 3355.4 JAVA RRI Sumenep 8/30 1720 lagu lagu, ID (TIN)
- 3365p NEW GUINEA R Milne Bay 9/4 1045 C&W mx, EG tkl thru top of  
hour (Sgru-NY)
- 3380 MALAWI MBC 8/11 1800 EG nx & parliament affairs (Vagh-MAUR)  
8/17 2048 chorus, tkl, nx EG/Chichewa, Santana (Serr-IT)
- 3905 NEW IRELAND RNI 8/12 1058 island mx, sfx, nx (Ripp-VA)
- 3930 S KOREA KBC Hwasong 1830 long tkl in KR, TP, mx, ID, mx  
(Vagh-MAUR)
- 3945 VANUATU RV 8/30 0957 EG flute, drums, ID, pops (Maro-NY)
- 3959 INDO unid 8/16 2005 IN nx, speech, song & tkl (Vagh-MAUR)
- 3970 S KOREA R Korea 8/11 2100 history pgm in EG, ID (Vagh-MAUR)
- 3970 UNID 8/14 2257 song sounded like Abide With Me (Hill-MA)
- 3976 KALIMANTAN RRI Pontianak 2240 tkl, ID, anthem, mx, sev ads,  
ID & nx (Vagh-MAUR)
- 3985 ITALY IRRS 8/2 1930 EG ID, relayed R Horizon 92.9 (Maro-HUN)  
2030 China R Intl, IS, ID, FR pgm (Vagh-MAUR)
- 4552.3 BOLIVIA Rdf Tropico 8/30 1024 bolero, fair (TIN)
- 4599.3 BOLIVIA R Emis Villamontes 8/30 1007 "Amanacer Chaqueno" (TIN)
- 4606.4 IRIAN JAYA RRI Serui 8/30 1005 lagu (TIN)
- 4635 TAJIKISTAN Dushanbe 8/15 \*0030 IS, ID, NA (Maro-HUN)
- 4649 BOLIVIA R Santa Ana 9/4 0140 pops, trad & oompah mx, ment  
Santa Ana, sportscast, car alarm jammer ruined it (Nove-NC)
- 4696.9 JAVA RKIP Surabaya 8/30 1012 lagu popular (TIN)
- 4753.1p SULAWESI RRI U-P 7/12 0949 long tkl thru top of hour (Mohr-VT)  
alt tlks 1110 on 8/12, mx (Ripp-VA)
- 4755p BRAZIL R Educ Rural 9/12 0107 PT tkl pgm, sfx (Sgru-NY)
- 4760 SWAZILAND TWR 9/1 0330\* tkl, Afr pop, poss pgm for Tanzania  
chorus, ID, IS (Serr-IT) 9/12 0326 rel mx, chimes (Rou-GA)
- 4765 BRAZIL unid 9/12 0143 Birthday song, mx, ID & chimes, chimes  
agn at 0300\* (Sgru-NY)
- 4765 BRAZIL R Rural 9/11 0240 ID, trop mx (Rou-GA)
- 4770 NIGERIA RN Kaduna 8/4 1945 2M tkl abt Nigeria (Maro-HUN)  
9/12 0505 EG ment Nigeria, poor (Rou-GA)

4775 SWAZILAND TWR 9/12 0401 rel mx, ID, vg (Rou-GA)  
 4777 GABON RTV 9/12 2250 FR tlk, mx, ID, NA (Rou-GA)  
 4788.2v DOM REP Onda Musical 8/23 0210 preacher, ads, IDs, tnx  
 Ferguson (Nove-NC) 8/18 0034 ranchera mx, ballads, birthday  
 greetings, ID, interview pgm (Hill-MA)  
 4791 PERU R Atlantida 9/11 0030 ID, FC, NA (Rou-GA)  
 \*4800 MEXICO XERTA 8/15 0400 & 0715 romantic mx, IDs incl R Trans-  
 continental, FC, some EG & FR anmts, not hrd Sat eve/Sun morn  
 no IDs after 0806 (Berg-MA) 8/15 1035 big signal EZL mx & no  
 anmts till 1220 (Nove-NC)  
 4815 ECUADOR R El Buen Pastor, 8/23 0306\* tlk, ballads, HC mx  
 NA (Alex-PA)  
 4819.2 HONDURAS 9/12 0501 tlk, mx, ID (Rou-GA)  
 4830 VENEZUELA R Tachira 9/10 1000 rel pgm--"La Voz de la  
 Liberacion" (TIN) 9/12 0405 ID, call ltrs, NA (Rou-GA)  
