

**NASA**

the  
**JOURNAL**

**NORTH AMERICAN SHORTWAVE ASSOCIATION**

VOLUME XXXVIII NUMBER 5

MAY 1998

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RADIO BAMBAMARCA**

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#### Japan Radio Co., Ltd.

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NRD-345 List \$899.95

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### Shortwave Receivers Past & Present

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- New 3rd Ed.
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This huge 472 page Third Edition includes over 770 shortwave and amateur communications receivers made from 1942 to 1997. Here is everything you need to know as a radio collector or informed receiver buyer. Entry information includes: receiver type, date sold, photograph, size & weight, features, variants, specifications, new & used values, reviews, value rating and availability. Ninety eight worldwide manufacturers are represented. 840 Photos. Become an instant receiver expert!

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### COMMUNICATIONS CATALOG

Universal's free 1998 100 page catalog covers everything for the shortwave, amateur and scanner enthusiasts. With informative photos and full descriptions. To request your copy please call toll-free:

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Don't let the improving weather distract you too much from shortwave listening activities. There is still plenty of good stuff to be heard on the shortwave bands as we move through the spring and summer seasons. Of course, please continue reporting to your favorite columns because without your support there would be no Journal.

Our publisher, **Bill Oliver**, has another new e-mail address. Effective immediately, you should contact Bill at his new e-mail address which is <boliver@blackboard.com>. The old AOL address is being phased out and may be out-of-service by the time you read this. Of course Bill can still be contacted the old fashioned way at the Levittown address which is on the back cover.

Good news from **Francois Steyn** (fsteyn@global.co.za) of the South African DX Club (P. O. Box 18008, Hillbrow 2038, South Africa). The club will not terminate operations as originally announced through the Internet about two months ago when their paid secretary stepped down and no replacement could be found. Instead two club members in Johannesburg have stepped forward and the club expects to commence publishing shortly.

The summer DX convention season is almost here. Add the following major events to your summer activities calendar. The 1998 World Television FM DX Association (WTFDA) will be held at Rock City in Southwestern New York State on July 31, August 1 & 2. The 1998 International Radio Club of America (IRCA) Convention will be held in Missoula, Montana the weekend of August 14-15-16. Finally, the National Radio Club (NRC) will hold its convention over Labor Day weekend. Check the Calendar of Events

### ANARC SWL Ham Net

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

for full details and updates as these gatherings get closer.

Here's a final reminder from me about the club's latest version of the Country List and Awards Program booklet. This "must have" document can be ordered from the Company Store (705 Gregory Drive, Horsham, PA 19044) for only US\$3.00 in North America. The booklet is 3-hole punched in an 8 x 11 format which allows for easy updating. The list utilizes a user friendly format which should make it more attractive to newer members and old timers alike. As I have said many times before, it is essential resource material for any serious shortwave listener.

That's it for this month. Enjoy this month's edition of the JOURNAL; it's another good one (Thanks CL!).

Our Motto is - "Unity and Friendship"

## Calendar Of Events

- May 15 Meeting. Philadelphia Area NASWA Chapter.** Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 215-446-7831.
- May 15 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/>>.
- May 16 Meeting. The Miami Valley DX Club** (all band orientation) meets at 1:00 PM. For more information plus this months meeting location contact Dave Hammer at 614-471-9973 or write to MVDXC, Box 292132, Columbus, OH 43229-8132.
- Jun 12 Meeting. The Tidewater SWL's** meet at 6:30 PM. For more information plus meeting location contact Joe Buch at joseph.buch@dol.net
- Jun 12 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 513-777-5296 or e-mail at <[mmeece@siscom.net](mailto:mmeece@siscom.net)>. For additional information about MONIX, check out their web site at <<http://www.siscom.net/~mmeece/monix.html>>
- Jul'98 Convention. The 4th National Meeting of Mexican DXers** will be held in Tehuacan, Mexico on 31 July-2 August. All shortwave listeners and broadcasters throughout Mexico and around the world are invited. A basic knowledge of Spanish will be helpful, as most convention activities will be conducted in Spanish. For more information contact Jeff White, coordinator of international attendees, c/o Radio Miami International, P.O. Box 526852, Miami, Florida 33152 USA, Telephone: +1-305-267-1728, Fax: +1-305-267-9253, E-mail: [wrmj@compuserve.com](mailto:wrmj@compuserve.com).
- Jul'98 Convention. The 1998 World Television FM DX Association Convention** will be held at Rock City in Southwestern New York State on July 31, August 1 & 2. Dave Nieman and Greg Coniglio will be host the gathering. Further details can be obtained via e-mail at [dxfmtv@buffnet.net](mailto:dxfmtv@buffnet.net) or write Dave Nieman at 12284 Nice Road, Akron, NY 14001-9408. Although the primary area of interest is TV and FM DXing, most of our members are also AM dxers and AM-related conversations are always part of the makeup of our conventions.
- Aug'98 Convention. The 1998 IRCA Convention** will be held in Missoula, Montana the weekend of August 14-15-16. Every BCB DXer, whether an IRCA member or not, is cordially invited to attend. Further information can be obtained from Larry Godwin, 2390 Clydes Dale Lane, Missoula, MT 59804, USA or e-mail at [lbg@selway.umt.edu](mailto:lbg@selway.umt.edu).
- Aug'98 Convention. The 36th annual European DX Council conference** will be held in Gothenburg, Sweden on 28-31 August 1998. It will be organized by the Swedish DX Federation. More details to follow.
- Sep'98 Convention. The annual National Radio Club Convention** will be held Labor Day weekend. Details to follow.
- 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](mailto: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.

