

**NASA**

the  
**JOURNAL**

**NORTH AMERICAN SHORTWAVE ASSOCIATION**

VOLUME XXXVIII NUMBER 8

AUGUST 1998

**RADIO SLOVAKIA INTERNATIONAL**



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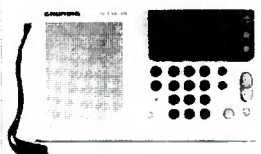


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116 pages

## COMMUNICATIONS CATALOG

Universal's free 1998 Summer Catalog 98-06 covers everything for the shortwave, amateur and scanner enthusiasts. With informative photos and full descriptions. To request your copy please call toll-free: 1 800 431-3939

As mentioned by Don Jensen in last month's Country List Committee ("CLC") column, Gerry Dexter has stepped down from the CLC after numerous decades of service; some of them productive. Generally speaking, Señor Dexter did most of his country list research during happy hour at his favorite watering hole. However, from time-to-time, he would issue extremely long, detailed correspondence to his fellow members of the CLC justifying why the list should better match his logbook. Nevertheless, his contributions over the years have been invaluable. Who else but Gerry would have thought about Alabama as a separate country? Thanks to Gerry's creativity and hard work, we have over 1500 radio countries on his version of the club's list. As Gerry is fond of saying, "amazing!" Recently, the Executive Council, in a close 4-3 vote, passed a resolution thanking him for his many years of service. A last minute attempt to insert the word "outstanding" between the words "many" and "years" was defeated 7-0. On behalf of the Executive Council, the editors, and the entire membership we wish Gerry Dexter the best in his retirement as a member of the CLC; a retirement some say began almost 35 years ago.

In September, Adventist World Radio's DX program, Wavescan, will be conducting a contest to find the World's Largest QSL Card. Listeners are invited to check their QSL collections and to list their three largest QSL cards. Additional points may also be scored by providing details of very rare AWR cards. The concept for this contest grew from the 1997 World's Smallest QSL contest after several listeners suggested the idea. Full details will be given over Wavescan. In the

### 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 WIEXZ 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)>. If you miss the net, you can hear it in RealAudio on the Internet, on Dave Kirby's home page, <<http://www.ncweb.com/users/dkirby/>>. Dave also posts text versions of loggings.

last two years, members Bill Matthews and John Wilkins have won the AWR contests. Good luck to all our members that will be participating.

The summer doldrums are almost behind us. For me, the Labor Day Weekend generally marks the beginning of the new DX season. Therefore, there is only one more month to go before things begin to pick up! Let's make it a new (DX ) year to support our hard working Log Report editors with plenty of loggings this season.

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

- Aug'98 Convention.** The 1998 IRCA Convention will be held in Missoula, Montana the weekend of August 14-15-16. Every BCBDXer, whether an IRCA member or not, is cordially invited to attend. Further information can be obtained from Larry Godwin, 2390 Clydes Dale Lane, Missoula, MT 59804, USA or e-mail at lbg@selway.umt.edu.
- Aug 21 Meeting. Philadelphia Area NASWA Chapter.** Kulpville Holiday Inn, Kulpville, PA at 7:30 PM. For more information contact Dan Cashin at 215-446-7831.
- Aug 21 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 978-470-1971 or Internet: 74007.3434@compuserve.com. The URL for the BADX guys is <<http://www.anarc.org/naswa/badx/>>.
- Aug 28 Forum.** BADX, The Boston chapter of NASWA, will host an SWL session at the ARRL New England Division Convention in Boxboro, MA on August 29, 1998. We are proud to announce that BADXer Gary Thorburn, KD1TE, will chair a panel of experts who will focus on "Expanding your HF Horizons: The World Between the Ham Bands".
- 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. The conference agenda includes: a visit to longwave station Radio Station Grimeton; the usual talks and group sessions; a reception hosted by Teracom, and of course the traditional EDXC banquet. The conference fee is 850 SEK (950 SEK after 15th of June) and it covers your registration, lunches, excursions, receptions and banquet. You have to arrange your accommodation by yourself. The following URL contains more information about the meeting, hotels, traveling etc: <[http://hem1.passagen.se/sm6kri/edxc/edxc\\_98.html](http://hem1.passagen.se/sm6kri/edxc/edxc_98.html)>. You can also write to EDXC'98, The Radio Museum, A Carlssons gata 2, SE-41755 Gothenburg, Sweden.
- Sep'98 Convention.** The annual National Radio Club Convention will be held 4-7 September 1998 at the Best Western-Oak Hills; 7401 Wurzbach Road, San Antonio, TX 78229. 1-800-468-3507 (\$52 Singles; \$47 each for Double Rooms (two beds) and breakfast is included). Registration is \$40 and includes Saturday banquet and all the soda/beer and snacks during the weekend. Registration should include your name and the name of any guest. Send that along with \$40 each to: Mr. Dale Hamm, 11313 January Drive, Austin, TX 78753-2915.
- Sep 11 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.
- Sep 11 Meeting.** The Tidewater SWL's meet at 6:30 PM. For more information plus meeting location contact Joe Buch at joseph.buch@dol.net
- Sep 11 Meeting. The Cincinnati/Dayton Monitoring Exchange (MONIX)** meet at the Lebanon Citizens National Bank on U.S. Route 42 in Mason at 7:00 PM. For more information contact Mark Meece at 513-743-8089 or e-mail at <[mmeece@siscom.net](mailto:mmeece@siscom.net)>. For additional information about MONIX, check out their web site at <<http://www.siscom.net/~mmeece/monix.html>>

(continued on next page)

## Calendar of Events (continued)

**Oct'98 Convention.** Radio Fest 98 will be hosted by the Ontario DX Association (ODXA, P. O. Box 161, Station A, Willowdale, Ontario M2N 5S8, Canada or e-mail at 70400.2660@compuserve.com) at the Mohawk College in Hamilton, Ontario on 2-4 October 1998. The registration fee is \$15.00 for the entire convention and \$5.00 for one-day.

**Mar'99 Contest.** 1999 North American DX Championships. Further information will be published in the Journal or you can send a self-addressed stamped envelope to 1999 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606.

**Mar'99 Convention.** The 12th Annual Winter SWL Festival will be held at the Kulpville Holiday Inn (Exit 31 on the Northeast Extension of the Pennsylvania Turnpike) on 12-14 March 1999. 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>.

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

## Musings

*This column provides a forum whereas 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 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*

**Bill Crookham, P. O. Box 520, Caldwell, ID 83606-0520**

As a relative newbie to SWLing, my first visit to the Annual Winter SWL Festival in Kulpville in March was most rewarding. Great people who were most patient in answering typical newbie questions. And great programs, some of which blew over my head but were a challenge for another day.

The price is right. The only pricyness was my airfare and shuttle costs from Idaho to Kulpville.

How nice it would be to have something similar to a SWL Festival for the left coast. Goodness knows, a SWL population base is here. Maybe an area NASWA Chapter would meet our left coast needs. Maybe we could come up with a formidable organizing force as the "gang-of-three" in Kulpville. But I doubt it.

Sincerely, Wild Bill

## 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).

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

In the Shortwave Center, Larry Nebron reports on his visit to KGEL-The Voice of Friendship, Don Jensen presented the third of his six part "On To The Top" series and Raymond Thompson reviewed the Heathkit SB-313 SWL receiver. Ed Shaw was appointed the new Reprint Manager. Dan Ferguson, at Headquarters, assumed Shaw's "Mail Call" duties. Among the photos in Friendx were members Wallace Treibel, Danny Jamison, Bruce Churchill, Dan Ferguson, and Dan Henderson. In the Listeners Notebook column, Dan Jamison presented the results of five most desired shortwave stations to receive survey: FIBS, Falkland Islands; Gronland's Radio, Greenland; Radio Maldives; Radio Ulan Bator, Mongolia; Radio Vila, New Hebrides. In the QSL Report, editor Larry Yamron notes that Radio Belgrade, Yugoslavia has started to QSL again. The first William P. Eddings Memorial Award to honor a member who has demonstrated the spirit of Unity and Friendship went to Miss Diane Levesque for her artistic efforts in Friendx.

## Welcome to the following new NASWA members

Harry S. Aust, Greenwood, MS  
Thomas F. Black III, Hope Valley, RI  
John Butchyk, Succasunna, NJ  
Bob Felton, Wake Forest, NC  
Robert Fennema, New Bern, NC  
Jim Kershner, Honolulu, HI  
Gaston Mascarenas, Chandler, AZ  
Chuck Meaney, Arlington Heights, IL  
Rumen Pankov, Sofia, BULGARIA

James R. Ritter, Rome, OH  
Robert Schoonard, Newburgh, IN  
Bob Scull, Pittsgrove, NJ  
Ronald Spears, North Augusta, SC  
Homer E. Stivers Jr., Orlando, FL  
John Sutch, South Bend, WA  
William Wiley, Hainesport, NJ  
James Edward Yacos, Hanover, NH

## NASWA

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

**NOTICE: Winter Monges in Venezuela has set up a "Venezuelan QSL Help Page" on the internet at <<http://members.tripod.com!/wintermonges/index.html>>. You can e-mail Winter at <[wintermonges@yahoo.com](mailto:wintermonges@yahoo.com)>. The postal address is Venezuelan QSL Help, c/o Winter Monges, P.O. Box 1.116, Barquisimeto 3001-A Lara, Venezuela. Phone 58+51+660462 after 0130 UTC.**

**NOTICE FROM THE COMPANY STORE: Kris Field reports that there are no more French Language Lab books available. They are now out of print. Also, Joe Carr's "Receiving Antenna Handbook" will not be available until September. Note, too, that Dan Cashin is taking over as storekeeper. Check the address on the inside back cover. Kris deserves a big hand for the fine job he did over the past few years.**

# Easy Listening

John Figliozzi  
45 Algonquin Road  
Clifton Park, NY 12065-7703  
Internet: jfiglio1@nycap.rr.com

If this month's column appears to be more eclectic and opinionated than usual, it's only because it is. All Times are in UTC. All frequencies are in kHz.

## For Good People to Do Nothing...

More bad news caused again by another horrendous (and, in my view, most intentional) political judgment. By the time you read this, **Radio New Zealand International (RNZI)** will have implemented a drastic reduction to its broadcast output on a number of levels. After apparently promising stable funding for the next fiscal year, the New Zealand government (putting a new spin on the word "stable") slashed RNZI's budget by 13% on July 13. In the inimitable logic of today's "neo-liberal" (Orwellian newspeak for "conservative in sheep's clothing") governments, the cuts were put in place after three successive government sponsored reviews conducted by independent analysts attested to the cost-effectiveness of RNZI and the trust and reliance that Pacific Island nations and peoples place on the service.

The broad result is that RNZI transmissions are reduced by 12 hours per week, with closedown now at 1015. (It had been 1205.) RNZI's own programming is cut from 11 to 5 hours daily with the elimination of "evening" broadcasts (all those previously on from 0400, with the exception of a Pacific Islands news bulletin at 0400 and occasional cyclone warnings broadcasts). This means the loss of all the popular Pacific Island language music request programs (*Calling the Cook Islands*, *Calling Samoa*, etc.) and a number of English language features including Rudi Hill's *On the March*. (The fate of RNZI's listener feedback program *Mailbox* was "uncertain" at deadline.) The latter reductions stem from the the loss of an

equivalent of 25% of RNZI staff. RNZI will now be run by a staff of only 9!

Therefore, RNZI programming will consist solely of relays of the domestic service, **National Radio**, between 2230 and 1015 daily. RNZI-produced programming, to the meager extent it remains, will be confined to "mornings" (1730 to 2230) with the only Pacific Island language programming retained being short local news broadcasts in Samoan, Cook Islands Maori, Tongan and Niuean.

RNZI is to "celebrate" its 50th anniversary on September 25.

Coming little more than a year after the Australian government's crippling of **Radio Australia** through budget reductions and closure of the Darwin transmitting site, the international broadcasting picture in the South Pacific is bleak indeed. To characterize these cuts (as the current Australian and New Zealand governments have) as "necessary in the current economic climate" or words to that effect is to insult any sentient being with a measurable IQ. (RNZI's total budget is now the equivalent of US\$700,000—money any government can fritter away in a matter of minutes.)

The slow, but steady strangulation of international public service broadcasting continues apace. But let's all sit on our collective hands—we clubs, members and listeners who profess to love and support it—for a little longer, eh?

(By the way, the (para)phrase in the header of this article begins, "All that's needed for wrong to succeed is...")

[Source: Bryan Clark, NZRDXL via Paul Ormandy post on rec.radio.shortwave]

## The Program Exchange

Thanks to Gene Borowski, Peter Bowen and Richard Cuff (familiar name, just can't place him...) for these contributions to the Exchange this month. Gene starts by offering his views on *Hello from Tokyo* and *Brussels Calling*.

*Hello From Tokyo* (Radio Japan, Sun. 1110 on 6120 and Mon. 0010 on 11705) is a good blend of news, pop music, current affairs, features, listener letters and reports on life around Japan. The Sackville relay usually provides an excellent signal for pleasant easy listening on the east coast. Hosts John Hanlon and Mari Kishi make a good team and keep the program moving along. However, a surprise phone call placed to a lucky—but usually unprepared—listener each week can sometimes be painfully awkward.

*Brussels Calling* (Radio Vlaanderen Internationaal, Daily 1230 on 15545), taken as a whole (a full schedule of features is provided later in this month's EZL), is a good mix of news, press reviews, information about Belgium (with an emphasis on Dutch speaking Flanders), features and music (the very pleasant *Music from Flanders*, mostly classical, on Saturdays). With only 25 minutes a day to work with, each feature moves along at a brisk pace. The only drawback is the station's inconsistent signal and occasional interference that can make it tough to catch and listen to at times.

Rich suggests you try a BBC institution.

*From Our Own Correspondent* (BBC, 30 min. version: Sun. 0330 on 5975/6175; 15 min. version: Thu. 0030 on 5975/6175/9590, rpt. 1145 on 5965 and 1730 on 15480/15575/17840) showcases one of the BBC World Service's greatest assets—its worldwide network of correspondents which provide dispatches to the network's various news and feature programs. By being locally based, these correspondents can provide much greater depth to their reporting than a news organization that sends reporters around from

crisis to crisis. A side benefit of having this horde of field correspondents is that they can unearth many interesting stories that don't have the urgency or impact sufficient for a strict news program but can provide very insightful background on current affairs—which is just what *From Our Own Correspondent* does. One especially interesting aspect of the program is that the correspondents get to interject some of their own personality into the reports, which isn't practical in their reporting of hard news. One gets to see a bit of the human side that drives the distinctiveness of the World Service's news programming. It's as though these folks carry around little notebooks everywhere they go, and when they come across something interesting, they pass it along to us listeners via the program. Locations and subjects of the reports comprising the program vary from week to week, although the format is consistent. If you enjoy listening to BBC correspondents, and you enjoy hearing about interesting items that don't make the front pages or the news summaries, *From Our Own Correspondent* is highly recommended.

Peter comments on my review of *Late Night Live* last month. "Although I agree with all of your comments about RA's *Late Night Live* program, there are a couple of minor aspects about it that I don't like...Firstly, Phillip Adams, although no doubt a very talented interviewer, frequently interrupts speakers as they are speaking, in order to ask other questions or put his own views forward. This bugs me, as it means that I don't get to hear what the speaker wants to say. Secondly, he too frequently expresses his own personal views and biases, viz. his thoughts as seen from the liberal/progressive left.

"Although I don't mind an interviewer having specific views (most do, of course), I find that Phillip's frequent raising of these views becomes rather tiresome and tedious if one is a frequent listener." Fair enough, Peter! That's what this part of EZL is supposed to be all about—listeners exchanging views about programs.



Peter goes on to say, "I'm glad to see that you have initiated a feature that solicits comments from readers on the content of programs. This is something that I would like to see more of in the hobby press, both the paper and electronic press."

Here's hoping the rest of you have similar sentiments and that next month we'll see YOUR contributions in this space!

## China Radio International Highlights

[All programs during second half-hour of these hour-long broadcasts to North America: 0300 on 9690, 0400 on 9560 and 9730, 1300 and 1400 on 9705.]

August 5's *Voices from Other Lands* examines Canada's insurance and social security programs....August 16's *Music from China* features Chinese Golden Record prize winner Dong Wenhua....August 23's *Chinese Folktale* explains the mystery of the Crescent Moon Spring in the Gobi Desert....The topic of August 24's *Listeners' Letterbox* is Esperanto....The *Song of the Week* on August 24 is "Green Leaves' Affection for Roots" which sensitively describes a parent's feelings watching a child grow to adulthood....*Listeners' Letterbox* is celebrating the 20th Anniversary of China's "reform and opening policy" by inviting listeners to comment, send articles or record cassette tapes concerning changes in China over the past two decades. "Whatever you'd like to say, whatever your thinking, we'd like to hear your views." Write to: English Dept., CRI, Beijing, China 100040; or e-mail to: <crieng@public.bta.net.cn> .... According to the CRI bi-monthly magazine, *The Messenger*, CRI plans to sharpen the focus and develop new programs on Chinese youth, the role of women in China and China's 20 years of reform.

[Source: CRI bimonthly *The Messenger*]

## BBC World Service Highlights

Speaking of sharpening and focusing, space limitations dictate a more succinct listing of BBC programs this month.

[Listings are for the Americas/Europe stream. Frequencies for North America at 1000-1800 and 2100-0700 include from time to time 5965, 5975, 6175, 6195, 9515, 9590, 9895, 11865, 15220 and 17840.]

### The Proms '98

Concert broadcasts for the Americas on 1st, 5th, 7th, 8th, 13th, 14th, 18th, 21st, 23rd and 29th begin at 0300, 0301, 0305 or 0310 and continue to 0400....*How to Listen*, which previews some of the music and describes what the composers were trying to accomplish, has a 6-week run beginning on August 2 and 3. (Sun. 0130; Mon. 1515)

### New and Returning Features

*International Question Time* returns for 8 weeks on August 2 (Sun. 1401)...*Bringing Up Baby* explores how the idea of a "good childhood" varies around the world in a new 6-part series starting August 11, 13 and 14 (Tue. 0145; Thu. 0530, Fri. 1230)....*The Edge* is a new program targeted at under-25s with a mix of serious and not-so-serious news, pop chat and performances, comedy and updates on British youth culture premiering August 16 and 17 (Sun. 1730; Mon. 1430)....*Shadow Boxing on the Path to Nirvana* explores the religious and spiritual dimensions of the martial arts in a 4-parter starting on August 16 and 18 (Sun. 1701; Tue. 0630, 1130)....*Elementary* is a new science game for people who think they know nothing about science beginning August 17 (Mon. 1530)....A second opportunity to hear the Sony Award-winning four part series *Songs of the Sufi Mystics* begins on August 29 and 31 (Sat. 1030; Mon. 0430, 2130)....*Joe Strummer's London Calling* allows the former leader of "The Clash" to give listeners an insight into the "rock life" and his selections of cutting edge music from the London scene in a 4 week series starting August 31 (Mon. 1530)....*Brain of Britain*

returns August 31 and again there are no times for the Americas. Nonetheless, try European frequencies 15480 or 15575. (*Mon. 1830*).... *Come Inside* looks inside eight very different homes in Britain starting August 31 and September 4 (*Mon. 0145; Fri. 0645*).

A reminder that several programs carry over from July. Check July's EZL for details.

[Source: *BBC On Air, BBCWS Press Information*]

## Radio Vlaanderen International Program Grid

1230 *Daily News* (emphasis on Belgium/Europe)

1234 *Su. Radio World* (for radio hobbyists w/Frans Vossen); *M-Sa. Press Review*

1237 *M-F Belgium Today* (current affairs); *Sa. Music from Flanders* (Belgian concerts/performers)

1243 *M/Th. Around the Arts* (cultural events in Belgium); *Tu. Focus on Europe* (events/issues in Europe); *W Rockspot* (a Belgian rock band); *F Economics* (business)

1244 *Su. P.O. Box 26* (listeners' letters)

1248 *M Tourism in Flanders* (travelogue); *Tu. Sports* (Belgian/European reports/scores from weekend); *W Green Society* (environmental report); *Th. Around Town* (events in and around Belgium); *F International Report* (comment/analysis of world events)

(all on 15545 kHz. to North America)

[Source: RVI website]

## In Brief...

Sorry, no details available about **Radio Netherlands** programming this month.... **HCJB** changes to the Americas: *Saludos Amigos* has a new host—Leonard Kinzel—and has

moved to *Sundays* (0030 and 0500) exchanging places with *Musical Mailbag* which has expanded and moved to *Mondays* (0110 and 0410). *Morning in the Mountains* now starts a half-hour earlier (*Mon.-Fri. 1130*). *Precept, Getting the Message* and *Proclaim!* now start at 1300 daily. With Ken MacHarg's departure from Quito, *Simply Worship* replaces *The Least of These* on Tuesdays UTC (0200 and 0500). (A personal note: The loss of *The Least of These* is most regrettable. It was an uncommon and important look at global poverty and those working to alleviate it.)...Harold Sellers informs that a new station, **Radio Voice of Canada** (formerly **Radio Asia Canada**), has emerged with a one hour English language news broadcast (2100 and 2200 on 15560 kHz.) via Jülich, Germany. What's unusual about this broadcaster is that it is professing to portray Canada to the world (isn't this RCI's mandate?) in a Sri Lankan accent. The station also broadcasts in Tamil six hours a day and says it is planning to expand its language offerings and broadcast day. Some observers have expressed doubts and suspicions about the station's origins and intentions....**Merlin Network One** will broadcast a 48 hour long **Radio Festival** on August 14 and 15 to celebrate over 30 years of commercial radio in the UK. Program segments from **Radio Caroline**, **Radio London**, **Rock Radio Network** and **European Klassic Rock**, among others, are planned. *Slated to start at 0001 on August 14*, the Festival will be broadcast on shortwave, but frequencies were unannounced at column deadline. **Merlin** has also announced that it will expand its once a week service to full time later this year....Here's an appropriate ending to this month's column. **CBC Radio** (from which RCI gets the majority of its programming) revealed it actually has less money than it thought due to—get this—an accounting error! So, did they fire the accountants and their managers? Nah. They closed the network's New Delhi and Moscow bureaus and fired some employees.

So much idiocy, so little space. Until September, good listening!



## Car DXing

by Hans Johnson

You have finally escaped that QRM at home and gone on your DXpedition. The logbook is soon filled with all sorts of new stations, but sadly, it has to come to an end after a few days. How does one get those DXpedition conditions every day? Car DXing is the answer.

Car DXing, also known as a micro-DXpedition, is a single listening session from your car. Most of my listening in the last three years has been while Car DXing, so let me share with you some of what I learned along the way.

One of the keys to hearing rare stations is to try for them often. Car DXing must be as easy and convenient as possible, otherwise you aren't going to go very often because it is too much trouble.

The most important aspect of Car DXing is the location you choose. The idea is to improve upon the conditions you have at home. This is done primarily by finding a location with space for a better antenna, quieter conditions, or a combination of the two. Remember, if it isn't easy, you aren't going to do it. A good site five minutes from the house is better than an excellent one an hour away.

A few words of caution. Don't Car DX close to houses where it might make the locals nervous. Secondly, don't Car DX from office parking lots or anywhere that is posted. Finally, choose parks with care, avoiding the ones that are rather festive in the evenings (Yes, I have learned all this the hard way).