 4831.9 COSTA RICA R Reloj 9/12 0605, ID, "Numero Uno en Costa  
 Rica" (Rou-GA)  
 4835 MALI RTM 8/9 1910 EG nx to 1915 (Maro-HUN) 8/17 1859 chants,  
 tlk, fair (Serr-IT)  
 4845 MALAYSIA RTM 8/15 2105 Tamil songs, weak (Vagh-MAUR)  
 4855.5 PERU R La Hora 8/23 1000 "Cosqo Llactac Taqui nin" pgm (TIN)  
 4864.4t BOLIVIA R 16 de Marzo 7/13 0926 full ID, buenos dias Bolivia,  
 huaynos & LA pops (Mohr-VT)  
 4885 KENYA KBC 8/15 2045 EG songs, TP, TC, nx, rel (Vagh-MAUR)  
 4890.2 PERU R Chota 8/28 0256\* flute/drums, rustic vcls, canned  
 ID, no anthem (Nove-NC)  
 4905 CHAD RNT 9/10 0426 IS, anthem, ID 0430 (Riga-IL)  
 4910 ZAMBIA ZNBC 9/1 0245 IS, chant, tlk, poss nx (Serr-IT)  
 4925 SUMATRA RRI Jambi 8/14 2329 IS, ID, nx, hard rock, SCI (Maro)  
 8/12 1055 trad AR like mx, no break 1100, Koran, mx, IS  
 (Nove-NC)  
 4935 KENYA KBC 8/25 0155 test tone, audio lvl too low (Stew-MO)  
 8/26 0210 EG nx, IDs, pop mx (Kohl-PA) 8/17 1903 oldies,  
 jazz, fair (Serr-IT)  
 4959.6 VIETNAM Hanoi 2 9/3 1100 tlk, slow melody, 3 TP (Nove-NC)  
 4960 SAO TOME VOA 7/11 0323 EG Afr Sports Rpt (Sgru-NY)  
 4965 BOLIVIA R Juan 23 8/30 1002 carnival mx (TIN)  
 4965 UNID 9/4 0051 ute made impossible to tell if SP or PT (Sgru)  
 4976 UGANDA RU 9/4 0247 xylo IS, NA, EG FC, hilife (Sgru-NY)  
 4985 BRAZIL R Brasil Central 8/15 0828 PT ads & ID (Mohr-VT)  
 4990 CHINA Hunan PBS 8/9 1315 CH tlks, chorus, whistle theme (Flyn)  
 4990.9 PERU R Ancash 8/30 1001 "Cushi Cushum" pgm (TIN) 8/20 0255  
 anmts, Oriental type mx, exc sig (Ripp-VA)  
 4990.9 SURINAM R Apintie 9/5 0139 sev IDs, reggae, soul (Maro-NY)  
 5005 NEPAL R Nepal 8/15 0004 tone, theme, tlk, lcl mx (Hill-MA)  
 5009.5 MADAGASCAR RM 9/10 0310 FR tlk, mx, IDs (Rou-GA)  
 5015 BRAZIL R Pioneira 9/6 0114, Braz mx pgm, IDs 0158\* (Sgru-NY)  
 5015 TURKMENISTAN TR 8/12 1930 folk mx, ment Turkmen. (Maro-HUN)  
 5020 SOLOMON ISL SIBC 8/31 1119 EG mx/tlk, ID, NA (Cost-NJ)  
 5020.2 NIGER LV du Sahel 8/19 1931 strings, tlk (Serr-IT)  
 5047 TOGO Lome 9/8 2329 FR mx, nx, NA (Rou-GA)  
 5050 TANZANIA RT 9/1 0226 Afr pops, tlk (Serr-IT) 9/10 0328 SH tlk  
 mx, ment Dar es Salaam (Rou-GA)  
 5055 FR GUIANA RFO 9/1 0339 tlk, mx, poor (Serr-IT)  
 5060.2 ECUADOR RN Progreso 9/4 0100 vcls w/strings, Andean polkas,  
 TC, IDs, steady S7 sig (Nove-NC)  
 5070 USA WPCR 8/17 0200 Spectrum abt TV in 50s (Hume-ON)  
 5076.8 COLOMBIA Caracol 8/23 1008 bolero romantico, ID (TIN)  
 5271.6 UNID 8/22 0155 Eurodance mx, echo anmts 0205\* fine sig (Nove)  
 5323.6 PERU R Origen 8/30 1120 poor w/huaynos & tlk (TIN)  
 5497.9 PERU R Lajas 9/5 0215 electronic & dance mx, LA mx, IDs, NA  
 (Nove-NC)  