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

## Contribute!

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

## Musings

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

**Mike Frazen, RR3 Box 121, Le Sueur, MN 56058**

I have been a short-wave listener ever since I first stared at the large green glowing dial of my father's old Hallicrafters at the age of 8.

Ten years ago I bought my first house. I thought the location on a hill overlooking a large lake would be ideal for short-wave reception. I bought a ICOM R71A & a JRC NRD 535D and a A.D. sloper antenna and set up a radio room. In my wildest imagination I never would have guessed there could be such extreme Radio Frequency Interference from power lines and neighbors at this location. Unable to resolve this problem with the power company, I spent the last 10 years struggling to hear even the major short-wave broadcasters as all short-wave reception was dictated by neighbors gadgets and power lines acting up.

I found that my neighbors all had cable TV and none of them listen to AM radio so they were not aware of the RFI levels and did not offer any cooperation.

I started preparing my wife to think about moving out to the country. We were fortunate to find what I feel is an ideal short-wave listening location. We bought a 10 acre farm 50 miles southwest of Minneapolis. Growing up on a farm myself I knew how nice listening can be in the country.

Our new place has some nice advantages for a short-wave listener, the house and buildings are an island surrounded by farm land. This makes the driveway quite long but sets the house way back from power lines. Another plus is all power lines going to buildings are buried underground. Also farms with electric fences are few and far between and there is all the space I need for any antenna arrangements I may dream up.

So now more than ever I need to be a NASWA member again. Thank you.

## N4WEB

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

**John Lyon, 2346 Dorothy Avenue, White Bear Lake, MN 55110**

The Dxpediton was going to be different this year, I thought as I headed toward downtown St. Paul on the expressway. I was picking up two people on the way to the annual winter dx gathering of our local club, the Minnesota DX Club (MDXC) the third weekend of March. For the last half dozen years or so, we've gathered in a rented cabin in a rural farming area about a 75 minute drive from Minneapolis/St. Paul. The featured guest was club member Chuck Penon, of Heathkit book fame, who was to move to sunny Arizona the next week. He agreed to join us for one last dx gathering before going west young man. But the star of the gathering was the very first YL to join us for a dxpedition. Patricia doesn't drive, so we swung over to Minneapolis, and soon we three were headed for the rural environs. Our winter has been unseasonable El Nine-mild; another year of this and they will revoke our winter tourist slogan "Come ski in America's Siberia."

The first thing we noticed upon arrival was the open windows of the cabin. Jim, one of the earlier arrivals, had brought along a plug-in carbon monoxide detector. When the furnace started up, the indicator shot up. The problem was, no one knew how to evaluate the indicator. After airing out the cabin and consulting printed material, it was determined that for a real health danger to exist, significantly higher readings over an extended time would be required. Nevertheless, the furnace was used sparingly. Pass the sweatshirt and wool socks, please. Patricia was setup in the small room where the cabin counselor usually sleeps, and one of the two bathroom/showers was designated as the ladies room.

Aside from listening and socializing, the gathering gave everyone the chance to indulge in every radio person's favorite perversion: techno-lust. A Drake R4B, and a brand new AOR 7030 Plus, were setup side by side for A-B comparison. But if one tired of fondling the 7030+s trim case, or scrolling through it+s multitudinous menu, there was also the +less-is-more school+ school of receivers, a Lowe Europa, 225, and 150, as well as two Drake SW-8s, a Sony SW7600, and a Kenwood R-1000 with a super Collins mechanical filter. Randall, our host, also had FM/TV equipment, and we were soon listening to FM from Ironwood, MI, nearly 250 miles away. The ad was for takeout pizza, but the pickup drive might be a tad excessive. Mike and Jim, our resident MW loop experts were demonstrating the latest versions, built on frames of PCV pipe. The boat anchor award went to Neal who brought his collector HRO-500, an early solid state receiver before the demise of National. It had the big traditional HRO dial that turns like a dream, smooth as silk, with audio was like audio was meant to be. A steal at \$3000 in 1965. Our host loaned Patricia his backup Kenwood R-1000, and she was soon dxing with the best of us.

Shortwave propagation turned out to be only fair most of the time, but for me there was a good opening to Asia Sunday morning. Even though the PNG and Indos were nearly completely absent, a tentative logging of Radio Myanmar on 4725 peaking about sunrise was a new station for me.

**Welcome to the following new NASWA members**

Larry Albert, Chestnut Hill, MA  
Gene Borowski, Staten Island, NY  
George Branch, Westville, NJ  
Dustin Brann, Kansas City, MO  
Mr. Gabriel Caballero, Ashland, OR  
Mark Chinsky, Glen Head, NY  
Norman Constanti, Rosebud, MO  
Gene Furness, Temperanceville, VA

Alan F. Gibler, Ashtabula, OH  
Hugh O. Griffin Jr. KE4PAP, Portsmouth, VA  
Al Kirchner, Newtown, PA  
William L. LeComte, Burlington, MA  
John Lewis, Brooklyn Park, MN  
Gregory K. Norris, Huntington, WV  
Stephen Phipps PHD, St. Louis, MO  
Joseph L. Travers, Norton, MA

# Easy Listening

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

Let's do things a little differently this month just because we can.

A sort of subtle subtheme running through this month's column is the importance of writing to the stations to which you listen. Many of you by now have gained access to the Internet and, in so doing, have e-mail capability. Regardless of how you feel about the Internet and its effect on the shortwave hobby overall, one very positive aspect is the availability of e-mail. More and more stations are reachable via e-mail and this makes it almost effortless to communicate with them about their programs and reception. In the absence of reliable statistical ratings, stations rely greatly on listener mail for feedback and to convince their sponsors (which are still largely public organizations, governments and taxpayers) of the efficacy of their efforts. The recent loss of Radio **Portugal's** English service and threatened status of **Radio New Zealand International** remind us that the current undesirable trends continue largely unabated. Our only recourse is to write and write often. With e-mail, it is easier than ever before. We have only ourselves to blame if we do nothing to preserve the core assets of our hobby.