There are plenty of good spots close to where you live, you simply have to scout around and be willing to try them out. Apartment dwellers, try DXing from your car right on the apartment grounds. It certainly will be quieter than inside the apartment and you might just find plenty of room for some temporary antennas.

Parks can be good, too. DXing from small, neighborhood parks will probably be an improvement on your conditions at home. One of the first things I do when arriving in a new city is to get a good map showing all the parks.

Probably my favorite spot for Car DXing is from what I call "no-man's land". These are areas where the roads are, but there aren't any buildings. It could be a housing development that went bust early or a commercial area that never filled up with buildings. The bottom line is that no one is driving that way because there is nothing in the area for them to drive to. A bonus is that usually all of the trees and brush have been removed from these areas, so stringing antennas is a snap.

The same principles of simplicity and ease apply to antennas, too. I have 500' of flexible insulated wire on a reel that is used for winding up extension cords on. These reels are available in your local home improvement store for under \$10. I drive out to my site and secure the end of the wire in the car door. Making sure I have left enough inside the car to hook up to the radio, I then string the wire out along the ground for the next 500'. When I am ready to go, I wind it back up on the spool in less than two minutes. You

could call this antenna a beverage on the ground, but I will just call it my antenna.

My antenna will receive off of either end,

but works best if you point it in the direction of the signals you want to hear. So which way are the signals coming from? Here is how I set mine up:

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<i>Your location</i>	<i>Target</i>	<i>Time of day (local)</i>	<i>Point antenna to</i>
North America (NA)	Latin America	Anytime	Southeast
East/Central NA	Asia	Evenings	Southeast
East/Central NA	Africa	Anytime	East/Southeast
Western NA	Asia	Mornings	West/Northwest
Central/West NA	Africa	Mornings	Northwest

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My antenna is sensitive in a 60 degree cone, but use a compass to make sure you are pointing in the right direction (don't forget to take into account magnetic declination). If you don't see a particular location and target site listed, then experiment around. That is one of the beauties of my antenna, easy out and easy up.

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Probably my favorite spot for Car DXing is from what I call "no-man's land". These are areas where the roads are, but there aren't any buildings. A bonus is that usually all of the trees and brush have been removed from these areas, so stringing antennas is a snap.

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Some final words on my antenna. You probably won't get to many 20+9 readings out of it, but the signal to noise ratio is impressive. This is a quiet antenna and it is

amazing how weak of a signal you can copy once you take away all that noise. Don't run it underneath any power lines or other electrical hazards. Having said that, don't assume that because you see power lines on the horizon a site will be noisy.

I power my Drake R8 right from the cigarette lighter of my car. I have yet to drain the car battery, even when listening for hours when it was -5 F in Colorado. Some folks take along a marine battery just to operate the radio, but I don't think this is necessary in a listening session that only lasts a few hours.

All my accessories, i.e., books, headphones, tape recorder, paper in pen, all fits into a single canvas bag. When I am ready to go out, I pick up the bag and the radio, and I know that I haven't forgotten anything.

Choosing a close location, an easy to string antenna, and having my gear organized, means that 5 to 7 minutes from the time I leave my house, I am Car DXing away. An even easier arrangement would be to use a portable radio and/or an active/passive antenna mounted on the car.

Several of the most active DXers in North America are Car DXing on a regular basis. The reason is that they are hearing things from their cars that they never would hear from home. Car DXing is the way to enjoy DXpedition conditions everyday.

*Hans' current shack is a 1996 Honda Civic. This article first appeared in the March 1998 Monitoring Times.*



# Listener's Library

T. J. "Skip" Arey N2EI

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Beverly, NJ 08010

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Well we are deep in the dog days of summer once again. Perfect time to find a hammock between two shady trees and read a couple of good books pertaining, more or less, to the radio hobby. Let's start out with my favorite light summer reading, a serious technical book.

## *Radio Components Handbook for the Radio and Electronics Technician* *Book 1 Theory of Components*

By Guido Silva I2EO

410 pages

ISBN# 1-891237-18-7

MFJ Publishing Company

MFJ Enterprises Inc.

PO Box 494

Mississippi State, MS 39762

1-800-647-1800

mfj@mfjenterprises.com

http://www.mfjenterprises.com

Having gone through the process of authoring my own book, I know the level of commitment necessary to bring such a project to fruition. I can only think of one more difficult task. Accurately translating a technical book from one language to another. Mr. Silva's excellent work has been brought to us from its native Italian to English through the efforts of a team of Italian and English technical professionals. In technical translation, there is now room for nuance and interpretation. You can't get the information supporting a series of electronic formulae "almost" right. The depth of this book is that of a serious engineering text, however, it is written specifically toward the needs of the high frequency radio hobbyist. Because the body of the discussion surrounding the various components and their related theory and formulae relates directly to shortwave, it becomes accessible to any hobbyist with a desire to go beyond basic knowledge of how radio works. You will want to approach this book with a strong desire to climb a moderate to steep learning curve. You will want to

bring a good scientific calculator along. But believe me, it will be a journey worth the effort. The book has a single weakness in its lack of a detailed table of contents or reference glossary, however, this forces the reader to do a bit of exploring to get through the book. I wouldn't want to have to find a critical design point while I had a circuit board half stuffed and a soldering iron arming up. But some time spent with this book before you break into that next project may help you feel more secure in understanding how everything works and goes together. Maybe you may discover a few things to allow you to tweak that project a bit. While the table of contents is not so accessible, the books dozens of graphs and charts do make understanding of componentry much less difficult for those of us who sat too far in the back of our math and physics classes. There are also many basic circuit diagrams that can help the reader find their way through the practical aspects of most RF equipment. I've had a good notion of the superheterodyne process for most of my hobby career but this is the first time I sat down and saw how the whole thing plotted out graphically. I can just imagine Old Mr. Armstrong doing all these calculations in his head as he gave birth to radio as we know it today. In the midst of all this neat stuff about moving electrons around RF circuitry, I found a section that served as a neat diversion. The book includes several diagrams for high fidelity acoustic speaker cases including all the math surrounding correct acoustic design. Want to turn your shortwave box into a variation of the Bose "WAVE" radio? These charts might give you some ideas. Actually I need to make a couple of sturdy outdoor speaker enclosures and I may just take up Mr. Silva's design explanations as the basis for a project that will impress my significant other far more than anything else I might do with this books information. And I mean to tell you that I plan to make a lot of use of this book as I start my next round of small receiver projects.

## Shortwave Sidelines

Something I am always mindful of is that fact that it has become very close to essential to have a computer as part of the radio monitoring hobby. If you're not interfacing directly to your receivers, you are using it for record keeping or access to the Internet for the most up to date signal information. Some of us may long for the good old days but if your goal is to hear everything you can, a computer is definitely part of the deal.

Now if you think things through, you have to divert funds from your radio hobby to pay for and maintain that computer system. Well a couple of books have come my way that can show you how to save money on both the purchase and the repair of your computer. More money in your pocket means your one step closer to buying the Watkins-Johnson rig you've had your eye on.

### *Bigelow's Build You Own PC Pocket Reference*

by Stephen J. Bigelow

273 pages

\$19.95

McGraw-Hill

New York

ISBN 0-07-037139-3

Building up a computer from scratch is not nearly as difficult as it might seem to be. In terms of electronic design, computers are highly modular devices. Add a board here, remove a board there, change a few jumpers and your in business. What scares people away, and costs them money, is not feeling sure of which boards and jumpers are which and which. Mr. Bigelow's book is just the knowledge base any radio hobbyist requires to bring a new system together or to update and existing old box into a more modern "bleeding edge" machine. The book contains a step by step assembly guide covering all the hardware base up through and including the Pentium II chip series. Bigelow takes the time to go over each platform and sub-system including a full discussion of all the advantages and disadvantages to each. An evening or two with this book prior to heading out to a local computer show or flea market will arm you with the information

you need to make informed purchases. I recently observed a forum project at the Trenton Computer festival where folks went out into the flea market area and made purchases allowing them to construct 200+ MHz Pentium II based systems with a full complement of bells and whistles for under \$750 dollars. With prices dropping daily, this book could help you improve significantly on this figure.

Bigelow not only takes you through the purchase process, he covers assembly, testing and the all important troubleshooting aspects of building your own system. Each step and sub-assembly is given coverage in plain language as opposed to "geek speak".

If you already own a computer, this book further studies the most logical upgrade paths for each aspect of the system. Since my own system is fairly new, I'm planning on using this book as a guide to adding a DVD drive to take advantage of this relatively new technology.

Finally the book includes a thorough preventative maintenance guide for keeping your system from dying an untimely death. That old adage about an ounce of prevention equaling a pound of cure really applies to computer. Especially if your looking at \$75.00 and hour to get one fixed.

And speaking of the high cost of fixing computers. How about a book that helps to cut those costs to zero by showing you how to do your own repair work.

### *Bigelow's PC Technician's Troubleshooting Pocket Reference*

by Stephen J. Bigelow

421 pages

\$19.95

McGraw-Hill


New York

ISBN 0-07-037139-3

It's funny how things work out sometimes. I had just finished an install of Windows 98 when this book arrived for review. For some strange reason the updated operating system and my Iomega "Zip" drive weren't seeing eye to eye. Five minutes with this book and

all is now well. This second offering by Stephen Bigelow is getting quite a workout as I try to keep my two Pentiums and a plethora of more aged systems computing right along. As with the book discussed above, Bigelow forgoes the technical jargon to explain how to dig into your system's innards a get it up and running one again. As I said earlier, given that computer repair costs start at around \$75.00 per hour, the \$19.95 cover price will more than pay for itself even if it only bails you out one time. The book covers every problem I have ever encountered with a home PC system, and I go back to the dark days of 8088s. The book takes each computer subsystem and takes you through the troubleshooting steps needed to accurately

diagnose the problem and then bring about the solution. The motherboard section is as exhaustive as any I have ever seen, including trouble codes for all the most popular motherboards and BIOS. Also included is a neat modem troubleshooting guide including the AT command set. A big help when you can get your computer talking to the Internet.


Together these two books could save you more than enough money to justify their cost. In the short time I have had them around my office they have both been put to good. Give them a thought if your inclined to computer supported radio monitoring. 

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## Hardware Bits

by Alan Johnson

**PROGRAMMABLE TIMER**—Jim Conrad of Waterloo, Iowa sent me a letter about his satisfactory experience with the Intermatic DT-7C Lamp and Appliance Timer, which he found at a home improvement center for less than \$30. It not only permits programming up to six on-off events in a 24 hour period, but also has very flexible repetitive programming. The timer controls a device (in Jim's case a tape recorder) plugged into its 3 wire AC outlet. Times are displayed in a 12 hour format. Jim has been very pleased with its performance for unattended recording of broadcasts. This looks like a useful gadget if your receiver has an on-off timer but no provision for controlling an external tape recorder.

**THE RADIO WORKS 4K-LI LINE ISOLATOR**—After reading Joe Buch's column on antenna isolation in the March 1998 Journal, I called Radio Works to get a line isolator of my own. Like most of us, I am bothered by all sorts of manmade noise and interference and I thought that a line isolator was worth trying. The folks at Radio Works told me that the T-4G isolator that Joe mentioned was overkill for my application and steered me to the 4K-LI, which sells for \$21.95—\$12 less than the T-4G! The 4K-LI does not have a grounding strap and has SO-239 connectors for input and output. I used mine with a random wire/Magnetic Longwire Balun combination and it did make a significant difference in the amount of noise present. I wished it worked better on mediumwave, but it is designed for the HF spectrum only. It may not work as well at your location, but at \$21.95 – it's worth the risk. If the feedpoint of your antenna is at ground level, I'd suggest going with the T-4G, since it can be connected to a ground rod at the feedpoint. The Radio Works, P.O. Box 6159, Portsmouth, VA 23703; Orders: (800) 280-8327/Technical: (757) 484-0140; 

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**WANTED: Hallicrafters S38DB (woodtone cabinet) and speaker enclosure with or without speaker for National NC46.** Tom Mooningham, PO Box 487, Maugansville, MD 21767-0487. Phone (301) 791-0834 or e-mail <Lunarpig@aol.com>.

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

# Equipment Reviews

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## The Ten Tec 1254 Communications Receiver Kit

I'm sure that I'm not the only radio/electronics hobbyist that has bemoaned the demise of the Heathkit company, as well as the other kit manufacturers such as EICO and Knight-Kit. These companies produced electronics products that allowed a hobbyist to build attractive, good-performing equipment, usually at a cost-savings over manufactured units. Not only were kits fun to build, they were educational, as well. My first kit certainly taught me that electrolytic capacitors are polarized and must be wired into the circuit properly. I'll never forget the plume of smoke and acrid smell that occurred when a capacitor blew up on initial power-up of my first Heathkit, a GR-64 SW radio.

Advances in both electronic components and manufacturing techniques meant the demise of the cost-effectiveness of electronic kits, especially when the cost of publishing the assembly manual was factored in. Fortunately, there have been a few small specialist companies which have continued to produce kits. Often, these products are for those hobbyists with some construction experience, as they are usually nothing more than a circuit board and a bag of parts, along with some rudimentary assembly instructions.

The TenTec Company, a U.S. manufacturer of ham radio transceivers and linear amplifiers, has started to produce a line of kits that are of interest to both the ham operator and shortwave listener. Their line of T-Kits are kits in the Heathkit tradition, with extensive step-by-step construction instructions, thorough theory sections and suggestions for use and modification. Their manuals do lack the

detailed drawings of the old Heath manuals, but the diagrams are completely adequate. Their after sale service is excellent. I built and reviewed one of their Model 1253 regenerative receiver kits in late 1996.

### A Real Radio

The 1253 was a fun project to build and operate (I still have it on the desk!), but being a regenerative receiver, it is really more of a novelty item rather than a receiver to be used day in and day out. The new model 1254 receiver kit is a totally different animal—it's a real radio. It's more complicated to build, but not beyond the capability of anyone who has assembled simpler kits.

The 1254 is a very basic radio in terms of features, but its design is up-to-date and implemented with modern circuitry and components. It is a dual conversion superheterodyne with a first IF of 45 MHz and a second of 455 kHz. It has synthesized tuning and a digital frequency display, along with 15 memory presets. Frequency coverage is from 100 kHz to 30 MHz and reception modes are AM/SSB/CW. The tuning steps are somewhat coarse, being only 5 kHz in AM mode and 2.5 kHz in SSB mode, but there is a "Clarifier" control which provides fine tuning for resolving SSB/CW signals. There is only a single IF bandwidth of 4 kHz, but the filter is a high-quality ceramic unit. The kit sells for \$195 and is complete with case and power supply. The receiver is assembled in stages and each stage is tested once its assembly is complete.



## Assembly

Anytime I build a kit, I am careful to look for an addendum/errata sheet that has any updates about parts/procedure changes. There was a single sheet with the #1254, and I made the appropriate changes in the assembly manual. My next step was to ensure that all components were present and correctly identified. TenTec provides a checklist of all components, along with hints about determining the values of some of the component classes. This information (along with a magnifying glass!) was very helpful in identifying the diodes and molded inductors that are used in the 1254. There were two parts missing—the three digit LED display chips. Unfortunately, these are the first parts to be installed and their presence is required for testing subsequent stages. Since I was trying to get the radio assembled prior to the SWL Winterfest, I proceeded to assemble the rest of the radio, while waiting for the displays to arrive from TenTec. This was my first encounter with their customer support service, which is excellent.

.....  
*The 1254 is a  
very basic radio  
in terms of features,  
but it's design is  
up-to-date  
and implemented with  
modern circuitry  
and components.*  
.....

The radio went together without too much difficulty, but I did have a problem with the VCO coils. These are small coils which are tuned by adjusting a ferrite slug within the coil form. On my kit, the slugs could be lowered into the coil form, but could not be screwed out. During the initial coil adjustment, the slugs are adjusted without the coil shield in place. Once the shield is in place, the coil's inductance changes, and the slugs have to be backed out. I desoldered the coils to adjust the slugs from the bottom. Chris

Blatter, KD6TDB, shared his assembly experience with the '1254 and found that the slugs can be backed out if the sides of the coil form are grasped GENTLY with tweezers. The best solution (assuming my coil forms were not defective) would be for TenTec to drill holes in the circuit board so the coils can be adjusted from the bottom.

I also had a problem with the display panel. This is a piece of translucent plastic which mounts to the front panel and covers the display LED's. The legends "AM" and "SSB" are printed on the panel to match the Mode LED's on the display circuit board. One end of the panel is slanted to match the cutout on the front panel—on mine the mode legends were printed on the wrong side, so I had to file down one edge of the panel so it would fit squarely into the front panel cutout.

TenTec's estimated 25 hours for kit assembly is accurate—the parts count is much greater than the '1253 regen receiver. My '1254 worked the first time I turned it on, despite not being able to do the subassembly checks. Alignment of the radio requires no instruments other than a VOM and is straightforward. The manual warns about the fragility of the coil slugs and gives hints on how to deal with this. The slugs are very brittle and prone to chipping and cracking—be sure to use the right size tool!

## Braindead!

I received the display chips from TenTec the day before I was to leave for the SWL 'fest. My flight was leaving at midnight, so I figured I had the evening of my departure to do the final alignment and case assembly, as I really wanted to show the radio off at the meeting! As I was going through the final alignment steps, the display went blank and the radio wouldn't tune. All of my trouble shooting indicated that the problem was with the microprocessor. I talked the problem over with TenTec's service department (after the 'fest weekend) and they agreed that the processor chip was the likely problem. They sent a replacement chip and the radio has worked fine since the brain transplant.


## The Finished Product

Despite the frustrations I had with assembling the '1254, I am quite proud of the finished product. It is very professional looking and solid. It is also quite compact, measuring approximately 2-1/2 x 6-1/2 x 6-1/2 inches (HxWxD). Although there is no provision of batteries inside the case, the '1254's small size would make it great for portable operation. The unit can be wired to supply a DC voltage at the antenna connector for use with TenTec's #1552 active antenna kit. The built-in speaker is top firing and sounds very good for it's three inch size. The adhesive plastic feet included with the kit did not raise the unit enough for me to comfortably operate the controls with the radio on a table top, so I used larger feet to provide some front panel elevation.

There's not a lot to say about using the '1254, as the controls are few. The tuning steps are 5 kHz in AM and 2.5 kHz in SSB. The clarifier control gives  $\pm 1.5$  kHz variation on these steps, but the frequency shift isn't displayed. In AM mode, I measured the tuning rate to be 180 kHz per knob revolution, so it's easy to get from one end of a band to another. On the other hand, the tuning knob is large enough and the rate slow enough that bandscanning is a pleasure. Scooting around the SW spectrum is fast—there's a tuning speed button to shift the rate to 100 kHz per step for rapid frequency excursions. There are 15 memory channels that store frequency and mode. Memory channels are selected by rotating the tuning knob, once the "V/M" pushbutton is toggled to memory mode. There is an indicator in the frequency display that is illuminated when the receiver is in VFO tuning mode. Frequency display is to 0.5 kHz in SSB mode and 5 kHz in AM mode.

## Performance

My subjective impression is that this is a solid little radio—it performs well and sounds really good when an external speaker is used. Sensitivity is rated at only 2.5  $\mu$ V in AM mode for 10 dB SN ratio at 30% modulation, but the radio seems "hotter" than this. SSB sensitivity is 0.5  $\mu$ V for 10 dB SN ratio. Selectivity is 4 kHz at -6 dB—skirt selectivity is not specified but the supplied ceramic filter is a high quality Murata CFR4551. According to my (old) Murata catalog, this filter has a bandwidth of 10 dB at 70 dB down and a stopband attenuation of 55 dB. This bandwidth is a little wide for anything more than casual ham/utility monitoring, but it's a good compromise for AM listening—the Clarifier control can be used to shift the signal for a "brighter" sound for program listening. The filter response in my '1254 seems to be a bit skewed upward—i.e. if listening to a station on 5975 kHz, if the tuning is dropped to 5970 kHz the signal is unintelligible, but the signal is still readable if the radio is tuned up to 5980 kHz. I haven't figured out any way of overcoming this phenomenon.

I enjoy using the '1254 as a program listening receiver. The designers at TenTec have done a good job in their work on the detector and audio stages. The radio really sounds good when played through a quality external speaker—I've been using mine with an old Hallicrafters speaker with a 10 inch driver. It's also useful as a "spotting" receiver, to check conditions on other bands while monitoring a station on the main receiver. The '1254's 15 memories are useful for storing and checking parallels. TenTec can be contacted at 1185 Dolly Parton Pkwy., Sevierville, TN 37862-3710; (423)453-7172; [www.tentec.com](http://www.tentec.com). 

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**FOR SALE:** Estate sale! Some excellent receivers like the Drake R8A with FM board, two Lowe 150's, GE Super Radio II (a little dirty, but works well), AR-7030 with Kiwa mods; NB7030 kit installed, 6 IF filters, newly aligned at AOR-UK. A super rig with one tiny mark. Sangean 803, Grundig YB-400, Grove SP-200 (works great), Grove TUN-4 and some miscellaneous accessories including some never used antennas. Everything priced fairly and I will ship. Please contact John T. Wagner, 8643 Appleridge Circle, Pickerington, OH 43147. E-mail <[wagnerND@aol.com](mailto:wagnerND@aol.com)>. Pphone (614)861-2045. No collect calls, please. I am a NASWA member who works as a volunteer with the very ill.

## The Sun and Short-Wave Reception

(Part 3)

This month the glossary of terms associated with the sun and shortwave propagation continues.

**CENTIMETER BURST** A solar radio frequency energy release or burst in the centimeter wavelength range.

**CENTRAL MERIDIAN** The north-south meridian of the sun that passes through the centre of the disk as viewed from the earth.

**CENTRAL MERIDIAN DISTANCE (CMD)** The angular distance in solar longitude measured from the central meridian.

**CENTRAL MERIDIAN PASSAGE (CMP)** The passage of an active region or other feature across the longitude meridian that passes through the apparent center of the solar disk.

**CHROMOSPHERE** The layer of the solar atmosphere above the photosphere and beneath the transition region and the corona. Chromosphere literally means "color sphere" or the layer of the sun's atmosphere between the photosphere and the corona. The chromosphere appears as a red ring around the solar limb during a solar eclipse. Plage regions are visible in the chromosphere, usually overlying sunspot groups.

**CHROMOSPHERIC EVENTS** Some flares are just chromospheric events without centimetric bursts or ionospheric effects.

**CONJUGATE POINTS** Two points on the earth's surface, at opposite ends of a geomagnetic field line.

**CONTINUUM STORM (CTM)** General term for solar noise lasting for hours and sometimes days.

**COORDINATED UNIVERSAL TIME** By international agreement, the local time at the prime meridian, which passes through Greenwich, in the UK. The Queen's subjects still call it Greenwich Mean Time. Sometimes it is simply referred to as Universal Time or UTC.

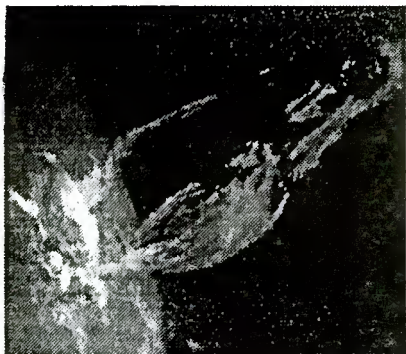
**CORE** A region of very high density and temperature at the center of the sun.

**CORONA** The outermost layer of the solar atmosphere which is characterized by low densities and high temperatures. (1,000,000 degrees Kelvin) Visible as an extended bright region around the sun during a solar eclipse.