 5522.2 PERU R Sudamerica 9/7 0114 canned IDs over huaynos etc (Mohr)  
 8/30 1117 folklore, ID 1123 (TIN)  
 5629.8 PERU R Ilucan 8/23 1011 Huayno Cajamarquino, msgs, ID (TIN)  
 5730 PERU R Santiago 8/23 1113 ID w/TC, 1119 rel pgm (TIN)  
 5767.2 PERU R Master 8/9 1130 folklore, cumbias, saludos (TIN)  
 5770 NICARAGUA R Miskut 8/22 0037\* Kenny Rogers, US pops, SP  
 pops, abruptly off (Alex-PA)  
 5883 VATICAN VR 8/19 1915 world nx, IDs (Serr-IT)

# International Band Loggings

Wallace C. Treibel  
357 N.E. 149th Street  
Seattle, WA 98155

- 5935 LATVIA R Latvia Int in EG 1901-1930, nx & events in Latvia, movie review (Maroti HUN 8/16)
- 60149 COLOMBIA R Mira in SP 1110, rosary at V/in, CARACOL nx 1130, fanfare 1134, canned ID, good signal w/splash from R Singapore 6015 (Novello NC 8/20) ED: Nice catch of 3 kw station in QRM
- 6015 SINGAPORE RSI in EG 1100, nx, good ID's, pgm preview, //6155 (Newbury NE, Novello NC)
- 6025 DOMINICAN REPUBLIC R Amanecer Int in SP 2253, ID, mx, relig tk (Mohrman VT 8/25)
- 60453v PERU R Santa Rosa in SP 0939, tlks, short hymn, canned ID, more tk (Mohrman VT 8/15)
- 6055 RWANDA R Rwanda Kigali in FR 2002, ID, Afro pop mx (Maroti HUN 8/2)
- 6055 SPAIN REE in EG 0003, nx re violence in Algeria & other Mideast affairs, ID (Newbury NE 8/31)
- 6070 THAILAND R Thailand in Thai 1500, continuous vcls, nx?, tlks (Vaghjee MAURITIUS 8/15)
- 6100 NEW ZEALAND RNZI in EG 1040, mailbag, DX tips, rpt on Montserrat (Fraser MA, Krause OH)
- 6120 CANADA R Japan relay in EG 1115, interview on life of JP war bride in the U.S. (Fraser MA 8/14)
- 6135 MADAGASCAR RTVM in lang 0900-1500\*, lcl mx, tk, ID, plane skeds (Vaghjee MAUR 8/17)
- 6150 PORTUGAL RPI in EG 0330, guitar s/on, nx re bus crash in France, //9570 (Newbury NE 8/15)
- 6165 CHAD R N Tchadianne in FR 2201\*, in the clear after CRI via Switzerland s/off 2157, jazz-rock mx 2 pips 2200, ID's & NA at s/off, //49045 (Novello NC 9/2) Tnx to M Veldhuis tip in #swl
- 61832v BRAZIL R N Amazonia in SP \*0854, IS, ID's, ads, jingles, BR pop mx, exc (Alexander PA 9/6)
- 6195 ANTIGUA BBC relay in EG 1025, "Newsdesk", rpt on Russia's Air Force Day (Fraser MA 8/17)
- 6200 IRELAND United Christian Broadcasters in EG 2333, gospel mx, tk, fair sig with QRN (Fine 8/30)
- 6200 CZECH REPUBLIC R Prague in EG 0100, Czechs thank Germany for flood help (Pasquale PA)
- 6290 SOUTH AFRICA World Music R in EG 2159\*, US pop mx from 70's-80's, ID's, Denmark QTH, E-mail addr, phone # for requesting songs, //3345 (Alexander PA 8/23, Serra ITALY 8/17)
- 65358 PERU R Huancabamba in SP 0856, s/on ancmr over "El Condor Pasa", NA (Mohrman VT 8/22) ED: Another solid catch if the reported (in PWBR) xmtng power is only 800 wats.