## Merlin Network One

Merlin Communications International is the company that was created through a management and employee buyout from the **BBC World Service** and **BBC Transmission**. It was the result of the divestiture of BBC transmission facilities from BBC into a separate private corporation. Merlin has begun a foray into the international broadcasting marketplace by launching what it has termed "**Merlin Network One** service for International Specialist Broadcasters". The trial broadcasts began on April 8 and are heard every Wednesday via satellite and shortwave, with Internet audio also planned for the future.

**Merlin Network One** currently has four clients for this weekly broadcast and this is the schedule:

- 1700-1900 **Radio Caroline** presented by Johnny Reece (pop/rock music)
- 1900-2100 **The MediaZoo** with Eric Wiltsher (media news/developments/interviews)
- 2100-2300 **Hard Country** with **Country Music Radio's** Bryan Chalker
- 2300-0100 **Rock Radio Network** (alternative/"heavy metal" rock music)

Frequencies to North America are as follows: 1900-2100 on 13690; 2100-2200 on 11985 and 13690; 2200-0000 on 9780, 11985 and 13690; 0000-0100 on 11985 and 13690. Frequencies to Europe also have been audible here in North America: 1700-1900 on 15200; 1900-2100 on 15590; 2100-2200 on 11915; 2200-2300 on 9645 and 11915; 2300-0100 on 9645.

Let's wish this experiment some success. For once, we have a new service using high powered, high quality shortwave transmitters with a somewhat innovative approach. When I tuned into **The MediaZoo**, there was an interesting and leisurely discussion taking place with an Intel representative about the company's microprocessors. Sure beats most of the stuff I'm hearing from the state-side commercial shortwave broadcasters. If you like what you hear, tell Merlin about it by writing them at **Bush House, P.O. Box 76, Strand, London WC2B 4PH** or e-mail <mno@cix.co.uk>. You can also write and e-mail the individual programs both during and after the broadcasts at the addresses they announce during their broadcasts.

[Source: Merlin WWW site <www.merlincommunications.com> and rec.radio.shortwave]

## Radio Canada International

RCI has made some significant and, overall, positive changes to its program lineup. Dropped from the schedule to North America are *Peter Gzowski's Forum* and *The Inside Track*. New programs include *The House* (which was heard on shortwave to North America some years ago) and daily live presentation of the first two hours of *This Morning*. The latter is a major improvement over the previous practice of repeating a dated, truncated version of the prior evening's *As It Happens*.

The loss of Gzowski's program (Peter is one of the premier interviewers on radio today) and the excellent *Inside Track* sports journalism/anthology program\* are unfortunate, but RCI could restore both to North

America by putting them in the Sunday ninety minute slot (2230 to 0000) currently occupied by *Sound Advice*. *Sound Advice*, which reviews classical recordings, is a fine program but not well suited to a US audience. Many of the recordings it reviews are unavailable outside Canada. I've e-mailed RCI to suggest these changes as I did on a few occasions suggesting they drop the morning repeats of *As It Happens* in favor of live feeds of the CBC's or their own morning programming. I don't know if my letters had any effect, but I can't argue with the outcome. Write or e-mail the station and add your voice and opinion. Address is P.O. Box 6000, Montreal QC H3C3A8 or <rci@montreal.src.ca>.

Here's the new RCI program schedule to North America:

[1200-1400 M-F on 9640/11855/13650; 1200-1300 Sat./Sun. on 9640/11855/13650; 1300-1600 Sun. on 11855/13650 (also via CBC North on 9625)]

- 1200 M-F *RCI News*  
S/S *World Report*
- 1208 M-F *This Morning* (interviews/documentaries/discussion)[to 1400 w/news@ 1300]
- 1209 Sun. *Quirks and Quarks* (what's new & next in science)  
Sat. *The House* (the week in Canadian politics)
- 1300 Sun. *World Report*
- 1311 Sun. *This Morning on Sunday* (interviews/documentaries/discussion)[to 1600 w/news@1400 and 1500]

[2200-2230 D on 5960/6040/9535/9755/11865; 2230-2300 S/S on 5960/6040/9535/9755/11865; 2230-0000 M-F on 5960/9755/13670; 2300-0000 S/S on 5960/9755/11895/13670/15305]

- 2200 M-F *World at Six* (main domestic network evening newscast)  
S/S *World This Weekend* (weekend news magazine)
- 2230 Sun. *Sound Advice* (reviews/recommendations of classical recordings)[to 2359 w/news@2300]
- M-F *As It Happens* (interviews w/newsmakers)[to 2359 exc. W/F w/news@ 2300]  
Sat. *Mystery Project* (radio drama serials/plays)
- 2300 S/S *CBC News* [*Sound Advice* continues after on Sun. from 2230]
- 2308 Sat. *Quirks and Quarks* (what's new & next in science)
- 2330 Fri. *C'est La Vie* (life in Quebec)
- 2345 Wed. *Out Front* (short productions by producers new to CBC)

[0100-0200 D on 5960/9535/9755/11715/13670; 0200-0230 Tu-Sa on 9535/9755/11715/13670; 0200-0300 S/S on 9535/9755/11715/13670]

