

NASA

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NORTH AMERICAN SHORTWAVE ASSOCIATION

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OCTOBER 1998

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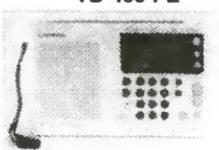


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We are off and running with another DX season. As the sunspots slowly rise and as the DX pours in, don't forget to send your contributions into **Sheryl** and **Wallace** for their respective *Log Report* columns by electronic or snail mail. Remember, contributions can go to our Distributing Editor, **Fred Kohlbrenner**, for the *Log Report* columns and for **Sam Barto's** *QSL Report*. In fact, Fred is so handy he can take contributions for any column in the Journal.

Eric (N0UIH) sends word that **John Callarman** (KA9SPA) will be hosting a Midwest DX Get-together (all bands) on October 23, 24 and 25, 1998 in Mount Vernon, IL. The hotel site is unknown as of yet, but it will be in the I-57/I-64 and State Road 15 area. Mount Vernon is one hour from downtown St. Louis. For more information, please contact John Callarman at (618) 244-2067. Hams can talk in on the closest on-air repeater, the 147.27 MHz (positive offset) repeater in Centralia, IL.

Luca Botto Fiora in Italy sends information about the 1998 African DX Contest organized by Gruppo Radioascolta Liguria ("GRAL"). This is the third such contest and it is free of charge and open to all listeners living outside of Italy. To take part listeners need to hear, between 2200 and 2300 on December 20, 1998, the following stations: 2200-2210 FRCN Kuduna (Nigeria) on 4,770 kHz, 2210-2220 RTV Du Burkina (Burkina Faso) on 4815 kHz, 2220-2230 RDTV Malienne (Mali) on 4835 kHz, 2230-2240 ORTB (Niger) on 4870 kHz, 2240-2250 GBC

ANARC SWL Ham Net

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

(Ghana) on 4915 kHz, and 2250-2300 Radio Centrafrique (Central African Republic). Please indicate program language, program details, receiver and antenna. Each station counts 1 point, each program details counts as 10 points. The winner will receive a t-shirt and every participant will receive a diploma. Send your entry to Alessandro Micheli, Via Lausen 16, 38050 Canal S. Bovo, Trento, Italy. Good luck!

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



Our Motto is - "Unity and Friendship"

Calendar Of Events

- Oct'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.
- Oct 16 Meeting.** **Philadelphia Area NASWA Chapter.** Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831.
- Oct 16 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/>>.
- Oct'98 Meeting.** John Callarman (KA9SPA) will be hosting a **Midwest DX Get-together** (all bands) on October 23, 24 and 25, 1998 in Mount Vernon, IL. Mount Vernon is one hour from downtown St. Louis. For more information, please contact John Callarman at (618) 244-2067.
- Nov 13 Meeting.** The **Tidewater SWL's** meet at 6:30 PM. For more information plus meeting location contact Joe Buch at joseph.buch@dol.net
- Nov 13 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>. For additional information about MONIX, check out their web site at <<http://www.siscom.net/~mmeece/monix.html>>
- Dec'98 Contest.** **1998 African DX Contest** organized by Gruppo Radioascolta Liguria ("GRAL") will take place between 2200 and 2300 on December 20, 1998. Details in October's *Journal*. Send your entry to Alessandro Micheli, Via Lausen 16, 38050 Canal S. Bovo, Trento, Italy.
- 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 Kulpsville 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).

N4316b

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

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.

Musings

This column provides a forum wheras members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are are soley 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

Jim Conrad, 545 Kirkwood Avenue, Waterloo, IA 50701-2107

This may seem to be an odd method of communicating an idea for a new shortwave receiver to manufacturers, but I've tried the direct approach, to no avail. So here goes.

WANTED: A table shortwave radio for both non-hobbyist program listeners, and hobbyists whose family's would join them if the radio looked appropriate in a "family setting" (such as an audio-video system, in the living room, kitchen, bedroom, etc.), rather than in a "radio den." A set designed along the lines of the Bose Wave Radio, or similar radios under the SONY, AIWA, etc. brands) which also plays CD's, would most definitely be nice.

The radio must have performance characteristics of at least the SONY ICF-7600G, though a second filter choice would be nice. The digital frequency display should be easily visible across a room. All controls (on-off volume, AM, FM, AM Sync, LSB Sync, USB Sync, frequency, filter selection, bass and treble) should be arranged in logical order. This should be coupled with a full-featured remote control, similar to that provided with the Lower HF-150 or Bose Wave Radio. An easily used Passband Tuning control, perhaps labeled "audio fine tune" would be nice. I realize the Drake and Lowe have sets with remote controls and better looks than many shortwave sets. However, only the Drake SW-8 has domestic FM broadcast coverage, but stereo is through the headphone jack. They're both larger and more costly than desired.

Of course stereo FM through an A/V system, headphones, and built-in speakers is required, as is a choice of 52 Ohms or 300 Ohm TV twin-lead and a telescopic antenna.

Finally, the radio should sell for no more than five hundred US dollars.

I'll be interested in reactions and comments about this idea, especially in light of digital shortwave broadcasting, which is said to provide audio as clean as a local AM station, and is to come into use in the year 2002.

Best wishes, Jim

Easy Listening

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

Lots of activity this month. As usual, days and times are in UTC.

Money, Markets and the Economy

Radio Australia, in cooperation with Monash University, the ABC domestic network **Radio National** and ABC Online has created a thirteen week series of programs designed to explain, in layman's language, how the global economy works. Although the programs started in early September, you can still get up to speed by accessing **Radio Australia's** special web site that includes transcripts, complete audio files of the programs, adjunct interviews, teaching and learning notes to accompany the programs, a glossary of economic words and ideas, and a reading list of books on economics. The site also includes links to the latest business and financial news, interactive games and places to chat about and provide feedback on the programs. Set your browser to <<http://www.abc.net.au/money/default.htm>> to take part.

Money, Markets and the Economy is an innovative partnership of a national and international broadcaster, an educational institution and an Internet-based service. Apart from accessing the programs on demand from the web site, you can hear the series on **Radio Australia** in RealAudio (at <<http://www.abc.net.au/ra/abclive.ram>>) and on shortwave each *Thursday at 1530 (on 9580)*, repeated *Saturdays at 0505 and Sundays at 0005 (on 21740)*, *1130 (on 9580) and 2130*. (Frequencies listed are those best heard in eastern North America.) The series thus far, in my opinion, has been excellent.

(**Radio Australia** has made some minor changes to its program schedule to accommodate the broadcast of *Money, Mar-*

kets and the Economy and to more closely align its schedule at times with **Radio National**. We'll detail those changes next month.)

Some Good News

Tom Sundstrom advises that the VOA's Communications World will air as a complete 27 minute show as part of a new hour-long "DX block" premiering October 3 on WWCR, Nashville. Hosted by Grove Enterprises and Bob Grove, the hour will conclude with Glenn Hauser's World of Radio. Broadcast times are set for Saturdays at 2200 on 5070, repeated Mondays at 0500 on 3210. The repeat broadcast could be pre-empted at any time.

More Bad News

In a very sudden announcement made on September 20, **Radio Norway International** declared that *Norway Now*, its weekly English language magazine and lone English language program, would no longer be broadcast after September 27. NRK, the international service's parent organization, said that it was no longer appropriate for the broadcaster to underwrite the program and that its costs should be picked up by the Norwegian Foreign Ministry.

By all accounts, *Norway Now* has been a popular program. NRK even experimented with expanding the program a few years back to both days on the weekend, but had to abandon the idea for financial reasons. It's hard to understand NRK's thinking in how it handled this. Although there were some rumors circulating on rec.radio.shortwave for about a week or so before the announcement, it still came suddenly and with a short execution date.

In reply to an e-mail I sent to **Radio Norway International** <radionorway@nrk.no> asking if there was anything listeners could do to reverse the situation, producer Grethe Breie said, "...we'll have to find an alternative solution, even though it means contacting a commercial radio station." She also suggested writing to the Minister of Culture at the following address: Kulturdepartementet, Akersgt. 59, 0180 Oslo, Norway.

I don't quite understand what this reply means. Perhaps Ms. Breie as an employee of **NRK** did not feel at liberty to criticize her employer even though *Norway Now* is a program she helps to produce. Perhaps it was just recognition that the decision—at least as far as **NRK** is concerned—is irrevocable. As for the reference to a commercial radio station, this could mean buying transmitter time outside Norway or something else that I'm unfamiliar with.

Nonetheless, it's all (again) rather depressing. How much can it cost to produce a half-hour weekly radio magazine program? Add to that the fact that the program has a history which goes back almost a half-century and is admittedly popular with its listeners. Maybe I'm missing something. It seems I would have to be because it just makes no sense to me.

Radio Canada International

The new **CBC Radio** programming season starts annually in September. Because **RCI** relies on the **CBC** for so much of its schedule, this means changes in the **RCI** program grid as well.

Several excellent **CBC** programs return to the **RCI** schedule after a hiatus. *Global Village*, a truly unique program that combines musical performances around the world with reports by citizen travellers. *Roots and Wings* is back with Philly Markowitz playing interesting and diverse musical selections. *The Inside Track*, my choice for best sports documentary and anthology program on radio, returns to the North American schedule as well.

There are new additions to the **RCI** schedule as well. *The Vinyl Cafe* with Stuart McLean features musical performances from around Canada and McLean's own brand of humorous stories about his "neighborhood". *Ontario Morning* takes over the first hour in the morning during the work week offering the last part of the **CBC's** daily province-wide breakfast program. *This Morning* returns, albeit reduced in its carriage on shortwave to its first hour during the week. But all the features return to the three-hour Sunday morning edition including the popular and erudite "Talking Books" segment with Ian Brown and "Audiophiles", the challenging weekly puzzle. With all this, it's easy to understand why **RCI** is habitually ranked among the top three most popular broadcasters.

Here's the program schedule for North America: (All broadcast times shift one hour later UTC beginning with the program listed for 1200 on October 25.)

- 1200 Mon. to Fri. *RCI News*
Sat./Sun. *CBC News*
- 1210 Sun. *Quirks and Quarks* (what's new and next in science)
Mon. to Fri. *Ontario Morning* (provincial breakfast program)
Sat. *The House* (the week in the Canadian Parliament)
- 1300 Sun. *CBC News*
Mon. to Fri. *RCI News*
- 1310 Sun. to Fri. *This Morning* (a magazine with interviews/features/documentaries)
- 2200 Mon. to Fri. *The World At Six* (main evening domestic newscast)*
Sat./Sun. *The World This Weekend* (weekend news magazine)
- 2230 Sun. *The Inside Track* (sports anthologies/documentaries)
Mon. to Fri. *As It Happens* (interviews with newsmakers)
Sat. *Mystery Project* (radio drama)
- 2300 Sat./Sun. *CBC News*
- 2305 Sun. *Roots and Wings* (music from around the world)

- Sat. *Global Village* (reports from on the scene around the world)
- 2330 Fri. *C'est La Vie* (life in Quebec and Francophone Canada)
- 0100 Daily *RCI News*
- 0105 Sun. *Venture Canada* (Canadian business)
- Mon. *The Arts in Canada* (weekly cultural magazine)
- Tues. to Fri. *Spectrum* (Canadian current events magazine)
- 0130 Sun. *The Mailbag* (listener mail—including CIDX Report fortnightly)
- Mon. *Earth Watch* (environmental report)
- 0200 Sun./Mon. *CBC News*
- Tues. to Fri. *RCI News*
- 0205 Sun. *The Vinyl Cafe* (diverse music thematically linked with humor)
- Mon. *Tapestry* (the spiritual life of Canadians)
- Tues. to Fri. *Spectrum* (Canadian current events magazine)

Frequencies: 1200 to 1300 on 9640/11855/13650; 1300 to 1400 (*except Sun.*) on 9640/11855/13650; 1300 to 1600 (*Sun. only*) on 11855/13650; 2200 to 2230 on 5960/9755/13670/15305; 2230 to 2300 on 5960/9755/13670; 2300 to 0000 (*Mon. to Fri.*) on 5960/9755/13670; 2300 to 0000 (*Sat. and Sun.*) on 5960/9755/11895/13670/15305; 0100 to 0130 (*Mon. to Fri.*) on 5960/9535/9755/11715/13670; 0100 to 0200 (*Sat. and Sun.*) on 5960/9535/9755/11715/13670; 0130 to 0200 (*Mon. to Fri.*) on 5960/9755; 0200 to 0300 on 9535/9755/11715/13670.

*At 2300 Mon. to Fri., there is a repeat broadcast of *The World At Six* on 11895/15305.

Fans of the CBC comedy shows can still hear their favorites via RCI's service to Europe, Africa and the Middle East. At 2100 Sat., it's *The Great Eastern* and Sun. at 2100 it's *Madly Off in All Directions* on 7235/11690/11890/13650/13670/15150/15325/17820.

BBC World Service

A Suggestion

It has been some time now since the BBC decided to split its **World Service** in English into (first five, now three) transmission streams. Auntie said that this would allow her to more effectively serve her diverse audiences. However, practice has not always been up to the promise.

Take the Beeb's evening prime time schedule on the Americas/Europe stream to the Americas. There are half-hours of news at 0000, 0100, 0200, 0400 and 0500. Allocating this much valuable early evening time to what are essentially repetitive extended newscasts is of dubious value to the American listener. Meanwhile, popular feature programs are relegated to less attractive listening times or, as in the case of *Brain of Britain*, squeezed out of the schedule to the Americas altogether.

Some might suggest that this much news is designed to make segments of the **World Service's** schedule more likely to be carried by American public radio stations. Even if this is so, it is not likely to succeed. North American radio listeners are not looking for this much in-depth news at this time of the evening.

Rather, it would be better if the **BBC** took two of those long newscasts—say 0000 and 0200—out of the schedule replacing one with a fifteen minute report and the other with a one-minute summary. This would free up a thirty minute slot and a fifteen minute slot each night which would make it possible for listeners to hear some of the fine **World Service** features they've been missing.

I've already written to <worldservice.letters@bbc.co.uk> with this suggestion. If you agree with my assessment, you might do the same. Postal address is: Audience Relations, BBC World Service, Bush House, Strand, London WC2B 4PH.

October Highlights

[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.]

New and Returning Series

Returning *October 6 and 7* for a six-week run, **Soundbyte** looks at virtual games and more on the information superhighway (*Tue. 1730; Wed. 1230*)...Returning *October 12 and 16* is a new eight-part series of **The Way We Are**, which takes a sideways look at life in the UK today and puts the main British news stories under the social scientist's microscope (*Mon. 0130; Fri. 0630*)...Starting *October 24 and 26*, **Heritage** returns with a new six-part series looking at conservation and heritage projects around the world (*Sat. 1030; Mon. 0430, 2130*)...Beginning *October 24, 26 and 30* a new eight-part series—**To Be Continued**—gives the "inside story" on soap operas and continuing serials with location and archive recordings, interviews and theme tunes of both the familiar and less well-known soaps (*Sat. 0130; Mon. 0615, Fri. 1515*)...Premiering *October 25, 26 and 30*, in **Transplantations**, five passionate gardeners, who now live in Britain but were born in other parts of the world, talk about how the gardens they have created remind them of their native homes (*Sun. 1630; Mon. 0145, Fri. 0645*)... Starting *October 25 and 27*, writer and presenter Annette MacKenzie investigates corruption, one of the major issues of the decade, in a new three-part series entitled **Oiling the Wheels** (*Sun. 1700; Tues. 0330, 1130*).

Some Regular Series

If you only have fifteen minutes to find out what happened over the last week, **Seven Days** combines an excellent review with a smart perspective (*Mon. 1230; 1730, Tue. 0130*)...**The Composer of the Month** for October is **Jean Sibelius** (*Fri. 0130*)...Celist **Pablo Casals** is featured this month on **Performance** (*Sun. 2310; Wed. 1515*)...**Play of the Week** features the following five titles: **Growing Old Disgracefully**, **Cuba**, **An Inspector Calls**, **Pygmalion** and **Casual Slaughters** (*Sat. 2230; Sun. 0530*)...Among the readings **Off the Shelf** in October is **Maya**

Angelou's Even the Stars Look Lonesome read by the author beginning *the 20th over five nights (Tue. to Sat. 0345)*...**World of Music** continues to provide the best of world music (*Sat. 2330*), while **John Peel** offers his personal choice of the latest sounds (*Thu. 2330*)...This month's edition of **Waveguide** can be heard on *the 22nd at 0545 and 1130*.

Just a reminder that there are several series that continue into October from previous months. Consult last month's EZL for details.

Radio Netherlands Documentaries

2nd/3rd—To Be Announced

9th/10th and 16th/17th—**El Salvador and Nicaragua**—Many of the issues that sparked off civil conflicts in these countries during the '80s remain unresolved. Eric Beauchemin reports on what the civil wars changed and the legacy of those wars on the young.

23rd/24th—**Treaty of Munster-Westphalia**—This year marks the 350th anniversary of the signing of the 1648 Peace of Westphalia, a series of landmark treaties that marked a watershed in European history. Marijke van der Meer looks at the massacre that led up to the treaty, the mammoth struggle to arrive at peace and the legacy of these treaties today.

30th/31st—**The Dutch Constitution**—A look at the Dutch government's efforts to make young people aware of the basic rights enshrined in the country's constitution. What amendments might be made to make the document more of a "living" document than the increasingly symbolic document it has become.

[*Thu. 0053 and Fri. 2353 on 6020/6165/9845; Thu. at 0453 on 6165/9590*]

That's all there's room for. Since there were no submissions from readers for the Program Exchange, we dispensed with it this month. Until November, good listening! 

Shortwave Center

Jerry Lineback
506 South Lawrence Avenue
Scranton, KS 66537
Internet: jalinebk@satelephone.com

Introduction

Talk about *deja vu*. I thought I would introduce myself. Hi, I am your new editor for Shortwave Center. My correct address for snail mail is:

Jerry A. Lineback
506 South Lawrence Avenue
Scranton, Kansas 66537
e-mail to jalinebk@satelephone.com
Phone: +1 (785) 793-2666

Send me stuff to put in SWC, please!

Just who is this Lineback person anyway?

I have been a radio hobbyist and DXer since my childhood here in Kansas, when radio was the only thing going. I remember having to reach up to turn the knobs of the family's Grunow 4-band console. Those were the days when the family sat in the living room listening to entertainment programs from the radio, imagine! You could actually listen to programs from other countries. It is hard to remember what life was like in those days, before the New Age. Of course it is hard these days to remember what I did last week.

In any case, I had that old Grunow in my room during high school and a 150' antenna to the barn. At that time, any information I got came from radio magazines. I had limited time for such things during 8 years at the University of Kansas and Indiana University getting degrees in geology, but when I got a job with the State of Illinois in Champaign-Urbana, some money, and time to call my own, I again became interested with radio as a hobby. Since the Grunow had bitten the dust by that time and I had put together some Heathkit amplifier kits, I bought a Knight Kit

shortwave radio kit. (Now those are two names out of the past.) Again, I took up DXing with an antenna strung around my apartment and getting information from newsstand magazines. I was totally oblivious to the fact that there were organizations and groups interested in the same thing.

I got married and moved to a house in 1969 and was able to put up an outside antenna. In the early 70's, I accidentally discovered that a church friend had a Hallicrafters SX-100 and was also interested in DXing shortwave. On top of that, he was a member of something called NASWA. He showed me some of the past FRENDEX bulletins which helped me better understand what I was listening to. About the same time I decided to upgrade my radio and, being aware of the handicaps involved with measuring frequency with non-linear dial radios and logging scales, I saw advertisements for the new Drake SPR-4, which had direct linear frequency readout, and bought one. The SPR-4 was a great radio and it, and my new membership in NASWA, put my DXing hobby in high gear.

On becoming an editor

Now for the rest of the story. I remember that my first FRENDEX was the September 1972 issue announcing the passing of Bill Eddings and the transfer of responsibilities for NASWA and FRENDEX to Dan Ferguson. At some point Dan placed an announcement in FRENDEX stating that some new editors were needed and asking for volunteers. I was fool enough to write Dan and volunteer and soon found myself as a Log Report editor beginning in January 1973. Needless to say, I learned a lot very quickly. As life during the 1970s progressed, I tended to concentrate on

60 m as my prime DXing band, there generally being too much electrical noise to DX 90 m.

Early in my association with NASWA, Dan invited NASWA editors and other leading DXers to a meeting in beautiful and exciting Charleston, WV. Thus began my personal association with the group of people who, over the past 25 years, have kept NASWA alive and functioning, and the hobby fun, when other DXing organizations have become history.

An antidote: Sometime in the late 70s, I believe, when well known DXers Glen Houser and Ralph Perry were both living in Champaign-Urbana, Illinois, I invited a group of local DXers to my house. I remember hearing the "Voice of the Voyager" was the highlight of the evening.

After serving my apprenticeship as a Log Report editor, I was asked to take over Shortwave Center from Charlie Wootten beginning with the September 1975 FRENDEX. At that time, SWC constituted about 10 pages every month on mixed topics. I enjoyed doing SWC until September 1980 and my association with the many contributors to SWC. I also got possession of the NASWA printing press from Dan during my stint with SWC and served as reprint and special publications editor. I apparently took over the NASWA SCOREBOARD shortly thereafter, which I have been doing for the past 17 years (Gawd, has it been that long?). The late Mac Leonhardt had some nice words to say about me in the August, 1980, Headquarters Report. Reading this again after nearly 20 years reminded me that NASWA's continued success as a hobby organization has depended on a succession of people willing to step in and give a hand when needed. Any number of other similar groups have bitten the dust when no one cared enough to help.

In 1981, I left Illinois and went to work in the oil business in Houston, Texas. When the oil business died in 1986, I moved to the Atlanta, Georgia, area to work for the State of Georgia in environmental protection. In Georgia,

I was driven out of a perfectly good job by a crazy man, returning to my home town of Garnett, Kansas, in 1995. When I started my current job with the Kansas Department of Health and Environment in Topeka, I decided Garnett was just too far to commute daily (70 mi.) and to indulge myself in a long standing desire to have enough land to put up some Beverage antennas. So I purchased 10 acres of prairie near Scranton, Kansas, in Osage County about 15 miles south of Topeka. Everyday is now a dxpedition and it has been a blast. Only this morning (9-10), the 1200 news from Palangkaraya was so clear I heard the lady talking about President Habiebe's latest pronouncements regarding Indonesia's financial crisis and a mention of Palangkaraya. I almost called the office to tell them I would be a little late getting in. Hopefully, my work with the State of Kansas will continue until I can afford to retire in 8-10 years, giving me some time of relatively stability in my life again. Therefore, I mentioned to Rich D'Angelo that I would consider editing a monthly column again. Hence, the call once again to take over SWC. I am having a new house installed on my property in September and will be in the throws of moving again, but this time it is only 100 feet. After I get moved in and the old single-wide gets hauled away, things should settle down for the winter DX season.

I should point out that my previous Log Report and SWC production was done on an electric typewriter (remember those) and word processing consisted of a dictionary, white out, and several balls with different type faces for the IBM Selectric. Those were not good-old days by any means.

I am also an Amateur Radio Operator, KD4RQM. Having an amateur radio license is helpful when the zoning gestapo comes to ask, "what are all those white poles for." I recently purchased an Icom IC-746 transceiver. It has proven to be a better DX receiver than the venerable Drake R7 I have used for many years. It has DSP audio for effective noise reduction and a simple band scope which has proven very useful. Using the 2.4 kHz filter in the 455 kHz slot only for

AM provides suitable audio and adjacent channel rejection for normal DXing. More on the 746 later. I have had temporary Beverages and inverted V's up but currently I am using one beverage, untermated, at 320 degrees, and have locations marked for a radial array of beverages, each 2-3 wave lengths long for 60 m. More on Beverages later also.

I have been living in the Topeka area now for about a year and belong to each of the three local amateur radio clubs. I am enjoying the life of the formerly married (My three grown sons work in the Atlanta area), and indulge myself in my other major hobby besides radio, that is studying the history of and collecting antiques representative of the time period between April, 1925, and June, 1940. The age of Art Deco. This interest also led to a re-examination of the history of the 20th Century, especially as events relate to the transition from the Industrial Age to the New Age in my lifetime in order to sort out its meaning and impact on my life.

Is there a future for "Radio" in the New Age of Man?

I hope you will indulge me in some comments on the changes in the institution of "Radio" in my lifetime. First, we must redefine "Radio" to not just include commercial, government, or private broadcasting of audio only information or entertainment. Radio now includes a number of technologies for disseminating audio information and entertainment from a centralized source to individual consumers. Web radio for instance. The distinction here is dissemination from a central source, whether direct broadcast, hard wire, or satellite relay, as opposed to individual audio such as tape, disk, or CD. (Humans love to compartmentalize, don't they?)

The Industrial Age was a short blip on the human historical timeline. After all, man spent his first 200,000 years hunting beasts and gathering berries. Settled agriculture is a phenomena that came into being only after the last glacier melted about 10,000 years

ago. Civilization (as we know it) began as agrarian city states developed about 6000 years ago. While the Industrial Revolution began for some Europeans in the 18th Century, for Americans, the Industrial Revolution was largely a post-Civil War event. It lasted for only about 100 years before the beginning of the New Age (also called the Computer Age, the Information Age, Post-Industrial Age, and the Post-Modern Age) about 1960. Nevertheless, in that brief period, vast changes were wrought on man and his institutions around the world.

While the beginning and end of the Industrial Age are not defined by the introduction of new technology, the Industrial Revolution was largely driven by the steam engine and the New Age largely enabled by the computer. New technology, however, came into existence prior to the Industrial Revolution and will continue to be introduced in the Post-Industrial New Age. Radio was just one of the many new technologies introduced during the Industrial Age.

The changing of ages can be best defined by examining the changes in the character of Society's institutions: government, business, education, agriculture, religion, media etc. All of these institutions existed prior to the Industrial Revolution, but were profoundly changed by it. Likewise, the turmoil we have seen in the last half of the 20th Century has resulted from the necessity of these same institutions to change once again (largely without knowing why) to meet the needs of a New Age.

What characteristics dominated the Industrial Age and what are the characteristics of the New Age? With apologies to Alvin Toffler, *The Third Wave*, prior to the Industrial Age, government was small and decentralized. Business and industry were largely local in nature. Media was also largely local, communications poor, transportation slow, and people were largely left on their own for entertainment. The community for most people extended only as far as they could comfortably walk and return the same day.

Education outside the home was largely haphazard and local. Organized religion was the only institution which had centralized administrations that, in some cases, transcended national boundaries. Agriculture ran on animal power.

During the Industrial Age, government became massive and centralized to support industry. Education became a centralized and synchronized State responsibility to provide educated workers for the offices and factories. Business became massive and centralized. Synchronization and rapid communication by electronic means controlled mass production and distribution. Agriculture became mechanized and centralized. Mass centralized media developed, disseminating a uniform national culture through print, radio, movies, and later TV. Religious institutions became even more centralized administratively, disseminating a uniform doctrine utilizing the emerging technologies. Religion was largely dominated by the "Main Line" denominations. Transportation became rapid and the scope of community became first national and then world-wide in scope.