- 67255 PERU R Satelite in SP 0230, huanos, ID 0246, back to nonstop huanos (Rippel VA 8/20)
- 67972 PERU R Ondas del Rio Mayo in SP 0209\*, LA & Andean mx, s/off w/ NA, p (Alexander PA 8/23) in SP 1050, ID then saludos and chicha, f (TIN)
- 6900 TURKEY Turkish Meteorological Service in TK 0433, continuous local mx, 5 kw xmtr (Rippel VA)
- 6940nf7 ETHIOPIA R Fana in lang \*0327-0359, IS, ID, nx, pop mx (Maroti HUN 8/10)
- 70405v PERU R San Ignacio in SP 0005\*, OA campo mx, ancmr, relig tk, hymns, ID "...transmite Radio San Ignacio...", huanos, NA at s/off (Mohrman VT 7/4, Alexander PA 8/23 & 9/6)
- 7090 ANGOLA A Voz da Resistencia da Galo Negro in PT \*0450-0600+, Afro pop mx, ID, IS of cock crows & 9-note tune, NA, speech, some QRM from hams (Novello NC 8/23, Alexander PA 8/23)
- 7130nf7 MALAWI MBC in lang 0945, ID, ad, OM reading lists of names, EG song (Vaghjee MAUR 8/11)
- 71418v PERU R Ayabaca in SP \*1153, mostly huanos mx, TC, p (Mohrman VT, TIN JAPAN)
- 7250 INDIA AIR Panaji Goa in lang 0128, IS, subcont mx, heavy ham QRM (Sgrulletta NY 9/12)
- 7265 GERMANY Sudwestfunk in GM 0330, mx by Robert Palmer, DJ tk, f (Humenyk ONT 8/10)
- 7295 MALAYSIA RTM Radio 4 Kuala Lumpur in EG 1045, local reggae, Euro-dance, pop oldie rx, DJ chatter, Radio 4 ID's, pips 1100, nx, sig strong but watery-sounding (Novello NC 8/26)
- 7320 UKRAINE R Ukraine in UK 1336, tl on UKR economics, ID, political tk (Serra ITALY 9/2)
- 7465 ISRAEL Kol Israel in FR 1936, nx re Palestine, Israel, Arafat etc., ID, f (Humenyk ONT 8/3)
- 7480 BULGARIA R Bulgaria Int in EG 2304, nx pgm w/classical mx mixed in, wx, ID (Mueller NY 9/2)
- 7935 CHINA CPBS-1 Beijing in CH 1615, CH mx & anmts, //7504, 9080, 9290 (Serra ITALY 8/17)
- 8098 lsb ARGENTINA Feeder for FM R Rivadavia in SP 24 hours, soccer match, SP pop mx 0135-0200+ (Alexander PA 8/23) spiritual tk, futbol promo, ID, nx 0158 (Mohrman VT 9/7) nx flashes, canned ID, slogan, newscast at 1100, QTH Rivadavia 825, Buenos Aires (TIN JAPAN)
- 9415nf AUSTRALIA RA in EG 1205, "Country Music Time on National Radio", g (Fraser MA 8/17)
- 9430 SWEDEN R Sweden in EG 0330, ID, fqy, sked, cultural pgm, g (McGuire MD 8/24)
- 94851 PAKISTAN R Pakistan in Urdu 1448, local songs, ID 1459, classical mx, nx (Serra ITALY 9/1)
- 9510 SOUTH AFRICA Trans World R in EG 2059\*, relig mx, gospel, ID, exc (Humenyk ONT 8/3)
- 9590nf USA V of Greece relay Greenville in GK 1330, GK mx, nx in EG 1340, g (Rigas IL 9/8)
- 9595 JAPAN R Rampa in JP 1059-1130, TC, ID, US & UK pop mx rx (Maroti NY 8/31)
- 9655 TURKEY V of Turkey in EG 0310, ID, nx re foreign minister's visit to Italy (Newbury NE 8/29)
- 9665 MOLDOVA V of Russia relay in EG 2129, E-mail QTH, bridge mx, nx, ID (Humenyk ONT 8/3)
- 9675 ITALY RAI Rome in EG 2325+, nx, opera sels, ID (Pasquale PA, Humenyk ONT, Levison PA)
- 9690 SPAIN China R Int relay in CH/EG 0206-0320, nx in CH, into EG 0300 (Humenyk, Newbury NE)
- 9710 AUSTRALIA RA in Pidgin 1040, nx & sports of Papua-New Guinea, g (Fraser MA 8/18)
- 9855 GERMANY R Vilnius relay in EG 0030, rpt on gang war in central Lithuanian city, business and politics nx pgm (Pasquale PA 9/1, Mueller NY 9/2)
- 9870 AUSTRIA R Austria Int Vienna in EG 0057, mx on Anton Bruckner, fqys in GM (Levison PA 8/20)
- 9880 KUWAIT R Kuwait in AR 1746, nx?, ID at end of tk, anmts, AR song (Serra ITALY 8/19)

- 9965 ARMENIA V of Armenia in EG 2030, ID, nx, Armenian president visits Moscow, mx sels, sked, (Pasquale PA 9/1, Levison PA 8/24) in SP 0243, V of Russia relay, mx sels, f (Humenyk ONT)