- 0100 D *RCI News*
- 0105 Tu-Sa *Spectrum* (Canadian current affairs magazine)
- 0108 Su *Venture Canada* (Canadian business)
- M *Arts in Canada* (Canadian cultural events/personalities)

- 0130 Su *Earth Watch* (environmental issues/solutions)  
 M *The Mailbag* (letters/questions from listeners w/a fortnightly CIDX spot)
- 0200 Tu-Sa *RCI News*
- 0205 Tu-Sa *Spectrum* (Canadian current affairs magazine)
- 0208 Su *The Great Eastern* (comedy from Newfoundland)  
 M *Tapestry* (religious, spiritual and humanist issues)
- 0233 Su *Madly Off in All Directions* (Canadian comedy/satire)

\* *The Inside Track* may be audible to North American listeners Sundays at 2105 on frequencies for Europe, Africa and Middle East: 7235/11690/11890/13650/13670/15150/15325/17820.

[Source: RCI Program Schedule leaflet and web site <www.rcinet.ca>]

## Radio Netherlands

[2330-0125 on 6020/6165/9845 and 0430-0525 on 6165/9590.] *Documentaries* (Thu. 0053 and 0453; Fri. 2353)

7th/8th—**Eurovision Song Contest.** James McDonald picks his way through the musical masterpieces and mishaps in this much loved and hated annual contest, which as developed a unique musical charm all its own over the 40 years of its existence.

14th/15th—**Israel at 50.** A documentary examining and celebrating 50 years of this Middle East nation.

21st/22nd—**Savonarola.** Girolamo Savonarola, a 15th century Dominican monk who inspired a short-lived republic in Florence, consigned much of the city's art heritage to a vast "bonfire of the vanities". 500 years after his death, the Vatican is considering a rehabilitation of his personage. This is a fascinating story with chilling parallels to today.

28th/29th—**Expo '98.** The biggest construction site in Europe today is the 150 acre location in Lisbon that will host Expo '98 with 145 national pavilions and over 8 million expected visitors. Howard Shannon reports on how seriously Holland is taking its international image for this event.

[Source: Radio Netherlands *On Target* publication]

## Deutsche Welle

In surveys Rich Cuff and I have conducted at the SWL Winterfest over the years, DW

has consistently rated among the top five of "most listened to" stations. Over the past year, DW has made some significant changes to its program schedule. Here's a recap of where things stand now:

[0100-0150 on 6040/6085/6145/11810]

- 0100 D *News*
- 0105 Sun. *Saturday Review* (a look at the week past)  
 Mon. *Mailbag* (responses to listener mail)  
 Tu-Sa *Newslink* (German/European current affairs magazine)
- 0115 Sun. *Inside Europe* (European perspective on week's events)
- 0130 Mon. *Feature of the Month* [1st wk. only]  
*Arts on the Air* (German cultural events/personalities) [except 1st wk.]  
 Tue. *Man and Environment* (ecology program)  
 Wed. *Insight* (background to international events/developments)  
 Thu. *Living in Germany* (aspects of German society)  
 Fri. *Spotlight on Sport* (weekly sports report)  
 Sat. *German by Radio* (language lesson)

[0300-0350 on 6085/6145/6185/9535/9640]

- Same as 0100-0150 except:
- 0305 Mon. *Religion & Society* (religious issues in Germany)
- 0315 Sun. *Spectrum* (science and technology magazine)

[0500-0550 on 6045/6185/9615/11810]

Same as 0100-0150 except:

0515 Sun. **Marks and Markets** (business magazine)

Mon. **Cool** (program for younger listeners)

[Source: DW web site <www.dwelle.de>]

## BBC World Service

And you thought I forgot about the Beeb this month! I'll use this space first to inform you about one of my pet peeves about short-wave broadcasting—lack of synchronization between program times and transmitter times. I'll expand on this subject another time, but the BBC is hearing from me about its ridiculous practice of dropping 9515 daily, except Saturday, at 1615 in mid-program! During the week, **Europe Today** gets cut off in mid-sentence; Sundays it's **Sunday Sportsworld** that gets the hatchet treatment. On Saturdays, 9515 continues until 1700. Why not every day? C'mon guys, finances can't be that tight!

Here's a capsule summary of some new BBC programs appearing this month:

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

Premiering **May 2 and 4**, a three-part series entitled **Seven Ages of the Voice** shows how our voices change from cradle to grave. (Sat. 1030; repeated Mon. 0430, 2130)

Beginning **May 2, 4 and 8**, in **Moments of Truth**, international tenor soloist Robert Tear introduces poetic passages from the world's main religions with contemplative music from East and West. (Sat. 0130; repeated Mon. 0615, Fri. 1515)

Starting **May 10 and 12**, a four part series marks the 50th anniversary of the State of Israel by examining the role of Britain, France, the United States and the United Nations in the birth of Israel. **Israel Among the Nations** is presented by Roger Hardy,

the BBC's Middle East analyst. (Sun. 1700; repeated Tue. 0630, 1130)

**May 12, 14 and 15** are the start of an eight-week series on **You and The Law**. The program will explore the world's legal systems and examine important legal cases held around the world that affect people's lives. (Tue. 0145, repeated Thu. 0530, Fri. 1230)

Commencing **May 23 and 25**, **Crisis in the House of David?** examines, in a four-part series, the dichotomy that has grown between the dream of Israel's founders of establishing a new, secular, democratic state that would be a safe and spiritual homeland for Jews worldwide in the wake of the Holocaust, and the vision of religious Jews who see the state as a fulfillment of Biblical prophecy and the place of preparation for the arrival of the Messiah. (Sat. 1030; repeated Mon. 0430, 2130)