Business was the first institution to respond to the changes of the New Age. Downsizing, decentralizing, denationalizing, demassifying, outsourcing, niche marketing, entrepeneuring, and globalization are all characteristic of the New Age. Henry Ford offered the model T only in black. Remember when Ford made millions of the same size car and the only choice was color or number of doors. How many model choices does Ford offer today and where are they made?

There has been a great proliferation of decentralized and doctrinally independent religious groupings in the New Age coupled with a decline in the strength of the "Main Line" groups.

World wide individualized instantaneous communications has enhanced the world view of a Global Village. At the same time, centralized government institutions have be-

come redundant and are gradually being disassembled. Once again, local government is becoming the most important in an age of decentralized internationalized society.

Media has been decentralized, diversified, and tabloidized with emphasis on the sensational and salacious.

The most inertia-bound of Society's institutions appears to be its educational system. It continues to be massive and centralized and unable to train workers needed by a decentralized, ever-changing business and industrial community.

To summarize, the New Age is more diverse, fragmented, disorganized, and accepting than the Industrial Age. Many diverse groups and view points exist side by side.

What has all this got to do with Radio. It has led to pressures to privatize radio in countries with state-run media. In the American private sector at least, radio broadcasting has become more local in its scope and more oriented to niche markets. Many stations have been bought by commercial religious broadcasters. Many non-English stations serve a variety of ethnic groups. Internationally, the New Age led to the dissolution of both the Soviet Union and the western Industrial-Military Complex. Thus, international broadcasts of propaganda related to the Cold War ceased and entertainment programming increased. Media in all corners of the globe are changing to meet the demands of a diverse, decentralized internationalized society. Radio, in the broad sense defined previously, will maintain a place in disseminating information and entertainment into the foreseeable future. But, expect many changes in technology (digital) and in scope, commercialization, and diversity.

To close these ramblings. We live in a New Age. Since we can leave it only by croaking, we had all better love it while we are here. Besides, it is damn interesting and never boring. I for one, will be listening to radio the day the last plug is pulled, mine or theirs.

Shortwave Listeners Assisted With Information on POWs in WWII

Robert G. Wheaton of San Antonio, TX, forwarded an article which appeared in the July/August, 1998, DAV Magazine, published by the Disabled American Veterans. The article, prepared by Thom Wilborn of the DAV Magazine Staff, is titled, "Short-Wave Radio Monitors Let Families Know of Their Capture." It covers some of what is known of how a few SWL's, standing lonely late-night vigils during WWII, intercepted the Axis Sally broadcasts from Berlin to copy names and other information broadcast by the Germans, then let Canadian and American servicemen's families know the apparent immediate situation of their loved ones. In some cases, Germany was acknowledging POW status of personnel already listed by the War Department as killed or missing in action.

Such was the case of Army Sgt. Frank Davis, injured then captured during the Battle of the Bulge in December, 1944. The War Department notified his family that Sgt. Davis was badly wounded and missing. Davis had, in fact, been taken prisoner, hospitalized, and then sent to a POW camp. Enter "Axis Sally" Mildred Gillars, of Portland, Main, a turn-coat propagandist whose broadcasts from Berlin were calculated to demoralize Allied troops, principally those in Europe within radio range.

As soon as Axis Sally broadcast Sgt. Davis' name and POW status, his hometown, etc., 38 Americans who had independently, and with no coordination whatsoever, intercepted that information promptly relayed it to Davis' mother by postcard or letter. Sgt. Davis returned from the war, resumed his life, and remained ignorant of how wartime SWL'ing efforts had touched his family.

Recently, in going through his mother's personal effects, Davis discovered the 38 messages written a half century ago. First stunned,

and then amazed, Davis wrote to the 38 operators. Only three replies were received, one from Irene Walters, a WWII SWL, and two from SWL survivors' families.

Mrs. Walters, of Patchogue, Long Island, NY, is pictured in the article with maps of Germany showing locations of POW camps and letters of thanks she received from families of POW's during WWII. She said that she happened to come across the "Axis Sally" broadcast early one morning and saw the opportunity to bring hope to worried families. With a brother stationed at an unknown location, she was accurately aware of the gnawing anxiety that a lack of information could evoke. Dutifully listening in every night for years, she passed along information about captured American soldiers and airmen. Mrs. Walters monitored broadcasts that were sometimes interrupted after 15 or 20 minutes or sometimes lasted an hour. "The broadcasts came in very clear," said Mrs. Walters. "The house was quiet. The kids were asleep. It was very quiet."

After a broadcast, Mrs. Walters wrote post-cards to the families of the POWs, telling them their son, husband, or father was safe. "I wrote then the same day, right away, early in the morning," she said. "I gave the cards to my son to mail on his way to school." Mrs. Walters was not aware that 37 others had mailed letters to the Davis family that day. "I didn't know anyone else was doing it," she said. The responses she received from families were quick and overwhelming, totaling more than 1,000 letters during the war. "They thanked me for sending the cards," she said. "They were so appreciative."

The two other SWL's identified as sending information to Sgt. Davis' family were Ida Smith of Prairieton, IN, and Leroy S. Schum of Redding, PA. The articles' author went on to identify several other POW's whose fami-

lies received first word of their capture from SWL's. One airman's mother received 65 notices from SWL's following an "Axis Sally" broadcast giving information about her son. Another SWL identified in the article was Stanford Lowe of NYC, who is reported to have sent 10,379 letters and telegrams to families of POW's.

Mr. Davis fears that the role that these SWL's played in assisting families of POW's during the war will be forgotten and lost to history (some of these were likely amateur radio operators who were idled by the wartime ban on amateur radio transmitting). Mr. Davis has begun to campaign for a memorial to commemorate their contributions to the families of POW's. Mr. Davis has asked for the

help of Delaware Senators William V. Roth, Jr., and Joseph R. Biden, who said "it is important to save this significant portion of World War II history."

Now Mr. Davis is undertaking the enormous task of identifying other operators, the families receiving information, and the POW's involved. Since many of the principals have likely passed away in the intervening years, Mr. Davis is asking for anyone with information about shortwave radio operators who participated in providing information about Allied soldiers lifted from German or Japanese broadcasts during WWII to Frank Davis, P. O. Box 6207, Stanton, DE 19804, or call him at (302) 994-0109.

'Shower' Radio Lives Up to Its Name

This article is summarized from the October, 1997, issue of the NTA 'Contact' and appeared in DX'ers Calling in December 1997.

The NTA's high frequency radio service in the Northern Territory, known as Outback Radio, Bush Radio, or the "shower" service, has entered its second decade with transmitters at three locations continuing to blanket the Territory.

This service was officially opened in 1986 when identical HF stations were established at Alice Springs, Katherine, and Tennant Creek. The original idea was to deliver an ABC service to radio-deprived listeners in isolated homesteads or remote communities beyond the main population centers. There were also plans to introduce indigenous programs on the three-station network.

Transmitters, operating at 50 kW were installed at each station and have an approximate range of 450 km in all directions. However, letters have been received that indicate that the stations have been heard in Europe, Japan, North America, and New Zealand. The stations' transmission method, called vertical incidence transmission, led to Outback Radio being called a "shower" service because of the manner in which signals

are reflected back to earth. The signals are transmitted upwards in a narrow conical beam to meet the ionosphere where they are reflected back in a more dispersed, shower-like, beam.

Vertical incidence transmission is common in tropical areas, but had not been used before in Australia.

The operating frequencies must be changed twice a day, usually around 8 am and 5 pm. During the night and morning, the stations operate in the 120-metre band and during the day operate on the 60 metre band. The "shower" service broadcasts 24 hours a day. Tennant Creek has a mix of ABC and Central Australian Aboriginal Media Association (CAAMA) programs. Programming is somewhat different on the Katherine station, reflecting the interests of listeners in "Top End" communities. For about 4 hours a day, M-F Katherine broadcasts Aboriginal programs from the Top End Aboriginal Bush Broadcasting Association (TEABBA).

Once again, please send articles and information for SWC.

73 de JAL



Listener's Library

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Beverly, NJ 08010
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Those of you that have been to my shack know that, while I am relatively organized, my surroundings do not tend to reflect this. Writing for several magazines along with "real world" work and the actual time I do get to spend enjoying the various aspects of the radio hobby lead to a rather cluttered look here at N2EI. My practice to keep track of book that have yet to be review is somewhat eccentric to say the least. Quite a while back, The American Radio Relay League was kind enough to send me a box of reviewable books, most of which have graced the pages of the NASWA Journal at one time or another. Well, as the box slowly emptied, it became a convenient place to throw in new books as they came in from various sources for examination and review. By having one spot for yet to be reviewed materials, they were safely protected from getting forever lost in the morass that the rest of my shack often becomes. This box is going on something on the order of its fifth year of service. With that fully explained, let's dip into said box and see what wonder appear this month.

The Worldwide Shortwave Listening Guide

Edited by John A. Figliozzi

112 pages

\$8.99

Number 62-1335

Master Publishing Inc. for

Radio Shack

Ft. Worth, TX 76102

It is always a great day when a NASWAite shares their hobby expertise with the world. John Figliozzi has completely revised and updated his Listening Guide and it continues to be available through Radio Shack stores that seem to be a ubiquitous as cellular phone sites.

The book, as in the previous edition, includes

a shortwave program listing by UTC Time, Station, Days of broadcast, target audience, program type and, of course Frequency. A separate section classifies programming by 11 popular topics, allowing the reader to find, for instance, programs related to drama, literature and readings. Within this section are included those stations that have programming to help the listener learn other languages. This, in my mind, has always been and underutilized facet of shortwave listening and I am always happy to see someone reminds us of this novel notion.

The book also contains an excellent short introduction to the shortwave listening hobby that would be ideal for helping to get someone to begin to understand the hobby. Of course once they start to get hooked you can always point them to my book but that's the full limit of my shameless plug in this review.

This edition of John's book even include a small section on Alternative Ways to Access International Broadcasters including satellite, local placement and Internet "bitcasting" resources. This addition begins to reflect the "larger world" that is now being shared with traditional wireless broadcasting and further serves as a perfect segway for our next book.

Passport To Web Radio Second Edition

Editor-in-Chief Lawrence Magne

144 pages

\$19.95

International Broadcasting Services, Ltd.

Penn's Park, PA 18943

www.passport.com

ISBN 0-914941-46-1

I know some traditionalists are already warming up the tar and emptying the feather pillows but I'm going to review Larry's book just the same.

Personally it took me quite a while to warm up to the notion of "bitcasting" or Internet Radio or whatever name finally gets hung on it in the end. This was not because I was a techno-luddite or anything; I just needed a book like Larry's first edition of Passport to Web Radio to turn me on to all the possibilities. Since the first edition was published, netcasting has gone beyond being an experiment and a curiosity to being a legitimate adjunct to traditional wireless broadcasting. Further, improved personal computers with a lot more horsepower and updated audio (and video) players make listening to this form of programming a turnkey operation. For example, while I am typing this, I am enjoying a soothing piano concerto by way of WFMT-98.7 FM, Chicago, IL (wfmt@broadcast.com). Passport to Web radio lists this and over 1500 other programming opportunities.

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Grant it, this is not the sport of chasing DX, but it is excellent radio broadcasting that would otherwise be out of my reach even through the best efforts of a hot receiver, low noise preamplifier, beam antenna and the mother of all tropospheric ducts. As a radio monitoring hobbyist, nothing beats the rush of battling conditions to catch a rare signal for the purposes of confirmation. But when I'm listening for content, knowledge and

enjoyment, I can do without the propagation fading and the static crashes. In other words, as a radio monitoring hobbyist who also likes to play with computers, I can honestly say I have access to the best of both worlds.

In the midst of the excellent program guide, featuring listings of as many of the current Internet broadcasters as publishing deadlines allow, the book is a further study of the impact of this new technology on both the broadcast industry and the listener. The idea that KFI, (www.kfi640.com/programming/index.html) Los Angeles, California's advertisers may be able to count on Old Uncle Skip in New Jersey listening in has some heavy implications attached to it. True, my listening in on the other side of the country may be just a blip on the scope today, but Internet broadcasting is still in its infancy.

Passport to Web radio is a great way to get a handle on this new technology. You'll also hear some great radio programming along the way.

And of course no Magne tome would be complete without many beautiful color pictures, some of which brings out my more primal instincts. The several pictures of Kim Komando are certainly easy on the eyes, but I must cast my vote for page 11 and France Damour. A redhead with a French accent. I should be paying somebody to let me do this job!!!

Shortwave Sidelines

In addition to my monitoring and net listening habits, I remain a dedicated amateur radio operator. This past year has found me nurturing a growing addiction to low power (QRP) operating. Working the world with 5 watts or less has turned out to be a great way to revitalize a ham radio career that has spanned over 20 years. Along the way I have run across some interesting folks who are doing there level best to get the rest of the ham radio world to turn down the transmitter drive control. One book among many that serves this task is:

Introducing QRP

By Dick Pascoe G0BPS

84 pages

\$10.00 + shipping

available from

KANGA US

3521 Spring Lake Drive

Findlay, OH 45840

Kanga@bright.net

www.bright.net/~kanga/kanga/

419-423-4604

fax 419-421-5041

QRPers look at the radio world through the perspective of finding ways to make very little power go along way. This view also tends to attract folks who want to find innovative and inexpensive ways to play radio as well. That is not to say that all QRP people are cheapskates, but it is a unique rush to get a contact made with a transceiver that had a total cost of less than \$50 (INCLUDING the antenna and batteries) running less than one

half watt of power. Dick Pascoe's book reflects these most basic QRP sensibilities. The book is a good overview of the basic equipment and operating techniques used in the current QRP world. You will gain more than its cover price in the knowledge needed to begin to experiment with QRP amateur radio. And should you decide to get your feet wet in this challenging aspect of amateur radio, you will also find the circuit designs necessary to build your very own QRP transmitters and receivers. At this point I must issue a warning based upon personal experience. QRP operating is the most addictive radio activity known to humankind!!! Reading this book will be a first step down a slippery slope to a level of fun that you may have never experienced in any other aspect of the radio hobby. If you choose to read this book, remember, you have been warned. Also, I'll see you down on the lower end of 40 meters any evening right before the International Broadcasters take over. 

FRENDX: Twenty Five Years Ago....

In his Clandestine Bulletin column, Larry Magne writes about Dr. Carl McIntire and Radio Free America. In the Shortwave Center edited by Al Sizer, Ernest Lohe wrote about "My DX Trip To Guatemala" while Don Jensen's "On To The Top" series featured identifying rare shortwave stations. This was the last column prepared by Si due to work commitments. The Log Report editing team consisted of Elliot Straus, Fred Heutte, David Potter and Jerry Lineback. Gilfer just purchased the remaining copies of the 1973 WRTH and was offering them at considerable savings for only \$4.50 postpaid. In the QSL Report, editor Larry Yamron mentions that the latest edition of the Verification Signers List is available from Ed Shaw for 50 cents. John Campbell reports a QSL was received from Azad Kashmir Radio on 3383 kHz.

Welcome to the following new NASWA members

Denise Burstein, Warminster, PA

Virgil N. Crosby, Dallas, OR

Charles Devaux, Torrington, CT

John Hall, San Leandro, CA

Takaki Julian Hashimoto, West New York, NJ

Stephen Jarvis, Long Beach, CA

Eric J. Johnson, Philadelphia, PA

Moe Keller, Wheat Ridge, CO

Chuck Mitchell, Carmel, IN

Edward L. Morris, Kirkland, WA

Sharleen Olsson, Thomson, GA

Don Paul, Mesa, AZ

Jeffrey Schlesinger, Brookfield, CT

Mr. Harold S. Stein Jr., San Francisco, CA

Edward A. Sylvester, Carlsbad, CA

Alan B. Wilson, Berkeley, CA

Mr. George Woodard, Washington, DC

The Sun And Short-Wave Reception (Part 5)

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

HYDROGEN-ALPHA This absorption line of neutral hydrogen falls in the red part of the visible spectrum and is convenient for solar observations. Energy of this wavelength is formed in the chromosphere and is responsive to solar flares. The H-alpha line is universally used for patrol observations of solar flares. An image of the sun photographed using an H-alpha filter is shown in Figure 4.



(Photo USAF)

Figure 4 Images using the hydrogen alpha spectrum show the hot and "cold" areas of the sun. Scientists study such photos for evidence of flares, sunspots, and other solar activity.

HIGH ENERGY EVENT Flares with large centimetric bursts and sudden ionospheric disturbances (SIDs). High energy protons are flung toward the earth when most of these events occur on the western part of solar disk.

HIGH FREQUENCY (HF) That portion of the radio frequency spectrum between 3 and 30 MHz.

HIGH LATITUDES With specific reference to zones of geomagnetic activity, "high latitudes" refers to 50 degrees to 80 degrees geomagnetic latitude.

HIGH-SPEED STREAM A feature of the solar wind having velocities that are about double average solar wind values.

HOMOLOGOUS FLARES Solar flares that occur repetitively in the same active region, with essentially the same position and with a common pattern of development.

HOP LENGTH The distance a radio wave travels with one reflection from the ionosphere. Hop length depends on the transmit antenna elevation radiation angle and the height of the reflecting layer. Reflecting layer height is a function of the amount of solar radiation and the time of day at the reflection point.

INTERPLANETARY MAGNETIC FIELD (IMF) The magnetic field carried with the solar wind.

INTERPOLATION To estimate on the basis of some rule. For example linear interpolation estimates the position of points from values of the respective function on either side of the point.

ION An atom or molecule with one or more electrons removed (positive ion) or added (negative ion).

IONIZATION The process of removal or attachment of an electron to an atom or molecule to form a positive or negative ion respectively.

IONOGRAM Record of the time delay (virtual height) of HF echoes from the ionosphere at varying frequencies. Recordings are made by an ionosonde which shoots a beam straight up and measures the time delay for return echos as the frequency is swept.

IONOSONDE Swept frequency HF pulsed radar used to monitor the ionosphere. Pulses are transmitted vertically upwards and the ionosonde records the time delay of the returning echoes. Ionosondes normally sweep in frequency from about 1 to 20 MHz.

IONOSPHERE That part of the upper atmosphere ionized by the sun's radiation. The free electrons in the ionosphere support HF radio wave propagation by refracting radio waves back to earth.

IONOSPHERIC STORM A disturbance in the ionosphere which usually occurs in connection with enhanced geomagnetic activity.

K CORONA The part of the corona seen by the eye at a total solar eclipse and caused by electrons scattering sunlight in the outer atmosphere of the sun.

K INDEX A 3-hourly quasi-logarithmic index of local geomagnetic activity. Range is from 0 (very quiet) to 9 (extremely disturbed). The K index measures the deviation of the most disturbed horizontal component of the geomagnetic field.

KELVIN A scale of absolute Celsius temperature. The absolute Kelvin scale begins at -273.18 degrees Celsius where all atomic motion stops. This is one of those limits like the speed of light. You can't get any colder. Zero degrees Celsius is +273.18 degrees Kelvin. One hundred degrees Celsius is +373.18 degrees Kelvin.

Kp INDEX A 3-hourly planetary geomagnetic index of activity based on the K Index from a dozen stations distributed around the world. Kp can be much more or less than the K Index at any particular location.

LEAST SQUARES APPROXIMATION

A method of approximation chosen to define an equation best representing a set of observed data in way that minimizes the squares of the differences between the data points and the line described by the equation. Once an equation is best-fit to the data, the equation can be used to predict future data values. Such a process can be used to predict future solar flux levels for example.

LIGHT BRIDGE A bright tongue or streak penetrating or crossing sunspot umbrae. Light bridges occur frequently before sunspot region division or dissolution.

LIMB FLARE A solar flare seen at the edge of the sun.

LIMB The edge of the solar disk or any astronomical object as seen from the perspective of the observer.

LOOP PROMINENCE SYSTEM A system of loop prominences associated with major flares.

LOSS In the ionosphere it refers to the removal of free electrons from the ionosphere.

LOW FREQUENCY (LF) That portion of the radio frequency spectrum from 30 to 300 kHz.

LOWER DECILE A term used in analysis of statistical data. The smallest decile, one of nine, that has 90% of the ordered values above it.

LOWEST USABLE FREQUENCY (LUF) The lowest frequency which allows an acceptable grade of HF service. LUF is normally controlled by absorption in the D layer of the ionosphere and rising

M 3000 The optimum high frequency which reflects back to earth at a range of 3000 km in a single hop.

M CLASS FLARE Solar flares which have a particular range of energy output of X-ray radiation. An M class flare will usually produce a shortwave fadeout in the daylight hemisphere of the earth. M class flares are less intense than X class flares but more intense than C class flares. 

Equipment Reviews

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The AOR AR7030 Plus/NB7030 Receiver

One of the things that I really like about the AOR AR7030 receiver are the extensive number of options that are available to customize the receiver for a particular type of listening. AOR has added even more options with the release of the "Plus" version of the '7030, the FPU7030 microprocessor upgrade and the NB7030 noise blanker and notch filter:

The "Plus"

The AR7030 Plus has modifications made to various stages to improve the receiver's dynamic range and lower synthesizer noise. These changes include improved mixer balance for higher intercept performance, high tolerance components in the direct digital synthesis circuit for lower noise, enhanced attenuator performance for lower intermodulation distortion and a higher specification antenna input transformer to lower mixing products. The "Plus" has a 4 kHz metal-case ceramic filter installed in place of the 7 kHz filter in the standard '7030—this nicely fills the bandwidth gap between the 2.2 kHz SSB filter and the 5.5 kHz AM filter. One other component change is the use of a higher quality encoder for smoother tuning. The "Plus" has the enhanced CPU, (but not the notch filter/noise blanker) which I will describe separately, since it is available separately for the standard '7030. The AR7030 Plus costs about \$250 more than the standard receiver.

The most noticeable benefit to the "Plus" package to my ears was the 4 kHz filter. It is a definite benefit for listening in severe interference situations. The passband shift control allows for setting the filter curve for

maximum intelligibility while reducing adjacent channel interference. I could detect no difference in casual listening from the front-end upgrades in the Plus — there were no spurious responses above or below the MW band from strong local stations on either version of the radio. There was also no significant difference between the tuning of the two radios.

FPU7030 Enhanced CPU

The FPU7030 is a replacement microprocessor and EEPROM that increases the memory capacity of the '7030 from 100 channels to 400. Memory scanning is supported but only in blocks of 100 channels maximum. The FPU7030 also permits attaching a 14 character alphanumeric label to each of the memory channels. Labeling is performed by selecting characters with the front panel "spin" knob. Numbers, both small and capital letters and a variety of symbols can be selected for the labels. A "cut and paste" feature is available for labelling multiple memory channels. The label is displayed as each memory channel is selected or if the radio is tuned to a frequency that is stored and labeled in a memory channel.

The FPU7030 also provides greatly expanded timer capabilities for unattended operation. The number of timers is increased to 10 one-year timer memories. From my reading of the instructions, the timer cannot be set to turn on at weekly intervals, i.e. the date must be set for each timer-on event. The standard 24 hour timer of the standard '7030 is still available for use, even with the FPU7030 installed.

The FPU7030 provides the software support for adding the NB7030 noise blanker/notch filter. The FPU7030 has a U.S. street price of \$120.

NB7030 Noise Blanker/Notch Filter

The NB7030 is a add-in circuit board that adds an impulse-type noise blanker and notch filter to either the standard '7030 or the Plus. The noise blanker works in the RF stages to reduce pulse type noise from automobile ignitions, etc. It is not the DSP type of noise reducer that can work on hiss, static and white noise. The width of the blanking pulse can be set for narrow or wide and the trigger threshold for the blanking pulse is adjustable. The notch filter works in the audio stages and is tunable over the range of 150 Hz to 6 kHz. The filter can be manually or automatically tuned and provides an attenuation of greater than 40 dB. Unlike some of the outboard DSP notch filters which can notch heterodynes on multiple frequencies, the NB7030 provides only a single notch frequency. The U.S. street price for the NB7030 (including the FPU7030 which is required for support of the NB7030's functions) is \$299.95-\$239.95 for the notch and noise blanker alone, if one is upgrading a '7030 Plus or a 7030 which has already been modified with the enhanced CPU.

Adding the notch/noise blanker requires selecting their respective configuration settings on the setup menu. Adding these options (as well as the other features of the enhanced CPU) increases the number of branches in the control menus. The notch controls are accessed from the main "Filters" menu, while the noise blanker is accessed via the "RF-IF" main menu. The "Tone" and "VFO" menus are now branches off the "Notch" and "NB" menus, respectively. It adds a bit of complexity to an already complex user interface.

The notch filter works like a champ. The easiest way to use it is in auto tuning mode, which is enabled by turning on the notch and

pressing the "Search" key. The notch circuit sweeps from 300 Hz to 6 kHz and automatically stops on the lowest frequency steady signal in that range. I found it to be quite accurate and effective. Using the notch allowed me to "open up" the bandwidth for maximal fidelity but eliminate the 5 kHz whistle from adjacent stations. The notch is narrow enough that notching the heterodyne has minimal effect on desired signal content. The notch can also be manually tuned via the "spin-wheel". The tuning rate is automatically slowed when the notch frequency approaches that of a steady signal. The notch is such a useful feature that it should be included as standard.

Unfortunately, the noise blanker is less useful. As a standard pulse-type noise blanker (i.e. effective on impulse noise such as that from automotive ignitions), it works well, but the majority of noise that I am plagued with is not of that type.

Too Many Choices?

The question now becomes which version of the AR-7030, with which options should one buy? For those with unlimited budgets, the answer is the '7030 Plus with the noise blanker/notch option with a total price of just under \$1500. For those who do have to watch the bottom line, the answer depends on one's primary type of listening. The nice thing about the Plus version is the addition of the the 4 kHz filter for DX'ing. However, a standard '7030 can have a 4 kHz Murata ceramic filter added for an additional \$45 or a Collins mechanical 4 kHz filter can be added for \$120. Adding the notch/noise blanker along with a 4 kHz ceramic filter to the standard '7030 gives a package price of about \$1350. Other filter bandwidths are available for CW or data modes.

AOR (UK), LTD. can be reached at 4E East Mill, Bridgefoot, Belper, Derbyshire, DE56 2UA, ENGLAND. The Website is <http://www.demon.co.uk/aor/>; E-mail: info@aor.co.uk. 

AFGHANISTAN Re last month's BBCM/LN item about *Radio Voice of Shar'ah*:

So this 'new' station is the former '*Radio Afghanistan*' that was pro *Jamiat-e-Islami* (Rabanni party) and anti-Taliban orientated. The broadcasts were thought to be from Pakistan and possibly they also shared transmitter with the *Voice of Free Tajikistan*. The languages: Pashto, Dari and the identification in Pashto was *Radio Afghanistan, Baroi-e Afghanistan*, they were active since Jan 1997 and were moltored in March 98 by BBCM on 7084v kHz from *1430-1530*.