**CORONAL MASS EJECTION** An ejection of material from the sun into interplanetary space. If the material is directed towards the earth then the event will probably be associated with a disturbance to the earth's magnetic field and/or ionosphere. (See Figure 3 on the next page.)

**CORONAL HOLE** An extended region of the corona which has a low density and temperature. Coronal holes are the sources of high speed solar wind streams which can interact with the earth's geomagnetic field and ionosphere.

**CORONAL RAIN** Material condensing in the corona and appearing to rain down into the chromosphere as observed in Hydrogen Alpha spectrum at the solar limb above strong sunspots.



(USAF Photo)

**Figure 3** Coronal Mass Ejections (CME's) throw off high energy particles that are the source of many short-wave disturbances.

**CORONAL TRANSIENTS** A general term for quick changes in the corona, but principally used to describe outward-moving plasma clouds.

**COSMIC RAY** An extremely energetic ray which is normally the product of a nuclear reaction such as the fusion reaction that drives the sun.

**CRITICAL FREQUENCY** The highest frequency that can be reflected vertically from an ionospheric layer.

**CROCHET** A sudden deviation in the sunlit geomagnetic field associated with large solar flare X-ray emissions.

**D REGION** A daytime layer of the earth's ionosphere approximately 50 to 90 km in altitude. The D region absorbs short-wave signals with greatest influence at lower frequencies.

**DARK SURGE ON DISK (DSD)** Dark gaseous ejections visible in the Hydrogen Alpha spectrum.

**DAYLIGHT FADEOUT** When flares occur, increased absorption of a radio wave in the D region may make part of the HF spectrum unusable. Sometimes the whole HF spectrum is disturbed. Normally the lower

frequencies are affected most. Only those paths with daylight sectors are affected.

**DIFFERENTIAL ROTATION** Solar rotation angular rate is a function of solar latitude. Equatorial latitudes rotate at a faster angular rate (14 degrees/day) than do high latitudes (12 degrees/day).

**DISAPPEARING SOLAR FILAMENT (DSF)** The sudden disappearance of a solar filament or prominence. These can occur over an interval of a few minutes to hours.

**DISK** The visible hemisphere of the sun.

**DIURNAL** Throughout the day, daily.

**E LAYER** An ionospheric region between the D and F layers which is normally present only during daylight hours. The E layer can screen a radio signal on its way to or from the F layer. The signal is deflected and attenuated by the E layer. E layer screening occurs when the E layer MUF is greater than the operating frequency. The signal cannot reach the F layer and propagation is via multiple E layer hops. These modes are attenuated, especially when more than two hops occur, and effective communication is often not possible. So when you hear short skip on the higher frequencies, you will probably find DX to be weak or inaudible. This layer has been noted to support rare ionospheric propagation above 150 MHz.

**ELECTROMAGNETIC RADIATION** Radiation which has both electric and magnetic properties. Examples: microwaves, light, infra-red, ultraviolet, x rays, gamma rays. Travels at the speed of light, 186,000 miles/second.

**ELECTRON** A light atomic particle with a fixed negative electric charge.

**ELECTRON DENSITY** The number of electrons in a unit volume, eg. 1 cubic centimetre.

**ELEVATION ANGLE** Vertical component of the angle between the horizontal plane a direction.

SW

# Listener's Notebook

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**MY APOLOGIES** to everyone who went half blind trying to read last month's column! I assure you it was a mistake on my part, not a cruel marketing ploy perpetrated by the Eyeglass Council of North America.

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**ALBANIA** Some freq changes of *TWR* via Cerrik: 1630-1730 Persian v11689.87 replacing v12085, // v9474.87. 1830-2000 Finnish/Norwegian/Swedish Mo-Fri 9479.94 replacing 9905. 1400-1415 Italian new 7155, //9550, 1700-1712 Turkish on 6210...6213, and //7159.09, 1715-1727 Greek 5959.96 and 7155.09. (20-25-Jun/Paniview-BUL/BCDX/EDXP/Padula-AUS)

**ANTARCTICA** 15476 *LRA36 Radio Nacional Arcangel* San Gabriel currently is broadcasting only Mondays, Tuesdays & Fridays from 1230-1430 (ex Mon, Wed & Fri 1900-2100). (13-Jul/Barrera-ARG)

**ARGENTINA** This is the sked valid up to Sep 9 of *RAE*; all Mo-Fr:

0000-0200	Portuguese	11710
0200-0300	English	11710
0300-0400	French	11710
0900-1200	Spanish	6060 15345
1000-1200	Japanese	11710
1200-1400	Spanish	11710
1800-1900	English	15345
1900-2000	Italian	11710 15345
2000-2100	French	11710 15345
2100-2200	German	15345
2200-2300	Spanish	9690 15345
2300-0000	Spanish	9690 15345

(5-Jul/Slaen/EDXP/Padula-AUS) 15343.55v these days (Bueschel-FRG/WWDXC TopNews)

The transmitter normally used on 6060 at General Pacheco is still off the air due to a broken transformer. Expected back on by time you read this. (5-Jul/Barrera-ARG/Nigro-URU)

**AUSTRALIA** Latest *Radio Australia* sked:

0000-0100	English	9660 12080 15240 17715 17750 17795 21740
0000-0100	Vietnamese	15415
0100-0200	English	9660 12080 15240 15415 17715 17750 17795 21740

0200-0500	English	9660 12080 15240 15415 15510 17715 17750 21725
0500-0600	English	9660 12080 15240 15510 17715 17750 21725
0500-0600	Khmer	15415
0600-0800	English	9660 12080 15240 15415 15510 17715 17750 21725
0800-0900	English	5995 9710 9770 12080 15415 15510 17750 21725
0900-1100	English	6080 9770 11880 17750
0900-1200	Tok Pisin	6020 9710 5995 12080
1100-1200	English	6080 9770
1100-1230	Chinese	9950 11880
1200-1400	English	5995 6020 6080 9580
1230-1330	Vietnamese	9500 11880
1330-1430	Vietnamese	9500 11880
1400-1430	English	5995 6080 9580
1430-1700	English	5995 6080 9500 9580 11660
1700-1800	English	5995 6080 9500 9580 11880
1800-2000	English	6080 9770 9500 9580 9660 11880
2000-2100	English	9500 9580 9660 11880 12080
2000-2100	Tok Pisin	6080 7240
2100-2130	English	7240 9500 9660 11880 12080 17715 21740
2130-0000	Indonesian	11695 15415
2130-2200	English	7240 9660 11880 12080 17715 21740
2200-2300	Chinese	15240
2200-2300	English	17715 17795 21740
2200-2300	English*	9660 12080
2300-0000	English	9660 12080 17715 17795 21740
2300-0000	Khmer	15240

\*Relay of BBCWS English to PNG and the Coral Sea region (7-Jul/Holmes-R. Australia/web page/WWDXC TopNews/Bueschel-FRG)

**Australian Marine Forces Radio**, 0300-0500 on 14790 USB (16-Jun/RN Media Network/DSWCI DX-Window/Krone-DEN)

**BELARUS 17805** is one of these low-power SW outlets of Radio Belarus 1st home service, performed by using former jammers. From time to time they use also these frequency, as I understand from Grodno. 11670 is the RV-174 transmitter (a Komintern PKV-250 model of 250 kW) at the Kalodiscy site near Minsk, at morning now using this frequency instead of 11960. Both 6115 and 7210 are coming from Kalodiscy, too, using altogether 30 (!) former jammers of 5 kW each, operated as two 75 kW units (one under the callsign RV-110, the other one as RV-749). 7210 is also used for the foreign service, while 6115 carries the 1st home service exclusively. (2-Jul/Ludwig-FRG/EDXP/Padula-AUS) Jul 2)

Here is a current observed schedule of *Belorussian Radio* 1st program (BR1) incl regional services:

5965	0300-1500
6080	0300-2200
6115	0300-2200
7145	1500-2200
7210	0300-1900
7265	0300-2200
11670	0300-2200 (irregular transmitter breaks noted at var hrs) 11960 0300-0500, 0900-1100, 1500-1700
17805	0300-2200

ID as "Pershaya programma" (1st progr) or "Radio Odin" (Radio 1) some usual slogans are: "Havorit Minsk—stolitsa Respubliki Belarus" or "Respublika Belarus—Radio Odin."

BR1 can be also heard from time to time on 2739, 2838, 4855, 4982 and 5134 (all in usb mode) instead of usual R. Mayak transmissions.

*Belorussian Radio* 2nd program (BR2) 7140 0400-2100 ID as "Radio Dva" (Radio 2)

Regular services—all tentat Mon-Fri only (cities' names as in WRTH).

**Mahiliou**

0330-0400	5965
1500-1600	7145

ID as "*Novoye (New) Radio Mahiliou*"

**Minsk**

0340-0400	6080	6115	7210	11670	11960
0535-0545	5965	6080	6115	7210	7265 11670
				17805	
1500-1600	6080	6115	7210	11670	11960

ID as "*Radiostantsiya Stolitsa*"

**Hrodna**

0340-0400	7265	17805
1500-1600	7265	17805

ID as "V efire...programma *Radio Hrodna*"

Unid regional station (no positive ID, presumed-ly BREST)

1500-1600	11960
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*Radiostantsiya Belarus* (external service) new format sched:

0100-0300	7210 11670
1900-2100	7210 11960

in Belarus, English and German (incl relig progrs in German fr Germany), ID in Belarus as "Havorit Minsk—v efire Radiostantsiya Belarus" English is scheduled: Tue/Thu 1930 & 2030, Mon/Wed/Fri/Sat/Sun 0200 (2-Jul/Timofeyev-RUS/DXW/EDXP/Padula-AUS)

**BOLIVIA 3391.2 Emisora Camargo**, 2305-2315 Spanish, local news from Camargo area, Camargo often mentioned, local temperature. (3-Jul/Schnitzer-FRG/DSWCI DX-Window/Krone-DEN)

4449.8 *Estacion Frontera* (p), Cobija, 2315-2320, Spanish, mensajes, weak. (3-Jul/Schnitzer-FRG/DSWCI DX-Window/Krone-DEN)

4471.9 *R. Movima*, Santa Ana del Yacuma, 2355, music program with dedications in SS (4-Jul/Bruni-IT/DSWCI DX-Window/Krone-DEN)

4599.33 *R. Em Villamontes*, 1010, with wild flutes under t-storm crashes, to 1025 with no announcements (7-Jul/Wilkner/DSWCI DX-Window/Krone-DEN)

4702.2 *Radio Eco*, San Borja, 2320-2330, non stop LA-music, blocked by utility-QRM at 2330. (3-Jul/Schnitzer-FRG/DSWCI DX-Window/Krone-DEN)

4732.3 *Radio La Palabra*, Santa Ana de Yacuma, 0000-0010, Spanish, religious songs, ID by woman at 0005. (28-Jun/Schnitzer-FRG/DSWCI DX-Window/Krone-DEN)

4777.76 *R. Andes*, Uyuni, Tarija, 2350. Low-key M announcer with occasional flutes, a couple minutes of dead air at top of the hour, then non-stop preaching to 0033. ID and 4775 kc frequency given over guitar mx in short signoff annc 0035. (10-Jul/Novello-NC)

4855.02 *Radio Centenario "La Nueva"*, Santa Cruz; 1018 weak w/CP folklore. (5-Jul/TIN-JPN/Relampago DX)

4939.3 *Radio Norte*, Montero, 2330-2355, Spanish, religious program ("Santa Misa") till 2340, ID by man: "Radio Norte de Montero" followed by a news magazine concerning economic and environment items; the speaker mentioned the consumption of water in Latin America and the global increase of temperatures. (27-Jun/Schnitzer-FRG/DSWCI DX-Window/Krone-DEN)

4945.02 *R. Ilimani*, 1000, with time pips (more like buzzes) and World Cup news of Cameroon, Columbia and England (26-Jun/Norrie-NZL/DSWCI DX-Window/Krone-DEN)

**BRASIL RadioBras**

0115-0215	Portuguese	11780
0415-0515	Portuguese	11765
0700-0800	Portuguese	9745
1000-1120	Spanish	9745
1200-1320	English	15445
1330-1450	Spanish	15445
1630-1750	Portuguese	15265
1800-1920	English	15265
1800-1920	Portuguese	17750
1920-0000	Portuguese	17750 Su
1930-2050	German	15265

(BBCM) [RadioBras transmitter starting to sound might crummy lately!-AQ]

2460.0 R. *Alvorada*, 1020, romantic ballads, "bande tropical super...program" (7-Jul/Norrie-NZ/DSWCI DX-Window/Krone-DEN)

3244.7 *Radio Clube De Varginha* (p), 2211, PP talk in "A Voz do Brasil" program, // other Brasilians in 60 m band. (22-Jun/Rouw-FRG/DSWCI DX-Window/Krone-DEN)

4755.18 *Radio Educacao Rural*, Campo Grande, 1017 fair w/musica sertaneja. (5-Jul/TIN-JPN/Relampago DX)

6040.5 R. *Clube Paranaense*, Curitiba, 2315-2335, long live commentary from France about Brazil-Nederland; ID at 2330. (7-Jul/Bruni-IT/DSWCI DX-Window/Krone-DEN)

6149.9 R. *Record*, 0208, ending service from "Igreja Universal do Reino de Deus," a macumba-inspired Brazilian religious denomination which has spread to other countries as well. (3-Jul/Klemetz-COL/DSWCI DX-Window/Krone-DEN)

6160.1 R. *Rio Mar* alone on this fqy until midnight s/off. No trace of R. LBV here nor on 11895. (Klemetz-COL/DSWCI DX-Window/Krone-DEN)

9514.93 *Radio Nova de Paz*, Curitiba, 1005-1015 fair w/religious talk. (28-Jun/TIN-JPN/Relampago DX)

9630.10 R. *Aparecida*, Aparecida, 2200-2210, PP,? nx, jingles, // 6135.08 (1-Jul/Phillips-UK/DSWCI DX-Window/Krone-DEN)

11783.2 *Radio Nacional da Amazonia*, Brasilia, 1000 fair w/nx "Jornal Nacional." (4-Jul/TIN-JPN/Relampago DX)

11804.02 *Radio Globo*, Rio de Janeiro, 1001-1035 fair w/5 minute-newscast "Radio Globo Noticias" then into sertaneja mx show. (19-Jul/TIN-JPN/Relampago DX)

11854.98 *Radio Aparecida*, 1001 fair w/musica sertaneja. (4-Jul/TIN-JPN/Relampago DX)

11925.70 *Radio Bandeirantes*, Sao Paulo, up from 11925.04, noted at 0705-0730 w/commentary about "Copa Mundial Franca 98." (11-Jul/TIN-JPN/Relampago DX)

17814.95 R. *Cultura*, Sao Paulo, 0100, Ad string with woman chattering over samba music bed, ID by M 0106. (11-Jul/Novello-NC)

**CAMBODIA National Radio of Cambodia** Station identification in Cambodian: "Vitthyu Cheat Kampuchea" (National Radio of Cambodia). The radio identifies in English as "National Voice of Cambodia."

0000-0015	English	11940v
0015-0030	French	11940v
0030-0045	Thai	11940v
0045-0100	Laotian	11940v
0100-0115	Vietnamese	11940v
1200-1215	English	11940v
1215-1230	French	11940v
1230-1245	Thai	11940v
1245-1300	Laotian	11940v
1300-1315	Vietnamese	11940v

(BBCM)

**CANADA 6160 CKZU-Vancouver**: For anyone on ECNA (or elsewhere) looking for this one, now may be the time. Over the past few weeks I have been checking the fqy occasionally in the 0600-0800 time frame, with limited results until today. At 0804 CKZN St. Johns comes on, and at 0857 DW-Antigua fires up. CKZU has been noted lately over and under the competition from 0730-0900 at my QTH. Note that Vancouver is slightly off-frequency (6159.99), and careful tuning will reveal the difference during the 0804-0900 period when both stations are hrd (13-Jul/Berg-MA/NU)

**CANADA (NON) Radio Asia Canada**, which also calls itself "Radio Voice of Canada" or "RAC International" broadcasts via satellite and shortwave to Tamil listeners in North America, Asia and elsewhere. An application for a licence to broadcast in the Toronto area on mediumwave was rejected by the Canadian authorities. In early 1998 it began a shortwave service aimed at Sri Lanka via a hired transmitter in Central Asia. Since May 1998 it has also broadcast via Deutsche Telekom transmitters in Germany (g). The shortwave frequencies are often changed.

URL: [www.radioasiacanada.ca](http://www.radioasiacanada.ca)

0000-0200	Tamil	9490-g
0200-0500	Tamil	9855-g
1300-1400	English	15510 Sa/Su
1400-1500	Tamil	15510
1500-1600	Tamil	15510 Sa/Su
1800-2000	Tamil	15210-g Sa/Su
2000-2100	Tamil	15560-g
2100-2200	English	15560-g
2200-0000	Tamil	11975-g

(BBCM + Padula-AUS)

**CHILE**

9635  
 11690 0540-0559\*  
 11890.07 \*0759-1055\*  
 15374.94 \*1100-1400\*  
 17680  
 21500.02 1521-2100\*  
 21550

**CHINA CNR-1** noted on new 13610, believed via Kunming, 1100-1130 //9340(Beijing), 12120 (Beijing). 5030—this outlet now opens later at 1230, and should not be confused with Kuching's Bidayuh service co-channel, which is the dominant "Asian" signal on this freq 1000-1230, mixing with AWR Guatemala.

**CNR-4** (Minorities Service) noted on new 12080 (Xinjiang) with Uighur \*1100-1127\*. CNR-2 observed on new 9500 (Xinjiang), 1100-1130 (4-5-Jul/Padula-AUS/EDXP)

**Huayi Broadcasting Company**

0255-0700 Chinese 6185  
 0855-1300 Chinese 6185  
 1300-1600 Chinese 4830

(BBCM)

**Qinghai People's Broadcasting Station**

0255-0545 Tibetan 6500  
 0355-0630 Chinese 9780 6260 3950  
 0925-1505 Chinese 9780 6260 3950  
 1055-1540 Tibetan 6500  
 2220-0300 Chinese 6260 3950  
 2255-0055 Tibetan 6500

(BBCM)

**Zhejiang People's Broadcasting Station** Identification in Standard Chinese: "Zhe-jiang ren-min guang-bo dian-tai"

0000-1600 Chinese 2475  
 2130-0000 Chinese 2475

(BBCM)

**CHINA—TAIWAN** 6084.4 *CBS Taipei*, 1751-1900\*—again here after short move to 6078.6 at the beginning of July—Chinese 2nd network // 7250, 9630 and 11775, relay 1st network's news at 1800-1815. (15-Jul/Timofeyev-RUS/DSWCI DX-Window/Krone-DEN)

**CLANDESTINE—AFRICA** *National Democratic Alliance (Voice of Sudan)* identifies itself as "Voice of Sudan National Democratic Rally Party," occasional English interspersed:

0400-0500 Arabic 8000v  
 1600-1700 Arabic 8000v

(BBCM)

**Radio Voice of United and Free Ethiopia** (Amharic: Yih ye andit netsa Ethiopia dimtse radio agel-gilot new)

URL: [www.ethiopia.org](http://www.ethiopia.org)  
 1615-1715 Amharic 12105 Su/We  
 (BBCM)

Sorry if the recent spate of info about new clandestine broadcasts to Nigeria has you confused (it certainly has me so). Thanks to BBCM for making sense of the whole mess:

**Radio Nadeco**, which describes itself as "the voice of free Nigeria," broadcasts in support of the National Democratic Coalition of Nigeria (Nadeco), and is opposed to the current Nigerian government.

URL: <http://www.nadeco.org/radionadeco.htm>  
 1930-1945 English 15685-(via WWCR) We  
 [NOTE: not currently being broadcast-AQ]

**Voice of Oduduwa** (Yoruba: Ijinle Ohun Oduduwa) is believed to be operated by Egbe Omo Yoruba (Association of Yoruba Descendants Worldwide). Associated broadcasts by Igbo and Ijaw groups are broadcast on the same frequency at the same time on Wednesdays and Fridays, respectively.

URL: [www.yorubanation.org](http://www.yorubanation.org)  
 2100-2200 Yoruba 15460-(via WHRA) Mo

**The Save Nigeria Broadcasting Service**, or "Radio SNBS" is operated by the Nigerian Advocacy Group for Democracy and Human Rights (NAG-DHR), a Boston-based pressure group which opposes the current Nigerian government. From 12th June 1997 until about January 1998 NAG-DHR operated a station called Radio New Nigeria via a hired Deutsche Telekom shortwave transmitter in Germany.

URL: <http://www.nagdhr.com>  
 1930-2000 English/Vern 9400-(via WGTG) Sa  
 (BBCM)

15460 **Ogene Ndigbo Radio**, 2100-2200, on Wednesdays, supposedly having started on Jun 24. It is a project of Eastern Mandate Union-Abroad and the World Igbo Council. (Ben Akpa/soc.culture.nigeria/NU)

This on the subject from Clandestine Radio Watch newsletter: *Plagued by rivalry, financial difficulties, and a general lack of interest Nigerian clandestines may soon be a thing of the past. But the nail in the coffin may very well turn out to be overtures by the Hausa-dominated military.*

*Military leaders known as the Provisional Ruling Council have spent the last couple of days debating the future role they will play in a civil-democratic society.*

*Current strongman General Abdulsalam Abubakar, who replaced General Sani Abacha—who most Nigerians say died under suspicious circum-*



stances—has recently signalled the possible end of military-rule by releasing many political prisoners. Incidentally, news reports indicate Abubakar is building close ties to the United States and other Western powers, who are sending the message that change needs to take place.

What will pass is uncertain.

Trends in clandestine broadcasting to Nigeria have been extremely dynamic ever since Radio Democrat International, now called Radio Kudirat, took to the airwaves two years ago. Radio New Nigeria recently left that airwaves to rename itself the Save Nigeria Broadcasting Service. Radio NADECO signed off for good when their programs, according to Hans Johnson, were not being produced and when their funding dried up. Ogene Ndigo Radio, a new entry to the airwaves, postponed its premier broadcast following technical difficulties. (Clandestine Radio Watch/Schoech-FRG)

**CLANDESTINE—LATIN AMERICA** *Voz de la Resistencia* (Voice of the Resistance), broadcasts in support of the Revolutionary Armed Forces of Colombia (FARC), hostile to the Colombian government. It announces that it broadcasts from the mountains of eastern Colombia.