Starting **May 24 and 25** is a new four-part youth feature, **Word Up**. It is a creative writing workshop of the air including elements of performance, vox pops and other features. (Sun. 1730; repeated Mon. 1430)

Beginning **May 30, June 1 and 5** in an eight-part series, **Songs of Home**, a studio guest from the world of music performance chooses songs which reminds them of their homeland, showing how the music reflects the culture, traditions and landscape of their home nation. (Sat. 0130; repeated Mon. 0615, Fri. 1515)

Also in May, the **Composer of the Month** (Thu. 0730; repeated Fri. 0130) is **Igor Stravinsky**; **A Night in May** (9th/10th) is a special **Play of the Week** (Sat. 2230; repeated Sun. 0530, 1830\*) marking Israel's 50th anniversary; the **English and Scottish F.A. Cup finals** (16th) are broadcast on **Sportsworld** (Sat. 1405-1700). \*Only on frequencies intended for Europe at this time. Try 9410, 12095 and 15485.

Finally, there are several series which began in April that carry through into May. Consult April's EZL for further details. [Source: BBC Press Information and BBC On Air]



# Shortwave Center

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## QSLs at the Billy Graham Center

by Marlin Field

The Billy Graham Center at Wheaton, Illinois, has been in existence since 1980. A division of Wheaton College, it is dedicated to the study and promotion of world evangelism. It has three parts. Books and magazines received by the Center go to the BGC Library while artifacts go to the BGC Museum. The Archives, the third part, is a collection of documents about non-denominational Protestant evangelism and foreign mission work based in the United States, especially since about 1900. The Archival Reading Room is on the third floor of the Center. A staff member is always available to help those who come to the Reading Room. It is open daily Monday through Friday from 10:00 a.m. to 6:00 p.m., and on Saturday from 10:00 to 2:00, except during college holidays. The Archives include diaries, correspondence, business records, posters, films, slides, scrapbooks, audio tapes, videotapes, phonograph records, maps, photographs, and microfilms. Unlike the library, the material must be used in the Archives. Every year, according to Robert D. Shuster, Director of the Archives, "Hundreds of scholars, pastors, missionaries, authors, and college students use the documents housed there."

The Archives also now has seven large notebooks of QSL Cards, pennants, correspon-

dence, postcards, and news letters from over 160 Christian shortwave radio stations and programs aired over secular stations. These I donated to the Archives this year. Letters of confirmation that were in Spanish and Portuguese I translated into English. I also included copies of the articles I've written for *Fine Tuning* and *NASWA* on religious broadcasters since I started *DXing* in 1960.

My first contact with the Billy Graham Center was in 1981, one year after it opened. Even though Galen Wilson, my initial contact, was especially interested in my collection, I have some reservations about the gift after making my second contact late in 1996. What made me a little concerned was Mr. Shuster's statement in his letter, "The Archives is a collection of documents about Protestant evangelical and foreign missions work based in the United States," since many of my QSL's came from Catholic stations and stations whose home office was not in this country. After assurance from Mr. Shuster that my concerns would not be a problem and if the Archives didn't want my QSL's, he'd help me find a place for them, I mailed my collection to him. Needless to say I didn't have to avail myself of his offer. In reply he wrote, "It is amazing to see all the stations with which you have been in contact. Thanks for the notebooks. They are a fine addition and we are happy to have them."

## Radio Luz y Sonido

by Marlin Field

Radio Luz y Sonido was founded by the bishop of the diocese, Monseñor Hermann Artale. Located in Huanuco, it broadcasts on 3325 khz SW and 1515 khz MW. The city, located 1912 m. above sea level, has 694,824 inhabitants. The objective of Radio Luz y Sonido is to promote the human worth of the

campesinos, who are 80 percent of the residents of the diocese. The languages spoken are Spanish and three varieties of Quechua. Tourist attractions abound in the area, according to Orlando Bravo Jesus, who provided me with this information when he confirmed by reception report with the personal letter. He is 26 years of age. His address is Avenida 28 de Agosto 307, Paucarbamba, Huanuco, Peru.

# Radio France Asie— The Shortwave Voice Of France In The Far East

By Bob Padula, OAM

All times in UTC.

The 42nd anniversary of the last broadcast of Radio France Asie was recently recalled by some of us. It was on 27 February 1956 that the external shortwave broadcasting service, operated by the French Government from Saigon, located in what was known at the time as South Vietnam, broadcast for the final time, and regretfully said goodbye to its many listeners throughout the world. It had been on the air for some nine years, and had attracted a large following of listeners in many continents.

This, then, is a story about the origins and operations of Radio France Asie, which to some of us will bring back many pleasant memories of a shortwave broadcasting station long since gone. Only the QSLs, schedules, greeting cards and recollections now remain. Though France's Far Eastern shortwave radio voice is no longer heard, memories of it linger, with shortwave broadcasting in Vietnam taking on a new dimension in the four decades since.

## Background

What was to become known generally as French Indo-China was formed in 1887, consisting of the French protectorates of Annam, Tonkin, Cambodia and Laos, together with the French colony of Cochinchina. The French presence endured for over 50 years, until World War 2. By 1940, the Japanese occupied Vietnam for their strategic and economic purposes, even though the French authorities had continued to administer the colony.

By 1941, the Japanese had assumed complete military control over Indo-China, and French sovereignty was not formally displaced until early 1945. The Japanese had

amalgamated Annam, Cochinchina and Tonkin to form a new State of Vietnam under the Emperor of Annam, and as soon as the Japanese surrendered at the end of World War 2, the chief of the local Communist party, the Viet Minh, installed himself in the Government palace at Hanoi and proclaimed the Vietnam Republic. This was Ho Chi Minh, a man with long experience in the communist party and also in Europe. The revolutionary movement quickly spread, and it became evident that if the French wished to re-establish themselves it would not be easy. A large French expeditionary force was sent to Indo-China in 1946, and a concession was made in that the French recognised the republic of Vietnam, as an autonomous state within the French Union.