It should not be confused with that *Voice of Shar'a* (*Voice of Islamic Law*) that already broadcasts from: *Kandahar, Afghanistan* (Languages: Dari, Pashto). This station is active at different times on 7200 kHz. (Grace/Clandestine Radio Watch/Schoech-GER)

ALBANIA *Radio Tirana* is on 0045-0100 on 7160 (/6115 not audible Sept 22) & 0130-0200 6220 & 7160. Both freqs at 0130 are well-heard, although 7160 had some ARO QRM Sept 22 (Grishin-ONT/WORLD OF RADIO 958)

ANGUILLA Has one windbag silenced another? Dr. Gene Scott's Caribbean Beacon missing from 11775 Sept 21 at 1251 check as Hurricane Georges was reported to be hitting neighboring St. Maarten. (Review of International Broadcasting/Hauser-OK)

ANTARCTICA 15476 LRA36 *Radio Nacional Arcangel San Gabriel*, according to personal talks, the station will be inactive around one month by arrangements at the station site. (7-Sep/Barrera-ARG)

ANTIGUA Checked BBC 15220 at 1259 Sept 21 and it was off the air, but came on at 1300. Antigua is supposed to run until 1400 when Sackville takes over the frequency; I wonder if Antigua was downed by Georges and Sackville came up an hour early? After 1300, 15220 was synchronized with 9515 (Canada), so 15220 could have been Sackville, but I'm not sure if under normal circumstances Sackville and Antigua are synchro -- probably not, since an additional satellite hop should be involved to Sackville. 17840, scheduled for Antigua after 1400, always comes up a few minutes late, but on this date did not come up,

further indication that the hurricane caused Antigua to be off the air. However, when rechecked after 1500, all three were on and in synch, 9515, 15220 and 17840 (Review of International Broadcasting/Hauser-OK)

AZERBAIJAN *Radio Azerbaijan, Baku*, was noted September 12th with English in progress at 1713 UTC on the new frequency of 9164.97 kHz. The signal was very strong with no interference. They still announced English at 1800-1830 GMT on 6135 kHz. However I guess they do mean 1700-1730. (Nielsen-DEN/Hardcore DX/Review of International Broadcasting/Hauser-OK)

Schedule:

| | | |
|-----------|---------|-------|
| 0215-0300 | Azeri | 9165v |
| 1100-1200 | Turkish | 9165v |
| 1200-1400 | Azeri | 9165v |
| 1400-1500 | Persian | 9165v |
| 1600-1700 | Arabic | 9165v |
| 1700-1730 | English | 9165v |
| 1730-1800 | Russian | 9165v |

(BBCM)

BELGIUM *Radio Vlaanderen International's* English broadcast ("*Brussels Calling*") from 25-Oct:

| | | |
|------|-------|-------------|
| 0830 | 9925 | 9940 |
| 1130 | 9925 | 13745 |
| 1730 | 5910 | 12080 13650 |
| 1830 | 13745 | |
| 2230 | 13670 | via Bonaire |

(Draper-ONT/Review of International Broadcasting/Hauser-OK) (and identical info also via Edwin Southwell, England)

BOLIVIA

| | |
|--------|--|
| 4875.0 | R. La Cruz del Sur, 1/09 2240-2310 mxf ID "Esta Usted en sintonia de Radio La Cruz del Sur" mx en castellano y aymara. (Arrunategui-PRU/Chasqui DX) |
| 4926.6 | R. San Miguel, Riberalta, Beni; 1/09 1040-1106 ID "Queremos estar contigo, somos Radio San Miguel desde Riberalta..." hablan sobre el 33 congreso de educacion. (Arrunategui-PRU/Chasqui DX) |
| 4945.0 | R. Illimani, La Paz; 3/09 1144-1215 px Noticiero en cabina ID "Buenos dias amigos de Radio Illimani..." (Arrunategui-PRU/Chasqui DX) |
| 6014.6 | R. El Mundo, Sta. Cruz; 1/09 1100-1130 nx, ID "Ahora, presentamos el matutino del |

| | | | | |
|-----------|--|-------------------|-----------|-------------------|
| | Mundo para Ud..., son la 7 y 17 de la manana" mx advs | 1000-1100 | English | 11685 6590 5250 |
| | Importador Garcia, el especialista en maderas, le tenemos un especial descuento... | 1000-1100 | Russian | 11755 9890 9785 |
| | (Arrunategui-PRU/Chasqui DX) | | | 11980 9725 7820 |
| 6085.0 | R. San Gabriel, La Paz; 2/09 | | | 7110 5145 |
| | 1040-1100 mxf en espanol ID | 1030-1130 | Cambodi | 9870 9440 8260 |
| | "Por Radio San Gabriel..." px sobre la reforma educativa, tambien hablan en un dialecto ID | 1030-1130 | Indonesi | 15135 12055 11445 |
| | "San Gabriel" (Arrunategui-PRU/Chasqui DX) | | | 8660 |
| 6135.0 | R. Santa Cruz, Sta. Cruz; 1/09 | 1100-1200 | Cantones | 11945 11685 7335 |
| | 1135-1202 nx sobre la marcha de los cocaleros advs Banco de Credito ID "Por Radio Santa Cruz..." (Arrunategui-PRU/Chasqui DX) | 1100-1130 | Esperanto | 9535 7170 6590 |
| | | 1100-1300 | Korean | 5965 |
| | | 1100-1200 | Mongolia | 5850 5145 |
| | | 1100-1200 | Russian | 9725 7820 7110 |
| | | 1100-1200 | Vietname | 9550 5250 |
| | | 1130-1200 | Burmese | 9880 8260 |
| | | 1130-1200 | Tagal/EE | 11700 8660 |
| | | 1130-1230 | Thai | 7360 6590 |
| | | 1200-1300 | Cambodi | 9870 9440 8260 |
| | | 1200-1300 | Chinese | 15260 11945 11875 |
| | | | | 11685 |
| | | 1200-1300 | English | 11980 11795 11675 |
| | | | | 11660 9945 9715 |
| | | | | 9565 7385 6950 |
| | | 1200-1300 | Mongolia | 5850 5145 4883 |
| | | | | 4815 |
| | | 1200-1230 | Tagal/EE | 12110 11700 8660 |
| | | 1200-1300 | Vietname | 9550 |
| | | 1230-1330 | Laotian | 7360 6590 |
| | | 1230-1330 | Malay | 15135 11445 8660 |
| | | 1300-1330 | Burmese | 11780 9880 8260 |
| | | 1300-1400 | Chinese | 15260 11945 11875 |
| | | | | 11685 9440 |
| | | 1300-1400 | English | 15180 11980 11675 |
| | | | | 11660 9945 7405 |
| | | | | 7385 |
| | | 1300-1400 | Esperanto | 11840 11600 |
| | | 1300-1500 | Korean | 5965 |
| | | 1300-1500 | Russian | 7820 5850 5145 |
| | | | | 4883 4815 |
| | | 1300-1400 | Vietname | 9550 5250 |
| | | 1330-1400 | Burmese | 11780 9880 8260 |
| | | 1330-1430 | Indonesia | 15135 11445 8660 |
| | | 1330-1430 | Thai | 7360 6590 |
| | | 1400-1500 | Amoy | 11685 11650 7335 |
| | | 1400-1500 | Cambodia | 9440 8260 |
| | | 1400-1500 | English | 11825 9700 9535 |
| | | | | 7405 7260 |
| | | 1400-1500 | Mongolia | 4883 4815 |
| | | 1400-1430 | Sinhalese | 11780 7120 |
| | | 1400-1430 | Tamil | 11575 9457 |
| | | 1400-1430 | Turkish | 11515 9480 |
| | | 1400-1500 | Vietname | 9550 5250 |
| | | 1430-1530 | Laotian | 7360 6590 6010 |
| | | 1430-1500 | Sinhalese | 11980 11780 7120 |
| | | 1430-1500 | Tagal/EE | 9880 8660 |
| | | 1430-1500 | Tamil | 11575 9457 |
| | | 1500-1530 | Bengali | 11825 8660 7335 |
| | | 1500-1600 | Chinese | 9457 8260 7110 |
| | | 1500-1600 | English | 9785 7160 |
| | | 1500-1600 | Hindi | 11675 9920 7590 |
| | | | | |
| | CHINA China Radio International (CRI) CRI uses relay stations in Canada, France, French Guiana, Russia, Spain, Mali and Switzerland. CRI's Mali relay station frequencies are marked (m). This schedule was compiled entirely from monitoring observations and only includes those transmissions heard recently by BBC Monitoring. | | | |
| 0000-0030 | Hakka | 15400 12065 12015 | | |
| | | 1685 9870 9457 | | |
| | | 8260 7335 7190 | | |
| 0000-0100 | Russian | 9725 | | |
| 0000-0100 | Spanish | 11650 9665-m 7265 | | |
| | | 7160 | | |
| 0030-0100 | Chaozhou | 15400 12065 12015 | | |
| | | 11685 9870 9457 | | |
| | | 8260 | | |
| 0030-0100 | Portugue | 11515 7435 | | |
| 0100-0200 | Spanish | 11650 9665-m 9565 | | |
| 0200-0300 | Chinese | 15435 9665-m | | |
| 0200-0300 | Spanish | 11650 | | |
| 0300-0400 | English | 9690 | | |
| 0300-0400 | Russian | 15435 11755 11515 | | |
| 0300-0400 | Spanish | 9560 | | |
| 0400-0500 | English | 9730 9560 | | |
| 0830-0930 | Indones | 17680 15600 15135 | | |
| | | 12055 8660 | | |
| 0900-1000 | Chinese | 15440 15180 12015 | | |
| | | 11945 11685 11650 | | |
| | | 11515 11500 9945 | | |
| | | 9480 6590 5250 | | |
| 0900-1000 | English | 11755 9890 9785 | | |
| 0930-1530 | Japanese | 9855 7190 | | |
| 0930-1030 | Malay | 17680 15135 12055 | | |
| | | 8660 | | |
| 1000-1100 | Cantones | 11915 11650 | | |
| 1000-1100 | Chinese | 15440 12015 11945 | | |

| | | | | | |
|-----------|----------|---|-----------|-----------|--|
| 1500-1530 | Nepali | 9535 7150 | 1900-1930 | Czech | 13865 7375 6933 |
| 1500-1600 | Pashto | 11515 7480 | 1900-2000 | English | 11515 9600 9440 |
| 1500-1530 | Persian | 11660 9440 | 1900-2000 | German | 9920 6950 5220 |
| 1500-1600 | Russian | 11650 9730 7375 4883 4815 | 1900-1930 | Portugues | 9535 7180 7040 |
| 1500-1600 | Vietname | 9550 | 1900-1930 | Romania | 9860 8870 7305 |
| 1530-1600 | Bengali | 11825 8660 7335 | 1900-2000 | Russian | 11765 11685 9695 9365 |
| 1530-1600 | Nepali | 9535 7150 6590 | 1900-1930 | Turkish | 9785 9685 7405 4960 |
| 1600-1700 | Arabic | 9440 7405 | 1930-2000 | Albanian | 9965 7405 4960 |
| 1600-1700 | English | 9620 9565 | 1930-2000 | Czech | 7375 7305 |
| 1600-1700 | Hakka | 11825 9900 | 1930-2030 | French | 9820 7800 7630 7335 7315 7110 5250 |
| 1600-1700 | Hindi | 11675 11355 9920 8660 | 1930-2000 | Portugue | 15500-m 11975-m 9785 7385 7150 |
| 1600-1700 | Russian | 11650 11515 9965 9860 9730 9655 7375 | 1930-2000 | Romania | 13865 9860 8870 6933 |
| 1600-1630 | Swahili | 9457 7335 5250 | 2000-2100 | Chinese | 11650 11515 9730 9685 9600 7660 7185 6955 |
| 1600-1630 | Turkish | 11685 9715 8260 7480 | 2000-2100 | English | 15500-m 11975-m 9920 9440 7160 6950 5220 |
| 1600-1630 | Urdu | 9945 7590 7160 5220 | 2000-2030 | Esperanto | 9965 7405 4960 |
| 1600-1700 | Vietname | 7360 6590 6010 | 2000-2030 | Polish | 13865 7375 6933 6150 |
| 1630-1700 | Swahili | 9457 7335 5250 | 2000-2100 | Russian | 11915 11765 9695 |
| 1630-1700 | Urdu | 11690 9945 7590 7160 5220 | 2000-2030 | Serbocroa | 9860 9365 8870 7385 |
| 1700-1800 | Cantones | 9900 7180 | 2030-2130 | French | 12010 9820 7800 7335 7110 5250 |
| 1700-1800 | English | 11910 9570 7405 5220 | 2030-2100 | Hungaria | 13865 9365 6933 |
| 1700-1800 | Russian | 11650 9860 9730 9655 9365 8870 7780 7435 7375 6950 | 2030-2100 | Italian | 9965 7385 |
| 1700-1730 | Swahili | 7260 5250 4960 | 2030-2100 | Polish | 7405 7375 4960 |
| 1730-1830 | Chinese | 9820 9600 7800 7335 7315 7110 5250 | 2100-2130 | Albanian | 6150 |
| 1730-1800 | Hausa | 15125-m 11970 9760 7235 4960 | 2100-2200 | Arabic | 11515 9685 9440 7260 |
| 1800-1900 | German | 9920 6950 5220 | 2100-2130 | English | 15500-m 11975-m 9920 9535 7180 6950 5220 |
| 1800-1830 | Hausa | 15125-m 11970-m 7405 7235 4960 | 2130-2200 | English | 9920 9535 7180 6950 5220 |
| 1800-1830 | Hungaria | 13865 9860 8870 7385 6933 | 2100-2130 | Italian | 9965 9365 |
| 1800-1830 | Persian | 16005 11515 9440 7215 | 2100-2130 | Serbocroa | 9860 8870 7550 7405 4960 |
| 1800-1900 | Russian | 11765 11685 9730 9695 9365 7375 | 2100-2200 | Spanish | 13865 7360 6933 |
| 1830-1930 | Arabic | 15530-m 13685-m 12035 7480 7315 | 2130-2230 | French | 15500-m 11975-m 9820 7800 7335 7110 |
| 1830-1900 | Bulgaria | 13865 9860 8870 7385 6933 | 2130-2200 | Hungaria | 6150 |
| 1830-1930 | French | 9820 7800 7335 7230 7110 5250 | 2200-2300 | English | 9880 |
| 1830-1900 | Italian | 9965 9900 7405 4960 | 2200-2230 | Portugue | 7435 6950 |
| 1830-1900 | Persian | 11515 9785 9440 7215 | 2200-2300 | Spanish | 13865 7360 6933 |
| 1900-1930 | Albanian | 9965 7385 | 2230-2300 | Chinese | 15500 15400 12065 12015 11685 11650 9870 9535 9457 9440 8260 7335 7190 6140 5250 |
| 1900-2000 | Cantones | 11945 9730 | | | |

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|--|--|---|---|
| 2300-2330 Chinese | 15400 12065 12015 11685 9870 9535 9457 9440 8260 7335 7190 6140 5250 | 2000-2100 Spanish | 15715 |
| 2230-2300 Esperanto | 9860 6950 | 2100-2200 German | 17750* 15600* |
| 2300-0000 Cantones | 15400 12065 12015 11685 9870 9457 9440 8260 7335 7190 6140 | 2100-2200 Spanish | 9610 |
| 2300-0000 Russian | 9725 7110 | 2200-2300 English | 17750* 15600* |
| 2300-0000 Spanish | 11650 7160 | 2200-2300 Thai | 7445 |
| 2330-0000 Chinese | 11975-m | 2300-0000 Spanish | 17805* 15130* 11720* 9690* |
| 2000-2030 Chinese | 6165-via Switzerland | 2300-0000 Vietnamese | 15345 11745 |
| 2000-2030 German | 3985-via Switzerland | * -via WYFR | |
| 2030-2100 French | 3985-via Switzerland | Central Broadcasting System/CBS Dialect Network | |
| 2030-2100 Serbocroat | 6165-via Switzerland | 0000-0100 Amoy | 15440 11550 |
| 2100-2130 English | 3985-via Switzerland | 0000-0100 Cantones | 9690 6040 |
| 2100-2130 Spanish | 6165-via Switzerland | 0000-0200 Hakka | 15345 11745 |
| 2130-2200 Italian | 3985-via Switzerland | 0100-0200 Cantones | 15440 9690 7520 6040 5950 |
| 2130-2200 Portuguese | 6165-via Switzerland | 0200-0300 Amoy | 11915 11550 7130 |
| (BBCM) | | 0200-0300 Cantones | 9690 6040 |
| CHINA - TAIWAN Central Broadcasting System/Radio Taipei International (former Voice of Free China) | | 0300-0400 Cantones | 11740 9690 6040 |
| 0100-0200 Japanese | 15270 11745 | 0300-0500 Amoy | 11915 11550 7130 |
| 0200-0300 English | 15345 11825 11740* 9680* 5950* | 0400-0500 Cantones | 15270 11915 11550 9690 9610 7285 6040 |
| 0200-0300 Spanish | 17845* 15215* | 0400-0500 Hakka | 11745 |
| 0300-0400 English | 15345 11825 11745 9680* 5950* | 0500-0600 Cantones | 15345 15270 11915 11825 9680 5950 |
| 0400-0500 Chinese | 15345 15270 11825 9680* 7130 5950* | 0500-0800 Amoy | 11745 |
| 0400-0500 Spanish | 11740* | 0800-0900 Cantones | 7445 |
| 0600-0700 German | 9985* | 0800-1000 Amoy | 11860 11745 7130 |
| 0600-0700 Spanish | 5950* | 0900-1000 Cantones | 9690 6040 |
| 0600-0700 Thai | 15345 15270 | 0900-1100 Hakka | 15345 7285 |
| 0700-0800 Chinese | 11970 11842 7130 | 1000-1100 Cantones | 15270 11915 9690 9610 7285 6040 |
| 0700-0800 English | 5950* | 1000-1100 Mongolia | 11905 |
| 0700-0800 French | 7520* | 1000-1300 Amoy | 15345 11745 11550 7130 |
| 0800-0900 Indonesia | 11915 11550 7130 | 1100-1200 Cantones | 15270 9690 6040 |
| 0900-1000 Chinese | 11915 11745 11550 9610 7445 | 1100-1200 Hakka | 15345 11860 |
| 1100-1200 English | 7445 585 | 1100-1200 Tibetan | 11905 |
| 1100-1200 Indonesia | 11550 | 1200-1300 Cantones | 9690 6040 |
| 1100-1200 Japanese | 11745 7130 | 1200-1300 Uighur | 11905 |
| 1200-1300 Chinese | 15270 11745 | 1300-1400 Amoy | 11860 11745 7130 |
| 1200-1300 English | 9610 7130 | 1300-1400 Cantones | 15345 9765 9690 6040 |
| 1200-1300 Indonesia | 15345 | 1400-1500 Hakka | 15345 9765 |
| 1400-1500 Japanese | 11745 7130 | 1500-1600 Hakka | 9610 |
| 1400-1500 Thai | 15270 11680 | Central Broadcasting System/CBS News Network | |
| 1500-1600 Vietnamese | 15345 11745 | 0000-0200 Chinese | 11725 9610 7250 7105 |
| 1705-1800 Russian | 9955 | 0200-0300 Chinese | 11725 9610 7250 |
| 1800-1900 French | 17555 | 0300-0400 Chinese | 11725 9610 7250 |
| 1800-1900 German | 9955 | 0400-0500 Chinese | 11725 9610 |
| 1915-2000 Chinese | 9955 | 0500-0600 Chinese | 9610 |
| 2000-2100 Arabic | 11550 9630 | 0700-0900 Chinese | 11725 |
| 2000-2100 French | 15600* 9985* 9610 | 0900-1000 Chinese | 11725 |
| | | 1000-1400 Chinese | 11775 11725 9630 |

| | |
|-------------------|--|
| | 2750 6180 |
| 1400-1600 Chinese | 11775 11725 9690 9630 7250 6180 6040 |
| 1600-1700 Chinese | 11775 11725 9690 9630 7250 6180 |
| 1700-1900 Chinese | 11725 9690 7250 |
| 2200-0000 Chinese | 11725 9690 9610 7250 7105 6040 |

Central Broadcasting System/CBS Variety Network

| | |
|-------------------|--------------------------------|
| 0000-0100 Chinese | 15125 9280 |
| 0100-0200 Chinese | 15125 9280 |
| 0200-0300 Chinese | 15125 11970 9280 |
| 0300-0400 Chinese | 11970 9280 |
| 0400-0500 Chinese | 15320 11970 11775 9280 6180 |
| 0500-0800 Chinese | 15320 11970 11775 6180 |
| 0800-0900 Chinese | 15320 11970 6180 |
| 0900-1000 Chinese | 15320 15125 11970 6180 3335 |
| 1000-1300 Chinese | 15320 15125 7105 6185 3335 |
| 1300-1500 Chinese | 15320 15125 7105 3335 |
| 1500-1600 Chinese | 15320 15125 7105 6085 3335 |
| 1600-1800 Chinese | 15320 15125 7105 6085 3335 |
| 1800-1900 Chinese | 15320 7105 6085 3335 |
| 1900-2200 Chinese | 3335 |
| 2200-0000 Chinese | 15125 3335 |

Central Broadcasting System/Voice of Asia programs:

| | |
|--------------------|----------------|
| 0500-1100 Chinese | 7285 |
| 0700-1100 Chinese | 9280 |
| 1100-1200 English | 7445 900 585 |
| 1200-1300 Indonesi | 11860 7445 585 |
| 1300-1500 Chinese | 7445 585 |
| 1500-1600 Thai | 15270 7445 585 |
| 1600-1700 Indonesi | 11745 7445 585 |
| 2300-0000 Thai | 15270 7445 585 |

(BBCM)

CROATIA Hrvatska Radio observed tonight on 6165 // mediumwave with s/on at 2200, transmitter not properly tuned, as there was a het of some 50 Hz with the carrier from Lenk-SUI until it's shut down. So HRT obviously again uses it's Deanovec shortwave transmitters also at night.

This also explains the recently reported (Renato Brunl in DXW 129) HRT on 5039.95: It's just the usual mixing product

with the 1125 MW transmitter at Deanovec; likely you will remember the similar ones on 60 metres (49 metres frequency minus 1125 kHz) a while ago. (4-5-Sep/Ludwig-GER)

CZECH REPUBLIC/USA Radio Free Iraq (RFI) will be launched during the last week of October, Paul Goble, Director of Communications for Radio Free Europe / Radio Liberty (RFE/RL), has told CRW.

The "process of staffing is half-way there," he said Wednesday in a telephone interview with Nick Grace C. and RFI should have 12 journalists and broadcasters for "beta-version programming" by mid-October. A Director for the service was already appointed on September 9 and is Amb. David Newton, an expert on the Middle East and former U.S. ambassador to Iraq and Yemen.

A tentative schedule for the launch of RFL and the Persian-language service of RFE/RL will be added to the website on October 1. Listeners may access the site at <http://www.rferl.org>.

Radio Prague, however, reported Tuesday that "The Czech government has in fact yet to decide upon allowing the station to broadcast to Iraq..." Goble countered this report by stating "While there may be comments in the press, we've got the full support of the (Czech) government... RFI represents an expansion of our operations, and when something is new there will always be misunderstanding."

Although RFE/RL has been personally invited to begin the trans-missions to Iraq and Iran by Czech president Vaclav Havel, the newly-elected Social Democratic government is raising concerns over potential terrorist risks should Radio Free Iraq emanate from Czech soil. (16-Sep/Grace/Clandestine Radio Watch/Schoech-GER)

CLANDESTINE - MIDEAST Radio Freedom appears to share facilities with the Iraqi Communist Party station, voice of the Iraqi People. It identifies itself as "This is Radio Freedom, Voice of the Communist Party of Iraqi Kurdistan" (Kurdish: alra ezgaya azadiya, dangi hizbi shuyu'i kurdistani iraq). All times and frequencies are variable.

1600-1700 Kurdish 3890v
(BBCM)

Voice of the Iraqi People (Arabic: idha'at sawt al-sha'b al-iraqi, idha'at al-hizb al-shuyu'i al-'iraqi):

0300-0400 Arabic 4760v 3890v
1730-1830 Arabic 4760v 3890v
(BBCM)

Voice of the Iraqi Communist Workers' Party (Arabic: sawt al-hezbi al-shuyu'i al-ummali al-iraqi; Kurdish: aira dangi kizb-e cummunist-e kargar-e iraqi):
1630-1830 AA/Kurd 4000
(BBCM)

CONGO - DEMOCRATIC REPUBLIC Radio Candip is operated by the Higher Pedagogical Institute (Institut Supérieur Pédagogique, ISP) in Bunia. The station previously relayed news from RTNC in Kinshasa. However, since mid-August 1998, it has been under rebel control, and, although news is still announced as being from "RTNC" it is in fact pro-rebel.
0400-0700 FF/Swa 5066
1330-1800 FF/Swa 5066
(BBCM)

COSTA RICA Radio For Peace International sked:
0000-0800 6975 15050 21460U
0800-1200 15050 21460U
1200-1400 15050
1700-0000 15050 21460U
(direct/Review of International Broadcasting/Hauser-OK)

ECUADOR La Voz de Su Amigo, Esmeraldas, 4020 = 3 x 1340, Sept 15 at 0958 announcer talking over continuous music; 1001 zero-beat SSB net QRM for a few minutes in Spanish; 1007 answering a letter from Colombia, with family advice. Not the best morning, with static crashes, but good signal and audio has punch - you'd never guess it is a harmonic, and maybe deliberate. 1008 mentioned "Ciudad de Esmeraldas"; 1025 closing program with ID in passing, Esmeraldas addresses; 1028 time check and music. 1059 amid news with 6 am timecheck; 1100 "aqui en Esmeraldas," SSB QRM on high side (Hauser-OK)

EQUATORIAL GUINEA 5003.70, R. Africa, Malabo, Aug 31, 2120-2155, 43443, American E, Religious px, poor singing, ID, gave address as Box 851, Malabo. Also said

that it was on 7190 - not there. Also not // 6250 (31-Aug/Phillips-UK/DSWCI DX Window)

This is actually nothing new. Those with long memories may recall that I first reported this several years ago. I discovered the connection when the Chief Engineer of Radio Nacional sent me an update for WRTH which incorporated the technical facilities of Radio Africa. I had a somewhat acrimonious exchange of correspondence with Pan American Broadcasting in the USA (who sell airtime on this station to the religious broadcasters) who claimed the information was "wrong". When I told them who had sent it to me, they stopped complaining but insisted that Radio Africa had its own transmitter. The information I got from Radio Nacional clearly suggests the transmitters are interchangeable.

The appearance of Radio Africa programming on a domestic service frequency suggests that the technical operations are indeed integrated. This may have been a switching error, or the high frequency transmitter may have simply broken down. Equatorial Guinea is one of the world's poorest countries, and I suspect they did not want to lose revenue so decided to transmit the Radio Africa programming on their domestic frequency to honour their contractual obligations.