1800-1900 Spanish 6260v

(BBCM)

Both *V. de la Resistencia* and *R. Patria Libre* have been active during the past few days prior to peace talks in Germany this weekend. They are on 6239.8 and 6250.2, respectively, the former one at 1400-1600 and 2000-2200, while the latter has been heard at 2030-2100. (11-Jul/Klemetz-COL/Dateline Bogota)

#### CLANDESTINE—RADIO FREE ASIA

Latest sked:

0000-0100	Lao	7530 9365 9920
0030-0130	Burmese	11540 11580 11590 13710 13820
0030-0130	Cambodian	15655 15695
0300-0500	Mandarin	11540 13820 17615 17880
1100-1200	Lao	15660 15715 17805
1130-1330	Cambodian	15695 15705 (fr 1200-) 9930
1200-1300	Cambodian	11510
1300-1400	Tibetan	11590 13830 17855
1400-1500	Cantonese	9955 11500
1400-1500	Vietnamese	9455 9930 11510 11535
1500-1600	Burmese	11530 11590 13820
1500-1630	Mandarin	9445
1500-1800	Mandarin	9905 (fr 1630-)9455
1500-2000	Mandarin	11520 11945 15510
1530-1630	Korean	5855 9955 15660
1800-2000	Mandarin	9420 11710 (fr 1900-) 9905

2100-2200	Mandarin	9355 9420 9455 9910 11765 15515
2200-2300	Cantonese	9355 9955 11500
2200-2300	Korean	7460 9395 9455 11785 15515
2230-2330	Cambodian	9570 9930 11510 11570
2300-2400	Mandarin	9420 9910 11785 13800 15515
2300-2400	Tibetan	9365 9875 9920
2330-0030	Vietnamese	9975 9980 11580 13720

(BCDX/Clandestine Radio Watch/Schoech-FRG)

**COLOMBIA** 4955 *R. dif Nacional* is scheduled Mo-Fri 1700-0500, Sat 17-0445, Sun 1100-0500. "On Line," with Fernando Camelo, in English, Tue-Sat 0200-0300. Station is genuinely interested in reports, some of which are now being extracted for publication in a well laid-out monthly program bulletin on glossy paper. (11-Jul/Klemetz-COL/Dateline Bogota) 4955 *Radiodifusion Nacional* has another English language program in addition to "On Line." It is called "Un ingles en Bogota," and it is presented by Johnny Welsh who is the Press Officer of the British Embassy in Colombia. Program is scheduled Sat 2330-2400 but on Jul 19 the program was aired 0130-0200. Despite the program title, meaning "An Englishman in Bogota," the program is entirely in English. (Klemetz-COL)

**COSTA RICA** Due to an interference complaint from the Tasmanian government about a PTP operation using 6980, *Radio For Peace international* has moved to 6975am (Padula, Hauser + others)

**EGYPT** *Radio Cairo*, all services:

0030-0430	Arabic	9900
0045-0200	Spanish	11715 9740 9475
0059-0250	Arabic-GP	12050
0159-0459	Arabic-VOTA	15285 9850
0200-0330	English	9475
0250-0559	Arabic-GP	12050 9800 9770 9620
0459-0500	Arabic-VOTA	15285 11980
0559-0959	Arabic-GP	15475 15115 12050 11785 9800
0959-1159	Arabic-GP	15475 12050 11785 9850 9800
1015-1215	Arabic	17745
1100-1130	Arabic	17800
1115-1215	Thai	17770
1159-1259	Arabic-GP	17670 15475 12050 11785 9850 9800
1215-1315	Malay	17770
1215-1330	English	17595
1259-1359	Arabic-GP	17670 12050 11785 9850 9800
1259-1659	Arabic-VOTA	15285
1300-1530	Persian	15160 11560
1300-1600	Arabic	15220
1320-1450	Indonesian	17770
1330-1430	Bengali	17595

1359-1759	Arabic-GP	17670 12050 9850 9800
1500-1600	Hindi	17690
1500-1600	Pashto	17710
1530-1630	Afar	15155
1530-1630	Uzbek	9620
1530-1730	Swahili	11975
1600-1645	Zulu	11875
1600-1800	Albanian	9950
1600-1800	Turkish	6230
1600-1800	Urdu	17690
1630-1730	Somali	15155
1630-1830	English	15255
1645-1730	Shona	11875
1659-1759	Arabic-VOTA	15285 9700
1730-1815	Ndebele	11875
1730-1900	Amharic	15155
1759-2259	Arabic-GP	12050 9850 9800
1759-2330	Arabic-VOTA	15285 11665 9700
1800-1900	Italian	9988
1800-1900	Russian	6120
1800-2100	Hausa	15210
1830-1915	Lingala	15255
1830-1930	Wolof	15375
1900-2000	German	9900
1930-2030	Bambara	15375
1930-2030	Fulani	17840
2000-2115	French	9900
2000-2200	Arabic	11990
2030-2200	English	15375
2030-2230	French	15335
2100-2200	Yoruba	15210
2115-2245	English	9900
2215-2330	Portuguese	15420
2300-0030	English	9900
2330-0045	Arabic	17770 15220

GP=General Arabic Program, VOTA=Voice of the Arabs (BBCM)

**ERITREA** 7395 *Voice of the Broad Masses of Eritrea*, 1743-1759\*, here ex-7390, mostly local singing, final ann in Vernacular—weak, //7175. (10-Jul/Timofeyev-RUS/DSWCI DX-Window/Krone-DEN)

The *Voice of the Broad Masses of Eritrea* will start two new broadcasts in Bilen and Saho [Eritrean vernacular languages] as from 6th July. The Bilen program will be broadcast twice a week, on Mondays and Thursdays. The Saho program will also be broadcast twice a week and that will be on Tuesdays and Fridays. The two programs will be broadcast between 1500-1530 on the 41 and 42 metre bands (VOBME/BBCM)

**ETHIOPIA** 6315 *Voice of the Tigray Revolution*, Makele (t), 1545-1600, Tigrinya? M making a speech. There was a pronounced echo present. It could have been in an enclosed space. There was applause at times. Short ethnic musical items sung.—No identifiable ID was heard. (17-Jul/Clemitsen-RSA/DSWCI DX-Window/Krone-DEN)

11800 *Voice of Peace* had to struggle to hear quickie EE ID @1100, quickly into local language, under dominant AA on freq. (14-Jul/Quaglieri-NC)

**GABON** 7270 *RTV Gabonaise* in FF @0513 w/program of Afro mx hosted by W. ID's as "Radio Gabonaise." Fair-good. (16-Jul/Quaglieri-NC)

**GEORGIA Republic of Abkhazia Radio**  
0330-1730 Abkhaz/RR/Georgian 9489.75 (BBCM)

9489.75 *Republic of Abkhazia Radio*, Sukhumi, 0332-0403, news/talks, mostly by woman announcer, w/occasional short music bridges. Not strong but best I've hrd it so far since frequency change from 9494.7. (14-Jul/Clark-ONT) [Also heard weakly from my NC vacation site.—AJ]

**IBC Tamil** (UK) relay via Georgia:  
0000-0100 Tamil 9490-Georgia (BBCM)

**GERMANY** A station in South East England called *Sunrise Radio* is broadcasting from 0600-2000 on 5850 kHz. The programs after 0800 are in English, with most of the others in Asian languages. (Haries-UK/DSWCI DX-Window/Krone-DEN)

**GUINEA** 7125, *R. Conakry*, 2110-0001\*, mostly long talks in Vernacular (often with strong French accent), local mx including guitar-like melodies, final French ann and anthem. (10-Jul/Timofeyev-RUS/DSWCI DX-Window/Krone-DEN)

**HUNGARY** *R. Budapest* in Hungarian: 0100-0130 new 11680 (ex 6120), 0900-1000 (-1100 Sun) 17810 replacing 17780, 1800-1900 5990 replacing 5960, /3975. In Serbian 1700-1730 Mon-Sat new 3975 (ex 6145), 1930-2000 Suns only new 3975 (ex 7155), and 9570 replacing 9750. (13-Jun/PanView-BUL/BCDX/EDXP/Padula-AUS) Noted on new 11685 with Hungarian @0215. (5-Jul/Padula-AUS/EDXP) Noted on new 17810 ex 1760 [sic] to Australia with Hungarian \*0900-1000\*// 21560 (11-Jul/Padula-AUS/EDXP)

**ICELAND** *Rikisutvarpid's* current one-day-observed schedule:

1201-1303	13865 15775
1304-1438	11402 (from approx. 1410) 13860
1845-1929	11402 13865
1935-2006	11402 13860
2259-2331	9275 11402

(17-Jul/Timofeyev-RUS/DSWCI DX-Window/Krone-DEN)

**INDIA** 5040 *AIR Jeypore* in Orissa is testing again both in the morning and evening and it should easi-

ly propagate to dxers worldwide. 0030-0200 and 1200-1500 on 5040 with Indian film mx has been noted in the past few days rather regularly. The daytime freq of 6040 has not been observed yet. No station ID has been observed yet. The signal overrides RRI Pekanbaru and is of very good quality. Addr: Mr P. Subramaniam, The Assistant Station Engineer, AIR Jepore, Jepore 764 005 Orissa, India. The Engineer is a very active Ham Operator and SWL and one shouldn't have any problems with QSLs. (27-Jun/Goonetilleke-SRI/BCDX/EDXP/Padula-AUS)

**INDONESIA 3175.3 RSPDT2 Halmahera Tengah.** Soasio, 1250-1330, is active, noted with popular mx, 1300 no SCI was given, but relay of RRI Jakarta "Economic...news" til 1314 "Bagimu Negri" now local ID, 1320 ID again, time ann, phone in conversations with some different callers, popular mx. 25432. Frequency varied to -3174.9 (22-Jun/Schulze-PHL/DSWCI DX-Window/Krone-DEN)

3215v **RRI Menada**, 1055-1200, 25332, active, heard with popular mx, 1100 local ID and local nx til 1106, xylophone instrumental mx, 1159 SCI relay RRI Jakarta "Warta Berita," 1200 3 time pips. (19-Jun/Schulze-PHL/DSWCI DX-Window/Krone-DEN)

3224.8 **RRI Tanjung Pinang**, 1140-1206\*, popular mx, ID, 1158 SCI, relay RRI Jakarta "Warta Berita," no "Bagimu Negri" at 1205, short pause, 1206 ID, s-off. (22-Jun/Schulze-PHL/DSWCI DX-Window/Krone-DEN)

3264.6 **RRI Gorontalo**, 1059-. ID, IS gong intervals, TA, local nx. (19-Jun/Schulze-PHL)

3325.0 **RRI Palangkaraya**, Mention of Palangkaraya at 1407. "Siaran Radio Pendidikan" at 1417. Fair. (29-Jun/Yamada-JPN/Jembatan DX)

3395.1 **RRI Bandar Lampung**, Jakarta news relay at 1500. ID by M at 1519 as "...bersama kami Radio Republik Indonesia Bandar Lampung," then carrier was stopped for 1 minute. Local pops and M tlk at 1520. Fair to poor. I confirmed station name was changed. (1-Jul/Yamada-JPN/Jembatan DX) [Former **RRI Tanjung Karang-AQ**]

3976.0 **RRI Pointianak**, 1115-1130, "Mimbar agama Kristan," relig progr, 1125 prayer, religious choir, 1126 ID, 1130 IS, TA, ID local nx. (29-Jun/Schulze-PHL/DSWCI DX-Window/Krone-DEN)

4003.2 **RRI Padang**, 2306-2315, Jakarta news relay (W speaker), choir. //3395.1 Bandar Lampung, 4766 Medan and 4925 Jambi. (9-Jul/Veldhuis-HOL/DSWCI DX-Window/Krone-DEN)

4766.0 **RRI Medan**, 1120-1400\* regular active again at this listed freq. Fade in at around 1120. No "Love Ambon" (Schulze-PHL/DSWCI DX-Window/Krone-DEN)

5040.01 **RRI Pekanbaru**, 1325-1425, Lang: Indonesian. Had own IS, ID and local news at 1330 until @1345 after which non-stop music, first

Indonesian pop, later on more traditional almost sounding like Indian music. (4-Jul/Boogert-TWN/DSWCI DX-Window/Krone-DEN)

7098.3v **RRI Jakarta** Programa Nasional Dua, 2230-2300, //15150, (24-Jun/Schulze-PHL/DSWCI DX-Window/Krone-DEN)

7241.4 **RRI Palu**, 0750-0855\*, new frequency ex 7234.4, popular mx, 0759 SCI, relay RRI Jakarta "Berita Orahlaga," //7173.2 9552.5 9565 9630 11760 15125 all heard. ID "RRI Jakarta Santara Dua programa Nasional," til 0830, separate local progr, clear ID "Radio Republic Indonesia Palu," instrumental and piano mx, s-off. 0827 strong splatter QRM by RTTY. Signal of RRI Palu was very weak. At 0850 RRI Jayapura on 6069.8 fade slowly also in! (29-Jun/Schulze-PHL/DSWCI DX-Window/Krone-DEN)

9565.0 **RRI Jakarta** Programa Nasional in Indonesian noted w/excellent signal in passing @0930. (14-Jul/Quaglieri-NC)

9741.62 **RRI Sorong**, 1115-1221\*, EZL music, then lengthy talk by woman. Remained on for extended 1200 Jakarta news, then carrier off 1222\* after the "new-style" anthem. Very weak at tune-in, improving a bit circa 1145, fading down to very low level after 1200. (15-Jul/Clark-ONT)

11784.88 **Voice of Indonesia** noted t/in to 4K tone around 0756, directly into ID and English program 0800. Fair level, quite listenable until 0824 when the Brazilian fired up on 11783.21 with its OC. RRI still audible in USB until 0900, when Brasil commenced programming. (4-Jul/Quaglieri-NY)

15125 **RRI Cimanggis**, 2339-2351, "RRI Jakarta" ID at tune-in, jingle (sounded like 'super artist', repeated a few times), ballad, W speaker in Indonesian, Indonesian popmusic, RRI jingle. (1-Jul/Veldhuis-HOL/DSWCI DX-Window/Krone-DEN)

The evening program of **RRI Serui** on 4606.4kHz was not heard in the end of June. (Yamada-JPN/Jembatan DX)

**IRAN Voice of the Islamic Republic of Iran** sked, based on observations and updates:

0000-0230	Arabic	9615 6120 5995
0030-0130	Bengali	11785
0030-0130	English	9685 9022 6055
0030-0130	Spanish	9650
0130-0230	Spanish	9650 6175 6055 6010
0130-0230	Urdu	11915
0230-0330	Arabic	7190 7130 5995
0230-0330	Pashto	11915 7130
0230-0330	Spanish	6175 6055
0230-0430	Azeri	9615
0300-0330	Armenian	9615 6210
0330-0400	Arabic	9610 7115
0330-0430	Pashto	9570 6005
0330-0430	Swahili	15320 13605 11750 7260
0400-0430	Arabic	9610 7295 7115

0430-0530	Arabic	9610 7295 7115
0430-0530	Turkish	15260 11790 9525
0530-0630	Bosnian	15230 13610 9525
0530-0630	Spanish	15260 11790
0530-1130	Arabic	17570 15585 15350
0545-0630	Hausa	13755
0630-0730	French	15325 15260 11790
0630-0730	Italian	15230 15084 13615v 9022
0930-1000	Armenian	11705 9615
1100-1230	English	15260v 13605 11875v 11830
1130-1200	Arabic	17570 15585 15350 15125 13605 11745
1200-1230	Arabic	17570 15585 15350 15125 11745
1200-1300	Italian	15115 15084
1230-1330	Arabic	17570 15585 11745
1230-1330	Malay	15200 13760 13605 11885
1230-1330	Pashto	11875v 11830
1330-1430	Arabic	15350 11995
1330-1430	Chinese	13685 13605 11885
1330-1430	Urdu	11830 11775 9585 9525 7150 6175
1400-1500	Russian	11960 11930 9735 9575
1430-1530	Bengali	13605 11875 11830 7215
1430-1530	Pashto-z	11830
1430-1530	Urdu	11775 9525 7150
1430-1700	Arabic	11995 7190
1530-1630	English	13605 11775 7215v
1530-1630	Pashto	9525 7150
1530-1630	Russian	9740 9575 9022 7260 7230
1530-1730	Urdu-z	11830
1600-1730	Tajik	7180
1630-1730	Armenian	9620 9535 6005
1630-1730	Turkish	9525 9022
1630-1730	Azeri	11885 7170
1700-1830	Arabic	9695 7190 6025
1730-1830	Azeri	7170
1730-1830	Bosnian	11655 9615 7340 7295
1730-1830	German	9530 9022 7260 7160
1730-1830	Russian	7290 7165 7115 6035v
1730-1830	Swahili	11750 9650
1730-1830	Turkish	11885
1830-1900	Albanian	9615 7340 7295
1830-1930	Arabic	9695 7190 6145 6025
1830-1930	French	11900 9022 7260 7160
1930-2000	Italian	9615 7340
1930-2030	Arabic	9695 7190 6145 6025
1930-2030	English	9022 7260 7160
1930-2030	Russian	9740 7305 7290 7175
1945-2030	Hausa	11720 9605
2030-2130	Arabic	9695 7190 6145 6025
2030-2130	Spanish	9022 7260
2130-2230	Bosnian	7170 7125
2130-2230	English	6175 6025
2130-2330	Arabic	9022 7260 5995
2330-0000	Arabic	9615 6145 5995
2330-0030	Chinese	11915 7215 7130
2330-0030	French	9022 7260 6030

(BBCM + Timofeyev-RUS/DSWCI DX-Window/Krone-DEN)

**KENYA** 4915 V. of Kenya, Nairobi, \*0259-0310, IS of drums & flutes at surprisingly good level initially, although fighting thru unusually strong signal from R. Anhanguera; clearly // 4935 for IS, anthem, then into talk in lang but quickly dominated by the Brazilian. Presumably with 10 kW according to latest info from KBC. Quite pleased—haven't hrd this channel for years! (14-Jul/Clark-ONT)

4885 V. of Kenya, Nairobi, \*0258-0301, managed a few bits of IS and choral anthem using LSB on this very messy freq, //4935 which was quite poor thru QRN. Hearing nothing of KBC on 6150 although station has said it was in use as the National Service channel. (19-Jul/Clark-ONT)

4935 V. of Kenya, Nairobi, \*0259-0320, IS at very good level to 3+1 pips at 0300, choral anthem, then man in EE with lengthy list of MW frequencies. Signal started great but tailed off to just fair level by 0305. (14-Jul/Clark-ONT)

**KIRIBATI** 9810 Radio Kiribati, 0500+ July 14 & 18—no sign of this being on the air. Last hrd on June 13, 15 & 16. (Clark-ONT)

9809.95 R. Kiribati (t), @0935 in local lang w/ program of odd reggae/cowboy/religious tunes hosted by W, possible ID @ 0950. Poor. (14-Jul/Quaglieri-NC)

**KOREA—NORTH** Radio Pyongyang to S. Korea: 0000-2030 Korean 6400 6250 3320 3250  
2100-0000 Korean 6400 6250 3320 3250  
(BBCM)

**KOREA—SOUTH** Radio Korea International

0000-0100	Japanese	11810 9640
0100-0200	Korean	7275
0100-0200	Spanish	15575 11810 11725
0200-0300	English	15575 11810 11725 7275
0300-0400	Korean	15575 11810 11725 7275
0400-0430	Korean	15575
0700-0800	Korean	9535-u 7550
0800-0900	English	13670 9570
0800-0900	Japanese	9640 7275 5975
0900-1000	Korean	13670 9570 7550 7275 5975
1000-1030	Spanish	11715-c 9580 7550
1000-1100	Korean	13670 9570 7275 5975
1030-1100	English	11715-c
1030-1100	Spanish	9580 7550
1100-1130	Korean	9650-c 9640 9580 6145-c 7275
1100-1200	Russian	7275 1170
1130-1230	Chinese	9640 6055
1130-1230	Indonesian	13670 9570
1200-1300	English	7285
1200-1300	Japanese	6135 5975 1170
1230-1300	English	13670 9640 9570 6055
1300-1400	Chinese	7285 6135 5975 1170
1300-1400	Korean	13670 9640

1400-1500	Indonesian	13670
1400-1500	Japanese	7275 5975
1500-1600	Russian	9515
1600-1700	Arabic	7275 6150
1600-1700	English	9870 9515 5975
1700-1800	French	9870 9515 7275
1700-1900	Korean	15575 7550 5975
1800-1900	German	7275 6480
1800-1900	Russian	9870-u
1800-1900	Spanish	9870 9515
1900-2000	Arabic	15575 9515 7550 6480
1900-2000	English	7275 5975
1900-2000	French	9870 6145
2000-2100	German	15575 7550 6145-u
2000-2100	Russian	5975
2000-2100	Spanish	9870 7275 6480
2100-2130	English	6480 3970-u
2100-2200	Arabic	9870
2100-2200	English	15575
2100-2200	Korean	9640 7275 5975
2200-2300	Chinese	9640 7275 5975
2200-2300	Spanish	6150
2300-0000	Indonesian	9640 7275
2300-0100	Korean	15575 5975

c=via Sackville, Canada; u=via Skelton, UK (BBCM)

**LAOS** v4682.5 *Houa Phan* (p) noted early morning 8th Jul \*2330, 9th Jul 0005\*, apparently off at 0030 (but fading out almost to nothing by that time) and again 9th Jul 2225-2305\* with IS at 2225-2230. So sched for this one looks like 2230-0030, 1030-1230. A regular here although not particularly strong, very distinctive IS 5 mins before sign on has repetitive, slow alternation between two notes with other instruments warbling away in the background. (9-Jul/Davies-THA/WWDXC TopNews/Bueschel-FRG)

**LIBERIA** The State-owned *Liberia Broadcasting System* has been shut down temporarily. The station's management say it is closing down due to technical reasons. It further said the closure was to enable the station to relocate from Ducor to its original Paynesville site. The LBS management said further that it is making efforts to acquire needed equipment for the re-opening of the station. (2-Jul/Star Radio/NU/EDXP/Padula-AUS)

6104.04 *R. Liberia International*, 0634-0710, fair with West African highlife and soca-ish songs, man at 0645 with "R. Liberia" ID, back to songs. Live M from 0659 with TC, ID, reference to "... point seven" (FM freq, or temperature?), back to mx at 0702. (23-Jun/Krueger/NU/DSWCI DX-Window/Krone-DEN)

**MADAGASCAR** 3288.0 *R. Madagasikara*, Antananarivo, 2103, endless songs with some talk in vern language in between. Definitely //5009.6, but better reception quality on 90m in USB. No s/off until at least 2132. This station is hopping

around in the 90m band. Two weeks ago they used 3215 for a few days. Now they seem to have returned nearly to their old frequency, although the signal is now definitely better than before. New transmitter? (26-Jun/Rouw-FRG/DSWCI DX-Window/Krone-DEN)

**MALAWI** 5993.4 *MBC*, 1746-1810\*, again here after some months of silence. Vernacular talk, 1800 English ann, usual ID as "This is the Malawi Broadcasting Corporation," nx—poor (also on July 10, 1706-1939\*—but no signal till 1700, tentatively with "International service of the MBC" till 1800, no signal at 0300 in the morning on July 10) (9-Jul/Timofeyev-RUS//DSWCI DX-Window/Krone-DEN) 5993.3 *MBC* Blantyre, 0432-0440, native vocal, then lang talk by man. Poor and badly squeezed between adjacent channel QRM. Presumed the one reactivated here after absence of some months. (18-Jul/Clark-ONT)

**MALAYSIA** A small correction to be made to the Sarawak data as given in last month's LN: 7270: Kuching—0100-0300 correct "Bidayah" to "Bisaya." Bisaya is one of the indigenous languages and is broadcast within the Iban Network. It is announced as "Sambung Bisaya," meaning "connect to the Bisaya program," or "relay of the Bisaya program." (Padula-AUS/EDXP)

**MALI** *China National Radio* via Mali relay, new sked since Jun 1:

1830-1927	Arabic	9770
1930-1957	Portuguese	9770
2000-2057	English	9770
2100-2127	English	7170
2130-2227	French	7170
2230-2257	Chinese	7170
2300-2357	Spanish	7170

(NDXC/EDXP/Padula-AUS)

**MOZAMBIQUE** 7135 *R. Internacional de Mozambique*, Maputo, 0950-1015, Portuguese/Ethnic. M with talk program. Local, Angolan and other issues. 1000 ID News. No // could be found. (23-Jun/Clemilton-RSA/DSWCI DX-Window/Krone-DEN) 9619.42 *R. Mocambique* (t) distorted audio, M in PP @0446, lotsa talk, possibly local nx; tough w/REE-9620 messing the place up. (16-Jul) and 0320 w/Qu'ran, still tough. (17-Jul/Quaglieri-NC)

**NEW ZEALAND** Confirmation came through on July 13 that reduced funding from the NZ Ministry of Foreign Affairs for *Radio New Zealand International* will result in staff and programming reductions to take effect from August 3, 1998.