The issue of separate status for Cochinchina (later to become South Vietnam) had been raised in Paris, with no agreement being reached. At the end of 1946, Hanoi was relieved by French troops and Ho Chi Minh fled, following ongoing internal conflict and uprisings. The late 1940s was a period of intense and bitter internal struggle between communist desires for a nationalistic aim of a united country, while the French attempted to retain a reduced Vietnam, which was to have remained inside the French Union with the other Indo-Chinese states. By 1948, the French had recognised Cambodia and Laos as "associate states" and had agreed that Cochinchina was part of Vietnam.

In 1949, the Chinese were supplying arms to the communist guerilla forces in South Vietnam, and in that same year Tonkin, Annam and Cochinchina officially formed the republic of Vietnam. Laos had become an independent sovereign state within the French Union in 1949. In 1953, Communist Vietminh forces from Vietnam, aided by Pathet Lao rebels, invaded Laos, but in 1954, French Union and Vietminh troops withdrew from the country.

Cambodia was established in 1863 as a French protectorate and joined the French Union after the end of World War 2. It declared complete independence in 1953.

In 1954 following a conflict which was a disastrous loss to the French, at a place called Dien Bien Phu, a Geneva conference proposed that Vietnam be divided between the French and the Viet Minh, pending elections which it would hope would reunite the country. The elections never took place. What happened was that there opened up a period of many years of fierce conflict, ultimately resulting in the Vietnam War. The Geneva Agreement of 21 July 1954 partitioned Vietnam roughly along the 17th parallel, into North Vietnam, under Communist control, and South Vietnam, an arrangement which was sustained until reunification in 1975. In the same year, 1954, South Vietnam left the French Union and attained full sovereignty.

## Broadcasting

The Franco-Vietnamese convention of 1949 had permitted the French government to broadcast on Vietnam territory and Radio France Asie was established, known as "The Voice of France in the Far East". However, in 1956, the incoming South Vietnamese Government had decided to establish a monopoly on State broadcasting operated by the French, forcing the closure of Radio France Asie.

Radio France Asie operated from a Saigon via a single high-powered shortwave transmitter on 15430 in the 19 metre band. It was on the air every night broadcasting in English specifically to the target audience in Australia and New Zealand, from 0745-1000. That's 5.45pm to 8.00pm, Eastern Australian Standard Time. Occasionally, transmissions were extended to 1100. It had the mailing address of BP 412, Saigon, and its studios were located at 86, Rue du Marechal De Latre de Tassigny. Its director was M. Jean Varnoux.

My first reception of the station was on 23 February 1954, from my home in suburban Auburn, a Melbourne suburb, in the state of

Victoria, using a 5-valve dual-wave superhet receiver. It was in fact only the fifth SW station I had ever heard! My first log-book says that reception was very good, noted as QSA4. News was given each night from 0900-0915. There was a Listeners' Letterbox ever Friday night at 0830-0930 in which listeners' reports were acknowledged. The remainder of the program consisted of musical items, and a program schedule of the time asked us to listen each evening to a variety of musical forms, including cinema organ, gypsy music, accordion, rhapsodies, ballet pieces, chamber music, opera, symphony concerts, and Jazz. Other features included "Letter from Paris" and "Indo-China Letter".

Radio France Asie also broadcast to Europe from 1400-1515 on 9775 from the same transmitter.

From 1955 onwards, external broadcasts from the newly created North Vietnam originated from Hanoi, known as the Voice of Vietnam (as it is today!) and frequencies used were 9925 or 9940 with English from 1000-1100, at the same time as Radio France Asie's English broadcasts!

Radio France Asie put in a very strong and reliable signal across Australia each evening, and was well heard. Its Letterbox Program was very popular, and each year the station would send a very attractive colored greeting card showing a hand painted Vietnamese scene.

The broadcast on 15430 was also heard quite well in Europe via short-path for midday reception there.

## After Partitioning?

What happened to the SW transmitter after 1956? The technical facilities were taken over by the incoming administration, known as "Radio Vietnam - VTVN", ("La Voix de la Republique de Viet Nam"), "The Radio Broadcasting System of Vietnam", (also known as the National Broadcasting System of Vietnam) and the former Radio France Asie external service was never replaced.

For some 20 years after 1956, VTVN operated a shortwave network for regional, provincial and external broadcasts, using such frequencies as 4810, 4877, 6116, 6165, 7265, 9620, 9670, 9720, 9755, and 11950. Powers ranged from 10 kW to 200 kW, with four networks, but only three networks were available on short-wave. The Forces Program Network was also heard on short-wave, using 7245, with 20 kW, which operated from 2200-1600 UTC. The third network was the Overseas Service, using 9755 with programs in English, French, Thai, and Cambodian. The English segment was aired daily from 2330-0000 and 1230-1300. Cantonese and Standard Chinese were broadcast on 7245, sharing this channel with the Forces' Broadcasts. Vietnamese programming in the Overseas Service was available from 2200-1600 on 9620, 6165, and 4877 and all of these outlets were well heard here in Australia. This External Service continued until about 1975. In the 1960's, on medium-wave, the Voice of America operated a 50 kW transmitter

## Effects of Reunification

In 1975, it appears that all shortwave facilities in South Vietnam were either closed down or destroyed, as I am not aware of the survival of any beyond that date. My last QSL from South Vietnam was for 7175, for reception in October 1973. From 1975, "Radio Liberation" programming originating from Hanoi was heard over what remained of the medium-wave facilities from the Saigon (Ho Chi Minh City) area. As of now, little reliable information is available on the extent of shortwave broadcasting from what was formerly South Vietnam, and it seems that there is no official shortwave broadcasting structure in place in the region, whose populace relies almost entirely on medium-wave transmissions, or short-wave broadcasts from Hanoi.