It's nice to have 'independent verification' of what I have believed to be the case for quite a while, but wasn't able to prove! (6-Sep/Sennitt-HOL/DSWCI DX Window)

ERITREA I heard all the three Eritrean clandestines on 9230 Sep 12th. It all started at 1500 with an unid on 9230. It must have been Voice of Democratic Eritrea. The programming was very typical the one from the others. Nice music played until 15.29.30, when a time-signal was heard and followed a new station at 15.30 identifying as "Huna Sawt Eritrea al-Hurrah" (Voice of Free Eritrea). At 1600 started the third station and ID-ed very good as "Sawt al Haqq" (= Voice of Truth). They had drums as an interval signal. Signal strength was about S 2-3, but faded a lot. It was better when music and it improved the later it got. Skeds:

Voice of Democratic Eritrea:
1500-1530 9230
Voice of Free Eritrea:

1530-1600 9230

Voice of Truth:

1600-1630 9230

(12-Sep/Fransson-SWE/Clandestine Radio Watch/Schoech-GER)

ETHIOPIA Radio Fana sked:

0330-0530 Amh/Oro 6940 6210

0530-0730 Amh/Oro 6940 6210 Sa/Su

0900-1100 Amh/Oro 6940 6210

1200-1500 Amh/Oro 6940 6210 Sa/Su

1500-1800 Amh/Oro 6940 6210

1800-2000 Amh/Oro 6940 6210 Mo-Fr

(BBCM)

FRENCH GUIANA RFI via Montsinery, English at 1200 Sep 8 not on 15 MHz any more, but 13625 only; 15515 had Spanish. (10-Sep/Hauser/World of Radio)

GABON Africa No 1 International, all programs in French:

0500-0700 9580

0700-1600 17630 9580

1600-2100 15475 9580

2100-2300 9580

(BBCM)

GERMANY High Adventure Ministries, broadcasting to Europe at 1800-2200 UTC from Julich Germany has made a slight change of frequency effective immediately. The new schedule is:

1800-1959 6015

2000-2159 6010

(60 second break at 1959-2000 for antenna switch). HAM continues to broadcast daily to South Asia from Julich Germany at 1330-1530 on 15715 KHz. (16-Sep/Darg-High Adventure Ministries/Review of International Broadcasting/Hauser-OK)

It seems that DTK Juelich is moving all OOB freqs inside the respective mb: Radio Asia Canada in Tamil 1800-2000 on Sat/Sun on add NF 17760 //15210.

Registrations:

17505 1800-1959 zone 9 295 degr Sat/Sun

1505-150598 RAC

17530 1800-1959 zone 9 295 degr Sat/Sun

2305-251098 RAC

5840 replaced by various freqs: AWR Bulg 0300-0400 6160. SRI in various EUR langs 0400-0630 6055. TWR Romanian 1600-1645 6110. RVI Dutch 1800-1900 6110.

Good News Hour In English 1300-1400 Sats

only 15385 SoAS. 2300-2400
Suns only 9640 SoAM.

Brother Stair TOM in English: 0000-0500 NoAM scheduled 9710 but not traced so far. 1400-1800 15755 ME, 1800-2000 3960 Fri-Sun only. (1-Sep/Panlview-BUL/BC-DX/Review of International Broadcasting/Hauser-OK)

DTK - Deutsche Telekom Juelich schedule, S98:

3960 1800-1959 TOM Fr/Sa/Su

3960 1800-2359 TOM Mo-Th

3960 2200-2359 TOM Fri/Sa/Su

5850 0600-2000 SUN

5890 1730-1759 UNL

5890 1800-1959 HAM Tu

5890 2100-2230 AWR

5900 1000-1500 DigTest Mo-Fr

5910 0900-0959 GNW Sa

5910 1800-1830 UNR Mo-Fr

5910 1800-1830 UNR Mo-Fr

5910 1800-1859 CHW Tu

5995 0500-0530 UNR Mo-Fr

6010 2000-2159 HAM

6015 1800-1959 HAM

6045 1030-1225 DW (RNW)

6055 0355-0630 SRI

6110 1600-1645 TWR

6110 1800-1859 DW (RVI)

6130 1600-1759 TOM

6160 0300-0400 AWR

6175 1800-1830 UNR Mo-Fr

7230 0800-0900 AWR Sa/Su

7310 2000-2159 HAM Tu

7415 1700-1730 RVI

9490 0000-0059 WRN

9490 1830-1859 UNL Su

9500 0000-0359 TOM

9535 0955-1230 SRI

9560 0000-0159 RAC

9640 2300-2359 GNW Su

9800 1800-1959 TOM

9825 1600-1659 AWR

9835 2000-2100 AWR

9835 2130-2200 AWR

9840 1825-2130 SRI

9855 0000-0100 LRT

9855 0100-0130 VOD Tu

9855 0100-0159 GNW Su

9855 0200-0359 RAC Mo-Fr

9855 0200-0459 RAC Sa/Su

9860 2000-2059 HRT

9885 0555-0815 SRI

9885 1725-1930 SRI

9925 0100-0259 HRT

9925 0300-0359 HRT

9925 1700-1759 AWR

| | | | | |
|-------|--|--------------|--|---------------------------------|
| 9925 | 2300-0059 | HRT | SUN | Sunrise Radio (England) |
| 11605 | 1700-1759 | GNW Sa | TOM | The Overcomer Ministry (Brother |
| 11660 | 0500-0530 | UNR Mo-Fr | Stalr) | |
| 11675 | 0600-0630 | UNR Mo-Fr | TWR | Trans World Radio |
| 11695 | 2000-2059 | LHL Su | UNL | Universelles Leben |
| 11725 | 1825-2130 | SRI | UNR | UN Radio |
| 11735 | 1900-1930 | UNR Mo-Fr | VOD | Voice of Deleverance |
| 11785 | 1800-1829 | UNL Su | V00 | Voice of Orthodox |
| 11810 | 1700-1759 | DW (RVI) | WCRI | West Coast Radio Ireland |
| 11830 | 1800-1830 | UNR Mo-Fr | WRN | World Radio Network (IBC Tamil |
| 11840 | 1600-1629 | UNL Su | Radio) | |
| 11860 | 0555-0815 | SRI | From Oct 12, UN-Radio will start via Juelich, live transmissions. (4-Sep/DTK Juelich/Volk-GER) | |
| 11875 | 1800-1859 | AWR Su/Tu/Th | | |
| 11885 | 0400-0430 | UNR Mo-Fr | | |
| 11900 | 1500-1559 | V00 Th | | |
| 11960 | 2200-2359 | RAC | GUYANA Not long ago I sent you some items which included a piece about Voice of Guyana on 3290 not being heard for some time. Well, it was back this morning 0300-0500 UTC with the most powerful signal I have ever heard from them. If they were off the air, or operating at reduced power for some reason, they certainly came back with a bang. (Bruce Barker) | |
| 12015 | 1630-1659 | UNL Sa | | |
| 12025 | 1300-1329 | UNL Su | | |
| 12055 | 1800-2059 | TOM | | |
| 12055 | 2100-0459 | TOM | | |
| 12075 | 1625-1815 | SRI | | |
| 12080 | 1600-1630 | RVI | | |
| 13635 | 1625-1815 | SRI | | |
| 13740 | 0700-0759 | GNW Su | | |
| 13800 | 1700-1730 | UNR Mo-Fr | | |
| 13810 | 0500-0929 | TOM | INDIA All India Radio heard in English from Sep 6: 1745-1945 on new 15200, not announced, //7410, 9650, 9950, 11620, 11935, 13780 and 15075. (Panlview-BUL/Bueschel-GER/Hauser-OK) | |
| 13820 | 0500-0559 | HRT | | |
| 13820 | 0600-0759 | HRT | | |
| 13820 | 0800-0859 | HRT | | |
| 15105 | 1600-1659 | GNW Sa | INDONESIA | |
| 15210 | 1800-1959 | RAC Sa/Su | 3174.3 | |
| 15245 | 2000-2159 | RAC | RPDT2 Halmahera Tengah. 1135-1145. Market report, slow music, after report over, piano music. Weak. (8-Aug/Schulze-PHL/Jembatan DX/Yamada-JPN) | |
| 15330 | 1245-1345 | DVB | 3231.8 | |
| 15385 | 1300-1359 | GNW Sa | RRI Bukittinggi. Mention of Bukittinggi at 1538. Local traditional play at 1542. SCI at 1558. Jakarta news relay at 1600. ID by male at 1605 as "...bersama kami Programa Satu, Radio Republik Indonesia Bukittinggi" then local traditional play again. Not relayed Jakarta news at 1700 and still heard the program after 1700. Maybe all night program. Poor. (29-Aug/Yamada-JPN/Jembatan DX) | |
| 15620 | 0800-0930 | AWR | 3344.3 | |
| 15620 | 1530-1600 | AWR | RRI Jambi (presumed). 1410-1501. Modern pop music, local native songs in dialect, 1435 presumed ID, again pop music, pause at 1443-1445, no SCI was given before Jakarta news relay at 1500. Weak. (8-Aug/Schulze-PHL/Jembatan DX/Yamada-JPN) | |
| 15625 | 1430-1559 | RTE Su | | |
| 15625 | 1430-1559 | RTE Su | | |
| 15635 | 1430-1455 | DVB | | |
| 15715 | 1325-1529 | HAM | | |
| 15755 | 1400-1759 | TOM | | |
| 17760 | 1800-1959 | RAC Sa/Su | | |
| 21670 | 1430-1559 | RTE Su | | |
| 21670 | 1430-1559 | RTE Su | | |
| AWR | Adventist World Radio | | | |
| CHW | Christliche Wissenschaft (Christian Science) | | | |
| DVB | Democratic Voice of Burma | | | |
| DW | Deutsche Welle | | | |
| GNW | Good News World Radio | | | |
| HAM | High Adventure Ministry | | | |
| HRT | Hrvatska Radiotelevizija Kroatien | | | |
| LHL | Lutherian Hour | | | |
| LRT | Radio Vilnius Litauen | | | |
| RAC | Radio Asia Canada | | | |
| RNW | Radio Nederland Wereldomroep | | | |
| RTE | Radio Televisi Eireann | | | |
| RVI | Radio Vlaanderen Int. | | | |
| SRI | Swiss Radio International | | | |

| | | | |
|--------|---|---------|--|
| 3385.0 | RRI Kupang. Local pops at 1445. SCI at 1458 then Jakarta news relay. Closing announcement with Love Ambon at 1512 and signed off at 1515. Fair. (6-Sep/Yamada-JPN/Jembatan DX) | 4696.90 | 4925, 9565, 9680, 15125 and 15150. But 3976.1 had own program. (8-Aug/Schulze-PHL/Jembatan DX/Yamada-JPN) |
| 3905.0 | RRI Banda Aceh. Reactivated, hrd today at 1232 w regional news and clear ID at 1237, not hrd just prior to 1200 and off at re-check at 1320. However, not on the air at all the next day Aug 26 (25-Aug/Werdin-IND/BC-DX/Jembatan DX/Yamada-JPN) | 4789.1 | RKIP Surabaya(p). 1215-1230. Male talks, gamelan music. Very weak. (6-Aug/Schulze-PHL/Jembatan DX/Yamada-JPN) |
| 3976.1 | RRI Pontianak. All night traditional drama (Not wayang kulit) at 1815. Not relayed Jakarta news on the hour. Still heard at 2100. Although today is not Saturday, the station had all night program. Other station was not found all night program. (10-Sep/Yamada-JPN/Jembatan DX) | 4845.2 | RRI Fak Fak (presumed). 1040-1102. Music with Arabic and Indian Influence, piano music, mention of Irian Jaya, no ID was given at 1100. Fading increase signal going down. Weak. (4-Aug/Schulze-PHL/Jembatan DX/Yamada-JPN) |
| 3985.7 | RRI Surabaya. 1120-1131. Talks, music with singer in Javanese dialect, 1130 ID by female, gamelan music with singers. Weak. (8-Aug/Schulze-PHL/Jembatan DX/Yamada-JPN) | 4874.82 | RRI Ambon. 1100-1136*. Local news, popular music, signed off without Love Ambon. Moderate. (2-Aug/Schulze-PHL/Jembatan DX/Yamada-JPN) |
| 4000.0 | RRI Padang. English pops at 1620. IS at 1629 then ID as "Radio Republik Indonesia Padang dengan Ikhtisar Berita Daerah" and followed to local news. Reading of Holy Koran at 1634. Local pops at 1649. At 1654 Love Ambon then signed off. Poor. (29-Aug/Yamada-JPN/Jembatan DX) | 4874.82 | RRI Sorong. Reactived from some absence. 1049-1102 music and talk by woman. Music at 1059 was not Rayuan Pulau Kelapa, and at 1100 announced "Radio Republik Indonesia Sorong Warta Berita" then news by woman. (Is it a local news?) At this time it was not being on 9742. And I checked again at 1230 on 4784.8, then did not broadcast. (2-Sep/Kanal-JPN/Japan Premium/Jembatan DX/Yamada-JPN) |
| 4000.2 | RRI Kendari. IS at 1129 then ID as "Radio Republik Indonesia Kendari dengan Berita..." and followed to local news. Local pops program at 1137. Poor. (23-Aug/Yamada-JPN/Jembatan DX) | 4874.9 | RRI Sorong. Local pops at 1155. ID by female at 1158 then SCI. Jakarta news relay at 1200 and signed of at 1215 without Love Ambon tune. The frequency is slightly upper than usual. Thanks information for Kanal. (5-Sep/Yamada-JPN/Jembatan DX) |
| 4003.2 | RRI Padang. IS at 1528. ID then local news at 1530. Local music at 1537. Yesterday also heard on 4003kHz instead of 4000.0kHz. Fair. (8-Sep/Yamada-JPN/Jembatan DX) | 4925.0 | RRI Jambi. 1135-. Local newsby female. time announcement, ID, popular music. Moderate. (11-Aug/Schulze-PHL/Jembatan DX/Yamada-JPN) |
| 4606.4 | RRI Serui. 1155-1201. Active again! Music from Papua New Guinea, 1158 ID by male, no SCI was given before Jakarta news relay at 1200. //3215, 3224.8, 3264.6, 3325, 3344.9, 3385, 3395.1, 3960.2, 3985.7, 4000.2, 4696.9, 4753.2, 4766, 4789, | 5040.0 | RRI Pekanbaru. 1230-1250. English program announced as "You are listening to Kang Guru on RRI", giving address of Denpasar. At 1250 ID as "...RRI Pekanbaru, Programa Satu...". Very strong. (4-Aug/Schulze-PHL/Jembatan DX/Yamada-JPN) |
| | | 5041.0 | RRI Pekanbaru. Heard at 1400. Talk by male and sometimes heard march and canned ID as |

- "Radio Republik Indonesia". Probably due to avoid the interference from AIR-Jeypore on 5040kHz, the station moved to this frequency. But returned to usual 5040kHz on the next day. (29-Aug/Yamada-JPN/Jembatan DX)
- 6153.36 RRI Biak, Biak, Irian Jaya, 1115 Sep 6, very tentative with echoey piano mx, plaintive male vocal, overwhelmed by slop from AWR-6150 by 1130. (6-Sep/Novello-NC)
- 6153.58 RRI Biak. Reactived from some absence. 1207-1310 poor to fair signal. Jakarta news relay till 1214 and 1300-1308. Otherwise was music program. At 1228 IS was heard. when I cheked on Sep 2, it was not broadcast. (5-Sep/Kanai-JPN/Jembatan DX/Yamada-JPN)
- 7173.2 RRI Serui(p). 0850-0905*. Popular music. dangdut music, no ID on the full hour, at 0905 short announcement, signed off without Love Ambon. Very weak. (5-Aug/Schulze-PHL/Jembatan DX/Yamada-JPN) Reading of Holy Koran at 0855. Islamic music at 0905. Dangdut music at 0919. IS from RRI Jayapura at 0929 and followed to Nusantara Lima news entitled "Warta Berita" relayed from RRI Jayapura. Suddenly signed off at 0936 and switched to 4606.4kHz. Fair. (15-Sep/Yamada-JPN/Jembatan DX)
- 9525.0 V.O.Indonesia, Cimanggis. Japanese program started at 1127 which was earlier than usual. At 1137 interview program entitled "Hito to Kurashi" which I talked with Rini, announcer of Japanese Section at the studio of the station on August 12. Good. (24-Aug/Yamada-JPN/Jembatan DX)
- 9552.6 RRI Ujung Pandang. At 0810 "Siaran Terpadu" from RRI Jakarata which was produced by RRI Ternate. ID by male at 0830 as "Radio Republik Indonesia Nusantara Empat Ujung Pandang" then local music. Suddenly signed off at 0848. (29-Aug/Yamada-JPN/Jembatan DX)
- 9614.2 RRI Samarinda. 0125-. popular music. 0134 ID. Moderate. (3-Aug/Schulze-PHL/Jembatan DX/Yamada-JPN)
- 9630.0 RRI Jakarta, Bonto Sunggu. At 2104 "Warta Berita". ID at 2106 as "Inilah Radio Republik Indonesia Jakarta, Program Nasional Satu" then wayang kulit. //4777.1kHz. 9565kHz was not found at this time. Maybe 9565kHz is not used in the local morning broadcast now. (10-Sep/Yamada-JPN/Jembatan DX)
- 9741.6v RRI Sorong. 1053-1101 & 1139-1152* Evening prayers to 1055, then male anncr. Startup of local IS ahead of 1100 quickly lost under slop of fanfare from BBC-9740, then man w/presumed local news at 1100. Retuned to talk by man & woman, Indo pops, fanfare at 1149 and talk from man again until carrier cut at 1152, instead of remaining on for 1200 Jak news. Weak-fair at best. Usually stable on 9741.63 but had drifted to 9741.67 as from 1139 retune. (17-Aug/Clark-ONT/Jembatan DX/Yamada-JPN)
- 9741.7 RRI Sorong (presumed). 2350-0015*. Popular music, relay of RRI Jakarta news, 0015 "Bagimu Negeri", Signed off. Moderate. (5-Aug/Schulze-PHL/Jembatan DX/Yamada-JPN)
- 11860.0 RRI Jakarta, Cimanggis. Signed on suddenly at 2149 then local music program. At 2158 ID of Program Nasional Satu by male then SCL. "Warta Berita" at 2200. Thanks information for Craig Tyson. According to him, 11860kHz operates until 0100, but R. Japan signed on before 0100 and covered RRI, so I can not confirm the exact sign off time. As 11860kHz and 15125kHz signs on at the same time on 15125kHz, the transmitter site on 11860kHz is apparently Cimanggis. (10-Sep/Yamada-JPN/Jembatan DX)
- RRI Pontianak on 3976.1kHz chanced the sign off time from 1605 to 1700 in August. RRI Bukittinggi on 3231.8kHz reactivated in the end of August.

According to my monitoring on August 28 - 29, RRI stations signed off as follows:

3215.0 RRI Manado -1515* with Love Ambon
 3264.6 RRI Gorontalo -1310* with Love Ambon
 3325.0 RRI Palangkaraya -1600* with Love Ambon
 3344.9 RRI Ternate -1515* with Love Ambon
 3355.3 RRI Jambi -1655*
 3976.1 RRI Pontianak -1700* with Love Ambon
 4000.0 RRI Padang -1655* with Love Ambon
 4606.4 RRI Serui -1515* with Love Ambon
 4753.3 RRI Ujung Pandang -1555* with Love Ambon
 4766.0 RRI Medan -1600* with Love Ambon
 4845.2 RRI Ambon -1130*
 5040.0 RRI Pekanbaru -1600* with Love Ambon
 7173.2 RRI Serui -0910*
 9552.6 RRI Ujung Pandang -0850*
 9741.6 RRI Sorong -1215*

Recently most RRI stations sign off with Love Ambon tune in the local evening broadcast.

RRI Ujung Pandang 4753kHz changed sign off time from 1605 to 1600. Love Ambon is heard before the ending.

RRI Merauke was heard on 810kHz staying at Jayapura, but still inactive on 3905kHz. RRI Sorong on 4874.9kHz reactivated in the beginning of September. The sign off time is around 1215 without Love Ambon. RRI Biak on 6153.6kHz reactivated in the beginning of September. The sign off time is 1530 with Love Ambon. The ending music of the Nusantara news of RRI Jayapura at 0930 was changed from "Satu Nusa Satu Bangsa" to "Garuda Pancasila". The first noted on September 15.

RRI Bengkulu on 3264.9kHz is now sign off at 1515 with Love Ambon tune. The ending music of RRI Jakarta news entitled "Ikhtisar Berita" at 1600 is now "Bagimu Neg'ri" by CHORUS (ex-instrumental "Bagimu Neg'ri"). (all vya Yamada-JPN/Jembatan DX)

Currently RRI Jakarta is moving between 11760 and 11860 for the 2200-1600 transmission. I think we may see Jakarta making a permanent move from 11760 to avoid VOA from 2200-0100. I see a possible skedule as 11860 2200-0100 & 11760 0100-

1600. Also more use is being made of 15150 for Programa Nasional; noted yesterday at 0930 // 15125. (1-Sep/Tyson-AUS/Jembatan DX/Yamada-JPN)

KOREA - NORTH Radio Pyongyang/Korean Central Broadcasting Station This schedule has been compiled from monitoring observations.

| | | | | |
|-----------|----------|-------|-------|-------|
| 0000-0100 | English | 15230 | 13650 | 11845 |
| 0000-0100 | Japanese | 9650 | 7580 | 3250 |
| 0000-0100 | Spanish | 15130 | 13760 | 11710 |
| | | | 11335 | |
| 0400-0500 | French | 13790 | 11710 | |
| 0400-0500 | Korean | 9345 | 7200 | |
| 0400-0500 | Spanish | 17735 | 15340 | 15180 |
| | | | 13650 | |
| 0500-0600 | English | 13790 | 11710 | |
| 0500-0600 | French | 17735 | 15340 | 15180 |
| | | | 13650 | |
| 0600-0700 | Korean | 17735 | 15340 | 15180 |
| | | | 13790 | 13650 |
| | | | 11710 | |
| 0700-0800 | Chinese | 9345 | 7200 | 6125 |
| 0700-0800 | Russian | 13790 | 11710 | 9975 |
| | | | 6575 | 3560 |
| 0700-1000 | Japanese | 9650 | 7580 | 6070 |
| | | | 3250 | |
| 0800-0900 | Korean | 9345 | 7200 | 6125 |
| | | | 4405 | |
| 0800-0900 | KK/RR | 13790 | 11710 | 9975 |
| | | | 6575 | 3560 |
| 0900-1000 | Chinese | 9345 | 7200 | 6125 |
| | | | 4405 | |
| 0900-1000 | Russian | 13790 | 11710 | 9975 |
| | | | 6575 | 3560 |
| 1100-1200 | Chinese | 9345 | 7200 | 4405 |
| 1100-1200 | English | 15230 | 13650 | 11335 |
| | | | 9975 | 3560 |
| 1100-1400 | Japanese | 7580 | 6520 | 6070 |
| | | | 3250 | |
| 1200-1300 | French | 15230 | 13650 | 11335 |
| | | | 9975 | 9640 |
| | | | 3560 | |
| 1200-1300 | Korean | 9345 | 7200 | 4405 |
| 1300-1400 | Chinese | 9345 | 7200 | 4405 |
| 1300-1400 | Spanish | 15230 | 13650 | 11335 |
| | | | 9975 | 9640 |
| | | | 3560 | |
| 1400-1500 | Korean | 15230 | 13650 | 11335 |
| | | | 9975 | 9640 |
| | | | 3560 | |
| 1500-1600 | Arabic | 9600 | 6520 | |
| 1500-1600 | English | 13650 | 11735 | 11335 |
| | | | 9975 | 9640 |
| | | | 3560 | |
| 1500-1600 | French | 9335 | 6575 | 4405 |
| 1600-1700 | Korean | 13650 | 11735 | 11335 |
| | | | 9975 | 9640 |
| | | | 9600 | |
| | | | 9335 | |
| 1700-1800 | Russian | 9325 | 7505 | 3560 |
| 1700-1800 | Spanish | 13760 | 11710 | 9335 |
| | | | 6575 | 4405 |
| 1800-1900 | Arabic | 9975 | 9600 | 6520 |

| | | |
|-----------|-----------------|--|
| 1800-1900 | English | 13760 11710 9335 6575 4405 |
| 1800-1900 | German | 9325 7505 3560 |
| 1900-2000 | English | 9975 9600 6520 |
| 1900-2000 | Russian | 9325 3560 |
| 1900-2000 | Spanish | 13760 11710 9335 6575 |
| 2000-2100 | Arabic | 9975 9600 6520 |
| 2000-2100 | French | 13760 11710 9335 6575 4405 |
| 2000-2200 | German | 9325 3960-(from 2100) 3560-(to 2100) |
| 2100-2200 | English | 13760 11710 9335 6575 4405 |
| 2100-2200 | French | 9975 9600 6520 |
| 2200-2300 | Korean | 13760 11710 9335 6575 |
| 2300-0000 | English | 15130 13760 11335 |
| 2300-0000 | Japanese | 9650 7580 3250 |
| 2300-0000 | Spanish | 15230 13650 11845 3560 6575 6520 4405 3560 |
| 1700-1800 | KK/RR (BBCM) | 9975 9600 6520 |

4120.10, Voice of National Salvation, 1050
Aug 27 with woman harangue // 4450.
Latter frequency still heard 1145 with light
MOR mx. (27-Aug/Novello-NC)

KUWAIT Radio Kuwait :

| | | |
|-----------|------------------|---------------------------------------|
| 0000-0200 | Arabic | 11675 |
| 0200-0400 | Arabic | 15495 11675 6055 |
| 0400-0445 | Arabic | 15505 15495 11675 6055 |
| 0445-0530 | Arabic | 15505 15495 15110 11675 6055 |
| 0530-0900 | Arabic | 15505 15495 15110 6055 |
| 0900-0930 | Arabic | 17885 15505 15495 15110 13620 6055 |
| 0930-1305 | Arabic | 17885 15505 15495 13620 6055 |
| 1305-1505 | Arabic | 17885 15505 15110 13620 9880 |
| 1505-1605 | Arabic | 15505 15110 13620 9880 |
| 1605-1615 | Arabic | 15505 15110 9880 |
| 1615-1730 | Arabic | 15505 15110 11990 9880 |
| 1730-1740 | Arabic | 15505 11990 9880 |
| 1740-1800 | Arabic | 11990 9880 |
| 1800-2100 | English | 11990 |
| 1800-2300 | Arabic | 15505 15495 9880- (to 2130) 9855 |
| 2300-0000 | Arabic (BBCM) | 15495 9855 |

LEBANON Email from Gary Hull, station manager at Voice of Hope, Lebanon, says the station has increased power from 7 to 17 kW as a test to determine if there is an increased audience response and if it is worth the higher electricity bills. He also says reception reports should be sent to the office in Metullah, Israel. The Limassol, Cyprus address mentioned on the air is for Muslim listeners who do not want to write to Israel. (Bruce Barker)

MADAGASCAR Adventist World Radio has a new 50 kW transmitter at Talata Volondry, replacing the old 7.5 kW unit. Programming in French and Malagasy continues to air on 3215 kHz. Reception reports on the broadcast of AWR programming over this new transmitter would be appreciated and should be addressed to Adventist World Radio at Box 383, Forli 47100, Italy (Peterson/AWR Wavescan/Review of International Broadcasting/Hauser-OK)