With New Zealand's official shortwave voice already running on a very tight budget, the cut of NZ\$166,000 (about US\$85,000) or 13 percent reduc-

tion in annual funding means a significant cutback in programming services.

Weekly transmissions will be cut back by 12 hours, with the daily closedown moving from 1200 UTC back to 1015 UTC.

RNZI's own programming is reduced from 11 hours to 5 hours daily. The breakfast session will be retained but from 10.30am till 10.15pm NZT (2230-1015 UTC) RNZI will relay Radio New Zealand's 'National Radio' domestic service. The only exceptions are expected to be an RNZI Pacific Islands news bulletin insert at 4.00pm (0400 UTC) and occasional Cyclone Warning Broadcasts. The Foreign Affairs Ministry has made a small grant (US\$9000) to ensure the latter unique service is maintained.

The only Pacific Island language programming to be retained will be the local morning news broadcasts in Samoan, Cook Islands Maori, Tongan and Niuean.

Evening programming to be dropped includes the popular Pacific Islands language music request programs and a number of English language features including Rudi Hill's "On the March" feature. At this stage the future of RNZI's listener feedback program "Mailbox" is uncertain. 5 part-time RNZI staff will lose their jobs, in effect reducing the total fulltime equivalent staffing by 25 percent to just 9.

Interviewed on RNZ's National Radio, former RNZI Head Ian Johnstone described the move as "a step backwards." He noted that 3 government-sponsored reviews by independent analysts into the cost effectiveness of RNZI since its return to air with a 100kw transmitter in 1990 have all supported its continued operation. Sharon Crosbie, Chief Executive of Radio New Zealand says she is sad and frustrated that RNZ has to implement cutbacks to such a valuable service. (Clark/NZ Radio DX League/DSWCI DX-Window/Krone-DEN)

**NIGER** 7155.01 *LV du Sahel*, 0528 traditional vocal mx, 0530 M psg ID (very lo modulation), back into mx. Much earlier than scheduled here. (16-Jul/Quaglieri-NC)

**NORTHERN MARIANA ISLANDS** Herald Broadcasting Syndicate (HBS), a wholly-owned subsidiary of The First Church of Christ, Scientist, in Boston, has sold its Saipan shortwave broadcasting facility (*KHBI*) to Radio Free Asia (RFA), a government-funded independent corporation.

The station's assets include two 100 KW transmitters and three curtain antennas. The sale agreement includes an undisclosed amount of cash plus broadcasting time for the continuation of some of HBS programs. (C. Ed Evans—HBS Senior Station Manager)

**OMAN BBC** via Masirah Island: 17790 is not using World Service at 0810-0830, instead they are carrying Hindi at 0810 and Urdu at 0820-0830. Also Masira is using 11850 (ex 11760) with English by Radio at 0230-0245. (4-Jul/das Gupta-IND/EDXP/Padula-AUS)

**PAKISTAN R. Pakistan** is now using 11795 with Urdu at 0045-0215 and English at 0230-0245 replacing 11760. (4-Jul/das Gupta-IND/EDXP/Padula-AUS)

**PARAGUAY Radio Nacional** in Paraguay inaugurated new studio facilities on 18 June, announcing they will have a foreign service on shortwave in English, German and French. No schedule was given. (9-Jul/World of Radio/Hauser-OK)

**PERU** 4039.2 *Radio Marginal*, Tocache, 2345-0005, Spanish, huayo music, man and woman talking, tentative ID at 0000, Tocache mentioned at 0002. (3-Jul/Schnitzer-FRG/DSWCI DX-Window/Krone-DEN)

4824.42 *Radio La Voz de la Selva*, Iquitos, 1020-1035 poor w/strong noise "Comunicados" and "avisos." At 1031 canned ID was given by M "Desde el corazon de la amazonia peruana para el mundo, transmite La Voz de la Selva...todo." (27-Jun/TIN-JPN/Relampago DX)

4855.5 *Radio La Hora*, Cusco, 2259, news read by SS M at 2300, jingle with ID played at 2309, long talks by M presenter, interview. (3-Jul/Joosten/DSWCI DX-Window/Krone-DEN)

5018.65 *R. Horizonte*, Chachapoyas, Amazonas, 0105 Intriguing mix of Spanish-language hip-hop and modern adaptations of local melodies on electric instruments; ID in passing by man in program "Armonias Tropicales." (19-Jul/Novello-NC)

5304.99 *R. La Inmaculada*, Santa Cruz, Cajamarca, 0205 Contemporary Spanish-language popular mx, traditional acoustic flute stuff, man with ID atop. (19-Jul/Novello-NC)

5522.22 *R. Sudamerica*, Cutervo, Cajamarca, 0217 Station promo read live by M announcer, a few seconds of mx, then dropped carrier. (19-Jul/Novello-NC)

6479.72 *R. Altura*, Cerro de Pasco, Pasco, 0235 Rustic vocals with acoustic guitar and accordion, occasional anncet by man. (19-Jul/Novello-NC)

6535.7 *Radio Difusora Huancabamba*, 0040-0100, Spanish, Andean music, time announcements, ID by man. (5-Jul/Schnitzer-FRG/DSWCI DX-Window/Krone-DEN)

6811.73 *Radio Ondas del Rio Mayo*, Nueva Cajamarca, 1103-1120 fair w/Carnavalito with "Comunicados" and "avisos." At 1118 M ID "Desde Nueva

Cajamarca en la Region San Martin, transmite Radio Ondas del Rio Mayo para todo el Peru y el mundo." (18-Jul/TIN-JPN/Relampago DX)

**PHILIPPINES Radio Veritas Asia sked:**

0000-0025	Karen	9535
0000-0025	Sinhalese	11805
0030-0055	Kachin	9535
0030-0055	Tamil	11805
0100-0125	Bengali	15335
0100-0125	Telugu	15530
0130-0155	Hindi	15335
0130-0225	Vietnamese	15530
0200-0225	Urdu	15335
0230-0325	Russian	11805
1000-1025	Hmong	9555
1000-1155	Chinese	9520
1030-1125	Vietnamese	11850
1130-1155	Burmese	9670
1200-1225	Indonesian	9505
1200-1225	Karen	9670
1230-1255	Kachin	9670
1300-1325	Vietnamese	7265
1330-1355	Hindi	9680
1330-1355	Sinhalese	9660
1400-1425	Bengali	9680
1400-1425	Tamil	9520
1430-1455	Telugu	9520
1430-1525	Russian	9660
1500-1525	Filipino	9610
1525-1555	Filipino	9610 Su/We/Fr
1530-1555	Urdu	9670
1530-1555	Zomi-Chin	9525 Mo/Tu/Th/Sa
2100-2255	Chinese	6190
2230-2255	Filipino	6075
2300-2325	Indonesian	11820 9505
2330-2355	Burmese	9535
2330-2355	Vietnamese	9670

(BBCM)

**R. Filipinas** in English/Tagalog via VOA Tinang 250 kW noted on new 15100, 0230-0300. Scheduled on 11885, 15120 15270 (16-Jul/RN Media Network/WWDXC TopNews/Bueschel-FRG)

**POLAND** According to the report on the BBC Russian service, a new station—*Radio Svobodnaya Belarus* (R. Free Belorussia) will begin bcs towards Belorussia this autumn from the transmitters in Poland. The station is funded by the US Govt and the European Union. (13-Jul/Pashkevich-RUS/WWDXC TopNews/Bueschel-FRG) Radio Free Belarus is to start broadcasting from Bialystok [eastern Poland] after the holidays.

The Americans and the EU will prop up this export of democracy from Poland with several millions of dollars. Watching Belarussian President Lukashenka liquidating the last remaining independent media, Belarussian journalists decided one year ago that a free radio station could only be set up abroad.

The radio station will use the premises of the Bialystok-based Educational Centre Poland-Belarus, which is headed by Eugeniusz Wappa, chairman of the Belarussian Union in Poland, and Artur Smolko, former deputy from the Union of Labour.

"Today, there is no independent television or radio station in Belarus," Wappa said. "This kind of radio station could furnish Belarussians with true and impartial information on what is going on in their country."

The station's programming, which will initially be aired eight hours daily, would be prepared by journalists from the Belarussian section of the Fifth program of Polish Radio, possibly from the Belarussian section of Radio Liberty, and persecuted journalists from Belarus.

Current plans involve use of mediumwave Polish Radio transmitters in Bialystok. (BBCM) [OK, hand count: who among us did not immediately think of "Bialystock & Bloom" from the film "The Producers?"—AQ]

**PORTUGAL RDP** noted on new 9765 with Portuguese 0300-0330\*, Jun 26. Lots of speculative and conflicting info concerning RDP scheduling in various sources of late: also noted on 9765 11770 11840 13640 and 13700 with Portuguese to Americas 0000-0200 (1-Jul/Padula-AUS/EDXP)

**RDP** via Sines: official sked is 0645-0800 Mon-Fri 11780; 0830-1000 Sat-Sun 9575. However, observed 0830-1000 on NF 11850, not audible on listed 9575, (24-Jun/Green-UK/BCDX/EDXP/Padula-AUS)

**RDP** noted with an apparent new service in Portuguese \*0300v-2300v on 13745, Jun 20-25. (Paniview-BUL/BCDX). Service to Timor noted 1105-1200 Tetum and 1200-1300 Portuguese Mon-Fri, Portuguese Sat-Sun 0700-0900 all on NF 17740 (24-Jun/Green-UK/BCDX/EDXP/Padula-AUS)

Monitoring of **RDP** transmissions here in Melbourne revealed the following: \*2300-0330\*: five transmitters in use simultaneously on 9765 11770 11840 13640 and 13700; \*0700-0800+\*: five transmitters in use—21655 17725 17740 15555 9780, all carrying the same Portuguese program. A SIXTH transmitter noted on 13745 0700-0800+ carrying a different Portuguese service, announced for "Angola and Southern Africa." 13745 actually audible here from around 0600 to past 1000. Jul 4 (Bob Padula)

**RUSSIA** I have never seen a *Voice of Russia* (or Radio Moscow) schedule as slim as this one! Valid from 1st August until 6th September 1998:

0000-0100	Spanish	12070	12060	12030	12010
		11630	9830	9810	9775
		9665	9480	9470	7440 7390
		7280	7125	7105	

0100-0200	Russian	15595 15520 15455 15425 15180 13665 12050 12000 11630 9480 7125	1600-1700	German	15485 12070 12030 12020 11655 9450 7330
0100-0200	Spanish	12070 12060 12030 12010 9945 9830 9775 9470 7440 7390 7380	1600-1700	Hungarian	12070 12060 11980 11745 7440 7420
0200-0300	Russian	15595 15520 15455 15425 15180 13665 13640 12050 12000 11980 11630 9895 9890 9480 7350 7125 6065	1700-1730	Finnish	11675 9820 7290
0300-0400	Russian	12000 9895 9890 7350 7125 6065	1700-1800	Arabic	15595 15470 12000 11820 9975 5925
0300-0400	Spanish	9810 9675 9550 9450 7440 7420 7390 7330 7310 7230 7180 6185	1700-1800	Bulgarian	15465 15290 15125 11690 9785 9480 9470
0900-1000	German	17670 15455 11745	1700-1800	French	15545 12030 12025 12000 9890 9710 7425
1000-1100	Chinese	15535 11730 9835 7420 7330 7245 5940	1700-1800	German	15485 12030 9450
1000-1100	Korean	13775 11970 11695 9875	1700-1800	Italian	15455 12060 9810
1100-1200	Chinese	11730 11695 9835 7330 7245 5940	1700-1800	Polish	12020 7330 7310
1130-1230	Mongolian	11970 9845 7400 Su	1700-1800	Russian	12040 11930 9810
1130-1230	Mongolian	11970 9845 Mo-Sa	1700-1800	Slovak	12070 11745 7440
1200-1300	Chinese	11970 11860 11730 9835	1730-1800	Norwegian	11675 9820 7290 Tu/Th/ Sa
1200-1300	Japanese	11695 7150	1730-1800	Swedish	11675 9820 7290 Su/Mo/ We/Fr
1200-1300	Korean	9895	1800-1900	Arabic	15595 15470 12000 11820 9975 9945 9835 7325 5925
1200-1300	Russian	17685 15550 15525 15510 15170 11675 9940 9480 7330 5940	1800-1900	Czech	12070 11745 7440
1200-1300	Vietnamese	17795 17570	1800-1900	French	15545 12030 12020 11970 9890 9810 9710 7390
1300-1400	Chinese	11860 11730 7245	1800-1900	German	15485 12060 12030 12020 9450 7310
1300-1400	Dari	15560 4975 4940 4730	1800-1900	Greek	15465 15455 15290 15125 11690 9785 9470
1300-1400	Hindi	17675 17655 17610 15460 15170 13615 11845 7510 11695 9895 7150	1800-1900	Russian	15535 15470 12040 11980 11930 11920 11890 9560 9480 7355 7310 7255 7185
1300-1400	Japanese	17685 15550 15525 11675 11665 9940 9480 7330 5940	1900-2000	Arabic	15595 12000 9975 9945 9835 9785 7325 5925
1300-1400	Russian	17685 15550 15525 11675 11665 9940 9480 7330 5940	1900-2000	French	15545 12030 11630 9890 9810 9710 7390 7310
1400-1445	Bengali	17655 15460 11845	1900-2000	Russian	15535 15470 15465 15455 15290 12040 11980 11930 11920 11890 11745 11690 9560 9480 7355 7310 7185
1400-1500	Pushtu	7295 4975 4940 4730	2000-2100	Russian	15535 12040 11920 11890 9785
1400-1500	Urdu	17610 15560 15170 13615	2000-2100	Spanish	12070 12030 11980 9890 9450
1445-1500	Nepali	17655 15460 11845	2100-2200	Portuguese	12070 12030 11980 9890 9450
1500-1530	Albanian	15455 15290 11690 9810 9785	2200-2300	Portuguese	12070 12060 12010 9775 9470 7440 7390 7380
1500-1600	German	15485 12070 12030 12020 11980 9765 9710 9450 7330	2300-2400	Russian	11630 9480 7125 7105
1500-1600	Hindi	13615 12025 11845 11655 7510	(4-Jul/Direct/BDXC DX-Hotline/Nieuwenhuis-HOL)		
1500-1600	Persian	11985 9835 5925	<b>Radio Station Tikhyy Okean sked:</b>		
1500-1600	Russian	15515 15510 15490 11975 11850 9675	0715-0800	7210 7400 7490U 9670 9825 10344U 12055 12070 15490	
1500-1600	Turkish	12065 11895 9895 6005	1800-1845	5960 7170 7240 9735 9825 9895 11655 11775	
1530-1700	Serbo-Croat	15455 15290 11690 9810 9785			
1600-1700	Arabic	15470 12000 11985 11820 9975 9835 7325 5935 5925			
1600-1700	French	15545 15535 12025 11685 9710			

(Rudnev-RUS)



Some observed schedules of local programs with Mo-Fr program format (July 16):

#### Arkhangelsk

6160 0300-0400, 1410-1500

- full opening ID as "Govorit Arkhangelsk, v efire Gosudarstvennaya Teleradiokompaniya "Pomor'ye,"" also simply as "Govorit Arkhangelsk"
- "Ot semi do vosmi" ("From 7 to 8 hours") with music and information: 0300-0400
- News: 1410
- Local press review: 0357
- Weather reports: 0301, 0321, 0356, 1421, 1459

#### Murmansk

5930 0300-0410, 0700-0710, 0810-0910, 1410-1500, 1510-1600

- full opening ID as "V efire gorod-geroy Murmansk—Gosudarstvennaya Teleradiokompaniya "Murmansk,"" also simply as "Govorit Murmansk" or "Murmanskoye Radio"
- "Dobroye utro, Zapolar'ye" ("Good Morning, Polar Region"): 0300-0345
- "Radiostantsiya Atlantika" (for fishermen): 0810-0900
- News: 0305, 1414
- Local press review: 0348
- Local TV/Radio program schedules: 0407, 1455
- Weather reports: 0301, 0331, 0347, 0357, 0407, 0700, 0708, 0900, 0908, 1411, 1423, 1427, 1457
- "Spravochnoye Byuro" (advertisements): 0400, 0700, 0900, 1442
- "Radio Miks" (joint program with local FM commercial station called "Radio 69th (Shestdesyat-devyataya) Parallel" which operates on 103.5 MHz): 1510-1600

#### Yoshkar-Ola

6125 7200 0210-0300, 0310-0400, 1410-1500 in Russian/Mari

- opening ID in Russian as "Govorit Yoshkar-Ola, Mariyskoye Radio nachinayet svoyu utrennyuyu programm," also simply as "Govorit Yoshkar-Ola" or "Mariyskoye Radio"
- News in Russian (called "Vchera, Segodnya, Zavtra" or "Yesterday, Today, Tomorrow"): 0215, 1445
- News in Mari: 1410
- Local TV/Radio program schedules: 0212
- Weather reports in Mari/Russian: 0211, 0257, 0309, 0358, 1419, 1455 (17-Jul/Timofeyev-RUS)

**R. Netherlands** Dutch service via Khabarovsk now using new 13695 1330-1425 (ex 13755). (26-Jun/Miroshnikov/EDXP/Padula-AUS)

**Deutsche Welle** noted on new 13810 with German 1000-1200 strong level, missing from listed 11870 Novosibirsk so presume that is site! (4-Jul/Padula-AUS/EDXP)

**SAUDI ARABIA** Just a small correction to Mr. Timofeyev's fine schedule for **BSKSA** in the last DX-W [and LN]. The 2nd program outlet heard on 12038.6 kHz can be heard here too, but it's a harmonic of 6019.3 kHz fundamental! (Kernick) I am sure that 12038.6 is not harmonic—one and the same transmitter operates on 9578.6 and 12038.6 (nominal minus of 1.4 kHz), no any BSKSA signal at present and long before on exact 6019.3 which must form a second harmonic, presumably 6020v as "winter" freq in use only and 12040v as "summer" one (Timofeyev-RUS)

**SEYCHELLES FEBA Radio** in Swahili 0315-0400 (Tu/Fr-0345) on new 11770 co-ch RDP in Portuguese til 0330. (25-Jun/PanView-BUL/EDXP/Padula-AUS) **FEBA Radio** is now using Nepali/Tsangla on 15445 kHz replacing 15480 kHz at 1142-1157. (das Gupta-IND/DSWCI DX-Window/Krone-DEN)

**SINGAPORE BBC** relay noted on NF 9725 for morning Indo service \*2200-2300\* ex 9740. (30-Jun/Padula-AUS/EDXP)

#### SPAIN Radio Exterior de Espana sked:

0000-0100	Spanish	11945 11880-cr(Sun/Mon) 11815-cr(Sun/Mon) 9745-cr(Sun/Mon) 9620 9540 6125
0100-0200	Spanish	11945 9620 9540 6125 5990-cr(not Sun/Mon) 5970-cr(not Sun/Mon) 3210-cr(not Sun/Mon)
0200-0300	Spanish	9620 9540 6125 6055 5990-cr(not Sun/Mon) 5970-cr(not Sun/Mon) 3210-cr(not Sun/Mon)
0300-0400	Spanish	9620 9540 6125 6055 5990-cr(not Sun/Mon) 5970-cr(not Sun/Mon) 3210-cr(not Sun/Mon)
0400-0500	Spanish	9620 9540 6125 6055
0500-0700	Spanish	11920 11890 9885
0700-0800	Spanish	12035 9885 9760 9650 9615
0800-0900	Spanish	12035 9760 9650 9615
0900-1000	Spanish	17890 17755 17715 12035 9520-(Sun)
1000-1100	Spanish	17890 17755 17715 12035 9620-ch 9520-(Sun)
1100-1200	Spanish	17890 17755 17715 12035 11815-cr (not Sat/Sun) 9630-(not Sat/Sun) 9620-ch 9520-(Sun) 5970-(not Sat/Sun)
1200-1300	Spanish	17890 17805 17755 17715 12035 11910-ch 11815-cr(not Sat/Sun) 9630-cr(not Sat/Sun) 5970-cr(not Sat/Sun)

1300-1400 Spanish 17890 17805 17755 17715  
12035 11910-cr 11815-  
cr(Sat/Sun) 9630-cr(not  
Sat/Sun) 9500 5970-cr(not  
Sat/Sun)

1400-1500 Spanish 17890 17805 17755 17715  
12035 11880-cr(Sat/Sun)  
11815-cr(Sat/Sun) 9500  
5970-cr (Sat/Sun)

1500-1600 Spanish 17890 17805 17770 17715  
12035 11880-cr(Sat/Sun)  
11815-cr(Sat/Sun) 9500  
5970-cr(Sat/Sun)

1600-1700 Spanish\* 17770 15375

1600-1700 Spanish 17890 17805 17770-(Sun)  
17715 12035 11880-  
cr(Sat/Sun) 11815-cr(Sat/  
Sun) 9500 5970-cr(Sat/  
Sun)

1700-1800 Spanish 17890 17805 17770 17715  
12035 11880-cr(Sat/Sun)  
11815-cr(Sat/Sun) 9855-  
(Sat/Sun) 9745-cr(Sat/  
Sun) 9500 7275

1800-1900 Spanish 17845-(Sat/Sun) 17770  
17715 15125-cr 11815-cr  
9855-(Sat/Sun) 9745-cr  
7275

1900-2000 Spanish 17845-(Sat/Sun) 17770-  
(Sun) 15125-cr 15110  
11815-cr 9855 9745-cr  
7275

2000-2100 Spanish 17845-(Sun) 15125-cr  
15110 11815-cr 9855-  
(Sat) 9745-cr 7275

2100-2200 Spanish 15125-cr 15110 11815-cr  
9745-cr 7275

2200-2300 Spanish 15110 11880-cr 11815-cr  
9745-cr 7275 7270 6045

2300-0000 Spanish 11945 11880-cr 11815-cr  
9745-cr 9620 9540 6125

0000-0200 English 6055

0115-0145 Ladino 11775 Tu

0415-0445 Ladino 9690 Tu

0500-0600 English 6055

1700-1730 Russian 9500 Mo-Fr

1700-1900 Arabic 17890

1730-1800 German 9855 Mo/Th

1800-1900 French 9855 Mo-Fr

1825-1855 Ladino 6130 Mo

1900-2000 French 11830-(not Sun) 7170-  
(Mon-Fri) 6045-(Sat/Sun)

2000-2100 French 11830 9855 Su

2000-2100 English 11830 9855 Mo-Fr

2000-2200 Arabic 7270 6045

2100-2200 English 11830 9855 Sa/Su

2300-0000 French 6055

\*-for Equatorial Guinea (BBCM)

**SRI LANKA** *Deutsche Welle* via Trincomalee noted on new 9815, ex 9690, for morning Indonesian service \*2200-2250\* (27-Jun/Padula-AUS/EDXP)

11835 *SLBC* excellent in EE w/ID @1030. (14-Jul/Quaglieri-NC)

11904.98 *SLBC* decent signal in EE 0152 w/orchestral mx, W announcer 0154. (13-Jul/Quaglieri-NC)

15425 *SLBC* fair/good @0215 with EE program about fusion research. (17-Jul/Quaglieri-NC)

**TAHITI** 15170 *RFO* Papeete, 0230-0330 July 12-15, unhrd in daily checks during this timeframe. Similarly unhrd July 17 & 18. (Clark-ONT)

**TANZANIA** 7165 *R. Tanzania*, Dar es Salaam, 1415-, Swahili, folk mx, singer, ID at 1430 by W "R. Tanzania, Dar es Salaam..." (28-Jun/Schulze-PHL/DSWCI DX-Window/Krone-DEN)

**THAILAND** 6149.8v *Or Sor* (Amporn Sathorn) Bangkok, 1345-1359\*, extended schedule this day! Thai, political talks, items of IND & PAK, at 1358 ID, s-off. (27-Jun/Schulze-PHL/DSWCI DX-Window/Krone-DEN)

**TURKEY** *V. of Turkey* noted on new 17745 opening Chinese at 1100, 4 Jul. Also noted on 13660 with Tu signing on at 0000, excellent level (5-Jul/Padula-AUS/EDXP)

**UKRAINE** I haven't seen anyone mention that *Radio Ukraine International* has not been heard for a few weeks now, at 2100, 0000 or 0300 on 9550/12040 (13-Jul/Grishin-ONT/Review of International Broadcasting/Hauser-OK)

**UNITED KINGDOM** *Merlin Network One*, now b/cing from Wed at 1700 to Thu at 0100, is "planning" to go 24 hrs. a day. Capacity is available, and they think there is a market. Present Wed/Thu sked:

0000-0100	9645 11985 13690
1700-1900	15200
1900-2100	13690 15565
2100-2200	11915 11985 13690
2200-2300	9645 9780 11915 11985 13690
2300-2400	9645 9780 11985 13690

(VOA Communications World/NU/EDXP/Padula-AUS + Costello/Hauser)

15200 *R. Caroline*, Relay via Merlin Network London, (Woofferton?), 1835-1900, English. Chit-chat and Pop music. Continued until around 1849 when one of the announcers stated that after a long walk down to the transmitter room R. Caroline would close down, but would be back. Song "Imagine" played. After a promise to return next Wednesday R. Caroline closed down. Immediately after an I/D "This is Merlin Network 1 London it is..." The carrier and transmission were lost. This was shortly after 1900. (15-Jul/Clemiston-RSA/DSWCI DX-Window/Krone-DEN)

**URUGUAY R. Montecarlo/Oriental** sked now: **R. Oriental** on 11735, 1030-2330; **R. Montecarlo** on 9595, 2330-0300 (of the following day). **R. Oriental** will carry soccer match transmissions for "Supercopa" and "Copa Mercosur" tournaments on 11735 and, therefore, this will make its s/off time variable. The 6140 outlet is not being used for now. (16-Jul/Nigro-URU)

The two shortwave frequencies (6055 and 6155) that were put in a public convocation for future exploitation last February will be assigned in the Uruguayan countryside, according to a news item in the Uruguayan newspaper "El Observador" in Montevideo, published Jun 27.