- 9975 NORTH KOREA R Pyongyang in SP 1315, lcl mx, tlk, ID?, hymn, ancmts (Serra ITALY 9/2)
- 9985 PALAU KHBN in Tagalog 1155, Christian mx, ID in EG 1202, f (Costello NJ 9/1)
- 10260 CHINA CPBS Minorities pgm in Kazakh 1414, tlk, nx?, ID, carrier off 1427 (Serra ITALY 9/1)
- 11550 TAIWAN VOFC in CH \*1300, s/on VOFC pgm tho listed as WYFR EG relay (Stewart MO 8/25)
- 115651v PAKISTAN R Pakistan in EG 1600, slo-speed EG nx bulletins to ME/Africa (Novello NC 8/13)
- 11580v PAKISTAN R Pakistan in Urdu 1700, listed 11570, marches, chorus, film songs, ID (Novello 9/3)
- 11600 CZECH REPUBLIC R Prague in EG 2130, nx, nx cmntry, mx bks, ID, f/o 2144 (Krause OH 8/24)
- 11720 BULGARIA R Bulgaria Int in EG 2130, pgm on business, blues mx (Mueller NY 9/2)
- 11780nf USA V of Greece relay Delano in GK 1900, pips, ID, fgy, sked, tlk w/head of VOG re future of VOG ext service, //17745 Greenville relay (Rigas IL 9/10) in EG 2000, nx, GK mx (Krause OH 8/2)
- 11785v nf IRAQ R Iraq Int in FR/EG 2215, ID, long tlk re Iraqi geology, AR mx, f-g, bubble jammer splat (Alexander PA 8/22) in AR 0244, tlk, into GE 0258 w/ID, nx recap, QRM Qatar at \*0245, p audio (Stewart MO 8/24-25) in EG 0359\*, ID, political cmntry, AR mx, f (Findlater CA 9/7)
- 11794v BRAZIL R Guaiba Porto Alegre in BR PT 0226, up from nominal 11785v, segued ezl instrmls, ads, ID, into "Noturno Guaiba" a pgm of BR lite pop vcls, 5 pips every 15 mins (Hill MA 8/24)
- 11805 BRAZIL R Globo Rio de Janeiro in PT 2154, call-ins, ID, f/ til RAI \*2227 (Sgrulletta NY 8/24)
- 12085 MONGOLIA V of Mongolia in EG/RS 1255-1330, EG pgm wrap-up 1255, ID, sked, QTH, IS, into RS service 1300, f w/splash from Madagascar 12090 (Novello NC 8/19, Warner 8/19)
- 13525 usb AUSTRALIA Australian Def Forces R in EG 0535, pop mx, nx & sports by OM (Costello NJ 9/3)
- 13580 CZECH REPUBLIC R Prague in EG 1300, nx, ID, tlk on foreign affairs, press review (Krause OH)
- 13625 SWEDEN R Sweden in EG 2032, soul singer from Israel, interview, ID, g (Levison PA 8/24)
- 13625 FRENCH GUIANA R France Int relay in FR 1300, tlk on media, pips, nx, g (Humenyk ONT 8/10) in EG 1206, tlk re stories that made FR newspapers, tlk re childrens' books (Krause OH 8/19)
- 13760 NORTH KOREA R Pyongyang in EG 2133, mailbag pgm, tlk re nat anthem, ID, exc (Fine 9/7)
- 13805 NORWAY R Norway Int in EG 1220, rpt on film festival awards (Fraser MA 8/17) EG on Sun only
- 150098 VIETNAM V of Vietnam in EG 1336, nx by YL, tlk by OM on rice exports, f-p (Stewart MO 8/25)
- 15050 INDIA AIR Aligarh in EG 1026, HD song, ancmt, ID's, tourism in India, f-p (Serra ITALY 8/16)
- 15170nf MONGOLIA V of Mongolia in EG 0859, welcome, ID, fgy, ancmt, lcl song, vp (Serra 8/17)
- 15160 ALGERIA RTV Algerienne in EG 2005, pop mx, ID, breif nx items 2015 (Kohlbrener PA 8/27) in SP 1945, mx, cmntry by OM, jamming, p (Humenyk ONT 8/10)
- 15435 JORDAN R Jordan in AR 0013, taped speech by OM, QRM from Libya, g (Humenyk ONT 8/17)
- 15475 GABON Africa No. 1 in FR 1731, Afro pop mx w/DJ, ID's during tlk, f w/QRM (Serra 8/19)
- 15665 NORTHERN MARIANAS KHBI Monitor R in EG 1038, relig pgm, //15725 (Serra ITALY 8/16)
- 17575 FRENCH GUIANA R France Int relay in EG 1235, "Club 9516", features (Fraser MA, Krause OH)
- 17840 ANTIGUA BBC relay in EG 1700, nx, Diana's 'driver drunk at time of accident' (Newbury NE 9/1)
- 21455 usb ECUADOR HCJB Quito in EG 0105, first time reception of HCJB at this high fgy with nx & mx, f/o ten mins after tune in (Krause OH 8/11) ED: A rare one during this sunspot cycle at 500 watts!