MARIANA ISLANDS Far East Broadcasting Co (KFBS) Salpan:

| | | |
|-----------|-----------|---------------------|
| 0800-0830 | Banjar | 15380 |
| 0830-0900 | Gorontalo | 15380 |
| 0855-1100 | Russian | 11650 |
| 0900-0930 | Makasar | 15380 |
| 0930-1000 | Bugis | 15380 |
| 0955-1600 | Chinese | 9495 |
| 1000-1030 | Sundanese | 15380 |
| 1030-1100 | Javanese | 15380 |
| 1100-1115 | Mongolia | 11650 |
| 1100-1230 | Indonesi | 15380 |
| 1115-1130 | Mongolia | 11650 |
| 1130-1145 | Russian | 11650 Mo-Sa |
| 1130-1145 | Ukrainia | 11650 Sa |
| 1145-1400 | Russian | 11650 |
| 1230-1300 | Malay | 15380 |
| 1300-1400 | Vietname | 9670 |
| 1400-1430 | Hmong | 9670 We |
| 1400-1430 | Koho | 9670 Sa |
| 1400-1430 | Vietname | 9670 Mo/Tu/Th/Fr/Sa |
| 1400-1530 | Russian | 9465 |
| 1430-1530 | Burmese | 9670 |
| 1530-1545 | Kyrgyz | 9465 Fr/Sa |
| 1530-1545 | Russian | 9465 Su/Tu/We |
| 1530-1545 | Uzbek | 9465 Th |
| 1530-1600 | Ukrainia | 9465 Mo |
| 1545-1600 | German | 9465 Tu/We |
| 1545-1600 | Kazakh | 9465 Fr/Sa |
| 1545-1600 | Osetin | 9465 Th |
| 1545-1600 | Russian | 9465 Su |
| 1600-1615 | Uighur | 9495 |
| 1600-1800 | Russian | 9465 |
| 1615-1630 | Kazakh | 9495 Tu/We |
| 1615-1630 | Kyrgyz | 9495 Th/Fr |

1615-1630 Osetin 9495 Mo
 1615-1630 Uzbek 9495 Sa/Su
 1800-1830 Russian 9465 Sa-Th
 1800-1830 Ukraine 9465 Fr
 1830-1845 German 9465 Su
 1830-1845 Russian 9465 Tu/Th/Sa
 1830-1845 Ukraine 9465 Fr
 1830-1900 English 9465 We
 1830-1900 Romania 9465 Mo
 1845-1900 German 9465 Su/Fr
 1845-1900 Russian 9465 Th
 1845-1900 Ukraine 9465 Tu/SA
 (BBCM)

MOLDOVA 7519.94, R Moldova, 2035 Sep 12, pretty good signal with background hash not quite as severe as usual. Female announcer wrapping up news about 2037, then some kind of narrative by same announcer talking over a man speaking French. Said goodbye 2054, some instrumental mx, and off 2055. Back with Spanish program, and xmtr problems, just after 2100. (12-Sep/Novello-NC)

NEPAL 5005.02, R Nepal, *0015 Aug 28, test tone from at least 0008, followed by melodic IS, clock chimes, and woman with signon routine. Huge S8 signal in wide splash from R Rebelde-5025. (28-Aug/Novello-NC)

NORWAY Radio Norway will drop its weekly half-hour English service. Friday I spoke to Andrew Glass of Radio Norway's English service to confirm a report I read in Radio Sweden's MediaScan. The last Radio Norway English broadcast will be Sunday, September 27. The decision of the management of NRK, Norway's public broadcaster, was handed down quickly this week to Radio Norway's five English broadcasters. The service, which has been on the air since 1952, costs about \$66,000 a year, in addition to the salaries of its non-freelance employees. NRK management decided that Norwegian television license-payers should not have to support an international English radio service. The Radio Norway English service cited a large number of letters and E-mails attesting to its effectiveness (19-Sep/Elliott/VOA Communications World/Review of International Broadcasting/Hauser-OK)

Here are the scheduled times best audible in NAM: Sun 1300 15640, 1600 15340, 1800 15705, 2300 13805, Mon 0200 11990, 0400 9945 (Grishin/World English

Survey/DX Ontario/Review of International Broadcasting/Hauser-OK)

PAKISTAN R. Pakistan at 1330-1530 Urdu WS and 1600-1630 English sce noted on 15169.1 seemingly via Karachi, observed bcng improved audio quality, former buzzy signal is off now. //15465.08 Islamabad (x9650). At 0840 Urdu WS on 15534.06 & 17835.12. At 0200-0215 Urdu nx on 11975.13 and 15486.03. English service via Islamabad 50 kW unit on 13609.15 at 0230, plus //same as 0200. (10-12-Sep/Bueschel-GER/Review of International Broadcasting/Hauser-OK)

PERU

4755.0 R. Tarma, Tarma, 8/09 1030-1045 advs Bayer el mejor insecticida advs político por la alcaldía de Tarma ID "Como siempre por su Radio Tarma, dese la perla de los andes.." (Arrunategui-PRU/Chasqui DX)

4790.0 R. Atlantida, Iquitos, 8/09 1046-1205 advs político ID "Atentos a la hora, 6 minutos para las 6 de la mananam, en Radio Atlantida, la fabulosa" px el madrugador. (Arrunategui-PRU/Chasqui DX)

4823.6 Ten. R. Sicuani, Sicuani; 2/09 0245-0310 advs mxf en castellano y quechua s las 0307 s/off, no indican nada y de frente tocan el himno nacional (Arrunategui-PRU/Chasqui DX)

4824.4 R. La Voz de la Selva, 10/09 1100-1120 px Contacto directo ID "Buenos días amigos, como siempre a traves de Radio La Voz de la Selva" nx advs. (Arrunategui-PRU/Chasqui DX)

4855.6 R. La Hora, Cusco; 3/09 1048-1110 ID "Ya son las 5 y 50 de la mañana en Radio La Hora" mxf ID "La buena musica siempre por Radio La Hora hablan en espanol y quechua px Primera Informacion nx (Arrunategui-PRU/Chasqui DX)

4886.7 R. Virgen del Carmen, Huancavelica; 3/09 1112-1140 ID RVC, Radio Virgen del Calmen" mxf advs Gran festival folklórico ID "Transmite, RVC, Radio Virgen del Carmen, transmitiendo desde Huancavelica..." px Actualidad Agraria. (Arrunategui-PRU/Chasqui DX) Noted at 1100-

- 1105 weak sig nal, on 29/AUG/98. Mentioned shortly "Sintoniza Radio Virgen del Carmen ..." I wonder that the broadcasting enterprise "Emisoras Cruz del Peru" sold the station to another institution, or they changed the station character. When the station identified itself as Radio Villa Rica, the station has operated on 4885kHz, 1580kHz and 105.3MHz stereo according to the station identification. I will write the station history and some technical information in the next LA DXing of RNM. (TIN-JPN/Relampago DX)
- 4904.8 R. La Oroya, 1/09 2312-2330 ID "Amigos muy buenas tardes, esta Ud. en la frecuencia de Radio La Oroya" mxf huayno ID "Lo escuchamos a traves de Radio la Oroya" (Arrunategui-PRU/Chasqui DX)
- 4935.0 R. Tropical, Tarapoto, 8/09 1208-1235 px el matutino de Radio Tropical nx y advs ID "Por Radio Tropical desde Tarapoto" nx. (Arrunategui-PRU/Chasqui DX)
- 4950.0 R. Madre de Dios, Madre de Dios; 1/09 2312-2330 ID "Por nuestra Radio Madre de Dios" px noticlero Cenco advs farmacia de turno Leon Velarde. (Arrunategui-PRU/Chasqui DX)
- 4964.7 R. San Miguel, Cusco; 2/09 1102-1130 px El cronista nacional nx y advs político para las elecciones municipales ID "Radio San Miguel" (Arrunategui-PRU/Chasqui DX)
- 4975.15 R. del Pacífico, Lima, 0215 Sep 19, man with palabra de dios lecture, ID'ed by // 9674.76. Considerably stronger signal than usual tonight on the 60m frequency. (18-Sep/Novello-NC)
- 4995.6 R. Andina, Huancayo; 2/09 1132-1150 ID "A nivel nacional, transmite Radio Andina, desde Huancayo" px Cruzada, con Luis Miguel Palao px religioso. (Arrunategui-PRU/Chasqui DX)
- 5018.6 R. Horizonte, Chachapoyas 19/09 2330-0000 advs político ID "Por Radio Horizonte" advs aproveche la llegada de este clavidente a la ciudad de Chachapoyas" mx advs (Arrunategui-PRU/Chasqui DX)
- 5025.0 R. Quillabamba, Quillabamba, 10/09 1122-1145 px el noticlero estelar ID "Por aquí, como siempre por Radio Quillabamba" advs. (Arrunategui-PRU/Chasqui DX)
- 5305.0 R. Inmaculada, Santa Cruz; 2/09 2350-0015 mxf ID "Por Radio Inmaculada" mxf carnaval cajamarquino advs ID "Somos la Radio con mayor alcance internacional, recuerda estamos en saludos y mensajes por Radio Inmaculada". (Arrunategui-PRU/Chasqui DX)
- 5461.2 R. Bolívar, Bolívar, La Libertad, 19/09 0036-0130 px avisos y comunicados advs político de nuestra provincia de Bolívar, mxf advs telefonica Bolívar le comunica mejor. ID "Radio Bolívar desde la provincia de Bolívar, La libertad" ID "Por Bolívar radio" mx. (Arrunategui-PRU/Chasqui DX)
- 5677.98 Radio Ilucan, Cutervo; 1001-1043 fair signal on 29/AUG/98. px "Peru Pr ofundo". (TIN-JPN/Relampago DX)
- 5949.32 UNID; was noticed again at 1142-1200(f/out) on 29/AUG/98. still no ID. Don't confuse with Emisoras Pio XII on 5952.55kHz. (TIN-JPN/Relampago DX)
- 6045.3 R. San Rosa, Lima; 2/09 0315-0340 advs sobre pinturas ID "Oyente de Radio Santa Rosa..." mxf cajamarquina. (Arrunategui-PRU/Chasqui DX)
- 6115.0 R. Union, Lima; 2/09 0020-0045 px Peru Agrario presentado por el Ministerio de Agricultura Id Por Union la Radio..." advs. mx criolla. (Arrunategui-PRU/Chasqui DX)
- 6250.0 R. La Voz de Andahuaylas; 1/09 0140-0200 advs Casa Sandoval ID "10 para las 9 de la noche, a traves de La Voz de Andahuaylas" mxf (Arrunategui-PRU/Chasqui DX)
- 6339.69 R. Arcangel San Miguel, San Miguel de Pallaques, Cajamarca, 0055 Aug 25, with pretty p1pe mx, tropical stuff, and promos by female anncr, many tnx to

Klemetz for tip; QRN made ID all but impossible. Again 0145 Aug 29 with echoey female vocal Andean mx, interjections by male DJ; 0158 ID "Arcangel San Miguel La Radio", frequencies, and into disco version of "Take Your Time Do It Right", opening program of dance and techno mx. (25-Aug/Novello-NC)

6618.16 R. Nueva Sensacion, 0130 Sep 7, strong signal with some adjacent SSB QRM, with female announcer and "la musica Perunissima", one played from a particularly off-center record or wobbly tape. A few IDs in passing, but nothing formal; numerous TCs, all four minutes slow. So new frequency for the Chiclayo station on 4390v last year? Thanks once again to Henrik Klemetz this evening, and also Dave Valko earlier in the day, for alerting me to this one. (7-Sep/Novello-NC)

6618.7 R. Super Sesacion, Huancabamba; 16/09 0002-0054 mxf huayno advs politico por la alcaldia de Huancabamba ID "Emilio Carrasco Moreno, director de Radio Super Sesacion de Huancabamba" mx ID "Gracias por la preferencia de la Super nueva Sensacion" mx ID "La Super Sensacion de Huancabamba". (Arrunategui-PRU/Chasqui DX)

6725.54 Radio Satelite, Santa Cruz; was noted at 1104-1133 on 12/SEP/98. fair signal. The morning folklore px is currently entitled as "Amanecer Campesino". YL announcer said "6 de la manana, 6 de la manana con 23 minutos en la Radio Satelite. Radio Satelite presentando su programa AMANECER CAMPESINO." (TIN-JPN/Relampago DX)

6797.68 Radio Ondas del Rio Mayo, Nueva Cajamarca; was noted again here on 12/ SEP/98. px "El Madrugador". Thanks to a tip from Dave Valko, I also noted the reactivation of this alternative shortwave channel. Since I reported in LA DXI ng No.7, Radio Ondas del Rio Mayo has two shortwave transmitters:

6803kHz (or 6811VkHz) is equipped with "Hiwatt" brand transmitter (0.25kW) & a 1/2 wave "d i-building" antenna (15 meters high above the ground); 6797VkHz is equipped with "Petrick" TXR-1000 model transmitter (1kW) which had formerly been used by Radio Moyobamba (5015kHz) & a 1/2 wave dipole antenna (21 meters high above the ground). It was also observed at 1101-1119 with fair signal on 13/SEP/98. (TIN-JPN/Relampago DX)

6797.69 R. Ondas del Rio Mayo, Nueva Cajamarca, San Martin, 0015 Sep 4, Andean acoustic guitar band mx with male vocals, back on last year's frequency, ex-6811.3v. Nice signal in QRN. (4-Sep/Novello-NC)

7745.96 Radio Cristal, San Hilarion; 1111-1138 poor on 29/AUG/98. Chicha and huaynos. (TIN-JPN/Relampago DX)

9674.82 Radio del Pacifico (p), Lima; 2122-2130 weak signal on 05/SEP/98. OM t alk in SS. (TIN-JPN/Relampago DX)

PORTUGAL Special freqs of RDP International in Portuguese to Democratic Rep. of Congo, due to the difficult political situation there: 0555-1855 15285

1855-0555 11925 also from 2300-0330 to North America, new 9520 (ex-9765). (1-Sep/PanIview/Bueschel-GER/Review of International Broadcasting/Hauser-OK)

RUSSIA Voice of Russia was scheduled to move from 11675 to 7350 on Sept 6, according to their web site. I haven't verified it yet, though. (8-Sep/Grishin-CAN/Review of International Broadcasting/Hauser-OK)

SAINT HELENA Don't forget the once-a-year opportunity to hear Radio St. Helena on 11095.5 USB. This year it is on Saturday Oct 24th, 1900-2300 UTC. The URL for the St. Helena Radio Day is: <http://www.sthelena.se/radiosth.htm> (18-Sep/Michigan Area Radio Enthusiasts Tipsheet/Review of International Broadcasting/Hauser-OK)

SOLOMON ISLANDS 5019.98, SIBS, Honiara,

1135 Aug 27, M anncr in local language with Fleetwood Mac, local cover of Abba's "S.O.S.", and mentions of "all-night service." Which it really isn't, because signoff routine read by woman at 1158, slow anthem, and off 1200*. Good signal. (27-Aug/Novello-NC)

SOMALIA A new transmitter for Radio Hargelsa was inaugurated 14th September and replaces the old one. Muhammad Ibrahim Egal, the president of Somaliland, officiated at the ceremony to inaugurate the transmitter. It has been said that the reception range of this new transmitter covers the Gulf states and African countries. Meanwhile, the Canadian government has announced that it would soon donate a new studio to the radio station. (15-Sep/Mogadishu Times/BBCM)

SWITZERLAND At the end of October SRI is closing down the omnidirectional [Lenk] European service on 6165 kHz leaving only the directional transmitter at Sottens in operation. They expect spillover from that and other SRI directional services to provide shortwave coverage in Switzerland and in Europe, but they are counting on the popularity and efficiency of the Astra and Eutelsat Hotbird satellite to fill the gap in Europe. (BBCM/Review of International Broadcasting/Hauser-OK)

THAILAND Notice from R. Thailand says it is sharing 7260 with VOA. Thailand uses the freq 1100-1115 for a Vietnamese program and from 1115-1130 for Khmer. The R. Thailand id announcement at 1100 identifies the freq as 7285, not 7260. But 7285 is silent. I observe VOA taking over 7260 at 1130 with EG id, "Yankee" and into Indonesian. (Bruce Barker)

UKRAINE Radio Ukraine International have left their summer freqs of 9550 & 12040. The only freq I could find them on at UT 0000 Sept. 8 was 7180, which is Voice of Russia's evening freq for NAM. Ukraine continued on 7180 at UT 0100 in Ukrainian. I could not locate a freq for VOR in English at 0100 (8-Sep/Grishin-ONT//Review of International Broadcasting/Hauser-OK)

USA KNLS Anchor Point, Alaska Schedule effective 27-September-98 till 28-March-99
0800-0900 English 7365
0900-1000 Russian 7365

1000-1100 Mandarin 7365
1100-1200 Russian 6150
1200-1300 Mandarin 7365
1300-1400 English 7365
1400-1700 Mandarin 7355
1700-1800 Russian 7355
(MARE Tipsheet Sept 18)

WBCQ The Planet, Monticello, Maine: 2200-0600 English 7415 (BBCM) WBCQ signed on 9/8/98 at 8 pm EDT. The signal was well received in all parts of North America, as well as Europe, with several reports coming from Germany. In spite of some transmitter components heating up, thereby causing power to be reduced to 15 kW, the station has enjoyed a trouble-free week of operation. Power should be increased to 50 kW in the next few days. Allan Weiner, president of WBCQ, stated that "the station has exceeded all expectations, the antenna system went together without a hitch, and has provided a perfect match to the transmitter. Reception reports have confirmed that the antenna is working perfectly despite our temporary low power. Without this antenna we could not have built this station. It was like taking the other guys' antenna bids and dropping the last zero from their figures. Everyone has been so supportive on this project. I still have to pinch myself to see if I am dreaming, or if this is for real."

From our part, we are proud to be a part of this project and introduce this new antenna to the SW community. This antenna with its low cost and superior performance should enable those that previously could not afford to build a shortwave station to now do so. We certainly are looking for a breath of fresh air on shortwave, which WBCQ seems certain to provide. For more info, contact us at (319) 472-5102 voice or fax. (15-Sep/John L. Gorski & Associates Consultants-Vinton IA//Review of International Broadcasting/Hauser-OK)

I heard WWBS Macon GA testing; Sept 15 at 2349 checked 11910 again and this time there was a strong carrier, no modulation except for a whine. Subaudible heterodyne erupted at 2356 when Budapest carrier came on, but overlap was only two minutes as WWBS went off at 2358* almost as if they knew Budapest was there. (15-Sep/Hauser-OK)

Here are the formats used (at 0700 UTC) on

the three AFN/AFRTS frequencies (all in SSB mode) via Key West, FL:
4278.5-Contemporary/rock
6458.5-News/Talk
12689.5-Country These frequencies may run other formats at other times. (8-Sep/Bueneman-MO)

The Voice of America Mandarin Service has dropped its transmission at 0400-0500. This was the only hour of the day that when VOA and Radio Free Asia were transmitting simultaneously. (VOA/BBCM)

Radio Democracy for Africa (RDA), a Voice of America project to create a surrogate radio operation throughout Africa to promote democracy and human rights, will hit the air within two to six months, U.S. government sources have told CRW.

House Resolution 415, written by representatives Ed Royce (D-CA) and Robert Menendez (D-NJ) and which authorizes the establishment of such a surrogate radio under the Voice of America, was passed unanimously on Monday, September 14. The bill, along with comments by members of the House, can be read at:

<http://thomas.loc.gov/cgi-bin/query/z?r105:H14SE8-254>:

The service's final obstacle remains its budget, which will be passed for the FY99 - that is, next year. "Congress is very enthusiastic about RDA." CRW was told "so there won't be a problem if we move funds around after October first."

U.S. Information Agency (USIA) spokeswoman Mary Ellen Glynn says that the personnel and resources are already in place for Hausa and French-language broadcasts. The "smaller ones will take time" to prepare for. She also noted that the VOA has stepped up its transmissions to Africa, broadcasting now in 10 languages over 87.5 hours a week.

Radio Democracy for Africa, if funding is indeed moved around, should therefore begin broadcasting by the end of the year. (16-Sep/Grace/Clandestine Radio Watch/Schoech-GER)

BANDSCAN FROM ALASKA Here are the results of my Band Scanning of Indian, PNG and Indonesian stations while on my one

man DX-pedition up north.

INDIA - At this time of year and on good days, there is generally about a two hour opening to India that runs from around 1500 to 1700 UTC. I tried to hit this on three separate days to see what I could come up with. Mostly I was looking for some new material for reception reports because I'm really tired of my only India action being sending more rounds of follow-ups to Chennai and Itanagar, knowing full well that they look at them, laugh, and give them the deep six!

What I did here was list everything shown in the '98 WRTH and then list what was heard at 1530 when the "News At Nine" is presented. After that stations started dropping off and I wasn't able to keep track of who was left.

| | |
|------|--|
| 3223 | SHIMLA //News @ 9, faint but audible |
| 3245 | LUCKNOW //News @ 9, faint but audible |
| 3305 | RANCHI Not heard |
| 3315 | BHOPAL //News @ 9, strong signal |
| 3345 | JAIPUR //News @ 9, faint but audible |
| 3355 | KURESONG Not heard |
| 3365 | DELHI Not heard |
| 3390 | GANGTOK Chinese station on freq., can't draw conclusion |
| 4760 | PORT BLAIR //News @ 9, strong signal |
| 4775 | IMPHAL //News @ 9, good signal |
| 4800 | HYDERABAD //News @ 9, good signal |
| 4820 | CALCUTTA //News @ 9, extremely strong signal |
| 4840 | MUMBAI Definitely AIR but not // for News @ 9, good signal |
| 4850 | KOHIMA Chinese station on freq., can't draw conclusion |
| 4860 | DELHI Definitely AIR but not // for News @ 9, also not //4840, good signal |
| 4880 | LUCKNOW Russian station on freq., can't draw conclusion |
| 4895 | KURESONG //News @ 9, good signal |
| 4910 | JAIPUR Not heard |
| 4920 | CHENNAI //News @ 9, extremely strong signal |
| 4930 | SHIMLA //News @ 9, good signal |
| 4940 | GUWAHATI Logging details incomplete, can't draw conclusion |

4950 SRINAGAR //News @ 9, good signal
 4970 SHILLONG //News @ 9, good signal
 4990 ITANAGAR //News @ 9, very good signal
 5010 THIRUVANANTHAPURAM Not heard at 1530, heard weakly at other times, not sure why. This was fairly good last week at different QTH.
 5040 JEYPORE //News @ 9, extremely strong signal
 5050 AIZAWL Possibly audible under very strong Chinese station on freq., can't draw conclusion.

PNG - PNG stations generally started showing up around 0800 UTC and tended to come and go up til their respective sign/off times. This corresponds to when I should be fast asleep so I only really devoted one night to this. The format is slightly different than that for India since I wasn't aware of any universality // situation for comparison purposes. Most ID's were obvious because of frequency, programming and language. Scanning and repeated checking occurred between 0800 and about 1030 UTC. Time in () indicate when best heard.

2410 ENGA faint but distinctive w/island music (1007)
 3205 WEST SEPIK (SANDAUN) man/woman in Pidgin, good signal (1005)
 3220 MOROBE talks, music, animated reading, interesting seagull cry and conch horn used as station theme ID periodically, good signal (0925)
 3235 WEST NEW BRITAIN chorus singing island music, good signal (0820)
 3245 GULF not heard
 3260 MADANG island chanting, good signal (1010)
 3275 SOUTHERN HIGHLANDS not heard
 3290 CENTRAL not heard
 3305 WESTERN not heard
 3315 MANUS island music, singing, good signal (0824)
 3325 NORTH SOLOMONS man talking in pidgin, good signal (0825)
 3335 EAST SEPIK man in pidgin, chorus singing, good signal (1014)
 3345 NORTHERN woman in pidgin, good signal (1015)
 3355 SIMBU not heard

3365 MILNE BAY not heard, frequency covered by ute
 3375 WESTERN HIGHLANDS not heard
 3385 EAST NEW BRITAIN "Gospel Light Hour" and religious sounding music, man/woman singing, woman in EG, later man in Pidgin, very good signal (0830)
 3395 EASTERN HIGHLANDS man in Pidgin, good signal (0916)
 3905 NEW IRELAND man in Pidgin, very good signal (0833)

INDONESIA - Indo stations seemed to start showing up later than PNG and most hung around until sun-up, around 1700 UTC. I tried to keep an ear open for these while trying to nail down the Indians. This is not comprehensive but only what I happened across. The Indo language is pretty distinctive, as often are their frequencies, and their music can be some of the weirdest in the world. Sometimes I heard an RRI ID, the SCI, or made an educated assumption based on experience. My confidence level in the ID's is pretty high.

3231.8 BUKITTINGGI man w/talk, fair signal (1340)
 3325 PALANG KARAYA Indo vocals, good signal (1330)
 3344.9 TERNATE Indo vocals, fair signal (1335)
 3395.1 TANJUNG KARANG nice Indo music w/woman singing, good signal (1439)
 3976 PONTIANAK man w/talk in Indo, very strong signal (1450)
 4003.2 PADANG woman w/talk in Indo, good signal (1455)
 4753 UJUNG PANDANG seemingly always present, best Indo by far
 4777.1 JAKARTA Indo pop, heavy QRM but good signal (1440)
 4925 JAMBI pop/country music, good signal (1353)
 5040 PEKANBARU RRI ID at hour, Indo music, good signal (1400)
 (Ed Tilbury-AK)

Pirate Radio Report

Chris Lobdell

P.O. Box 146
Stoneham, MA 02180-0146
Internet: clobdell@mediaone.net

Hi, and welcome to the October edition of the **PIRATE RADIO REPORT!** Winter conditions are setting in which means less noise and the sunspots are arising which means this should be the best pirate DX season since 1992. Let's hope so!

Happy Halloween!

The Halloween holiday has always been an active one for pirates and this year it falls on a Saturday, so expect 6955 kHz to be active throughout the afternoon and evening on October 31st. Will *Radio Halloween* make it's annual appearance? We'll just have to wait and see. Be sure to send in your Halloween logs which will appear in the December PPR.

The FRN Pirate CD

Kirk Trummel, one of the fine folks at the **FREE RADIO NETWORK**, [www.frn.net] has recently made available volume one. The CD is in a MPEG3 Audio format [.mp3] which allows for over 30 hours of audio on one CD. Volume One contains programs from over 35 pirates. The cost is US \$20.00. Minimum requirements are a Pentium 90 CPU. For more info, you can email Kirk Trummel at [PirateCD@frn.net].

I bought my own copy and I'm very pleased with it. It comes with a player from Winamp [www.winamp.com] which plays the .mp3 format without a hitch!

Loggings...

Lots of good loggings this month, so before I forget, I'd like to thank the following folks who sent them in. Pete Costello-NJ, Fred Kohlbrenner-PA, George Maroti-NY, Eddie Muro-NY, Patrick Van Loo-DC, and Bill Wilkins-MO. And if the frequency isn't mentioned, it's 6955 kHz.

MYSTERY RADIO is known for doing instrumental versions of popular rock songs.