The article interviews Mr. Ernesto Dehl, who is Chief of the Direccion Nacional de Comunicaciones. Re. to SW, Mr. Dehl revealed that previous to this public notice, the DNC carried a survey among the Uruguayan broadcasters in the whole country in order to determine their degree of interest in HF broadcasting. The reply from the broadcasters showed a scarce interest in this kind of frequencies and consequently DNC just called for only two SW new channels in order to be assigned.

Mr. Dehl added that, in general, there were received a mean of three applicants for each frequency to be adjudicated (in total more than a hundred applicants). The prerequisites for applying for a new station frequency were simple, Dehl said adding that each bid had a differential value ranging \$4,000 to \$ 39,000 in Uruguayan money (i.e. around 400 to 3,900 U.S dollars), depending on the specific location, the different audience possibilities and the economic resources being involved.

Remaining steps to complete the definitive permit are: the analysis of the data furnished by the applicants by DNC (two month from now) and the final approval by the Ministry of National Defense and the accompanying signature of President Sanginetti (another month to be added).

When this process is finished the new station owners will have a term of twelve months to set up the station with an eventual extension of time, if good reasons are alleged, for another six months. (27-Jun/Nigro-URU)

**USA KJES** (King Jesus Eternal Saviour)

0100-0230	English	7555
1300-1400	English	11715
1400-1500	English	11715
1500-1600	Spanish	11715
1800-1900	English	15385
2000-2100	English	15385

(BBCM)

Allan Weiner's new shortwave station, **WBCQ**, plans to start testing in the 2nd or 3rd week of August. He will be using the old pirate radio frequency of 7415. (McCormick/Kiwi Radio Weekly/Hauser-OK)

[The following posting from one of the station's principals should give you an indication of the high-quality programming you might expect to hear via WBCQ:]

**WE ARE COMING!!** Posted by Dr. Scott R. Becker on July 10, 1998 at 04:44:26:

*Is it something or what??!! We will be testing on your Favorite Old Time PIRATE Freq. of...7415 2nd or 3rd week of August...CALL me for air time...316-825-4209*

*JL will be back, Randi, from the Sarah will be back, Looks like we have Gary from Friday Night Live, We have a bunch of stuff coming your way...*

*WWCR, George...WATCH OUT!!!!*

*50,000 Thousand Watts of Prof. Allan H Weiner and Dr. Scott R. Becker on "WBCQ The PLANET"*

*Space is filling FAST...*

*Glen...You will NEVER EVER get ONE SECOND of air time for free from us EVER!!!! (sorry pal...you did it to yourself)*

*YES...we WILL be on the air...and YES...pirate ops...CALL ME...for Special rates...We DO remember where we came from...Allan and I DO NOT FORGET our roots...FIGHT FOR FREE RADIO...FFFR...Yours in radio, Doc, 316-825-4209, WBCQ "The PLANET" WBCQ The PLANET Web Site Coming Soon!! (found online by Hauser-OK)*

[Nice to see that Weiner and Becker have matured gracefully since their puerile attempts at "broadcasting" over the years.-AQ]

**WJCR** Upton, KY

0000-0000	English	7490
0000-0000	EE/Chinese	13595

(BBCM)

**WWCR**

0000-0100	English-1	9475
0000-0200	English-2	13845
0000-0500	English-4	7435
0000-1300	English-3	5070
0100-0400	English-1	3215
0200-1200	English-2	5935
0400-1000	English-1	3210
0500-1100	English-4	2390
1000-1100	English-1	15685 Sa/Su
1100-1300	English-4	7435
1100-2200	English-1	15685 Mo-Fr
1200-0000	English-2	13845
1300-2200	English-3	12160
1300-2200	English-4	9475
2200-0000	English-1	9475
2200-0000	English-3	5070
2200-0000	English-4	7435

English-2 is Dr. Gene Scott/University Network;  
English-4 is Brother Stair/Overcomer Ministry  
(BBCM)

**UZBEKISTAN TWR** via Tashkent noted on new 9430 \*0000 to Asia (27-Jun/Padula-AUS/EDXP)

**BBC** via Tashkent is using 17675 (ex 17655) at 0800-0810 Bengali, 0810-0820 Hindi, 0820-0830 Urdu. (4-Jul/das Gupta-IND/EDXP/Padula-AUS)

**VIETNAM 5598.3 Lao Cai**, 1215-1229\*, Vn dialects, anns in between the hill tribe mx, at 1228 ID by W and s-off.

6537.9 **Yen Bai**, 1230-1240,—moved here x6548—Vn, at 1232 clear ID by M, native mx, stringed instruments, singer group, 1237 ID, song over VTN. (21-Jun/Schulze-PHL/DSWCI DX-Window/Krone-DEN)

4740 **Son La** still regular at 0300-0500 and 1200-1400, but nothing heard local early mornings.

6386 noted 6-9 Jul at 2330-2400, but Hanoi relay 0930-1000 not noted for a week or so. Schedule appears to be 2330-2400, 0415/0445v-0600, irr 0930-1000, 1000-1030, 1140/1145v-1245/1300v. Poor audio.

6396v Very irregular, but a bit better since about 6 Jul, when noted at 0149-0200 on 6397.8 with trad mx and frequent transmitter breaks, possibly a test? Next heard with weak sig on 8 Jul on approx 6397.3 at 1000-1130 with het from presumed Pyongyang-KRE on usb after about 1115, and again at same times on 9, 10 and 11 Jul and also 12 Jul at \*0430-0455\*. Poor audio, but I think it's a VTN station.

6538 (?**Cao Bang**) pretty regular 1200-1400, occasionally also noted 0300-0500, but no early morning transmission noted.

6696v (**Lao Cai**) one of the strongest, but freq and times seem to vary. Heard early morning 9 Jul 2230-2300 on approx 6695.1, and 10 Jul 2330-2330 also around 6695, also 12 Jul at \*0501-0600 on approx 6693.7. Sched appears to be 2230-2300 or 2330-2400 (latter maybe weekends only?), 0400-0600, 1000-1030, 1030-1200 irregular, 1200-1230. Relays Hanoi at 0500-0530 and 1100-1130. Poor audio.

7154.1 The most regular and reliable of the lot, schedule seems to be \*2335-0130, 0300-0600, 0900-1420, most of which is relayed from Hanoi. Audio OK but rather low level. (12-Jul/Davies-THA/WWDXC TopNews/Bueschel-FRG)

**YUGOSLAVIA R. Yugoslavia** noted on new 9680 with Spanish \*2200, unheard on listed 9620 9720, Jun 27. Noted on usual 11870 and 9580, beginning Serbian 0030 (1-Jul/Padula-AUS/EDXP)

**ZAMBIA 6065 Radio Christian Voice**, Lusaka, 0445-0502, in the clear after WYFR 0445\* at fairly good level initially with inspirational singing. Fading down w/increasing adjacent channel QRM by 0500 ID/freq anmt by man, station theme, then into talk pgm. (18-Jul/Clark-ONT)

**UNIDENTIFIED 5973 UNID station**—times rather irregular but seems to put in at least one and sometimes two appearances each night, usually in the 1100-1215 and 1430-1530 periods. Language probably Burmese, audio OK but rather low level, especially during music segments. Program generally consists of long periods of speech by M announcer (always seems to be the same actual individual) and SE Asian folk & pop mx in local lang (?Burmese) generally played back to back with no announcements. Once noted with long patriotic-sounding song after sign-on with apparent mention of Myanmar, also noted 1116 on 6 Jul with version of Beatles' 'All My Loving' sung in local lang by W vocalist. I occasionally think I can hear mention of Burmese towns inc Lashio and Taunggyi, but could be mistaken. First noted 1 Jul, other appearances inc 4 Jul \*1124-1130\*, 1432-1530; 5 Jul \*1114-1125\* (off by 1145), 1455-1505\* (off by 1512), 6 Jul \*1135-1150\*, 7 Jul \*1240-1250\* (off by 1330), 11 Jul \*1055-1120\*. Another recruit to the "Let's Inflict Annoying Whine on the BBC" club when it stays on after 1500, the victim being 5975 En to SoAS, het also often noted earlier with R. Korea 5975. Must say I have no idea what this is—a Myanmar regional, or a clandestine? (12-Jul/Davies-THA/WWDXC TopNews/Bueschel-FRG)

7114.75 decent carrier (S9), near-total absence of modulation (traces of M tik now and then), 0522-past 0540 on a decent 40m African night. (16-Jul/Quaglieri-NC)

15396.7 wobbly carrier noted around 1435, way too much adjacent QRM to hang around investigating. Who's here? (14-Jul/Quaglieri-NC)

**BROTHER STAIR** Brother Stair via Jülich (Germany): Obviously has discontinued or reduced his morning service via Deutsche Telekom, on repeated checks around 0450 there was no Jülich transmitter on 75m anymore (only BBC-Skelton 3955, Jaszbereny-3975 and Wertachtal-3995). (9-Jul/Ludwig-FRG/EDXP/Padula-AUS) [Reduced. According to Zanotti-SUI/Hauser, Stair is still using 3965 evenings.—AQ]

# Pirate Radio Report

Chris Lobdell

P.O. Box 146

Stoneham, MA 02180-0146

Internet: clobdell@mediaone.net

## The Radio Ship Electra-The Final Chapter?

It was just about two years ago that I saw a press release on the internet from Scott Becker's "LIGHTWAVE MISSION BROADCASTING" touting their newest radio ship project. I called Scott Becker and he was all excited about this new adventure in offshore radio. The ship would pay promotional visits to various eastern coastal cities. The public would be welcomed on board to share a veggie burger with the crew, etc. Also, various promotional items would be offered for sale, such as T-shirts, key rings, bags, etc. to help raise money.

Not much happened the rest of 1996. I understood from Scott Becker's technical assistant, the infamous Allan Weiner that the tug boat was in an East Coast port being readied for it's journey to the Caribbean. Weiner would not disclose it's location.

Then, in August of 1997, both Allan Weiner and Scott Becker were guests on Boston radio station WRKO. Weiner was promoting his new book. At that time, they disclosed the *Electra* was moored at a shipyard in East Boston where Allan was installing the radio equipment and the diesel engines were being repaired. Weiner also appeared on Howard Stern's radio and TV shows along with Randi Steele, the ex-Radio Newyork International DJ who recently underwent a sex change operation.

The *Electra* remained moored in Boston throughout the winter of 1997-1998 waiting for more funds to come from the religious group and a pilot to take her down to the Caribbean.

The *Electra* left Boston sometime in March of this year for Georgia for final preparations before going to the West Indies.

Then, in July I received an AD copy from NASWA member Doug Robertson of Oxnard, CA, which said that the MV *Electra* was in the possession of the US Marshall in Savannah, George and that the ship was going to auction on July 15<sup>th</sup>, "free and clear of all liens and encumbrances"! The tug was auctioned for about \$35,000.

What happened? Well Anita McCormick, the author of Weiner's book, said that the ship "ran" into another vessel on the way down to GA and there were some lawsuits involved. Also, the preacher financing the ship ran out of money.

So, I guess we can put this one to a close or can we? What if *Dr. Tornado* was the highest bidder at the auction?

## Loggings

Not much time for logs this month. New member Patrick Van Loo heard several stations including *Indira Calling* on July 4<sup>th</sup> at 1710 with "Beach Party 98" programming. Other station heard by Pat on the 4<sup>th</sup> of July were *WUNH* at 1740 UTC and *Caribbean Sound System* at 1930 UTC. All on 6955 kHz, of course.

Send in those logs for next month and don't forget to vote in our pirate poll. What are your three favorite currently active pirate stations?

Happy Pirate DX!

-Chris



# QSL Report

Sam Barto  
47 Prospect Place  
Bristol, CT 06010



**ALBANIA:** Radio Tirana 7160 f/d "Folk Costume cd. in 57 ds. w/ schedule. v/s Pandi Ska-ka, Producer. Schedule rcvd.(Humenyk).  
**ASCENSION ISLAND:** BBC 17830 f/d ltr. w/ info package in 84 ds. v/s Nicola Nicholls, Transmitter Engineer.(Humenyk-ONT)  
**ASIATIC RUSSIA:** Radio France International 9830 via Vladivostok f/d cd. in 147 ds. for 1 IRC.(Neal-TX).  
**AUSTRALIA:** Radio Australia 17795 via Shepparton f/d "Transmitter Towers" cd. in 82 ds. w/ sticker and schedule. v/s John Wright.(Humenyk).  
**AUSTRIA:** Radio Austria International 13730 via Moosbrunn f/d ltr. in 23 ds.(Humenyk).  
**BONAIRE:** Radio Netherlands 17605 f/d cd. in 15 ds. w/ schedule for \$1.00.(Clapper).  
**BOTSWANA:** VOA 6035 and 7415 via Selebi-Phikwe f/d "Georgia - The Golden Isles" and "The Grand Canyon" cds. in 60 ds. w/ stickers.(Humenyk-ONT).

**BULGARIA:** Radio Bulgaria 9700 f/d "Grand Hotel in Sofia"

cd. in 72 ds. w/ schedule. (Humenyk-ONT).  
**CANADA:** Radio Japan 6120 f/d cd. w/ schedule, brochures, pennants in 35 ds. for \$2.00 (returned). v/s Y. Fushimi.(Clapper-NY).  
**CLANDESTINE:** Voice of Sudan 7999.5 f/d "Certificate of Reception" in 3 wks. for \$2.00 v/s Abdulhi F. Elmahdi. Rcvd. lots of info on the station and their organization.  
**COSTA RICA:** Radio For Peace International 7385 and 6980 f/d "10th Anniversary Globe w/ Logo" cd. in 114 ds. w/ schedule and brochures. v/s James L. Latham, Station Manager (Humenyk).  
**CUBA:** Radio Rebelde 5025 p/d "Hearts w/ Headphones" cd. in 67 ds. w/ iron-on T-shirt decal. (Humenyk-ONT).  
**CYPRUS:** BBC 9410 f/d ltr. in 15 ds. for 1 IRC. v/s Michelle Franks-Merlin Communications.(Neal-TX).



**CZECH REPUBLIC:** Radio Prague 11600 via Litomysl f/d "Aero 50 - Historical Car" cd. in 18 ds. w/ sticker, schedule and bookmarker. (Humenyk-ONT).

**ECUADOR:** HCJB 12015, 15115 & 17735 f/d "Great Blue Heron" cd. in 28 ds. w/ rpt. forms and schedule. v/s John E. Beck, Station Manager.(Humenyk). \*EDXC via HCJB 9745 f/d ltr. in 39 ds. v/s Risto Vahakainu, Secretary General.(Humenyk). f/d "Australian Stamp Yellow Bellied Glider" cd. in 26 ds. v/s



**CP. 177**  
**RADIO NACIONAL**  
**LA VOZ SINDICALISTA DEL MINERO**  
**BOLIVIANO**



\* Bob Padula. (Humenyk). Radio Centro 3290 n/d ltr. w/ station brochure in 3 mo. for a SP rpt. and \$1.00. v/s Luis A. Gamboa T., Gerente. (Myers-VA).

ENGLAND: Merlin Network 1 13690  
 \* f/d ltr. in 10 ds. v/s Michelle Francis. (Borowski-NY).

NOTES FROM PARADISE: Don Hosmer sent a very informative letter. Yes, he did purchase an antenna farm. He has 40 acres inside of a 400 acre wooded tract with 6 beverage antennas. It comes complete with a swamp and a cabin. Very electrically quiet and he can control the use of microwave and other ORM devices. Its only 2½ hours from my home in Dearborn, MI. My only problem is that the deer are constantly tearing down my antennas with their antlers. They are quite horny (the antlers!). What a way to DX...sex starved deer running all around the cabin.....Sam.

Radio Japan 6180 via Skelton f/d "Jizo Statues and Wisteria" cd. in 37 ds. w/ postcard, schedule and sticker. v/s Y. Fushimi. (Humenyk).

EQUATORIAL GUINEA: Radio Nacional 6250 f/d cd. in 2 mo. after a f/up rpt. in SP w/ \$1.00. (Myers-VA).

EUROPIRATE: Britains Better M.S. 6955 f/d\*

\* "Pam and Gary's DXpedition" cd. in 44 ds. w/ ltr. and a history of the BBMS. v/s Pam and Gary Stevens. (Humenyk)

EUROPEAN RUSSIA: Voice of Russia 11675 via Krasnodar f/d "Two Ships on the Lake" cd. in 70 ds. (Humenyk).

12060 f/d cd. in 23 ds. for an E-mail rpt. (Neal) 17 SEP. 1996

FINLAND: Radio Finland 11900 f/d ltr. w/ decals in 38 ds. for \$1.00. My rpt. was sent to the Pori site. (Borowski-NY).

FRANCE: Radio France International 15155 via Issoudun f/d "Toucan - Antenna Tower in Montsinery" cd. w/ schedule in 212 ds. (Humenyk-ONT).

GERMANY: Deutsche Welle 6045 via Wertachtal f/d "Cologne Cathedral Churches" cd. in 71 ds. (Humenyk). Radio Liberty 7220 via Holzkirchen f/d ltr. in 56 ds. for an E-mail rpt. (Neal-TX).

IRAN: Voice of the Islamic Republic of Iran 9685 rcvd. large package of materials including schedule, stamps, magazines, etc...everything but a QSL! (Borowski-NY). 9022 f/d "Tile Work in Masjid-e Shaikh Mosque" cd. in 68 ds. w/ schedule and other info. (Humenyk-ONT).

ISRAEL: Kol Israel 9365 f/d blue "Logo" cd. in 130 ds. w/ sked. (Humenyk). 11585 same

*Le Directeur Général Adjoint chargé de l'Équipement et de la Maintenance Radio et Télévision*  
 Monsieur MAHENDRA VAGHJEE  
 5 MCIRVINE STREET  
 BEAU BASSIN  
 MAURITIUS  
 INDIAN OCEAN

Monsieur,

Nous vous remercions de votre rapport de réception du 20 Mai 1996, sur la fréquence de 7.270 Kiloherتز, dans la bande des 60 mètres de 15.35 - 15.99 U.T.C.

Les détails que vous avez donnés sur notre station sont exacts.

En vous souhaitant bonne réception de la présente lettre je vous prie d'agréer, Monsieur, nos salutations distinguées.



**VERIFICATION CARD**

*Thank you  
for your reply!  
Stay tuned with  
the Truth!!!*



**Radio Aum Shnrikyo**  
381-1 Hikoan, Fujinomiya,  
Shizuoka 418-01 Japan



To: Ron Howard  
Date: 7/29/92  
English program (UTC)  
04:30~05:00 & 20:30~21:00  
Frequency: 15485

in 75 ds. w/ schedule.  
(Humenyk). 17545 f/d  
cd. in 79 ds.(Humenyk).  
15640 f/d cd. w/ sked.  
in 58 ds.(Humenyk-ONT).  
9435 f/d cd. in 128 ds.  
(Borowski-NY).

**ITALY: RAI** 9675 f/d "Ear-  
lico Reycend Painting"  
in 83 ds. w/ magazine  
and calendar.(Humenyk).

**JAPAN: Radio Japan** 9535  
via Yamata f/d "Kite  
Flying" cd. in 38 ds.  
w/ schedule and other  
station info.(Humenyk).

**KOREA, REPUBLIC OF: Radio  
Korea International**  
9870 and 15575 via Kim-  
je f/d "Mok-Woo-Jon" cd.  
(Humenyk-ONT).


in 51 ds. w/ schedule and station newsletter.  
**LITHUANIA: Radio Vilnius** 9855 f/d cd. in 42 ds. for \$1.00.(Clapper).  
**MALAGASY REPUBLIC: Radio Nederland** 9860 f/d cd. in 5 wks. after a f/  
up rpt and \$1.00.(Myers-VA).

**MONGOLIA: Voice of Mongolia** cd. , postcard, stickers and stamps w/

schedule in 6 wks.  
for \$2.00.(Clark-ONT)  
**NEWFOUNDLAND: CKZN** 6160  
f/d "Map of Labrador  
and Newfoundland" in  
512 ds. w/ sticker.  
v/s Shawn Williams.  
(Humenyk). same in  
278 ds. w/ f/d form  
ltr. and sticker.(Wil-  
kins-MO).

**NORWAY: Radio Norway In-  
ternational** 13800 via  
Kvitsoy f/d "Rose  
Painting" cd. in 25  
ds. w/ schedule.(Hu-  
menyk-ONT).