#### TENTATIVE, PRESUMED, OR UNKNOWN

- 59836v BOLIVIA? in SP & dialect 0909, interview, pan pipe Andean mx bks, ID? "Cochabamba?", ads, promos, buried by VOA \*5985 (Mohrman VT) ED: Could be reactivated 59742 listed WRTH
- 60149 COLOMBIA R Mira? in SP \*1057+, relig pgm, NA of Colombia, ID not readable (Novello NC)
- 60698 INDONESIA RRI Jayapura(p) in IN 1050, pop vcls w/DJ, buried by CFRX 1102 (Novello NC)
- 60852 BOLIVIA R San Gabriel(p) in Ayмара(p) 0934, crowd noises, march themes, QRM (Hill MA)
- 62366 DOMINICAN REPUBLIC? R Quisqueya(p) in SP 0136\*, lively LA mx, no voice (Alexander PA)
- 68951 PERU R San Miguel(p) in SP 0210, local mx & mensajes, no understandable ID's (Novello NC)
- 7110 ETHIOPIA? R Ethiopia(p) in lang? 0330, weak audio, mx, tlk, usual ham QRM (Stewart MO 8/24)
- 7175 CHINA China R Int relay in FR/CH 2153-2255\*, unlisted relay //7800, IS "East is Red" at 2200, followed by ID in CH, tlks, probable European relay site? (Hill MA 8/13)
- 7280 INDIA(p) AIR Guwahati in HD? 1125, songs, sitar mx, no ID, abrupt off 1145 (Novello NC 9/4)
- 11292 IRAQ(p) Unidentified in AR 2158-2305\*, AR mx, tlk, 5 pips on hr (Alexander PA 8/22, Ross 8/9)
- 119403 CAMBODIA? in Asian langs 1231, pop mx, ments of Kampuchea, heavy QRM (Stewart MO 8/25)
- 13845 ANGUILLA? Dr Gene Scott's sermon on this fgy appears to be via WWCR rather than a NF for Anguilla direct as reported in this column in July issue (Sgrulletta NY 7/20)
- 15075 GEORGIA? IBC Tamil lang best 1347-1354, 'IBC' ID 1352, strong sig but poor audio, abrupt s/o, xmtr site assumed to be in Tbilisi aimed at European & Sri Lankan Tamils (Warner 8/25)
- 15140 UNIDENTIFIED Mid Eastern pgung 1100-1400, low audio, buried by HCJB \*1400 (Hill MA 8/18)
- 15325 BRAZIL(p) R Gazeta(p) in PT 0125, taped for 2 hrs but no ID, usual BR pgm fare (Novello 8/13)
- SPECIAL PROGRAM**
- 5935 LATVIA "The Media Zoo via Country Music Radio", a U.K. pgm best concurrently on satellite, FM and SW commemorating 8/14/67 when most British offshore stations closed down by the Marine BC Offenses Act. Hrd from 2200-0001\* on 8/14/97. Pgm was old Europerate tapes, several ID's, songs, rousing speech re the fight for free radio. Ancmt thanking Latvian xmtr site as SW outlet, promo for "safer sex", offered special commemorative QSL for reception rpt (Berg MA)

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