They were heard on August 24th at 0330 UTC doing '70s rock covers. [Van Loo-DC]

VOICE OF LARYNGITUS is a station that dates back into the '80s. They were heard with a new program dealing with aliens. Eddie Muro heard 'em on September 6th at 1409 UTC. Maildrop address is Box 1, Belfast, NY 14711. [Muro-NY]

VOICE OF THE PIG'S EAR, is a new one that popped up over the summer. This was heard on August 11th at 0312 UTC on the usual 6955 kHz USB. The station which describes its programming as "lunatic fringe radio" was ranting about George Bush's New World Order. [Wilkins-MO]

VOICE OF THE RAVING LUNATIC, was noted on August 30th at 0318 UTC. The Manic Maniac was playing 80's pop music, didn't announce an address and said he doesn't like reception reports. [Wilkins-MO]

YELLOW SUBMARINE RADIO, is a Europirate that was relayed by the SWRS [Shortwave Relay Service], a pirate in Southern Europe. They were heard on 11470 kHz USB at 2340-0001 sign off on September 5th. [Kohlbrenner-PA]. The SWRS is often heard on Saturday's and Sundays from 2100-0100 UTC here in North America. Give it a try!

WEEKEND MUSIC RADIO, a Scottish pirate made it to North America on August 24th. They were heard on 6952.2 kHz AM from 0002-0112 with an ID and rock oldies. Nice catch! [Maroti-NY]

WRYT, The "Dirty White Boy" who claimed he was killed in an auto accident early this year is back from the dead. Noted on August 16th at 2125 UTC with parody Ads, jokes and 60's rock. [Van Loo-DC]

WSRR, SOLID ROCK RADIO, was noted on September 19th at 1138 UTC. Male DJ with rock, announcing The Box 1, Belfast, NY 14711 maildrop. [Costello-NY]

That's it for this month. Happy pirate DX! 

QSL Report

Sam Borto
47 Prospect Place
Bristol, CT 06010

Radio 4UEZ
via Constanti



**BOX 1
CAP HAITIEN
HAITI
WEST INDIES**

ALBANIA: Radio Tir-
ana 6140 & 7160
f/d "Ethnic" cd.
w/ 1ltr. in 22 ds
after a f/up rpt
This was a total
of 15 mo. Also
rcvd. Schedule.
(Kusalik-ALB).
ARGENTINA (Pirate):
* **Kiwi Radio 6980**
via **Radio Cochiquaz** f/d 1ltr. w/
station info.,
cassette tape w/

studio copy in 79 ds. for a taped rpt. and 2 IRCs. (Eramo-ARG).

ASIATIC RUSSIA: Radio Vlaanderen International 9865 via **Petropavlovsk-Kamchatsky** f/d "Painting" cd. in 2 wks. for \$1.00. (Craighead-KS).
Radio Nederlands 17580 via **Khabarovsk** f/d "From Wireless to Worldwide Web" cd. w/ schedule and sticker in 24 ds. (Humenyk-ONT).

AUSTRALIA: Radio Australia 9580 f/d "Studio Building" cd. in 32 ds. (Mann)

AUSTRIA: Radio Austria International 9870 via **Moosbrunn** f/d "Elisabeth 37-98" cd. in 20 ds. w/ sticker, schedule and a world time cd. (Humenyk-ONT).

SOLOMON ISLANDS BROADCASTING CORPORATION

QSL CONFIRMATION Date: 3/10/73
This confirms your reception of:-
9545 kHz on from (G.M.T.)
3020 kHz on 9/10/73 from 98.70 (G.M.T.)
10515 kHz on from 98.30 (G.M.T.)
..... from (G.M.T.)
The Honorable had an avid power of
..... IC Adewata. Thank you for your
report, and we wish you good DX'ing
SIBC
P.O. Box 651, HONIARA, S.I.

To **FEDERICO DE CASTRO,**
AV. OSWALDO ARANHA 1324,
12600-000 LORENA, SA,
BRAZIL
SOUTH AMERICA.

BELARUS: Radio Minsk 11670 f/d cd.
w/ schedule in 50 ds. (Constanti).
BENIN: ORTB Cotonou 4870 p/d cd. in
206 ds. for a taped rpt., a FR
rpt. and \$1.00. (Stewart-MO). f/d
cd. in 289 ds. after 2 f/up rpt. (Constanti).

BOSNIA-HERZEGOVINA: Radio Bosne i
* **Hercegovine** 7105 f/d "Paper Map"
sheet in 26 mo. for \$1.00. (Craig-
head-KS).

BRASIL: Radio Globo 11805 f/d "Village Scene Painting" head-KS).
cd. w/ E-mail 1ltr. in 325 ds. v/s Guilherme Viterbo, Tecnico Depto.
The cd. arrived 1 day after the E-mail. (Sgrulletta-NY).

CANADA: ZAP Samoa Broadcasting Service 9650 via **Radio Korea International**
* via **Radio Canada International** (everyone got that?) via **Sackville** 9650
f/d "Traditional Fire Dance" and "Paradise Beach" cds. w/ a personal
ltr. in 5 1/2 yrs!!! but only 1



ZD7RSD

30TH
YEAR
OF
TRANSMISSION



mo. after my 2nd
f/up rpt. and tele-
phone call. v/s
Clement Warren,
Chief Technical
Officer. (Loudell-DE). **Radio**
Canada Inter-
national 5960 &
9755 via **Sackville**
f/d "RCMP 125th Anni-
versary" cd. w/ stick-
er in 2 wks. v/s
Bill Westenhaber.
(Loudell). **China**
Radio International
9560 via **Sackville** f/d cd.
in 24 ds. v/s Zing Lian. (Kusalik)

Radio
ST HELENA

turns me on!



إذاعة المملكة العربية السعودية

THE BROADCASTING SERVICE
OF THE KINGDOM OF SAUDI ARABIA

CHILE: Radio Voz Cristiana

* 21550 f/d cd. in 3 wks.
Addr: A.P. 2889, Miami,
FL 33144. (Eramo). f/d cd
in 3 mo. (TIN).

CHINA, PEOPLES REP OF: China

Radio International 9945
f/d cd. in 18 ds. for
\$1.00. Also rcvd. cloth
pennant, cloth flag, CRI
plastic pennant, sticker
and magazine. (Craighead).
9565 f/d cd. w/ panda
paper cut w/ schedule in
17 ds. for an E-mail rpt.
(Neal-TX).

CLANDESTINE: Radio Rainbow

5905 and 9855 n/d ltr. in

10 ds. for \$1.00. v/s T. Assefa. (Craighead-KS).

COSTA RICA: Radio For Peace International 21465 f/d "10th Anniversary"
cd. in 131 ds. for \$1.00 and an E-mail rpt. (Mann-NE).

CROATIA: HRT Croatia 7370 f/d "Studio Building" cd. after 3 tries for
a 95 reception. (Mann-NE).

CUBA: Radio Habana Cuba

6000 "Club DX Logo" cd.
in 5½ mo. The cd. noted
the Papal visit. Also
rcvd. Cuban newspapers
about the visit. (Loudell-DE).

CYPRUS: Cyprus Broadcasting

Corporation 7105 f/d cd.
in 5 wks. for \$1.00.
(Loudell-DE).

CZECH REPUBLIC: Radio Pra-

que 9435 f/d "Acro 50
Historic Automobile" cd.
w/ postcards, stickers,
bookmark and a plastic
pennant in 2½ wks. (Loudell-DE).

DOMINICAN REPUBLIC: HIMI Radio Cristal Internacional 5013 f/d white

"Logo" cd. in 4½ mo. for a SP rpt. and \$1.00. v/s Margarita Reyes.

ECUADOR: HCJB 9745 f/d "Great Blue Heron" cd. and (Loudell).

* "Snail Kite Bird" cd. in 3 wks. for ms. (Loudell). **European DX Council** -
HelSinki via **HCJB** 9745 f/d personal ltr. in 3 wks. for \$1.00
v/s Risto Vahakainu, Secretary General. (Loudell-DE).

HA2IOA 3810 f/d

"Shield/Sundial
cd. in 77 ds.
for a SP rpt. &
2 IRCs. v/s
Capt. Jose Olmo
Moran, Director del Instituto Oceanografico. (Wilkins-MO).

ENGLAND: Merlin

Network One
15200 f/d ltr.
w/ n/d cd. in
12 ds. for
\$1.00. (Mann-NE)



We gratefully confirm your report of

4-27-70 _____ at which
1154-1230 (MIT)
time you heard transmitter

4VBE _____ on a frequency of

15200 _____ with a power of

350 _____ watts. via Constanti

Hrs. East Baghdad

QSL Secretary

4VBE-8.30 kh. 4VBE-10.35 kh. 4VBE-118.35 kh.
4VBE-6120 kh. 4VBE-2450 kh. 4VBE-15280 kh.
4VBE-9770 kh.



ተጋዥ ልሳን ልሳን
ቤት/አ ወጻኢ ጉዳይ



جسمة التحرير الارترية
مكتب العلاقات الخارجية

ERITREAN LIBERATION FRONT
FOREIGN RELATIONS OFFICE

Date: 23.01.1998

Ref: ...

تاریخ
رقم

Confirmation

January 23, 1998

Dear Mr. Edward Kuvshin

Congratulations for your successful interception of our radio broadcast

I have received your second reception report on our radio broadcast. I would like to confirm you that the radio broadcast you have heard from 15:00 UTC until 15:30 UTC, at the frequency of 9230 KHz, on short wave, belongs to the Eritrean Liberation Front-Revolutionary Council (ELF-RC) an opposition organization to the current government in Eritrea.

At 15:30 UTC, on the same frequency starts another programme called "Voice of Free Eritrea" and it ends at 16:00 UTC. It belongs to another organization called the Eritrean National Coalition, an organization comprising of three different factions.

The third radio broadcast belongs to the Eritrean Islamic Jihad Movement. Its identification announcement is "The Voice of Truth" and it starts at 16:00 UTC and ends at 16:30 UTC. The frequency is 9230 KHz. On short wave.

I am fully obliged to you for the Voice of Democratic Eritrea, the radio broadcast that belongs to the ELF-RC, but for the two other broadcasts i.e. The Voice of Free Eritrea and The Voice of Truth, I am simply wishing to confirm you that your reception is correct, otherwise I don't have any legal right to represent them.

With best regards

Memberstab Amareom

Member of Executive Committee

ELF-RC
Box 704714
61114 Bonn
Germany
Tel 0228 3564181

w/ signed and stamped verie ltr. in 70 ds. for a registered rpt. in SP. This was after 3 tries over 4 1/2 yrs. v/s Jose Escalante Ramos, Director. I also sent an SASE. (Kusalik-ALB).

INDIA: All India Radio 4790 via **Itanagar** f/d ltr. in 4 mo. after a f/ up rpt. v/s A.K. Bhatnager, Director of Frequency Assignments. This was over a period of 17 mo. Very nice "Thanjavur Temple" cd. (Kusalik-ALB).

IRAQ: Radio Iraq International 11785 f/d folder of "Murals of Baghdad" cd. in 152 ds. (Humenyk).

ISRAEL: Kol Israel 15650 f/d blue "Logo" cd. in 68 ds. (Humenyk-ONT).

ITALY: RAI f/d "Painting" cd. w/ stickers in 1 mo. (Humenyk).

KAZAKHSTAN: Radio Nederland 7305 via **Alma Ata** f/d cd. in 5 wks. (Craighead-KS).

KOREA, REPUBLIC OF: Radio

Korea 15575 f/d cd. w/ schedule in 22 ds. (Constanti).

LAOS: Lao National Radio

6130 f/d personal ltr. w/ stamps in 5 mo. for \$1.00. v/s Miss Vichit-savanh Chanthery, Announcer for the English Section. (Craighead-KS).

LIBYA: Radio Jamahiriya

15415 and 15435 f/d cd. "Rainbow w/ Logo" in 123 ds. (Humenyk).

GERMANY (West): Radio Croatia 6120 via **Julich** f/d cd. w/ schedule in 20 ds. (Constanti).

GREECE: VOA Rhodes 9865 f/d "Mount Rushmore" cd. in 49 ds. w/ schedule. (Humenyk)... Sorry, I should of listed this under Rhodes... Sam.

GUAM: KTWR Trans World Radio f/d "Tower" cd. in 2 wks. for 3 ms. v/s Janette McGurk. (Rueneman).

GUATEMALA: TGMN Radio Mam 4825 f/d prepared cd.

* **Media Zoo** 13690 via **Merlin Network** **One** n/d cd. in 21 ds. (Kusalik-ALB).
* **Radio Caroline** 15200 via **MNO** f/d cd. in 17 ds. for \$1.00. Also rcvd. an offshore radio history booklet. (Mann-NE).

EUROPEAN RUSSIA: Voice of the Mediterranean 12060 via **Moscow** f/d "Maltese Carved Stone Balcony" cd. in 21 ds. (Humenyk-ONT).

FRENCH GUIANA: China Radio International 9730 via **Montinsery** f/d "Three Gorges of the Yangtze River" cd. in 24 ds. v/s Zing Lian. (Kusalik-ALB).

GERMANY (East): Deutsche Welle 7115 via **Nauen** f/d "Cathedral Church" cd. in 122 ds. (Humenyk).

QSL

JEFF MOLANDER
JUNIO 30 DE 1996

Certificado de Sintonía

Su informe de recepción del 29 de MAYO del 1998 es correcto.

Usted escuchó en esa fecha Radio Educación ya que su reporte coincide con nuestros registros.

Contente escuchándonos

Nuestra programación es su mejor compañía



G.S.
radio grugiasco
centrale
club 99



radio
grugiasco
centrale

FONDATA

1989 1990

ltr. (Humenyk). 15705 via Sveio f/d "Painting" cd. w/ site in 2 wks. for \$1.00. Also rcvd. personal ltr. in which they said they were forwarding my "very interesting report and kind words" to Norway. (Craighead). Radio Norway International 11990 via Sveio f/d "Rose Painting" cd. in 11 ds. w/ schedule. v/s Marina Engen. (Humenyk). 11990 same cd. in 1 1/2 mo. (Loudell-DE).

PERU: Radio Ayabaca

* 7142.2 2 prepared cds. w/ personal ltr, program schedule and a cassette of Peruvian music in 8 1/2 mo. after original rpt. and 4 1/2 mo. after my f/up rpt w/ SASE (Not used). v/s Jose Heli Requejo Aldean, Gerente. Addr: Jiron Montero 437, Ayabaca, Dpto. Piura. This was my 100th OSL from Peru! (Lazarus-LA).....Great accomplishment...Sam.

PORTUGAL: Radio Portugal International 9570 f/d "Beautiful Expo 98" cd. w/ stickers and a travel booklet in 2 mo.

ROMANIA: Radio Romania International (Loudell-DE) 17790 f/d "The Agapia Monastery" cd. in 47 ds. v/s F. Dochinov. (Humenyk-ONT).

RUSSIA: IBRA Radio 12020 f/d cd. in 27 ds. (Humenyk)....My OSL indicated the site as Moscow but you never know. Hi!..Sam.

SABAH: Radio Malaysia Kota Kinabalu 5980 f/d black and red "RMKK Map and Sate-lite" cd. in 5 mo. for \$1.00. (Craighead)

SAINT HELENA: ZHH Radio Saint Helena 11092.5 f/d "Map" cd. w/ ltr. in 6 1/2 mo. for 3 IRCs. v/s Derek Richards, Producer/Presenter. (Loudell-DE).

SARAWAK: Radio Malaysia Sarawak 5005 via Sibu f/d "Broadcasting House" cd.

LITHUANIA: Radio Vilnius 9580 cd. in 45 ds. for 1 IRC. (Griffin-VA)

MALAGASY REPUBLIC: Radio Nederlands 9855 f/d "Wireless to Worldwide Web" cd. in 25 ds. (Humenyk).

MALUKU: RRI Tual 5984.4 f/d prepared cd., signed and stamped, w/ verie ltr. in 11 ds. after 3 f/up rpts in IN. This after total of 4 1/2 yrs! v/s Drs. D.A. Siahainenia, Kepala Stasiun. This is my 75th IN OSL! (Kusalik-ALB).

MONGOLIA: Voice of Mongolia 12085 n/d "Dancers" cd. w/ mint Mongolian stamps in 1 mo. for \$1.00 (Craighead-KS).

MOROCCO: Radiodiffusion Television Marocaine 15345 via Rabat p/d "Globe" cd. in 1 mo. v/s J. Tanane, Le Directeur de la Telediffusion. (Humenyk-ONT). VOA 17895 via Brieuch f/d "National Archives" cd. in 48 ds. (Humenyk).

NEW ZEALAND: Radio New Zealand International 17675 via Ranqitaki f/d "Kiwi Bird w/ Logo" cd. in 19 ds. w/ schedule. (Humenyk-ONT).

NORWAY: Radio Denmark 11640, 11735 & 13805 p/d "Logo" cd. in 11 ds. w/ schedule and

Radio Republik Indonesia



Ini membenarkan laporan tuan dari Radio Republik Indonesia, Studio Tual siaran pada gelombang 50:13 meter atau frekuensi 5984.3 kHz, pada 16-April 1994, dari 21:50 sampai 22:40 waktu Indonesia Bagian Timur. Pemancar kuasa studio kami 1 kw. dengan antena banyak, teruna kasih untuk laporan tuan. 16 April, 15 Juli 1998.
P.S.U. Kepada Stasiun,
STasiun
TUAL
D.A. SIAMAINENIA
NIP. 050018594

Pimpinan atau Kepala Studio



VERIFICATION CARD

Dear MEMN. VETSO BORN
 This is to verify your report dated 26 JUL 98
 on our ENGLISH language broadcast
 on a frequency of 4965 KHz.
 Thanks for listening

| LANGUAGE | GMT |
|---------------|-------------|
| ENGLISH (III) | 23 00-04 30 |
| (III) | 06 00-08 00 |
| (III) | 11 30-12 30 |
| FRENCH (III) | 04 30-06 00 |
| LAOS | 09 18-10 00 |
| CHINESE | 10 00-10 30 |
| (MANDARIN) | |
| THAI | 10 30-11 00 |
| VIETNAMESE | 11 00-11 30 |
| CAMBODIAN | 12 30-13 00 |
| MALAY | 13 00-13 30 |
| BURMESE | 14 20-14 50 |
| JAPANESE | 13 06-14 20 |
| FREQUENCIES: | |
| 1100 KHz | 80 KW |
| 9000 KHz | 100 KW |

in 2 mo. for \$1.00 (Craighead-KS).
SLOVAKIA: Radio Slovakia International 5930 and 7300 f/d "Map of Slovak Republic" cd. in 24 ds. (Humenyk).

SOUTH AFRICA: Radio Sonder Grense 3320 f/d cd. in 11 ds. for an E-mail rpt. to SEN-TECH. v/s Kathy Otto. (Kohlbrener-PA).
Adventist World Radio 15620 via **Meyerton** f/d cd. w/ site in 40 ds. w/ schedule. v/s Dr. Adrian Peterson. (Kusalik-ALB).

SPAIN: China Radio International 9690 f/d "Bronze Oz" cd. w/ site in 24 ds. v/s Zing Lian. (Kusalik).

SRI LANKA: Deutsche Welle 11865 via **Trincomalee** f/d cd. in 1 yr. Also rcvd. DW cap: (Craighead). 7125 f/d cd. w/ site in 136 ds. v/s B. Klaumann, Transmission Management. (Eramo).

SWEDEN: Radio Sweden 9495, 11985, 13855 and 15735 f/d "Swedish Summer" cd. in 15 ds. (Humenyk). 9475 f/d "Lapp-staden - Arvidsjaur" cd. w/ stickers in 3 wks. (Loudell-DE).

TAIWAN: Voice of Asia 11745 f/d "Cartoon Dragon at Microphone" cd. in 3 mo. for \$1.00. Also rcvd. personal note, postcard, decal and a gold plated Voice of Asia rooster bookmark. (Craighead-KS).

THAILAND: Radio Thailand 15395 via **Udon Thani** f/d "Waterfall" cd. in 41 ds.

USA: WHRA 15460 f/d "First Day" (Name?) cd. in 174 ds. for 2 ms. v/s Loren Holycross. (Wilkins-MO). f/d "Test QSL" in 207 ds. for ms. v/s James Holycross. (Stewart-MO). same in 209 ds. for \$1.00

* for an E-mail rpt. (Mann-NE). **WBCO** 7415 f/d cd. in 13 ds. for 3 ms. (Neal-TX). f/d cd. in 10 ds. for \$1.00. v/s Elaine Star, Office Manager. Addr: WBCO The Planet, 97 High St., Kennebunk, ME 04043. (Kohlbrener). f/d cd. "Globe and Rainbow" in 9 ds. (Craighead). same in 12 ds. for ms. (Mann) same cd. in 7 ds. for SASE. Transmitter is located at **Monticello, ME**

USA (Pirates): WGTG With Glory to Gumbo 6955 f/d cd. (Sgrulletta) in 35 ds. for 3 ms. (Wilkins-MO). **Reefer Madness Radio** 6955 f/d "7th Heaven QSL Sheet on Drugs" in 44 ds. for ms. (Kusalik-ALB). **KNBS** 6955 f/d cd. in 137 ds. for 3 ms. (Neal-TX).

UZBEKISTAN: Radio Tashkent 17775 f/d "Building w/ Flowers" cd. in 37 ds w/ membership cd., ltr and schedule. (Humenyk-ONT). **IBRA Radio** 15470 via **Tashkent** f/d cd. w/ schedule in 9 ds. Thanks to Treibel in Washington for this one on page 45 NASWA. (Constanti).

Go and get um guys....another DX Season is upon us....Sam.

QSL To: John L. Sgrulletta QSL

ADVENTIST WORLD RADIO
 Verification of Reception

Thank you for your reception report which we are pleased to verify

Station Volodya Location Monticello, ME

Frequency 7245 (S2mB) Date 10 05 98

Power 7.5 kW Time 0700-0725 UTC

Signature E. Jagan - Raf

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 additional 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 overnight USPO delivery. Mail your order to your NASWA QSL Editor.




Net Notes

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

Mahendra Vaghjee is a well-known DXer from Mauritius, in the Indian Ocean, 500 miles from the east coast of Madagascar. Over the past few years Vaghjee has been supplying audio clips to some of the DX/media shows, such as "World of Radio". Now he has more than three dozen audio clips of stations rarely heard far away outside his area. The countries include Afghanistan, Angola, Congo, Rwanda, and many more. These are mostly shortwave stations, including a number of clandestine stations. You'll need the RealPlayer to listen. Dial up his "Listen to Africa" site.¹

"Communications World"², hosted by Dr. Kim Elliott, has been difficult to listen to as a three-parter in the VOA "News Now" format. From October 3, WWCR will air the entire 27-minute show as part of a hour-long "DX block". An hour, hosted exclusively by Grove Enterprises³

(publishers of "Monitoring Times" — thanks, Bob Grove!), will conclude with Glenn Hauser's "World of Radio".⁴ The broadcast times for CW and WoR are UT Sat 2200 on 5070 kHz and repeated UT Mon 0500 on 3210. The repeat is on a time-available basis. Check the WWCR Web site⁵ for updates.

WBCQ, the new broadcaster in Maine, USA, has its new "official" site is up and running.⁶ Programming is now during the NA evening hours on 7415, but as program producers come on board the hours will fill. Look at the Web site for program details.

HCJB has a new e-mail address for those listeners to "DX PartyLine". The address is dxpl@hcjb.org.eu.

In the listings below, "http://" is implied.

The Winter SWL Festival is less than 6 months away. Plan now! I'll see you there.

¹ home.winsocket.com/~Vaghjee/

² www.trsc.com/cw/

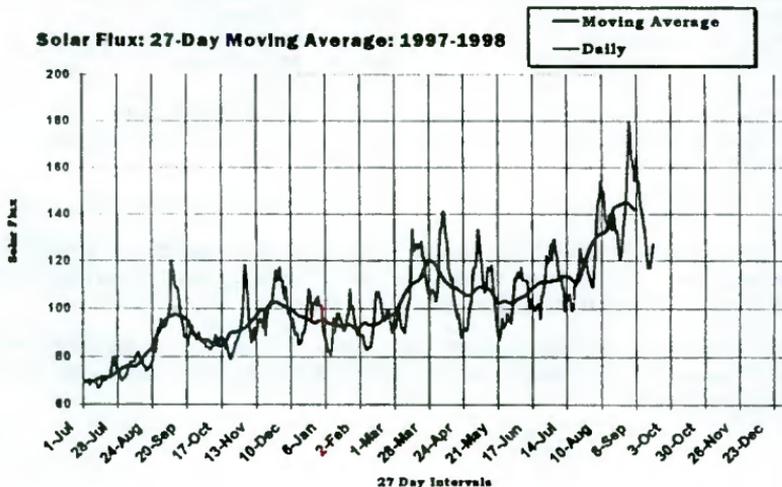
³ www.grove-ent.com/

⁴ www.angelfire.com/ok/worldofradio

⁵ www.wwcr.com/

⁶ theplanet.wbcq.net/

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



Contributors' Page

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

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

Brian ALEXANDER, Mechanicsburg, PA
Bruce BARKER, Exton, PA
Bill BERGADANO, East Freehold, NJ
Dustin BRANN, Kansas City, MO
John BOONE, Spring, TX
Eric BUENEMAN, Hazelwood, MO
David CLARK, Thornhill, ONTARIO
Peter COSTELLO, Matawan, NJ
Nicolas ERAMO, Buenos Aires, ARGENTINA
Ralph FAMULARO, Hyogo-ken, JAPAN
Mark FINE, Remington, VA
Tony GERMANOTTA, VA
Mark HUMENYK, Weston ONTARIO
Fred KOHLBRENNER, Philadelphia, PA
David KRAUSE, Eastlake, OH
Jery LINEBACK, Scranton, KS
George MAROTTI, Mt. Kisco, NY
William McGUIRE, Cheverly, MD
Bob MONTGOMERY, Levittown, PA
Gary NEAL, Sugarland, TX
Ed NEWBURY, Kimball, NE
Jay NOVELLO, Wake Forrest, NC
Takayuki Inoue NOZAKI, Tokyo, JAPAN
Gary OTTESON, Philadelphia, PA
Denis PASQUALE, New Brighton, PA
Sheryl PASZKIEWICZ, Manitowoc, WI
Bob RAYMOND, Nashua, NH
Chuck RIPPEL, Cornland, VA
Betsy ROBINSON, Clinton, TN
David ROSS, Hamilton, ONT
Giovanni SERRA, Rome, ITALY
John SGRULETTA, Mahopac, NY
Randy STEWART, Springfield, MO
Ed TILBURY, Anchorage, AK
Fred TRESHER, Philadelphia, PA
Patrick VAN LOO, Washington, DC
Gerald WITHAM, Kcaau, HI
Terry WOLF, Bellville, OH
Dan ZIOLKOWSKI, Hanburg, NY

R8B AOR AR-7030 100' LW
NRD-535D 40' sloper
TS430S 170' inverted V MFJ Versa Tuner II

ATS-803A MFJ-1778 G5RV antenna
R8A NRD-515/SE-3 ANC-4 Carolina Beam
AR3030 DX-390 YB400 70' LW Tun-4A
Sony 2010 ICF-7600 7600G LW's
ICF-SW55 ATS-803A R5000 LW

Magnavox D-2935 AN-60 DX-SWL sloper
R8 NRD-525 Datong FL-3 AD Sloper
Kenwood R600
R7A beverage antennas
Sony 2010 10/45m dipoles MFJ-956 tuner
DX-380
R388 DX Pro active antenna
Grundig YB-400
WJ-1000 R8 60'Sloper 20' loop
R8A LW's

R8A 200' random wire
Sony 2010 beverage antennas
R8 NRD-525 60' LW Eavesdropper
DX-398 20m 5/8 wave vertical
WJ-HF1000A R8B R390A/SE-3 51S-1 LW's
Sony 2010 Indoor antenna
R8B R8A+Sherwood SE-3 50' inverted L
NRD-525 AD Sloper
NRD-515 AD Sloper Moseley trap dipole
FRG-100 w/Collins filters
AOR-7030 80' LW
ATS-818 Sony 2010 FRG-7700
R8B FRG-100 DX-390 Delta Loop Dipole
R8 ANC-4 135' LW
Sony 2010 LW
R8 Sloper SPS NRF-7 SEM QRM Eliminator

Nice turnout this month with contributions from thirty-nine members. Conditions are noticeably better on the higher frequencies as the new DX season gets underway. Its time to get out and check those antennas while the weather is still mild.