Since reunification, the Voice of Vietnam has continued to put out its External Service in some 15 languages, including English, from Hanoi, and it uses relay facilities in Russia.

I can recall quite easily the closing announcement of Radio France Asie way back on February 19 1956 at the end of its final

English program. I look back with sentimentality and nostalgia at the period, and as a schoolboy I was not to know that I had been listening to what was to become one of the most saddest periods in the history of Indo-China in the years which followed.

## The Present Era

Nowadays, broadcasting from France to the Indo-China Peninsula is supported by direct one-hour shortwave daily transmissions from Paris in Vietnamese, Lao, and Khmere (Cambodian), Mandarin (two hours), English (two hours) and French (3.5 hours). Extensive use is made of relay facilities in Japan, the Russian Far East, and China.

On medium-wave, French language evening relays from Paris are carried by the 1000 kW transmitter at Kunming (China) on 1296 from 1600-1700, for Northern Vietnam and Laos, and on 684 khz, 1300-1400, directed to Southern Vietnam. The evening service in Vietnamese is also broadcast from 1500-1600 on 1296 via Kunming, a repeat of the shortwave broadcast from 1400-1500 on 6120 from the relay at Yamata (Japan).

.....  
Only the QSLs,  
schedules,  
greeting cards  
and recollections  
now remain.  
Though France's Far East-  
ern shortwave radio voice is  
no longer heard,  
memories of it linger....  
.....

I still have my Radio France Asie program schedules, Christmas Cards, QSLs and the final official letter advising of the imminent closure of the station, which are some of my most valued and treasured mementos of many years international broadcast listening.

Radio France Asie—long gone, but not forgotten!

# Listener's Library

T. J. "Skip" Arøy N2EI

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Internet: tjarey@mosquito.com

I'm writing this while on a road trip for my job. It's been a while since I jammed on a DOS based laptop (I'm way too cheap to buy a new one) but we'll give it a shot anyway. For you geeks with many years of home computing I'm using LotusWorks as the word processor. That should take a few people back. Two great books and a new magazine to take a look at.

## *Hobby Broadcasting*

Editor Andrew Yoder

Published quarterly

Annual Rates

\$12 in the U.S.

\$15 Canada via Surface

\$19 Canada Via Air

\$17 everywhere else surface

\$25 everywhere else Air

Cabinet Communications

PO Box 642

Monto Alto, PA 17237

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<http://www.frn.net/rfi>

Andy is at it again. His latest venture looks like it should garner accolades similar to his previous publishing ventures. Most radio hobbyists have an interest in broadcasting. Recent developments in such areas as part 15 broadcasting and other forms of "microcasting" make the entry of such a magazine very timely. At this year's Kulpville Fest there were several active part 15 stations operating from various locations throughout the hotel. It is possible to set up a practical (even legal) personal broadcasting system that can not only be fun and educational but can also serve the surrounding community. This new magazine will address all the various aspects of hobby broadcasting including hardware, programming and even the all important legal aspects. The magazine will also look into newer technologies such as netcasting. The magazine is already garnering advertising support.

This first issue is nicely produced on heavy paper. It include 31 pages of informative material including articles on improving your FM transmitter, tips on radio syndication, FM community broadcasting. There are also a feedback section and an airplay section that reviews new music releases.

If you have an interest in this area of the radio hobby why not hop on board with a subscription. Ask Andy to back date you to the Spring 1998 issue so you can have a complete set from Volume 1 number 1.

We keep hearing that we are in a period of high prosperity. Low unemployment, great interest rates, the yen is down so radios are cheap. So why are there several books on survival and emergency communications in my reading recently? Well we are not talking about the kind of paranoid stuff that was so popular in the seventies. Even though things are right with the world, mother nature can still rain (literally) on your parade.

## *When The Big One Hits*

*A Survival Guide for Amateur Radio Operators*

by Jerry Boyd M.S. KG6LF

Jay Boyd PH.D. KN6BP

46 pages

\$7.50 + \$2.00 S&H

Worldradio Books

PO Box 189490

Sacramento, CA 95818

(916) 457-3655

Jerry and Jay are a husband and wife team of hams who also have an interesting background. Jerry is the Director of Emergency Management for the City of Martinez California and has served as Chief of Police. Jay holds a PhD in Psychology. Together they own a consulting firm specializing in public safety communications. This background makes them most qualified for authoring such a book.

Any of us can find ourselves in the path of a natural disaster or some less natural events such as explosions or hazardous materials situations. As radio hobbyists we need to take a few steps to keep our communications gear in working order. We also should put a little thought into taking care of our near and dear ones during such a difficult time. This book divides the examination of these issues through a series of dedicated sections. Section one covers most common emergencies and disasters, Section two gets down to the

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**At this year's  
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educational but can also serve  
the surrounding community.**


---

nitty gritty of survival preparedness. This is no "head for the hills" paranoid plan. These are practical concepts and skills that we all should put some effort into before anything happens. Section three explains how amateur radio is essential communication in times of real emergencies. If you're not already a ham, you may find the motivation to take a few tests after reading this section as well as section six which deals with specific amateur practices. Section four covers event specific survival tips. Section five is a very interesting look at the emotional and psychological effects of being involved in a disaster. Finally, section seven covers a series of checklists about equipment and personal items.