**PHILIPPINES: FEBC Radio  
International** f/d cd.  
w/ personal ltr. and  
schedule in 2 mo. This

 DIRECTORATE GENERAL  
ALL INDIA POSTS AND TELEGRAPHS  
A V Bhawan, Sansad Marg, NEW DELHI  
New Delhi-110001 INDIA

O.I.G.S.



No. 2/178 JEIII /126 (Dated 3-4-98)

Dear Sir/Madam,

We gratefully acknowledge and confirm  
your Reception Report

Date 3-1-97 Frequency 3315 kHz

Time 05-45 Station BHPAL  
UTC

Yours faithfully

Director (Freq. Assignments)  
A V BHAWAN, SANSAD MARG,  
NEW DELHI-110001 INDIA

All India Radio  
New Delhi

MR. JOHN L. SGRULLETTA

337. BULLET HOLE ROAD.

MANHATTAN, NEW YORK 10541-2465

UNITED STATES OF AMERICA

is my first rpt. to the Column. I use a Drake SW8 and a Sangen 803 A  
w/ a 40 foot random wire. (Clark-ONT)....Keep reporting...Sam.

**ROMANIA: Radio Romania International** 7195 and 9570 f/d "Transylvania  
Costumes" cd. in 74 ds. w/ schedule and personal ltr.(Humenyk).  
9570 f/d "Landscape" cd. in 81 ds. w/ schedule.(Humenyk). 15390 cd.  
in 73 ds. w/ stickers and a schedule. v/s F. Dochinov.(Humenyk).

**RWANDA: Deutsche Welle** 11785 f/d cd. in 120 ds.(Humenyk).

**SABAH: Radio Television Malaysia - Kota Kinabalu** 4970 f/d prepared cd.  
\* in 21 wks. for a registered f/up rpt. and a taped rpt. v/s Mrs.

**SPECIAL OFFER:** Our customers have spoken. The  
enclosure of used postage stamps as a form  
of gift with your reception reports seems  
to be working. For 1998 we are now offering  
the following:

\$10.00 will bring you  
1300 foreign stamps;  
\$15.00 will net you a  
total of 2300 stamps.  
With either order you  
will receive an addi-

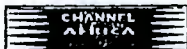
Angrick  
Saguman.  
Tnx to John  
Sgrulletta  
for the in-  
formation on  
the v/s.  
(Maroti-NY)



ditional 600 stamps (US). That's 1900 total for only  
\$10.00 or 2900 for only \$15.00. You will not be  
disappointed. Please try to  
include an extra \$3.00 for over-  
night USPO delivery. Mail your  
order to your NASWA QSL Editor.







Thank you for your report on the reception of our transmission from the MEYERTON short wave station

MAHENDRRA VAGHJEE  
5 Mc IRVINE STREET  
BEAU BASSIN  
MAURITIUS

DATE: 20/08/96

TIME: UTC/GMT 15:00-19:40

FREQUENCY: 7155 KHZ

f/d "Altdorf - William Tell Monument" cd. in 25 ds. (Humenyk-ONT).  
**SLOVAKIA: Radio Slovakia International** 5930 and 7300 f/d "Castle" cd. in 38 ds. (Humenyk). **Adventist World Radio** 13680 via **Rimavska Sobota** f/d "Flowers" cd. in 22 ds. w/ calendar, rpt. form and a ltr. (Humenyk-ONT).  
**SPAIN: Radio Liberty** 9520 via **Playa de Pals** f/d ltr. in 44 ds. v/s Dave Walcutt. (Humenyk-ONT).  
**SWEDEN: Radio Sveden International** 9495 via **Horby** f/d "Halsning Fran Dalarna" cd. w/ schedule in 10 ds. (Humenyk).  
**SWITZERLAND: Swiss Radio International** 9840 via **Sottens** f/d "Schaffhausen - The Munot Tower" cd. in 34 ds. (Humenyk-ONT).  
**SYRIA: Radio Damascus** 9950, 12085 and 13610 f/d "Globe w/ Tower" cd. in 387 ds. w/ sticker, schedule and newspaper. (Humenyk). 12085 f/d cd. in 88 ds. for 1 IRC. Sticker and schedule rcvd. (Neal-TX).  
**UKRAINE: Radio Ukraine International** 13590 via **Kiev** f/d



**WORLD SERVICE**

# «Festival Folclórico»

Homenaje a Radio Bermejo

RADIO DEPORTES  
LINEA ABIERTA  
ACT. CAMPESINA

BJO- EN LA NOTICIA  
LA VOZ DE LA IGLESIA  
ADUT BOLIVIANIBIMA  
CAMIÑENOS JUNTOS



1993

Organiza:  
RADIO  
BERMEJO

Auspician:  
H. ALCALDIA  
PARROQUIA

**VERIFICATION SIGNERS: Colmundo**

6064.5 Jorge Eliecer Hernandez, Gerente Nacional de Programacion and Marcela Aristizabal, President. Addr: Diagonal 58n., 26A-29, Santa Fe de Bogota.  
**Radio Cultura de Sao Paulo** 9615 Valvenio Martins, Coordinador de Producao. **Radio Marumby** 9665 Jair Albano, Director.  
**Radio Voice of Sharia** 7200 A. Rahaman Nasser, Engineering Dept. Addr: President of Planning and Foreign Relations, Afghan Radio TV, P.O. Box 544, Kabul, Afghanistan. **Radio Horizonte** 4505 Addr: Jiron Incanato No. 387, Altos, Distrito Jose Leonardo Ortiz, Chiclayo, Departamento de Lambayeque, Peru.....via PLAY DX.....Sam.

"Tea Kettle and Cream Holder in Brass" cd. w/ schedule in 24 ds. (Humenyk).

**USA: WENW** 5825 f/d "Towers" cd. in 27 ds. w/ sticker, business cd., schedule and other info. v/s Joseph A. Dentici. (Humenyk). **WYFR** 11830 f/d cd. in 35 ds. w/ sticker. (Humenyk). **WJCR** 7490 f/d "White



RADIO



ONDAS DEL HUALLAGA

via Rich D'Angelo



EN SU NUEVA DIMENSION  
AL SERVICIO DEL DEPARTAMENTO  
**HUANUCO**  
**PERU**

Cross w/ Logo" cd. in 23 ds. w/ schedule, ltr. and station info. (Humenyk). WHRI 15105 f/d cd. w/ schedule in 80 ds. v/s Loren Holycross.(Humenyk).

USA (Pirates): K-2000 6955 f/d "The Loose Cannon" cd. in 1 mo. (Humenyk). WLIQ 6955 f/d sheet in 69 ds. for 3 ms. 100 watts. (Wilkins-MO).

UZBEKISTAN: Radio Nederland 12090 via Tashkent f/d "The Nineties" cd. in 15 ds.(Humenyk-ONT).

VANUATU: Radio Vanuatu 3945 f/d "Sliit Gong" cd. in 10 mo. for \$1.00. This was after a f/up rpt.(Maroti-NY).

VATICAN: Radio Vatican 9660 via Santa Maria Di Galeria f/d "Saint Peters Square" cd. in

VERIFICATION SIGNERS: NHK via Moy-abi 17630 A. Hayashi, QSL Manager. Radiodiffusion Television Guineenne 15310 Seny Camara. Report in FR to D.G.R./P.T.T., B.P. 33-22, Conakry. All India Radio - Gorakhpur 3945 A.K. Bh-atnagar, Director of Frequency

Assignments in New Delhi. Addr: Al-vane-Shahi, Municipal Garden, Gorakhpur

273001. Kivi Radio 3985 P.O. Box 3103, Napier,

New Zealand. Shortwave Relay Service 7480 Addr: P.O. Box 220342, DE-42373 Wuppertal, Germany. Radio Internazionale 7500 Dario Monferini.

Radio 510 International 3955 Addr: P.O. Box 510, CH-4010 Basel, Switzerland. FRCN Kaduna 6050 Nike Adegoke, Executive Director. Addr: Broadcasting House, PMB 5003, Ibadan...via PLAY DX.....Sam.

84 ds. w/ schedule and station info.(Humenyk-ONT).

VIETNAM: Voice of Vietnam 7250 f/d "World Map" cd. in 68 ds. w/ bumper sticker.(Bueneman-MO).

QSL Column reporter Borowski from NY says that his OSL from Iran stated that they have a series of 10 different QSL cds. After 10 rpts. you get cd. #2. At 200 rpts. you get cd. #10! You can also earn 5 degrees with up to 500 rpts!!! After that you get a Certificate of Membership to the IRIB DX Club...Thats about \$300.00 in postage from the US. If anyone earns a membership they were probably stranded in the desert w/ a camel for a very prolonged period....Sam. See you next month.

**ORF** +

**RADIO ÖSTERREICH INTERNATIONAL**

A-1030 Wien Währerbasse 30. Tel.: +43/1/87878-3636 Fax: +43/1/87878-4404

DVR: 0066915 ROI

QSL-Verification

We confirm your reception report!

Henry Weisborn  
11214 Cliffwood  
USA- Houston, TX 77035-6010  
USA

Date: 23.12.1996  
Time: 0528 - 0557 UTC  
Frequency: 6015 kHz  
QTH: Sackville, Canada

Vienna, 10.01.1997  
bo

Dear Listener!

Many thanks for your seasonal greetings.

We too would like to wish you a Happy New Year.

Please feel free to comment or criticize or provide suggestions about our programming. These informations are very helpful in making sure we meet listeners needs and interests.

Referring to your request please note that the music is available on CD Sony LC 6968.

We hope to hear from you again soon and remain

# Net Notes

Tom Sundstrom  
P.O. Box 2275  
Vincentown, NJ 08088-2275  
Fax: 609-859-3226  
Internet: trs@trsc.com  
http://www.trsc.com

vTuner<sup>1</sup> is a new front end software product for Windows 95/98 to facilitate listening to stations around the world. The Web site carries an updated file of stations that can be downloaded upon request. I met the people behind the company at a trade show in New York City. The software is free. When I asked how they intended to make any money off the product, the answer was selling ads that appear in a small window. We don't find the ads objectionable. Take a look for yourself.

The Sri Lanka Broadcasting Corporation has an unofficial Web site with some details of the operations.<sup>2</sup>

Those of you who attended the last Winter SWL Festival saw Andy Yoder's new magazine called "Hobby Broadcasting". Subscription information and other details are now on the Web.<sup>3</sup>

Via Lou Josephs, a contributor to Media Network: "Weiner shortwave.

Former pirate and all round good guy Al Weiner will be back on the air soon, legally we think, with a new shortwave station broadcasting from the US on 7415 kHz. WCBQ starts testing in the 2nd or 3rd week of August. Weiner was the man behind the US offshore station Radio New York International, and is best known on this side of the Atlantic as the engineer who moved Caroline's transmissions from 576 to 558 KHz the day after Laser sailed into port in 1985." WCBQ is located in up-state Maine, just a few miles from the Canadian border. On July 16, Media Network reported the new, not yet active, URL.<sup>4</sup>

In the graph below, we changed it to a moving average of the solar flux. Dates range from July 1, 1997, to December 31, 1998. The graph clearly shows the rebound from the lows at the bottom of the solar cycle just ended.

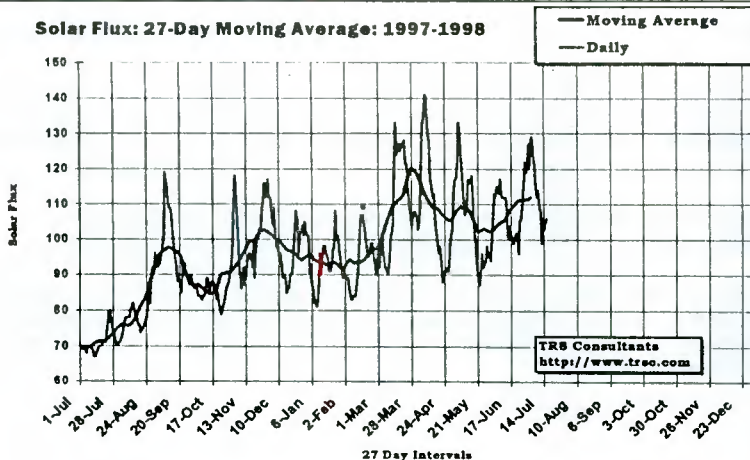
<sup>1</sup> [www.vtuner.com](http://www.vtuner.com)

<sup>4</sup> [www.wcbq.com](http://www.wcbq.com)

<sup>2</sup> [www.infolanka.com/people/sisira/sibc.html](http://www.infolanka.com/people/sisira/sibc.html)

<sup>3</sup> [www.frn.net/rfi/](http://www.frn.net/rfi/)

Solar Flux: 27-Day Moving Average: 1997-1998



# Contributors' Page

**Fred S. Kohlbrenner**  
2641 S. Shields St.  
Philadelphia, PA 19142  
Internet: [fkohl@ix.netcom.com](mailto:fkohl@ix.netcom.com)

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

The following members sent in contributions:

Brian ALEXANDER, Mechanicsburg, PA	R8B AOR AR-7030 100' LW
Jerry BERG, Lexington, MA	R8 165' LW
Eric BUENEMAN, Hazelwood, MO	ATS-803A MFJ-1778 G5RV antenna
Richard CLAPPER, Au Sable Forks, NY	
Jim CLAR, Rochester, NY	R8 Sony 2010 Eavesdropper LW
Peter COSTELLO, Matawan, NJ	AR3030 DX-390 YB400 70' LW Tun-4A
Bill FLYNN, Cave Junction, OR	R8 R7A DX-Ultra inverted V
Garie HALSTEAD, St. Alban's, WV	Yaesu FT-900 vertical antenna
Mark HUMENYK, Weston ONTARIO	Magnavox D-2935 AN-60 DX-SWL Sloper
Jim KERSHNER, Honolulu, HI	Icom 8500 80' LW
David KRAUSE, Eastlake, OH	Kenwood R600
Jerry LINEBACK, Scranton, KS	R7A beverage antennas
William McGUIRE, Cheverly, MD	DX-380
Jim MOATS, Ravenna, OH	DX-440 48' indoor LW
Bob MONTGOMERY, Levittown, PA	R388 DX Pro active antenna
Ed NEWBURY, Kimball, NE	WJ-1000 R8 60'Sloper 20' loop
Jay NOVELLO, Wake Forrest, NC	R8A LW's
Takayuki Inoue NOZAKI, Tokyo, JAPAN	
Sheryl PASZKIEWICZ, Manitowoc, WI	R8 NRD-525 60' LW Eavesdropper
Chuck RIPPEL, Cornland, VA	WJ-HF1000A R8B R390A/SE-3 51S-1 LW's
Betsy ROBINSON, Clinton, TN	Sony 2010 Indoor antenna
David ROSS, Hamilton, ONT	R8B 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
Fred TRESCHER, Philadelphia, PA	Sony 2010 FRG-7700
Patrick VAN LOO, Washington, DC	R8B FRG-100 DX-390 Delta Loop Dipole
Terry WOLF, Bellville, OH	Sony 2010 LW
Dan ZIOLKOWSKI, Hanburg, NY	R8 Sloper SPS NRF-7 SEM QRM Eliminator

I hope everyone is enjoying the summer. Thanks to our regular members who take the time each month to contribute to the Journal, and also to our new members who have been contributing over the past few months. Just a reminder to our e-mail contributor's that you should now be sending your log contributions directly to the two editors. Their addresses are:

Tropical Band logs (2000-5900) to Sheryl Paszkiewicz at: [spaszkie@msn.com](mailto:spaszkie@msn.com)  
International Band logs (5901-30000) to Wallace Treibel at: [nwhikers@gte.net](mailto:nwhikers@gte.net)

From Andreas Schmid in Germany comes word that his "Pennant Museum Book" is now available. It is a complete listing of the almost two thousand pennants in his collection and is fully illustrated. For further information and send one IRC to: Andreas Schmid, P.O. Box 61, D-97715, Euerdorf, Germany



# Tropical Band Loggings

Sheryl Paszkiewicz

P.O. Box 152

Manitowoc, WI 54221-0152

spaszkie@msn.com

- 3220 ECUADOR *HCJB* 7/8 1045 Andean mx, lang tlk, noisy (Ziol-NY)  
 3220 NEW GUINEA *R Morobe* mixing w/HCJB 6/27 at 1050 (Line-KS)  
 3235 NEW BRITAIN *RWNB* 6/16 1113 PD ment USA (Line-KS)  
 3260 NEW GUINEA *R Madang* 6/16 1112 mx, exc (Line-KS)  
 3265 SULAWESI *RRI Gorontalo* 6/16 1111 IN tlk (Line-KS)  
 3279.5 ECUADOR *LV del Napo* 6/19 1015 Quechua tlk (Line-KS)  
 3290 ECUADOR *R Centro* 6/19 1014 tlk, fair (Line-KS)  
 3306 ZIMBABWE *ZBC* 6/21 2032 Afr pops, lang tlk (Serr-IT)  
 3315 ADM ISL *R Manus* 6/16 1100 bird call, drums, nx (Line-KS)  
 3335 NEW GUINEA *R E Sepik* 6/16 1102 nx, good (Line-KS)  
 3344.9 MOLUCCAS *RRI Ternate* 6/20 1307 Jak nx, ID & freq anmt (TIN-JP) 6/16 1103 RRI nx (Line-KS)  
 3355 NEW GUINEA *R Simbu* 6/16 1106 rapid tlk, mx (Line-KS)  
 3355.3 SUMATRA *RRI Jambi* 6/20 1258 ID, SCI, nx (TIN-JP)  
 3365 NEW GUINEA *R Milne Bay* 6/16 1108 tlk (Line-KS)  
 3366 GHANA *GBC-2* 6/21 2046 EG tlk, ment football, poor (Serr-IT)  
 3380 MALAWI *MBC* 6/21 2020 song, tlk, chant, poor (Serr-IT)  
 3385 NEW BRITAIN *RENB* 6/16 1109 tlk under ute (Line-KS)  
 3385 SUNDAS *RRI Kupang* 6/20 1306 Jakarta nx relay (TIN-JP)  
 3395.1 SUMATRA *RRI Tanjungkarang* 6/13 1510 IN tlk (TIN-JP)  
 4000.2 SULAWESI *RRI Kendari* 6/13 1523 wayang kulit (TIN-JP)  
 4060 CLAND *Vo Peop Kurdistan* 6/1 1941 tlk, ID, chant (Serr-IT)  
 4085 CLAND *Vo Iraqi Kurd* 6/3 1928\* AR/KD nx, ment Kurdistan (Serr-IT)  
 4599.3 BOLIVIA *R Emis Villamontes* 6/20 1041 pgm Amanacer Chaqueno (TIN)  
 4748.2 PERU *R Huanta 2000* 6/7 1048 tlk & mx, poor (Line-KS)  
 4755 BRAZIL *R Educ Rural* 7/8 0900 ID, ment Brazil (Ziol-NY) 7/5 1017 musica sertaneja (TIN-JP)  
 4765 BRAZIL *R Rural* 6/23 0853 tlk over mx, ad, ment Santarem (Ziol)  
 4777.1 JAVA *RRI Jakarta* 6/13 1528 IN tlk (TIN-JP)  
 4779.7 ECUADOR *R Oriental* 6/7 1050 tlk, anmts, mx (Line-KS)  
 4790 PERU *R Atlantida* 6/9 1000 tlk, mx, ment Santa Maria (Robi-TN)  
 4819.2 HONDURAS *LV Evangelica* 6/27 1035 Campina del Senor pgm (TIN-JP)  
 4824.4 PERU *LV de la Selva* 6/7 1020 comunicados, ID (TIN-JP)  
 4826.2 PERU *R Sicuani* 6/15 0930 huaynos, anmts, poor (Ziol-NY)  
 4835 AUSTRALIA *VL8A* 6/12 2200 EG tlk, mx, ad (Hill-MA)  
 4835 GUATEMALA *R Tezulutlan* 6/11 \*0100-0130\* marimba/flute (Robi-TN)  
 4845 GUATEMALA *R Kekchi* 6/7 1056 organ theme, anmts, ID (Line-KS)  
 4855 BOLIVIA *R Centenario* 7/5 1018 "La Nueva" & folk mx (TIN-JP)  
 4855.5 PERU *R La Hora* 6/13 1125 nxcast (TIN-JP)  
 4886.8 PERU *R Villa Rica* 6/6 0306\* anmts, ID, pops, NA (Alex-PA)  
 4914.4 PERU *R Cora* 6/7 1109 mx & anmts (Line-KS)  
 4926.5 BOLIVIA *R San Miguel* 6/23 0925 tlk, Andean mx, anmts (Ziol-NY)  
 4935 KENYA *KBC* 6/25 \*0155 tone, IS, TP, ID, nx (Ripp-VA)  
 4955 COLOMBIA *RN* 6/13 0030 mx by trio, ballad, ID (Robi-TN)  
 4960 DOM REP *R Cima* 7/13 0410 merengues shouted ID (Flyn-OR) 6/11 2232 merengues, ads, IDs tnx Schnitzer (Nove-NC)  
 4980 VENEZUELA *Ecos del Torbes* 4/13 0022 cmtry, good (Hume-ON)  
 4995.6 PERU *R Andina* 6/12 1000 ID, huaynos, tlk (Robi-TN)  
 5010 INDIA *AIR Thiru.* 7/8 0017 IS, ID, subcont mx (Ripp-VA)  
 5020 SOL ISL *SIBC* 6/7 1113 EG tlk, BBC cmtry (Line-KS)  
 5025 CUBA *R Rebelde* 4/13 0024 live football (Hume-ON)  
 5047 TOGO *Rdf Togolaise* 6/22 0110 on late exc w/croud noise (Ripp-VA)  
 5070 USA 6/16 0025 WWCR EG military tlk, ads //5065 (Wolf-OH)  
 5522.2 PERU *R Sudamerica* 6/22 0130 huaynos (Ripp-VA) 6/6 0232\* anmts, folk mx, ID (Alex-PA)  
 5602.7 PERU *Madre de Dios* 6/22 0140 wild long tlks, huaynos (Ripp-VA)  
 5637.2 PERU *R Peru* 6/22 0224\* long tlk, ID, NA (Ripp-VA)  
 5770 NICARAGUA *R Miskit* 7/4 0314\* Ids, pop mx (Alex-PA)



# International Band Loggings

Wallace C. Treibel  
357 N.E. 149th Street  
Seattle, WA 98155  
nwhikers@gte.net