Ed Tilbury's logs were made while on a one-man, four day DXpedition to the abandoned gold rush town of Council, located about 70 miles NE of Nome, Alaska. Any other members out there planning DXpeditions?

73's



Tropical Band Loggings

Sheryl Paszkiewicz

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Manitowoc, WI 54221-0152
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- 2310 AUSTRALIA CAAMA R 9/11 0950 pops, EG DJ (Ripp-VA) 9/14 1410 EG M&W conversation (Tilb-AK)
- 2325 AUSTRALIA VL8T 9/14 1410 EG //2310 (Tilb-AK)
- 2410 NEW GUINEA R Enga 1007 faint but distinctive island mx (Tilb-AK)
- 2485 AUSTRALIA VL8K 9/14 1410 EG //2310 (Tilb-AK)
- 2700.1h UNID Ondas del Luna, Tuna or Jura 9/5 2345 LA mx, maybe Colombian, ads, FC, tnx Mohrmann (Nove-NC)
- 3205 NEW GUINEA R Sandaun 9/5 1110 mx, fair (Line-KS) anmts in PD, good (Tilb-AK)
- 3210 USA WWCR 8/31 1044 rel pgm (Line-KS)
- 3215 MADAGASCAR AWR 8/29 0301 theme mx, seemed to be 7.5 kW yet (Clar-ON)
- 3215.1 SULAWESI RRI Manado 9/3 1150 tlk, pops, SCI (Line-KS)
- 3220 ECUADOR HCJB 8/31 1045 SP/lang anmts, Andean mx (Line-KS)
- 3220 NEW GUINEA R Morobe 0925 tlk mx, seagull & conch (Tilb-AK)
- 3223 INDIA AIR Shimla 1530 News at 9 pgm faint but audible (Tilb-AK)
- 3231.8 SUMATRA RRI Bukittinggi 1340 tlk, fair (Tilb-AK)
- 3234.8 PERU R Luz y Sonido pres 8/22 1006 tlk, mx, poor (Ziol-NY) 9/6 1045 tlk, anmts, mx (Line-KS)
- 3235 NEW BRIT RWNB 8/31 1046 PD tlk, mx (Line-KS) 0820 chorus (Tilb)
- 3245 INDIA AIR Lucknow 1530 News at 9 faint but audible (Tilb-AK)
- 3250.8 PERU R Comas pres 8/22 1027 Andean mx, tlk (Ziol-NY)
- 3260 NEW GUINEA R Madang 8/31 1052 tlk, mx (Line-KS) 1010 island chanting (Tilb-AK)
- 3264.8 SULAWESI RRI Gorontalo 9/5 1111 anmts, pops, nx (Line-KS)
- 3270 NAMIBIA NBC 8/27 0500 World at 6 (Bark-PA)
- 3280 ECUADOR LV del Napo 8/31 1053 tlk, good (Line-KS)
- 3290 CHINA CNR-2 relay (site?) 9/11 1555 lite mx, CH tlk, march, ID (Famu-JP)
- 3290 GUYANA GBC 0800 EG ID, pgm abt Islam (Bark-PA)
- 3290 ECUADOR R Centro 1055 tlk, good (Line-KS)
- 3300 GUATEMALA R Cultural 9/11 0546 mx, rel pgm (Tilb-AK)
- 3306 ZIMBABWE ZBC 8/28 0414 Afr vcl //4828, tlk (Clar-ON)
- 3315 ADM ISL 8/31 1056 PD tlk, mx (Line-KS) island mx, good at 0824 (Tilb-AK)
- 3315 INDIA AIR Bhopal pres 8/28 0045 SC mx, anmt, poor (Sgru-NY) 1530 News at 9 strong sig (Tilb-AK)
- 3325 NEW BRIT R North Solomons relay 0825 tlk in PD (Tilb-AK)
- 3325 SUMATRA RRI Palangkaraya 1200 nx ment Palangkaraya, exc (Line) IN vcls, good (Tilb-AK) at 1330
- 3330.6 PERU Ondas del Huallaga 8/31 1100 tlk, mx (Line-KS)
- 3335 NEW GUINEA R E Sepik 9/9 1157 EG C&W mx (Line-KS) PD tlk, chorus at 1014 (Tilb-AK)
- 3340 PERU R Altura 8/15 0959 s/on, ID & comments, FC, folklore (Eram) 8/31 1105 tlk (Line-KS)

- 3344.9 **MOLUCCAS RRI Ternate** 9/9 1159 SCI, nx (Line-KS) 1335 vcls, fair (Tilb-AK)
- 3345 **INDIA AIR Jaipur** pres 8/28 0045 SC mx not //Bhopal (Sgru-NY) 1530 News at 9 faint but audible (Tilb-AK) 8/22 *0024 IS (Clar-ON)
- 3345 **NEW GUINEA R Northern** PD tkl at 1015, good (Tilb-AK)
- 3355 **NEW GUINEA R Simbu** 9/4 1101 mx, tkl (Line-KS)
- 3374.9 **ANGOLA R Nacional** 8/28 0335 EZL mx //4950.1 (Clar-ON)
- 3380 **GUATEMALA R Chortis** 8/10 0930 tkl, flutes, band (Robi-TN)
- 3385 **MALAYSIA R Miri** 9/4 1223 lcl lang pops (Line-KS)
- 3385 **NEW BRIT RENB** 8/31 1109 PD tkl (Line-KS) 0830 Gospel Light Hour & rel mx, very good (Tilb-AK)
- 3395 **NEW GUINEA R E Highlands** 8/31 1110 tkl (Line-KS) PD tkl, good at 0916 (Tilb-AK)
- 3395.1 **SUMATRA RRI Bandar Lampung** 1439 IN singing, good (Tilb-AK)
- 3905 **NEW IRELAND RNI** PD tkl at 0833 (Tilb-AK) 8/17 1055 lcl mx, PNG annrc in EG (Clar-ON)
- 3935 **NEW ZEALAND ZLXA** 9/12 0723 EG YL, Somewhere Over the Rainbow by Judy Garland, no reading at this time (Tilb-AK)
- 3945 **JAPAN R Tampa** 9/13 0847 JP hip-hop //6115 (Tilb-AK)
- 3970 **JAPAN NHK Sapporo** 9/14 1445 JP YL, ID, class mx (Tilb-AK)
- 3976 **KALIMANTAN RRI Pontianak** 1450 IN tkl vy strong (Tilb-AK)
- 4003.2 **SUMATRA RRI Padang** 1455 tkl in IN good sig (Tilb-AK)
- 4120.1 **N KOREA Vo Natl Salvation** 8/27 1050 harangue //4450 (Nove-NC)
- 4460.9 **PERU R Nor Andina** 8/22 1045 Amanacer Andino pgm, ID (TIN-JP)
- 4485 **RUSSIA R Ufa** 8/25 0105 ID, long tkl, tnx Henderson (Ripp-VA)
- 4525 **CHINA** 8/27 1055 *Nei Menggu* PBS tkl, TP, theme //4785 (Nove-NC)
- 4606.5 **IRIANJAYA RRI Serui** 9/5 1301 Jak nx //4753.3 (Line-KS) 9/12 1150 US & IN pops, lcl ID, brief SCI, warta berita (Bran-MO)
- 4635 **TAJIKISTAN Tajik** R 9/14 1450 lang call ins, tlks, anmts, mx (Tilb)
- 4725 **MYANMAR Vo Myanmar** 9/11 1446 lang, tkl abt Myanmar (Tilb-AK)
- 4734.9 **CHINA Xinjiang PBS** 8/28 2330 tlks not in CH, TP, ID, IS, tnx Novello (Ripp-VA) 8/27 2310 strong tkl, 0000 IS, theme (Nove-NC)
- 4753 **SULAWESI RRI Ujung Pandang** best Indo by far (Tilb-AK)
- 4755.2 **BRAZIL R Educ Rural** 9/5 0400 mx, cmtry, ID (Ripp-VA)
- 4760 **AND ISL AIR Pt Blair** 1530 News at 9 strong sig (Tilb-AK)
- 4774.9 **PERU R Tarma** 9/5 0300 4 big bells, ID, tlks, mx (Ripp-VA)
- 4775 **INDIA AIR Imphal** 1530 News at 9, good (Tilb-AK)
- 4775 **SWAZILAND TWR** 8/15 0401 w/GM rel pgm (Berg-NJ) 9/14 0404 GM serious tkl, inspirational mx (Tilb-AK)
- 4777.2 **JAVA RRI Jakarta** 8/31 1206 nx //4753.3 (Line-KS) 1440 Indo pop, heavy QRM but good sig (Tilb-AK)
- 4779.8 **ECUADOR R Oriental** 9/12 1030 exc w/long tlks (Ripp-VA)
- 4789 **IRIAN JAYA RRI Fak-Fak** 9/5 1255 pops, anmts, SCI (Line-KS)
- 4790.5 **PAKISTAN AKR** 8/20 0347 tkl, SC chant, weak (Clar-ON)
- 4795 **BRAZIL Rdf Aquidauana** 8/28 2350 accordion, ID, mx (Nove-NC)
- 4800 **INDIA AIR Hyderabad** 1530 News at 9 good (Tilb-AK) 8/20 0031 Delhi nx, unusually good (Clar-ON)
- 4800 **LESOTHO RL** 9/14 0400 EG/lang anmts, call in show (Tilb-AK)
- 4800.7 **MEXICO XERTA** 8/14 0859 vcls, ID (Ziol-NY) 9/11 0540 non-stop Mexican mx & singing (Tilb-AK)

- 4820 **BOTSWANA RB** 8/29 0600 lang cmtry (Tres-PA) 9/14 0413 lang anmts, IDs Motown-like mx (Tilb-AK)
- 4820 **INDIA AIR Calcutta** 1530 News at 9 exc sig (Tilb-AK)
- 4824.4 **PERU LV de la Selva** 9/12 *0946 NA, cumbias peruana, NA "Contacto Directo" (TIN-JP)
- 4830 **VENEZUELA R Tachira** 8/3 0311 cmtry (Hume-ON) 9/11 1016 NA, full ID, tropical mx, rel pgm 1030 (Bran-MO) 9/14 0353 anmts, hot Latin mx w/yips & squeals (Tilb-AK)
- 4832 **COSTA RICA R Reloj** 9/2 0310 LA mx (Tres-PA) 9/11 0535 anmts, marimbas, LA ballads (Tilb-AK) Be careful of Tezulutlan—sp
- 4840 **INDIA AIR Mumbai** 1530 definitely them but not News at 9 (Tilb-AK) 8/22 0025 tlk, nx //4860, loud (Clar-ON)
- 4850 **CAMEROON Yaounde** 8/21 2345 FR tlk to 2400* (Clar-ON)
- 4860 **INDIA AIR Delhi** 1530 but not //News at 9 (Tilb-AK) 8/22 0031 nx, break in xmsn, back at 0037 (Clar-ON)
- 4880 **INDIA AIR Lucknow** 8/22 0034 Delhi nx //4840 (Clar-ON)
- 4890 **GABON RFI** Relay 9/14 0415 FR usual pgm (Tilb-AK)
- 4890 **PAPUA NBC** Rippel & Lineback have noted this missing
- 4890 **PERU R Chota** 8/31 1112 ID, tlk, mx (Line-KS)
- 4895 **INDIA AIR Kurseong** 1530 News at 9 good (Tilb-AK)
- 4895 **SARAWAK RTM Kuching** 9/4 1226 lang pops, anmts (Line-KS)
- 4914.4 **PERU R Cora** 9/3 0345 huaynos, ID, slogan (Ripp-VA) 8/31 1114 ment Lima, ads (Line-KS) 9/12 0628 Ids, jingles, mx (Tilb-AK)
- 4919 **ECUADOR R Quito** 8/10 0649 SP soccer (Berg-NJ) 9/11 0530 anmts, Ids, LA mx (Tilb-AK)
- 4920 **INDIA AIR Chennai** 1530 News at 9 exc (Tilb-AK)
- 4925 **SUMATRA RRI Jambi** 8/31 1204 Jak nx //4753.3 (Line-KS)
- 4930 **HONDURAS R Internacional** 9/11 0520 anmts, ballads (Tilb-AK)
- 4930 **INDIA AIR Shimla** 1530 News at 9 good (Tilb-AK)
- 4935 **KENYA KBC** 8/23 *0157 drum IS, ID, NA, anmts (Kohl-PA)
- 4945.1 **BRAZIL R Emis Rural** 8/26 0830 tlk, rooster, ment Petrolina (Ziol)
- 4950 **ANGOLA R Nacional** 8/23 0454 pop mx, anmts, TP, ID, sermon, hymns, fair (Kohl-PA) 8/27 2345 lcl pops, ID //7244.9 (Alex-PA) 9/7 0017 mx, cmnts, TC, ment Angola (Eram-ARG)
- 4950 **KASHMIR AIR Srinagar** 1530 News at 9 good (Tilb-AK)
- 4955 **COLOMBIA R Nacional** 8/29 0405 LA mx (Tres-PA) 9/11 0119 pop mx, Ids, addr, nx, sports (Bran-MO) 9/14 0352 anmts, ballads (Tilb-AK)
- 4960 **DOM REP R Cima** 8/29 0025 anmts, salsa, merengue (Alex-PA) 8/31 1016 romantic pops, Ids, TC (Bran-MO)
- 4960 **ECUADOR R Federacion** 9/3 0700 LA mx (Tres-PA)
- 4960 **SAO TOME VOA** Relay 8/20 0302 EG Afr nx (Mont-PA)
- 4960 **VANUATU RV** 9/12 0708 live awards ceremony for Pacific football competition incl presentation by Van president (Tilb-AK)
- 4964.7 **PERU R San Miguel** 9/12 1020 "Peru Folklorico" (TIN-JP)
- 4970 **INDIA AIR Shillong** 1530 News at 9 good (Tilb-AK)
- 4974.8 **PERU R del Pacifico** 9/13 0345 preacher "A traves de la Biblia" ID (Eram-ARG) 9/11 0420 rel pgm, ID (Tilb-AK)
- 4975.2 **PERU R del Pacifico** 9/12 0730 rel pgm, ID //9674.8 (TIN-JP)
- 4976 **UGANDA RU** 9/5 0400 EG nx, ads, PSAs (Bark-PA)
- 4980 **VENEZUELA Ecos del Torbes** 8/15 1013 fair, ID, TC (TIN-JP)

- 4990 **INDIA AIR Itanagar** 1530 News at 9 good (Tilb-AK)
- 4990.9 **PERU R Ancash** 9/11 0442 anmts, ID, upbeat mx (Tilb-AK)
- 4991 **SURINAM R Apintie** 8/31 0235 EZL mx, lost to Ancash (Ripp-VA) 8/29 0315 pop mx, weak & fading (Clar-ON)
- 5000 **AUSTRALIA VNG** 8/21 1115 EG ID & info (Ziol-NY) 8/27 1125 Tcs, full ID (Nove-NC)
- 5005 **MALAYSIA R SibU** 9/5 1246 lang tlk (Line-KS)
- 5005 **NEPAL RN** 8/28 0013 IS, tone, tlk (Sgru-NY) 8/28 *0011 OC, IS, chimes, tlk SEAs mx //7165.2 (Alex-PA) 8/22 0010 IS, opening anmts (Clar-ON) 8/28 *0015 tone, IS, chimes, anmts (Nove-NC)
- 5010 **INDIA AIR Thiru.** 8/22 0028 tlk, nx //4920, chanting (Clar-ON)
- 5011.8 **DOMREPR Cristal** 8/21 0100* Sergio Mendes, Sandoval, ID, s/off w/NA (Alex-PA)
- 5020 **SOL ISL** 9/12 1055 island mx, anmts (Ripp-VA) 9/12 0734 YL anncr, Ronnie Milsap song (Tilb-AK) 8/27 1135 lang anmts, Fleetwood Mac, Abba cover song, all night service but 1200* (Nove-NC)
- 5025 **CUBA R Rebelde** USB 8/20 1130 talk show (Sgru-NY) R Reloj 9/12 0706 SP hot jazz piano w/drum (Tilb-AK)
- 5025 **PERU R Quillabamba** 9/12 1040 huaynos & comunicados (TIN-JP)
- 5026 **UGANDA RU** 7/31 0341 ID, mx & comments (Eram-ARG)
- 5030 **COSTA RICA AWR** 9/11 0445 anncr w/orch mx (Tilb-AK)
- 5030 **SARAWAK RTM Kuching** 9/5 1248 lang tlk (Line-KS)
- 5040 **INDIA AIR Jeypore** News at 9 exc (Tilb-AK) 8/22 0029 SC mx, clear ID, Hindi nx //4840, no EG nx, vcl at 0037 (Clar-ON)
- 5040 **SUMATRA RRI Pekanbaru** 8/30 1358 vcl, chorus, tlk abt Indo (Famu) 1400 RRI ID, Indo mx (Tilb-AK)
- 5050.1 **TANZANIA RT** 8/28 0340 chatter & promo, ads in SH, IS (Clar-ON)
- 5055 **COSTA RICA Faro del Caribe** 8/2 0306 EG money tlk (Berg-NJ) 8/29 0830 SP cmtry (Tres-PA) 9/12 0625 rel pgm (Tilb-AK)
- 5076.8 **COLOMBIA Caracol** 9/13 0050 Aerosmith, Shakira & No. 1 song in Guatemala, Ids, news (Nove-NC) 9/12 Ids, big band mx (Tilb-AK)
- 5145 **CHINA CNR** 9/4 1048 CH opera (Berg-NJ)
- 5175.5 **PERU R Master** 8/15 1109 huaynos & tlk, tnx Klemetz (TIN-JP)
- 5305 **PERU R La Inmaculada** tent 8/29 0235* ballads, little tlk, closing anmts & NA (Alex-PA)
- 5499.9 **PERU R Regional** 8/15 1047 mx, ID, drifting, tnx Klemetz (TIN-JP)
- 5522 **PERU R Sudamerica** 9/6 0219* pop & folk mx, IDs (Raym-NE1)
- 5637.2 **PERU R Peru** 8/22 1100 folklore, weak (TIN-JP) 8/29 0241* OA folk mx, anmts, NA (Alex-PA)
- 5678 **PERU R Ilucan** 8/15 1007 mx, ID, FC (TIN-JP) unid 9/4 0330 mx coming above the QRN, then YL tlks (Ripp-VA) 8/29 0245* tlk, OA folk mx, ads & jingles, ID (Alex-PA)
- 5770 **NICARAGUA R Miskut** 9/6 0108* pop mx, echo Ids, NA (Raym-NE1) 8/19 0024 vy good, continuous mx, jammed, ID (Mont-PA)
- 5850 **GERMANY Sunrise R** 8/12 0604 exc w/nx, wx, ads (Krau)

Thanks to all contributors. You outdid yourselves! Appreciate newcomers like ED TILBURY, TRESCHER and returning BERGADANO (Berg-NJ) and BRANN. 

International Band Loggings

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- 5930 SLOVAKIA *R Slovakia* in EG 0124, ID, Slovak songs, interview (Newbury NE 8/16) in EG 0100, tlk on conservation (Trescher PA 8/31) Slovak folk mx, mailbag (Robinson TN 8/16)
- 5930 CZECH REPUBLIC *R Prague* in FR 1650, OM tlk, vocals, f, //17485 (Witham HI 8/30)
- 5935 LATVIA *R Latvia* Riga in EG 1912, nx, western pops, ID, political cmntry (Serra ITALY 8/15)
- 6010 BRAZIL *R Inconfidencia* Belo Horizonte in PT 0007, mx pgm, TC's, ID, f-p (Eramo ARG 7/21)
- 60199 PERU *R Victoria* Lima in SP 0823, ID "La Voz de la Liberacion", p (Nozaki JAPAN 8/23)
- 6025 BOLIVIA *R Illimani* La Paz in SP 0106, mx pgm, ID, TC's, f, //4945 (Eramo ARG 7/21)
- 60405 BRAZIL *R Clube Paranaense* in PT 0015, Braz country mx, ads, ID, g (Novello NC 9/5)
- 6060 BRAZIL *R Tupi (Universo)* in PT 0209, relig pgm, ID "A Voz da Liberacao..." (Eramo ARG 7/31)
- 6060 ARGENTINA *R Nacional* in SP 0902, ID, mx break, nx?, f-p, some QRM (Ziolkowski NY 8/19)
- 6070 INDONESIA *RRI Jayapura* in IN 1023, tlks, ads or PSA's, ID, YL pop vcl, f (Famularo JP 9/2)
- 6070nf CHILE *R Voz Cristiana* in SP 1038, relig mx, ID, Miami QTH, //11890, f (Eramo ARG 8/23)
- 6075 ANTIGUA *Deut Welle* relay in GM 0215, economic nx, ment Canada & Argentina (McGuire MD)
- 6085 CANADA *Deut Welle* relay in EG 0100, pro/con reactions to terrorist bombs (Newbury NE 8/21)
- 6090 CHILE *R Esperanza* Temuco in SP 0632, relig tlks & mx, ID, TC's, f (Eramo ARG 9/13)
- 6100 NEW ZEALAND *RNZI* in EG 1030, rugby match Australia vs NZ, nx, sked, f-g (Famularo JP 8/29)
- 6105 MEXICO *XEQM* Merida in SP 1105, upiempo L Am mx, ads, ID's (Novello NC 8/21) 250 watts!
- 61151 COLOMBIA *LV del Llano* in SP 0850, vcls in SP, ID three times, f but clear (Ziolkowski NY 8/19)
- 6135 BRAZIL *R Aparecida* in PT 0912, OM w/tlk, QRM Bolivia to 0927, //96302 (Ziolkowski NY 8/18)
- 6140 BULGARIA *R Bulgaria* in GK 0410, YL w/regional nx, ID, f-p (Witham HI 8/27)
- 61401 URUGUAY *R Monte Carlo* in SP 1014, nx "Diario Oral Matutino", ID (Nozaki JAPAN 8/23)
- 6150nf SOUTH KOREA *R Korea Int* in AR 1630, nx, ID, midcast mx, f (Witham HI 8/20)
- 6150 BRAZIL *R Record* in PT 0912, male vcl, DJ voice-overs, p, //95052 (Ziolkowski NY 8/31)
- 6185 MEXICO *R Educacion* in SP 0628, great L Am marimba mx, TC (Eramo ARG, Tilbury AK 9/12)
- 6218 ALBANIA *R Tirana* in EG 0132, fqys given, world & lcl nx, //7160 (Newbury NE 8/8)
- 6265 ZAMBIA *Zambia NBC* in EG 0305, OM w/nx, ID 0329, Afr mx, weak sig (Montgomery PA 8/20)
- 63307v PERU *R Arcangel*, San Miguel in SP 0055, nice pipe mx, promos, ID 0158 (Novello NC 8/25)
- 6458usb USA *Armed Forces R* Key West, FL in EG 0153, baseball game Cards vs Reds (Krause OH 9/5)
- 6478 PERU *R Altura Huarmaca* in SP 1042, pgm "Amanecer Andino", p (Nozaki JP 8/23)
- 65358 PERU *R Huamcabamba* in SP 0128, OA/Andean mx, ID's, TC's, NA 0204* (Sgrulletta NY 9/10)
- 66182nf PERU *R Nueva Sensacion* in SP 0130, "la musica Perunissima", ID's, TC's (Novello NC 9/7)
- 67977 PERU *R Ondas del Rio Mayo* in SP 0128, OA vocals, not much tlk, ID, Andean acoustic guitar band mx, NA at 0156 prior to abrupt s/off (Sgrulletta NY 9/6, Novello NC 9/4, Rippel VA 9/6)
- 68952 PERU *R San Miguel* in SP *1058-1143, long ancmt, ID, heavy echo, chicha pgm (Nozaki JP 8/15)
ED: Excellent catch in Japan since station only uses 250 watts power!
- 6900 TURKEY *Turkish Meteorological Stn* abrupts/on 0412, continuous ME mx, no ancmts (Rippel VA)
- 7125 GUINEA *R Conakry* in FR 2305-2400*, Afr pop & folk mx, ancmts, NA (Alexander PA 8/29)
- 7155 ALBANIA *R Tirana* in IT 1359, IS, ID "parla Tirana", sked, lcl nx, press review (Serra ITALY 8/30)
- 7165 BOSNIA *R Yugoslavia* relay in RS 1810, nx, ID, tlk by OM, f (Witham HI 8/22)
- 71652 NEPAL *R Nepal Kathmandu* in lang *0015, bits of IS audible, //5005, p (Clark ONT 8/26)
- 7175 SWAZILAND *Trans World R* in FR 1502, instr mx, ID, choral hymn, f (Famularo JP 9/11)
- 7185 HUNGARY *R Budapest* in Croatian 0445-0500*, mx, tlk, ID, f-p (Witham HI 9/2)
- 7190 IRAN *VOIRI* in AR 1732, world nx?, tlk, Ham QRM, f, //6025, 9695 (Serra ITALY 8/16)
- 7245 SINGAPORE *RSI* in Malay 1525, ads, phone ins, pop mx, ID (Famularo JP 9/6) Move from 7250?
- 7250 RUSSIA *V of Vietnam* relay Armavir in EG 0110, nx, feature on kites (Costello NJ 9/1)

- 7255 NIGERIA *V of Nigeria* in EG *0500, s/on, African songs, cmntry, pop mx, f (Newbury NE 8/15)
- 7260 THAILAND *R Thailand* in VT 1100, ID in EG "HSK9", into Khmer after VT (Barker PA 9/5)
- 7260 IRAN *VOIRI* in EG 2013, tlk abt Canada & USA, mx pauses, QRM, //9022 (Serra ITALY 8/16)
- 7260 RUSSIA *V of Vietnam* relay Armavir in EG 0340, xmsn to C Am, polit & econ nx (McGuire MD)
- 7400 RUSSIA *R Maryja* via Samara in PL 2050, discussion, QTH in Poland, ID, nx (Famularo JP 8/23)
- 7405 CHINA *CRI* Jinhua in EG 1440, CH trad mx, nx cmntry, xmsn to WCNA (Newbury NE 8/15)
- 7415 BOTSWANA *VOA* relay in EG 2043, phone messages seeking relatives, //11975 (Famularo 8/23)
- 7415nf USA *WBCQ* Monticello, Maine in EG time?? 1st day broadcast, Al Weiner at the mike, mostly tlk and call-ins, exc sig (Sgrulletta NY 9/9) testing at 2230, ID, suddenly off 2231, vg (Ross ONT 8/20)
- 75199 MOLDOVA *R Moldova* in FR/SP 2035, nx, narrative, goodbye at 2054, some instrum mx, and s/off at 2055, back on at 2100 in SP w/xmtr problems, some background QRM (Novello NC 9/12) ED: PWBR lists this fqy as being relayed via Romania. This suggests direct xmsn from Moldova now.?
- 8098nf-lsb ARGENTINA *R Rivadavia*, Buenos Aires in SP 0834, nx "El Rotativo del Aire", full canned ID 0836 "transmite LS6 Radio Rivadavia en 630 khz, Buenos Aires, Argentina" (Nozaki JP 9/12)
- 9200 SUDAN *R Omdurman* in EG 1800, TP's, ID, anti-American tlk (Famularo JP, Tilbury AK 9/11) in AR 2310, tlk by OM, on late after US bombing (Ross ONT 8/20, RippelVA 9/6)
- 9420 GREECE *VoG* in EG 0130, nx, ID, bombings of US embassies (Newbury NE 8/8, McGuire MD)
- 9440 CHINA *CRI* Baoding in EG 1920, rpt on agricultural progress in China, exc //9600 (Witham HI 8/2)
- 9445nf SOUTH AFRICA *Chan Africa* in EG 1456, IS, ID but clobbered by RF Asia 1500 (Famularo 9/10)
- 9475nf SWEDEN *R Sweden* in EG 0335, cmntry on sex attitudes in nudist camps, g (Newbury NE 8/10)
- 94898 ABKHAZIA *Rep of Abkhazia R*, Sukhumi in AB *0330, IS, NA, nx, mx bridges, f (Clark ONT 9/2)
- 9505 CZECH REPUBLIC *R Prague* in EG 0711, press review, media check, ID, f-g (Krause OH 8/10)
- 95149 BRAZIL *R Novas de Paz* in PT 0922, tlk, ID, choir-like mx, p, //11725 (Ziolkowski NY 9/1)
- 9550 UKRAINE *R Ukraine Int* in EG 0300, IS, ID, rpt on arms sales to Afghanistan (McGuire MD 8/14)
- 9570 ROMANIA *RRI* Bucharest in EG 0203, YL reading text, ID, p, //6155 (Newbury NE 8/16)
- 9570 SOUTH KOREA *RKI* in EG/KR 0855, ID, QTH's in EG, into KR 0900, tlk, f (Ziolkowski 9/2)
- 9575 ITALY *RAI* Rome in SP 0300, ID, national & regional nx, QRM from VOA (McGuire MD 8/25)
- 9575 MOROCCO *R Medi Un* in FR/AR 2132-2300+, europops, ID's, nx in AR 2300 (Tilbury AK 9/11)
- 9580 HUNGARY *R Budapest* in EG 0100, ID, mailbag, world nx (Newbury NE 8/8, Pasquale PA 9/1)
- 9590nf SPAIN *REE* in EG 2030, national nx, ID, press review, string quartet mx, g (Famularo JP 8/21)
- 9605 VATICAN STATE *VR* in EG 0254, Pope's plea for peace in Kosovol, prayers (Newbury NE 8/13)
- 9610 CONGORTV *Congolaise* in FR 1655, tlk on Afr politics, ment Brazzaville, f-p (Famularo JP 8/25)
- 9615 IRAN *VOIRI* in IT 1934, vcls, translating chant, fqy, nx 1938, mx breaks, f (Serra ITALY 8/25)
- 9655 TURKEY *VoT* in TK *2230-2300*, ID, tlk, trad mx/mixed chorus, nx, exc (Robinson TN 8/16)
- 9655 AUSTRIA *RAI* in EG 0045, tlk re organ transplants in Austria, nx (Pasquale PA, Trescher PA 9/2) in EG 0230, nx re drunk man who shot person & was arrested, exc (Newbury NE 8/15)
- 9680 THAILAND *RT* in EG 2032, nx, item on Thai budget, IS 2045, into Thai lang (Kohlbrener PA 9/4)
- 96899 ARGENTINA *RAE* in SP 2315, nx(p), mx bridges, ID's, vocals after 2330, p (Kohlbrener 8/21)
- 9715 UNITED KINGDOM *R Canada* relay in EG 0400, nx re shooting in US capitol (Humenyk ONT)
- 9720 MONGOLIA *VoMongolia* in RS 1825, regional nx, IS, ID in EG, f, //12050 (Witham HI 8/2)
- 9745nf? SOUTH AFRICA *AWR* relay Meyerton in EG 2051, tlk on Christianity, vg (Ross ONT 8/18)
- 9760 CYPRUS *CBC* in GK 2244*, tlks, variety of good GK, AR, and ME mx, //7105 (Tilbury AK 9/12)
- 9780nf FINLAND *YLER Finland* in EG 0215, Finnish lessons on "negative adjectives", g (Newbury 8/15)
- 9785 CHINA *China R Int* in EG 1058*, end of EG culture pgm, ID and s/off by YL (Bergadano NJ 9/3)
- 9795 PHILIPPINES *FEBC* in EG/lang 1109, ID in EG prior to xmsn in dialect 1115, p (Bergadano 9/3)
- 9810 SINGAPORE *Swiss R Int* relay in FR 1246, cmntry abt Jacques Chirac, vg (Humenyk ONT 8/2)
- 9840 VIETNAM *VoVietnam* in EG 1603, world & lcl nx, ID, string mx, feature pgm (Serra ITALY 8/9) in EG 1237, tlk on Ho Chi Minh & Vietnam's declaration of independence in 1945 (Famularo 8/30)
- 9850 EGYPT *Egyptian R* in AR 1539, AR songs, tlk, f, //17670 (Serra ITALY 8/9)
- 9865 GREECE *VOA* relay Rhodes in EG *0359, last day of xmsn from this VOA site (Clark ONT 8/19)
- 9905 SWITZERLAND *SRI* Sottens in EG *2000, IS, nx, cmntry re Swissair crash (Barker PA 9/5)
- 10330 INDIA *AIR Bangalore* *1245, right into sub-cont mx, no IS or ID, this fqy is supposed to have simultaneous xmtrs but no outward sign of that, steadier audio than 11620 but not // (Rippel VA 9/5)

- 11334 **NORTH KOREA R Pyongyang** in EG 2320, bad audio & worse mx, //11710 (Tilbury AK 9/13)
- 11402usb **ICELAND Rikisutvarpid** Reykjavik in IC, tks & conversations, //9275, f (Tilbury AK 9/12)
- 11445 **CHINA CRI Kunming** in IN 1050, many ments of Thailand, fantastic signal! (Bergadano NJ)
- 11530nf? **LEBANON V of Hope** in AR 0400, "High Adventure Radio", QTH in Cyprus, ID in EG, f/o 0430 (Barker PA 8/16) in EG 1727, relig songs, ID, QTH, f (Serra ITALY 8/22)
- 11570 **PAKISTAN R Pakistan** in EG 1610, editorial cmntry, ID, fqy, nx in slow EG (Serra ITALY 8/2)
- 11600 **CHINA R France Int** relay in EG 1229, cmntry re lower house rule, taped interview (Humenyk 8/2)
- 11605 **ISRAEL Kol Israel** in EG 0410, nx re Clinton's problems, terrorism (Newbury NE, Pasquale PA)
- 11620 **INDIA AIR Delhi** in EG *1600, nx, pgm on anniversary of Indian independence (Barker PA 8/23) in EG 2120-2230*, ID, tks re 62nd yr of Indian independence, mailbag, exc sig (Montgomery PA)
- 11635 **PHILIPPINES FEBC** in EG 1101*, "Focus on the Family" rel pgm, ID, QTH (Kohlbrenner 9/4)
- 11685 **HUNGARY R Budapest** in EG 0102, "Hungary Today", nx (Tilbury AK 9/12, Ross ONT 9/3)
- 11690nf **CHILE R Voz Cristiana** in SP 0400, relig mx, full ID, ancmts, f (Eramo ARGENTINA 9/6)
- 117102 **ARGENTINA RAE** in SP/EG 0135, LA mx, TP, IS, into EG 0200, ID, nx, mx (Kohlbrenner 9/5)
- 11715 **CANADA R Korea** relay in EG 11715, voice over abt ending EG svce to ECNA (Humenyk ONT)
- 11715 **ALGERIA RTV Algerienne** in EG 1610, nx, ID, rock song, adj chan QRM, f-p (Serra ITALY 8/9)
- 11720 **BULGARIA R Bulgaria** in EG *1900, nx & spec rpt on bilateral ties with Russia (Barker PA 9/5) in EG *0200, ID, fqys, sked, nx re plant closing for safety reasons, jazz piano (Newbury NE 8/15)
- 117341 **TANZANIA R Tanzania Zanzibar** in SH 2025, tk interspersed w/indigenous vcl, f, QRM slopover (Clark ONT 8/17) tks, popular US rx, interesting but unlikely mix of mx, exc (Rippel VA 9/7)
- 11735 **UNITED KINGDOM R Canada Int** relay in RS 1745, RR/EG lesson, ID, //17820 (Witham HI 8/22)
- 11785 **IRAQ R Iraq Int** in EG 0303, ID, sked, nx, mx, debate abt US missiles, muffled audio with strong hum & co-chan QRM (Alexander PA 8/22, Montgomery PA 8/20, Otteson PA 9/5, Krause OH 8/13)
- 11785nf? **QATAR QBS** in AR 1432, phone calls pgm hosted by OM, AR mx bks, //9570 (Serra ITALY 8/30)
- 11800 **ITALY RAI Rome** in IT 0245, OM reading poetry against class mx background (Newbury NE 8/17)
- 11804 **BRAZIL R Globo** Rio de Janeiro in PT 1008, Sun AM show, mx sertaneja (Nozaki JP 9/13)
- 11820 **GREECE VOA** relay Kavalla in EG 0118, nx re McGuire's 58th home run, f (Ross ONT 9/3)
- 11885 **UNITED ARAB EMIRATES Abu Dhabi** in AR 2204, pops/AR mx, nx 0200, //11970 (Tilbury 9/12)
- 11900 **FINLAND YLE R Finland** in EG 0204, tlk on human rights conference, //9780, g (Tilbury AK 9/12)
- 119393 **PARAGUAY R Encarnacion** in SP 0814, Paraguaya folklore w/Guarani vcls, vp (Nozaki JP 8/22)
- 11960 **BELARUS R Minsk** in EG 2042, discussion, mx, ID, fqy, skeds, QTH, low modul'n (Fine VA 9/8)
- 11965 **GREECE VOA** relay Kavalla in EG 0407, rpt on monitoring Cambodian elections (Humenyk ONT)
- 11965 **SRI LANKA Deut Welle** relay in EG 0106, "Newslink" with Mark Caldwell, f (Ross ONT 9/3)
- 11975 **AUSTRIA R Canada** relay in EG 0400, nx, wx rpt, mailbag, ID (Krause OH, Humenyk ONT)
- 11980 **GUAM KSDA Adv World R** in EG 1100, s/on in EG but into Mandarin pgm (Bergadano NJ 8/19)
- 11990 **KUWAIT R Kuwait** in EG 1805, nx re Kosovo and US missile strike in Afghanistan (Pasquale 8/22)
- 11990nf **NORWAY R Norway Int** in EG 0200, fqy ancmts, "Norway Now", nx, exc (Humenyk ONT 8/3)
- 12015 **GABON R France Int** relay in EG 1645, "Drumbeat", tks, African pop vcl, //15210 (Famularo JP)
- 12020 **VIETNAM Vo Vietnam** in VT/EG 1750, radio drama in VT, laughing, nx in EG (Tilbury AK 9/12)
- 12040 **UKRAINE R Ukraine Int** in EG 0300, ID, nx, mx, //9550, 7410 (Alexander PA 8/22) in EG 0351, Orthodox Church mx, ID, fqys (Newbury NE 8/10) in EG 0000, "Ukraine Diary" (Bergadano 8/17)
- 12045 **RUSSIA Deut Welle** relay Samara in EG 0248*, s/of ancmts, web site, ID, IS, g (Humenyk ONT)
- 12050 **EGYPT Egyptian R Domes Svce** in AR 0200, chanting, usual low audio (Newbury NE, Tilbury AK)
- 12060 **RUSSIA VoMediterranean**, Malta relay in EG 1945, chatting, pop mx, ID, QTH (Serra ITALY 8/16)
- 120849 **ALBANIA R Tirana** in EG 1545, ID, nothing hrd on announced //11735 (Costello NJ 9/6)
- 12085 **MONGOLIA R Mongolia Ulan Bator** in Mongolian *1110, IS, ID "Goverit Mongolia", fanfare, tks into CH 1140 (Clark ONT 8/31) in EG 1200, nx, interview, lcl mx, ID (Montgomery PA 8/19)
- 12085 **JORDAN Damascus R** in EG 2100, fqy, sked, NA, off 2106, back in lang 2110 (Montgomery 8/17)
- 126895usb **USA AFRTS Key West, FL** in EG 1100, NPR nx, ID, //42785, exc copy, 64585 USB is not // to 126895 but is on with continuous nx a.m.'s and // to local NPR FM stns (Montgomery PA 18/20)

- 13590 **UKRAINE R Ukraine Int** in GM 1715, vocals, ID, regional nx, f-p, //15520 (Witham HI 8/31)
- 13610 **SYRIA Damascus R** in EG 2005, AR song, ancmts, ID, nx, f, //12085 (Serra ITALY 8/25)
- 13710 **INDIA AIR Bangalore** in EG 1337, world nx, ID, cmntry, p (Serra ITALY 8/30)
- 13725nf? **UNITED ARAB EMIRATES Abu Dhabi** in lang 1540, "Rocky" theme, M East mx, 6 pips 1600, ID, no nx on the hr, then into "Lone Ranger" theme (Sgrulletta NY 9/7)
- 13805 **NORWAY R Norway Int** in EG 2325, monthly "Listeners' Corner pgm, vg (Ross ONT 8/16)
- 13860 **ICELAND Ríkisutvarpid** Reykjavik in IC 1949, phone interiew, f (Humenyk ONT)
- 14790usb **AUSTRALIA Australia Marine Forces R** in EG 0350, OM DJ with pop rx (Witham HI 8/9)
- 15000 **TAIWAN BSF**, Chung-Li Time Station 1153-1220, modulated & unmodulated pulses, CW ID 200 on the hr, voice ID in CH every 10 minutes, solar flux 140 helped with rare catch (Clark ONT 8/17)
- 15110 **KUWAIT R Kuwait** in AR 1315, children chants ID, Italian pop mx, feature (Serra ITALY 8/2)
- 15120 **NIGERIA V of Nigeria** in EG 1900, nx re Africa, Afr mx, ID's, pgm preview, TC (Serra ITALY, Pasquale PA, Eramo ARGENTINA, Tilbury AK) in lang 1042, ID in EG, mx, p (Montgomery PA)
- 15170 **FRENCH POLYNESIA RFO Papeete** in lang 0340, island mx, exc (Clark ONT, Tilbury AK 9/12)
- 151847 **EQUATORIAL GUINEA RAfrica** in EG 2240-2255*, US relig pgming, s/off with Cupertino, CA QTH and NA (Alexander PA 8/28) in EG 1935, semon, ID, over-modul sig (Montgomery PA 8/17)
- 15200 **UZBEKISTAN Uzbek R** in Uzbek 1321, continuous lcl chants, IS, tlk, f, QRM (Serra ITALY 8/2)
- 15310 **SINGAPORE BBC** relay in EG 0229, nx headlines, stock market rpt, "On Screen" (Ross ONT 9/15)
- 15335 **MOROCCO RTVM** in FR 2243, tlks, nice Moroccan mx, QRM wipeout at 2250 (Tilbury AK 9/11)
- 15360 **SINGAPORE BBC** relay in EG 0028, sports results, recap of nx headlines (Ross ONT, Tilbury AK)
- 15395 **THAILAND R Thailand** in EG *0030, world nx, business nx (Bergadano NJ 8/3, Ross ONT 9/3)
- 15425 **PHILIPPINES VOA** relay in EG 1350, mx by "Bare Naked Ladies", editorial, f (Ross ONT 9/5)
- 15425 **SRI LANKA SLBC** in EG 0059-0132, Hawaiian mx mixing with V of Russia IS, C&W mx, ID, andc // fqys on 9730 & 6075, into DJ hosted morning pgm, f-g (Clark ONT 8/22)
- 15445 **BRAZIL Radiobras** in EG *1200-1230*, nx, rpt on celebrations in city of Salvador (Barker PA 9/5)
- 15445 **SEYCHELLES FEBA** in Bangla/EG/Hindi? 1440, relig sermon, ancmt in EG, fqy quote, ID? in lang but clear mention of FEBA Radio, IS, f (Serra ITALY 8/30)
- 15480 **CHINA China Radio Int** in EG 1205, world nx, comment on US missile attacks (Bergadano 8/19)
- 154853 **PAKISTAN R Pakistan** in Urdu? 0135, tlk, singing, typewriter song, ID, TP (Paszkievicz WI 8/19)
- 15530 **FRANCE R France Int** in EG 1240, ID, drug tests given to athletes, nx on Pakistan (Newbury NE)
- 15545 **BELGIUM R Vlaanderen** in EG 1230, fqy, sked, ID, polit & econ nx, wx rpt, p (McGuire MD 8/18)
- 15735nf **SWEDEN R Sweden** in EG 1734, phone interview re museums in Sweden, //13855 (Humenyk ONT)
- 17510 **HAWAII KWIIR Naalehu** in EG 0149, sermon from the Book of Daniel, f (Humenyk ONT)
- 17535 **ISRAEL Kol Israel** in EG 1548, nx re the Knesset -Israel's parliament (Paszkievicz WI 8/3)
- 17545 **ISRAEL Kol Israel Reshet Bet** in HB 1307, nx, ID's, correspondents' rpts (Serra ITALY 8/2)
- 17580 **RUSSIA R Nederland** relay Khabarovsk in DT 0025*, cmntry, nx, ID, NA* (Paszkievicz WI 8/19)
- 17630 **GABON Africa #1** in FR 1533, Afro pops, disco mx w/DJ, ID during tlk (Serra ITALY 8/9)
- 17660 **RUSSIA R Rossii** in RS 1155, ID, male vcl, pop tune, 5 pips 1200, f (Ziolkowski NY 8/21)
- 17675 **NEW ZEALAND RNZI** in EG 0120, cmntry on needs of people with disabilities (Newbury 8/16)
- 17675 **SOUTH AFRICA Chan Africa** in EG 1410, pgm on environment & ecology, ID (Famularo JP 8/23)
- 17680 **CHILE Voz Cristiana** in SP *1401, relig tlk, salsa, //21550 (Nozaki JP 8/22, Alexander PA 8/29)
- 17760 **SAUDI ARABIA BSKSA** in AR 1601, AR vcls, tlk, ID?, instl string mx, ancmts (Serra 8/22)
- 17770 **ROMANIA RRI** Bucharest in EG 1318, historical lecture on Rom politics, ID (Famularo JP 9/7)
- 17775 **UZBEKISTAN R Tashkent** in EG 1205, ID, local mx, vcls, //15295, signal barely readable at times, s/off at 1228 but right back on at *1230 with pgm in lang (Fine VA 9/10, Ziolkowski NY 8/21)
- 17830 **TURKEY V of Turkey** in EG 1232, nx, ID, Turkish Press review, f in the clear (Ziolkowski 8/21)
- 17830 **ASCENSION IS BBC** relay in EG 1745, "Focus Tonight", sports roundup (Sgrulletta NY 9/5)
- 178351 **PAKISTAN R Pakistan** in EG 1120*, ID, nx, item on Afghan Taliban's, //15530 (Kohlbreuner 9/4)
- 17860 **RWANDA Deut Welle** relay in GM 1955, ID, nx re Kosovol and inside Germany (Newbury 8/12)
- 17880 **FINLAND R Finland** in EG 0652-0659*, tlk on airline pilots' pay scales, ID (Famularo JP 9/7)
- 21500 **CHILE Voz Cristiana** in SP 1528, canned tlk, ID, QTH, song, //21550 (Serra ITALY, Costello NJ)
- 21510nf? **UKRAINE R Ukraine** in RS 1459, mx, IS, into RS pgming (Bergadano NJ 8/14)
- 21550 **CHILE Voz Cristiana** in SP 1200-1500, religious tlks in SP and salsa, p (Nozaki JP 8/22)

- 21570 **SPAIN** *REE* Noblejas in SP 1546, tlk in SP abt football, strong sig w/occas het (Costello NJ 9/13)
 21580 **FRANCE** *R France Int* in FR 1555, mx interludes, tlk, ID 1556, IS (Costello NJ 9/13)
 21605nf? **PORTUGAL** *RDPI* Lisbon in PT 1437, version of "Holdin' Back the Years" (Bergadano NJ 8/12)
 21605 **UNITED ARAB EMIRATES** *UAE Radio* in Dubai in AR 1536, anmts, mx, ID, AR song, //13675 (Serra ITALY 8/22) in EG *1600-1640*, history of Muslim Jihads to defend their faith, strong but distorted signal, //15395 (Barker PA) in EG 1636, nx recap, ancmts, exc (Humenyk ONT 8/3)
 21630 **UNITED ARAB EMIRATES** *Abu Dhabi* in AR 1540, radio play with laughs, pop mx, canned anmt ID, f, //15265 (Serra ITALY 8/22)
 21640 **UNITED KINGDOM** *BBC* Rampsham in EG/Hausa? *1330, Big Ben IS, basic language lesson with translations in African lang, mod fading, f-p (Famularo JP 9/5)
 21660 **ASCENSION ISLAND** *BBC* relay in EG 1211, busines & fiancial nx, soccer nx (Krause OH 9/7)
 21745 **CZECH REPUBLIC** *R Prague* in EG 1320, ID, IS, mx, //13580, p (Newbury NE, Famularo JP)

Clandestine, Tentatives, Presumed, or Unknown

- 60502 **BRAZIL** *R Guarani*(p) in PT 0917, vocal mx, anmt, back to mx, signal was very weak at tune in and lasted only a few minutes, which corresponded to sunrise in Belo Horizonte (Ziolkowski NY 8/19)
 61534 **INDONESIA** *RR1 Biak*, Irian Jaya(p) in lang 1115, echoey piano mx, plaintive OM vcl, clobbered by slop from AWR 6150 by 1130 (Novello NC 9/6)
 6210 **CLANDESTINE** *R Fana Eritrea*(p) in lang 0328, IS, clear ID, tlks, flute mx, p (Montgomery 8/30)
 70034 **PERU** *LV de las Huaringas*(p) in SP 0140-0239*, tlks, OA folk mx, abrupt s/off, couldn't catch ID, weak sig w/QRM (Alexander PA 8/29) huaynos 1130, weak sig, QRM, no ID hrd (Nozaki JP 8/15)
 7140 **AFGHANISTAN** *V of Shari'Ah*(t) in lang? 2032-2200+, really gruesome chanting by OM, Europop mx, mention of Shari'ah, //7200, f (Tilbury AK 9/13)
 7295 **MALAYSIA** *R Malaysia Kajang*(p) in EG? 1705-1724, folk pop songs with OM DJ, QRM splash at 1724, QRN static, QRM rty, p (Serra ITALY 8/16)
 77459 **PERU** *R Cristal*(t) in SP 0240*, OA folk mx, quick anmt at 0240 & off, no ID (Alexander PA 8/22)
 11540 **CLANDESTINE** *R Kudirat* relay in EG *1900, drums/chants, ID, NA, f-p (Famularo JP 8/23)
 12055nf? **CHINA** *China R Int* in IN 1114, cover version of "Open Arms", clear ID but not noted this fqy since, punch-up error? (Bergadano NJ 9/5)
 15325 **BRAZIL** *R Gazeta*(t) in PT? 0303, OM w/voice cadence similar to fire and brimstone preach'g style, weak signal and QRN (Costello NJ 9/10)
 15488 **PAKISTAN** *R Pakistan*(p) in Urdu(p) 0123, chant-like OM vocal, discussion by 2 OM's, three pips 0200, IS, nx in EG 0231 but most words not audible, no ID hrd, weak, vp (Ziolkowski NY 8/21)
 15755nf **GERMANY** *Overcomers Ministry*(p) in EG 1445, Brother Stair's usual stuff, f-g (Famularo JP 9/3)
 17615 **CLANDESTINE** *R Free Asia* in Mandarin *0259, upbeat jazz mx, ID in EG as "RFA, Channel 1", nx, another station underneath in CH - possible jammer overpowered by RFA (Famularo JP 8/29)

Hardware Bits

by Alan Johnson

VECTRONICS ELECTRONICS KITS—I recently received a product/price list for a line of electronics kits of interest to the ham and SWL, including various receivers, transmitters and accessories. They appear to be very reasonably priced. More information can be obtained from Vectronics, 1007 Hwy. 25 S., Starkville, MS 39759; (601) 323-5800. Their Website is at <http://www.vectronics.com>; although the last time I looked, there wasn't much information about their kit line.

PALSTAR R30 RECEIVER—I noticed a new product announcement in the September 1998 issue of *Monitoring Times* (p. 83) about a new receiver from Palstar, a company established by the founder of the original Vectronics Canada. The R30 is a small (8 x 2.5 x 9 inches WHD) dual conversion synthesized general coverage receiver with two IF bandwidths. Ceramic IF filters are standard, Collins mechanical filters are available as an option. Suggested retail price is \$595.95. Palstar, Inc.'s address is 9676 N. Looney Rd., P.O. Box 1136, Piqua, OH 45356; (937) 773-6255. The company's website is <http://www.plastarinc.com>; E-mail: palstar@erinet.com.



WORLD OF RADIO and CONTINENT OF MEDIA SCHEDULE--
as of Sept 19, 1998 from Glenn Hauser

CONTINENT OF MEDIA (COM) is an additional half-hour carried only by RFPI, produced about once a month and repeated weekly until a new edition arrive, on this schedule: Fri 1930, Sat 0330, 1030, 1730, Sun 0130, 0830. RFPI currently uses 15049 at 1700-1200, 21460-USB 1800-0200, 6975 0000-1200. COM deals primarily with domestic media developments in America. NEW! The current COM is now also available on the web thanks to Harry Helms, at

<http://www.DXing.com/ContinentOfMedia.html>

WORLD OF RADIO SCHEDULE, SHORT VERSION as of Sept 19:

NOTE: this is posted only when there have been changes since last time. UT; Times may vary on all the SW stations.

On RFPI Costa Rica: Fri 2000, Sat 0400, 1100, 1800, Sun 0200, 0900, 2300, Mon 0700, Tue 1900, Wed 0300, 1000 on 15049 1700-1200, 21460-USB 1800-0200, 6975 0000-1200.

On WWCN Nashville, Thu 1600 15685, Thu 2030 15685, Sat 2230 5070 [NEW starting Oct 3], Sun 0630 5070, Sun 0930 5070, Mon 0530 3210 [NEW starting Oct 5], Tue 1230 15685.

On WGTG, Georgia, Sat 2330 on 5085, soon also 6890-USB.

W.O.R. is a listener-supported, public-service program about communications around the world, especially, but not limited to, Shortwave Broadcasting. Look for separately distributed rundowns of topics in each half-hour edition, or on our frequently-updated, text-only website:

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