- 6010 ITALY RAI Rome in EG 0050, ID, rpt on NATO, mention of World Cup, g (McGuire MD 6/23)  
 6020 NETHERLANDS R Nederlands Flevo in EG 2345, nx about unrest in Indonesia (Trescher PA 7/1)  
 6035 SAO TOME VOA relay in EG 2156, "News Now", cmntry re U.S. TV networks (Ross ONT 6/24)  
 6085 CANADA Deut Welle relay Sackville in EG 0301, nx re peace in N Ireland, //6185 (Humenyk ONT)  
 6090 ANGIILLA Caribbean Beacon in EG 2235, ad for buying Dr Scott's material, g (Ross ONT 6/24)  
 6115 PERU R Union Lima in SP 1035, pgm entitled "Tierra Fecunda", g (Nozaki JAPAN 6/27)  
 6135 BOLIVIA R Santa Cruz in SP 0930, drama?, jingle, "Santa Cruz presenta", f (Ziolkowski NY 6/25)  
 6155 ROMANIA RRI Bucharest in EG 0205, ID, national & regional nx, f (McGuire MD 6/16)  
 6265 ZAMBIA ZNBC in EG 0512, ID, African mx w/ancmts by YL/OM, weak but readable until fadeout  
 0521 (Montgomery PA 7/3) AR chants 0315, tlks in Langs, several ments Zambia (Rippel VA 6/27)  
 6975nf COSTA RICA RFPi in EG 0331, Glen Hauser's "Continent of Media", //15049 (Costello NJ 7/11)  
 ED: Cumbre DX (via McDonough MA) reports that move from 6980 was made in response to  
 objections to interference from the Tasmanian govt. Logging below was made before the change.  
 6980 COSTA RICA RFPi in EG 0400, "World of Radio" #947 pgm on SWL matters (Moats OH 7/4)  
 7170 SENEGAL RTV du Senegal in FR 2218, tlks, hi-life mx, ID's between songs, f-p (Clar NY 6/10)  
 7210 THAILAND R Thailand in EG 1932, tlk re nicotine & smoking effects, ID (Serra ITALY 6/18)  
 7250 RUSSIA V of Vietnam relay Armavir in EG 0100, tourism promotion, mx (Robinson TN 6/8)  
 7340 BOTSWANA VOA relay in EG 2225, "News Now", fgy sked, ID, IS, f (Ross ONT 6/16)  
 9435 ISRAEL Kol Israel Tel Aviv in EG 0407, local nx, review of press rpts, wx rpt, f (Krause OH 6/8)  
 9485 BULGARIA RB in EG 2300, mailbag, rpt on the Balkans, ID (Trescher PA 7/1, McGuire MD 6/3)  
 94898 ABKHAZIA Rep of Abkhazia in lang \*0327, piano IS, clear ID, nx?, g (Rippel VA 7/4)  
 95149 BRAZIL R Nova de Paz Curitiba in SP 1005-1015, religious tlk, f (Nozaki JAPAN 6/28)  
 9560 CANADA China R Int relay in EG 0400, rpt on 1st yr after HongKong takeover (McGuire MD 7/1)  
 9580 AUSTRALIA RA in EG 0935, ID, sports nx, cmntry of World Cup (Trescher PA, McGuire MD)  
 9580 BULGARIA R Budapest in EG 0130, rpt on Budapest stock exchange, rap mx (Robinson TN 6/10)  
 9610 TAIWAN VOFC Taipei in EG 1203, classical mx, nx headlines, tlk, QRM (Ziolkowski NY 6/13)  
 9615 IRAN VOIRI Teheran in AR 0120, several male speakers w/tlks, //6120 (Costello NJ 6/25)  
 9620 UKRAINE R Almaty Kiev relay in Kazakh/EG 1100, IS, ID, folk songs (Serra ITALY 6/12)  
 9650 GUINEA Rdf Guineenne in FR 2254, lengthy monolog over xylophone, guitar, drum & bells, no  
 ID but //7125, fair sig on 9650 but weaker on 7125 (Clar NY 6/21)  
 9650 GUAM KSDA Adv World R in JP 1325, tlk over insp mx, ID's, QTH, fgy, into EG 1331 (Clar NY)  
 9665 BRAZIL R Marumby in PT 1118, lite relig mx, canned full ID, transcribed pgm (Nozaki JP 6/13)  
 9685 IRAN VOIRI Teheran in EG 0127\*, headline nx, mx, fgy, QTH, whistle jammer (Krause OH 6/9)  
 9690 SPAIN China R Int relay in EG 0302, cmntry re Pres Clinton's visit to China (Newbury NE 6/25)  
 9730 FRENCH GUIANA China R Int relay in EG 0400, live press conf Zemin/Clinton (Newbury 6/27)  
 9765nf PORTUGAL RDP Lisbon in PT 0241, financial nx?, ID's, drums, chorus, f (Flynn OR 7/12)  
 9780 FINLAND YLE Helsinki in EG 0200, nx, taped cmntry w/voice over, //11900 (Humenyk ONT)  
 9845 NETHERLANDS ANTILLES RN relay in EG 2355, dedication of DT ship in Rotterdam  
 (McGuire)  
 9925 GERMANY Croatian R relay in CR \*2330-0042\*, nx of Montenegro&Kosovo (Robinson TN 6/12)  
 9930 HAWAII KWIIR Naalehu in EG 1305, "DX'ing with Cumbre", sked, SWL ad, f-g (Clar NY 6/21)  
 9945 CHINA CRI Xi'an in EG 1210, nx re China, ID, Asian & Pacific nx, //11675, 11980 (Clar 6/20)  
 11600 SEYCHELLES FEBA Radio in EG 1519, interview re YL's relig life experiences, mx pause,  
 anmts, ID 1529 (QRM splash by Kol Israel s/on at 11605 at 1528), f-p (Serra ITALY 6/20)  
 11635 PHILIPPINES FEBC in EG 0940, "DX Dial" pgm, improved signal by 1000 (Costello NJ 6/9)  
 11665 SWEDEN R Sweden in SW 0315, IS, EG anmt that they are xmtg on 9495 (Sgrulletta NY 7/4)  
 11690 JORDAN R Jordan in EG 1602, nx, ID, TC, wx rpt, pop mx, f (Serra ITALY 6/2)  
 11705 CANADA R Japan relay in EG 0000, world nx, tlk re hospital waste (Trescher PA, Krause OH)  
 11765 SINGAPORE BBC relay in EG 0908, financial nx, ID, heavy QRM from 11770 (Ziolkowski 7/1)  
 11783v BRAZIL R Nac da Amazonia in PT 1000, nx "Jornal Nacional", IS, canned ID, morning mx show  
 "Alvorada Brasileira", xmtg well off from listed 11780 (Nozaki JAPAN 7/4, Ziolkowski NY 6/22)  
 11785 IRAQ R Iraq Int in EG 0300, nx, Mideast mx, cmntry, ID, mailbag, g with weak co-channel QRM  
 (Alexander PA 6/6) in EG 2149, tlk of embargo by Western powers, ID, Western type mx, sked in  
 Iraqi time, g (Ziolkowski NY 6/13) in AR 0305, chants, tlks, co-chan QRM, f (Rippel VA 6/25)  
 11805nf OMAN R Oman in AR 1630, AR chant, anmt, ID, tlk re Islam with clapping (Serra ITALY 6/21)  
 11820 GREECE VOA relay in EG 0206, "News Now", sports nx including World Cup (Moats OH 6/30)  
 11835 GERMANY R Canada relay in EG 0359, ID, web URL, sked, nx, "Spectrum", //11975 (Moats 7/7)  
 11890 CHILE La Voz Cristiana Santiago in SP 0944, pop mx, canned ID, f-g (Nozaki JAPAN 7/5)  
 11910nf VATICAN STATE VR in SP 0143, IS, ID, relig tlk, ex-5945, g (Alexander PA 6/6)

- 11990 **KUWAIT R Kuwait** in EG 1805, political & economic nx, wx forecast, p (McGuire MD 6/10)
- 12045 **SRI LANKA R Japan** relay in JP 1537, cmntry by OM, phone interview, ID, f (Humenyk ONT)
- 12050 **UKRAINER Ukraine** in lang \*1830-1930\*, "Programa Unkraine", IS, nx, tlk, exc (Robinson TN)
- 12060 **RUSSIA V of the Mediterranean** relay in EG 1900, features, ID, into AR 2000 (Alexander PA 6/10)
- 12080nf **KAZAKHSTANBBC** relay via Alma Ata in Bengali 1350-1415\*, EG inserts from World Cuptapes mainly dialog in Bengali by 2 OMs on same subject. Abruptly off, no Big Ben (Treibel WA 6/27)
- 12085 **MONGOLIA V of Mongolia** in lang/EG 1210, ID, greetings, tlk, mx, vp (Ziolkowski NY 6/14)
- 120852 **SYRIA R Damascus** in EG 2045, ID, mx interludes between short tlks, nx, off at 2107 but back on 2109 w/weaker signal (Montgomery PA 7/2) in EG 2112, ID, nx, ME mx, vp (Ziolkowski NY 6/13)
- 13640nf **PORTUGAL RDP** Lisbon in PT 0220, discussion, song, //13700 (Paszkievich WI 6/5)
- 13680 **CUBA RIIC Havana** in EG 2304-2313\*, tlk re Cuban food fund, mailbag (Krause OH 6/7)
- 13730 **AUSTRIA RAI** Vienna in EG 0229, ID, nx, wx rpt, "Report from Austria", //9655 (Moats OH 6/30)
- 15125 **INDONESIA RRI** Jakarta in IN 1455, pop songs, SCI & ID, world nx, strong signal (Flynn OR 7/7)
- 15135 **RWANDA Deut Welle** in EG 2104, nx, bridge mx, "Weekend in Review", //9735 (Humenyk ONT)
- 151498 **INDONESIA V of Indonesia** in EG 2000, IS, ID's, fqy, pgm note, nx, feature on soy bean planting, travel promo, mx, political cmntry (Clar NY 6/18, Serra ITALY 6/1)
- 15160 **PHILIPPINES VOA** relay in EG 1245, "News Now", feature on obesity, ID, TC, f-g (Clar NY 6/21)
- 151848 **EQUATORIAL GUINEA R Africa** in EG 2125-2300\*, EG relig pgming, ID, NA (Alexander PA 6/10)
- 15185 **TURKEY V of Turkey** in EG 1244, press rvw, ID's, tlk re TK military exercises, f (Clar NY 6/12)
- 15230nf **CUBA RIIC Havana** in SP 0010, Latin American pgming, g, //9820 (Wolf OH 6/16)
- 15240 **AUSTRALIA RA** in EG 0359, ID, TC, nx, "The World Today", //15415, 15510 (Moats OH 6/29)
- 15255nf **THAILAND R Liberty** relay via Udo Thani in Kazakh 1330-1359\*, occasional EG inserts, mx bks, folk songs, s/off w/ID in lang over background guitar. Weak but clear signal (Treibel WA 6/28)
- 15275 **RWANDA Deut Welle** relay in GM 2355, cmntry re FM radio stns in Denmark (Humenyk ONT)
- 15330nf **GUAM KTWR** Agana in EG 1535, sermon, relig mx, ID, QTH, repl 15105, p-f (Treibel WA 7/14)
- 15350 **TURKEY V of Turkey** in TK 1300, ID's, traditional & contemp mx, exc (Robinson TN 6/12)
- 15380 **ROMANIA RRI** Bucharest in EG 0255, contest for listeners, fqys, Pacific xmsn, f (Flynn OR 7/12)
- 15400 **ASCENSION ISLAND BBC** relay in EG 1707, "Focus on Africa", //17830, 11860 (Serra ITALY)
- 15510 **AUSTRALIA RA** in EG 2319, Australian reaction to Clinton's views on China, ID, p (Clar 6/21)
- 15590 **UNITED KINGDOM Merlin Network One** in EG 2025, info on the UK radio scene, pgm re dish antennas for satellite reception, ID's, exc, //13690 (Alexander PA 6/10)
- 15665 **NO. MARIANAS KHBI** Saipan in EG 1110, "Bible Lesson", CSM pgmg, //9385, f (Moats OH 7/7)
- 17535nf? **ISRAEL Kol Israel** in EG 0359-0415\*, TC, ID, nx, wx rpt, fqy, QTH, //9435, 11605 (Moats 7/5)
- 17630 **GABON Africa #1** in FR 1235, nx rpt on recent elections, ID, jingle, pop mx, f-g (Clar NY 6/20)
- 17675 **NEW ZEALAND RNZI** in EG 2335-0500, Pacific nx, ID, fqy, TC's, ment of fqy change at 0500, local mx (Bueneman MO 6/19, Paszkiewicz WI 6/5, Humenyk ONT 4/12)
- 17705 **TURKEY V of Turkey** Ankara in EG 0300, nx in EG beamed to Asia (Paszkievich WI 6/13)
- 17750 **AUSTRALIA R Australia** in EG 0413, nx analysis pgm, ID, exc (Bueneman MO 6/19)
- 17780nf **HAWAII KWHIR** in EG 0358\*, IS, ID, QTH, web URL, fqys, relig pgmg, mx, g (Moats OH 7/6)
- 17795 **AUSTRALIA R Australia** in EG 0312, call-in pgm with 800 # given, ID (Newbury NE 6/25)
- 17805 **SPAIN REE** in SP 1509-1700, ID, nx re Clinton, //17890 (Humenyk ONT, Newbury NE 6/24)
- 17825nf **JAPAN R Japan** Tokyo in EG 0353, mailbag pgm, ID, new frequency (Paszkievich WI 6/14)
- 17840 **ANTIGUA BBC** relay in EG 1642, cmntry on oil prices: good nx for cartels (Newbury NE 6/24)
- 17885 **UNITED ARAB EMIRATES Abu Dhabi** in AR 1400, trad mx, phone requests (Robinson TN 6/11)
- 21500 **CHILE Voz Christiana** in SP 1304, vocals, ID, p, //15375, 21550 (Ziolkowski NY 7/4)
- 21550 **CHILE Voz Christiana** in EG/SP 1645-2059\*, ID's in both langs, contemporary SP Christian mx, QTH in Miami FL, fqy (Alexander PA 6/10, Clar NY 6/22, Sgrulletta NY 7/6)
- 21740nf **AUSTRALIA R Australia** in EG 0000, ID, nx re Darwin xmtrs may not be shut down, s/off and shift to 17750 at 0130 (Montgomery PA 7/1) in EG 2245, pgm of African mx, ID, nx (Costello NJ)
- 26470nf **USA WJFP** Ft. Pierce, FL in EG 1400, ID'd as WJFP "Gospel Radio", relig pgmg, station operates also on 91.1 FM in Ft. Pierce (Halstead WV 6/29)

### Clandestine, Tentatives, Presumed, or Unknown

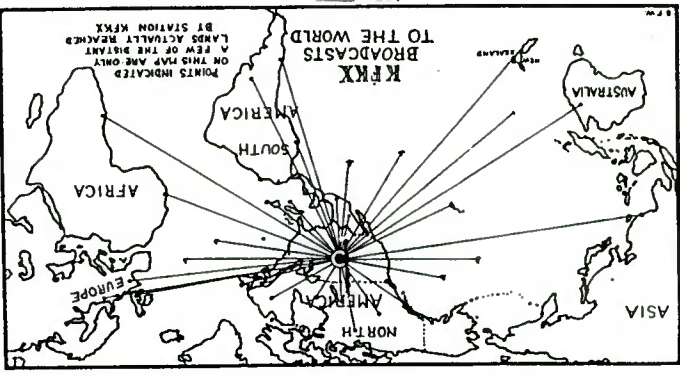
- 7255 **NIGERIA? V of Nigeria**(p) in Hausa 2227, Afr tribal mx, tlk, ment Lagos, interview (Clar NY 6/10)
- 79955 **CLANDESTINE V of Sudan** in AR 1615, tlks, ID, QRN static, f-p (Serra ITALY 6/2)
- 9985 **PALAU? KHBN**(p) in CH?/EG 1010, barely audible tlk in Christian preaching style (Costello 7/12)
- 11734 **TANZANIA? V of Tanzania**(t) in SH? 1655, tlks w/o pause, 2 audio feeds mixed? (Flynn OR 7/10)
- 151048 **UNIDENTIFIED** Unid R in Slav lang 1030, pop song, ID?, polit cmntry, song (Serra ITALY 6/14)
- NOTE: Giovanni suggests that R Romania may have moved here. Any help?
- 15310 **OMAN? BBC** relay Masirah Island (t) in EG 1615\*, nx, "This is London" ID, p (Flynn OR 7/8)
- 15510 **CLANDESTINE R Free Asia** from unknown site in CH/EG 1632, ID in EG, into CH translation re Clinton's trip to visit China, fading signal (Newbury NE 6/24)
- 15460 **CLANDESTINE Nigerian Clandestine** via **WHIRI** 2111, "Voice of Oduduwa", conversations in EG and lcl lang by OM's (Costello NJ 6/24)
- 15470 **UZBEKISTAN? IBRA Radio** Sweden via Uzbekistan(p) in Bengali? hrd daily from \*1330-1400\*, flute-like IS, animated dialog in lang, mx breaks, abrupt s/off in mid-song, no ID that I could understand. The xmsn coincides precisely with PWBR 1998 listing on this fqy (Treibel WA 7/3)
- 17815 **BRAZIL? R Cultura**(p) in PT 0056, guitar instrml, ID?, ads or promos, p (Ziolkowski NY 7/5)
- 17880 **CLANDESTINE R Free Asia**(p) in CH 0351, telephone interview, not hrd on //s (Ziolkowski 7/7)

Here's one you won't hear again any time soon. The purpose of KFKX, Hastings, Nebraska, which was set up in 1923, was to pick up the shortwave signal from the sister station KDKA and relay it on both SW and MW. Hence its promotion as "The first re-broadcasting station in the world." KFKX also originated some of its own programming. +++ Full details on CPRV are available from yours truly at the address above for a business-size, stamped, self-addressed envelope. 73 -- &

**WESTINGHOUSE EXPERIMENTAL STATION KFKX HASTINGS, NEBRASKA**  
**THE FIRST RE-BROADCASTING STATION IN THE WORLD.**  
 Local Programs Every-Monday and Thursday  
 Wave Length—360 Meters  
 Power—100 Watts  
 Re-broadcasting Program from KDKA at East Pittsburgh  
 Broadcasts not definitely determined  
 Broadcasting from the studio of the Eastern Market & Furniture Co., at Hastings, Nebraska.

Dear Friend:—  
 We regret that we are unable to answer your kind communication in more personal form. That, however, is impossible because of the number of letters received. We wish, more the less, to express our appreciation for the time and trouble you have taken to send out our program and assure you that your request will help us in planning further plans for the future.

Trying to receive further suggestions and encouragement from time to time, (friendly) yours,  
 THE WESTINGHOUSE ELKS & KFKX, (N)



Mentioned Police, commanding the Elkhorn sub-district. The letters were written to KFKX in May and were brought by the supply ship, Beulah, which returned in December.  
 Considerable lists of how a poster heard was ranging when one of the programs came in. Inspector Wilson is familiar with what is known as the "North Pole Postcard."  
 This is one of the greatest feats ever accomplished by radio, for the messages covered immense frozen wastes of the local region and brought good cheer to men cut off and isolated in their frozen world. The map above shows some of the other distant lands reached by this powerful station.

With the receipt of letters of acknowledgment from the Arctic Circle, Westinghouse radio station KFKX at Hastings, completes the record of having been heard in every part of the world except the south pole territories.  
 During the winter, three four-hour programs were broadcast by the station especially for members of the Arctic circle, and the most distant point receiving the program was within 12 degrees of the north pole.  
 One of the letters was from North Baffin Island from E. Tuin, captain of the Framingham detachment of the Royal Canadian Mounted Police, and another was from Inspector C. E. Wilcox of the

Home of KFKX

HASTINGS



=====
   
WORLD OF RADIO, CONTINENT OF MEDIA, MUNDO RADIAL MASTER SCHEDULE
   
of Glenn Hauser's Broadcasts, as of July 14, 1998
   
=====

UT	CDT	LOCAL	PROGRAM	STATION	FREQUENCY
THU	THU	THU			
2030	3:30p	3:30p	WOR	WWCR	15685
2100	4:00p	4:00p	MR	WWCR	15685
FRI	FRI	FRI			
1000	5:00a	11:00a	WOR	WRN-Internet	On-demand starts
1530	10:30a	9:30a	MR	RFPI	21460
1745	12:45p	7:45p	MR/REL	RN	Astra 1F
1930	2:30p	1:30p	COM	RFPI	21460 15049
2000	3:00p	2:00p	WOR	RFPI	21460 15049
2115	4:15p	4:15p	MR	WWCR	15685
	SAT				
2255	5:55p	12:55a	MR/REL	RN	15315 11715 11680
				9895	
SAT					
0055	7:55p	2:55a	MR/REL	RN	15315 9895
0255	9:55p	4:55a	MR/REL	RN	9590 6165
0330	10:30p	4:30a	WOR	WRN	Astra 1B
	FRI				
0330	10:30p	9:30p	COM	RFPI	6975 15049
0400	11:00p	10:00p	WOR	RFPI	6975 15049
	SAT	SAT			
0600	1:00a	1:00a	WOR	WWCR	5070
0755	2:55a	2:55a	WOR	WNQM-TN	1300
0955	4:55a	4:55a	WOR	WNQM-TN	1300
	[above reported at 1030/5:30 am instead July 11]				
1030	5:30a	4:30a	COM	RFPI	6975
1100	6:00a	5:00a	WOR	RFPI	6975
1200	7:00a	7:00a	WOR	KNOR-OK	1400
1330	8:30a	7:30a	MR	RFPI	6975
1600	11:00a	5:00p	WOR	WRN	Galaxy V, Astra
					1B, Af/As/Pac sats,
					C-SPAN, KRVM-1280
					OR, WLIO-35 SAP OH
1730	12:30p	11:30a	COM	RFPI	21460
1800	1:00p	12:00n	WOR	RFPI	21460 15049
1830	1:30p	2:30p	WOR	WPKN-CT	89.5 [week delay]
2330	6:30p	7:30p	WOR	WG TG	5085-USB
SUN					
0130	8:30p	7:30p	COM	RFPI	15049 6975
0200	9:00p	8:00p	WOR	RFPI	15049 6975
	SUN	SUN			
0530	12:30a	6:30a	WOR	WRN	Galaxy V, KRVM-1280
					OR, WLIO-35 SAP OH
0630	1:30a	1:30a	WOR	WWCR	5070
0740	2:40a	2:40a	MR	WNQM-TN	1300
0830	3:30a	2:30a	COM	RFPI	6975
0900	4:00a	3:00a	WOR	RFPI	6975
0930	4:30a	4:30a	WOR	WWCR	5070
0930	4:30a	10:30a	WOR	WRN	Astra 1B
1530	10:30a	9:30a	WOR/COM	RFPI	21460 15049 [irr.]
1835	1:35p	8:35p	MR/REL	RN	Astra 1F
2300	6:00p	5:00p	WOR	RFPI	21460 15049
	MON				
2355	6:55p	1:55a	MR/REL	RN	15315 11715 9895
MON		SUN			
0330	10:30p	10:30p	WOR	WSUI-IA	910 [week delay]
	MON				
0355	10:55p	5:55a	MR/REL	RN	9590 6165
	MON				
0700	2:00a	1:00a	WOR	RFPI	15049 6975
0740	2:40a	2:40a	MR	WNQM-TN	1300
1530	10:30a	9:30a	MR	RFPI	21460

TUE TUE TUE  
1230 7:30a 7:30a WOR WWCR 15685  
1900 2:00p 1:00p WOR RFPI 21460 15049

WED  
0300 10:00p 9:00p WOR RFPI 15049 6975

WED WED  
1000 5:00a 4:00a WOR RFPI 6975  
1330 8:30a 7:30a MR RFPI 6975

NOTE: WOR is weekly; COM and MR approximately monthly but aired weekly. MR serialized almost every week on RN Radio-Enlace. MR times on RFPI extremely variable; WNQM times unconfirmed lately. WRN times also relayed by many other FM stations and cable systems. Further info at our website! -

<http://www.angelfire.com/ok/worldofradio>

###

## NEWS RELEASE

Date: July 1, 1998  
Contact: Fred Osterman  
Phone: 614 866-4267



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ISSN 0160-1989

The Journal of the  
North American Shortwave Association

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