I've been involved in amateur radio emergency communications for twenty years and this book still taught me few things. It includes information that can help you weather (literally again) any storm.

Lately I can't get enough of CW. Maybe it's because this road trip has me near Fredericksburg, VA and I took time to see the old telegraph system at the Union Headquarters at Chatham Mansion. Perhaps it's a sure sign I'm well on my way to becoming an "Old Poop" but I think it's really just fun to get down to the most basic form of radio communication.

**Morse Code:  
Breaking The Barrier  
The Fastest, Most Effective Path to Code  
Proficiency**  
By Dave Finley N1IRZ  
101 Pages  
MFJ Publishing Company  
Starkville, MS 39759  
ISBN# 1-891237-19-5

This is an interesting book in terms of its scope. First it is a history of the early days of telegraphy all the way from Samuel F.B. Morse himself. Then it gets into the real stuff of learning. The author is a proponent of the "Koch" method of learning the code. This method was developed by German Psychologist Ludwig Koch in 1936 and was essentially ignored for many years. Mr. Finley applies the use of modern technology to advance this forgotten technique. The author claims this method will allow the user to break through the traditionally accepted code barriers that seem to occur for folks at 10 and 18 words per minute. The author takes the reader by the hand through not just learning the code but also on to getting on the air for that anxiety producing "first contact". The book also gives a good accounting of MFJ's model 418 Morse Code Trainer. I demonstrated this little device to several folks at Kulpsville this year and recently reviewed it in Monitoring Times. If you have given thought to joining us folks down on the HF bands (and with the sunspot cycle picking up there is much DX to be worked) this book might be the tool to take you over the top. 

## The MFJ 1048 Passive Preselector

In the the old days, quality receivers had a tuned front end, a tunable radio frequency amplifier stage at the antenna input. This not only provided improved sensitivity, but also improved the receiver's image rejection capability. Images are a fact of life with superheterodyne receivers, which work by converting the radio signal to an *intermediate frequency* which is traditionally lower than the station's actual frequency. This conversion process consists of mixing the incoming radio signal with a signal generated within the radio by the *local oscillator*. This mixing process produces four main products—the original signal, the oscillator signal and signals which are the sum and difference of the first two. As an example, take the case of a single conversion radio. The incoming signal is at 600 kHz. The local oscillator is tuned to 1055 kHz. The difference frequency is 455 kHz, which is the standard intermediate frequency for such radios. The sum frequency is 1655 kHz, which is high enough in frequency that it will be significantly rejected by the tuned stages of the IF amplifiers. However, if there is a station broadcasting on 1510 kHz, it can mix with the local oscillator signal resulting in a difference signal of 455 kHz, which will pass along the IF/audio chain with the desired station's signal. Having a tuned stage prior to the first mixer stage provides selectivity and helps reject the station that is responsible for the image problem.

As receiver technology progressed, it became possible to build stable high frequency oscillators which permitted the utilization of high first IF frequencies—typically 45 or 70

MHz. The image frequency is so far removed from the desired signal that a simple low-pass filter (usually with a cut-off frequency of 30 MHz) is all that is required to reject the image frequency. This innovation began to be incorporated into receivers in the mid-70's, and now, nearly all receivers use some variation on this design.

The down-side of this configuration is that the first mixer is "wide open" to all the signals in the HF spectrum below 30 MHz. The problem of images was replaced by that of receiver overloading (*dynamic range*). Strong signals which lie within the passband of the front-end lowpass filter, but far from the desired signal, can cause distortion, increased noise and spurious signals. This new problem was compounded by the switch to solid state devices, which, until fairly recently, have not been the equal of tubes in their strong-signal handling capability in mixer applications. This is why very few tube receivers have "Attenuator" controls, and why they are prevalent on solid-state receivers.

In an effort to combat this problem, manufacturers began to incorporate switched bandpass filters in the front-end in addition to attenuators. These are typically one octave in bandwidth, i.e. cutoffs of 3 and 6 MHz, 6 and 12 MHz, etc. This is a step in the right direction, but the filter response is wider than ideal. For instance, when listening to tropical stations on 60 meters, strong 49 meter signals are being presented to the first mixer at full strength.

## Where's the review?

That was a bit of a long-winded introduction, but necessary to understand the potential benefits of a preselector, such as the MFJ-1048. A preselector is a tuned circuit that connects between the antenna and the receiver to provide front-end selectivity. The MFJ-1048 covers the range of 1.6 to 33 MHz in six ranges: 1.6–2.8, 2.4–4.3, 4.0–7.0, 6.4–11.5, 10.5–19.0 and 18–33 MHz. Each of these ranges is selected by a rotary switch and tuned by an air variable capacitor with a 3.5:1 reduction drive and large knob for smooth tuning. The '1048 includes a RF sensing circuit to automatically switch the unit off-line when transmitting with a transmitter. There is also a front panel pushbutton switch to bypass the unit and a knob to set the delay time for automatic transmit/receive switching. The MFJ-1046 lacks the RF sensing circuit and relay, costs \$20 less and is designed for receive-only applications or

.....  
**In the the old days,  
quality receivers had a  
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.....

transceivers with a separate receive antenna loop. Either model is housed in a compact 7½ x 2½ x 3¼ inch black enclosure. There are SO-239 connectors for antenna input and output to the receiver. There is a "barrel" power connector for 12 volts DC—although the actual preselector is passive, the RF sensing circuitry does require power. No AC adaptor is supplied with the unit, but the MFJ-1312B is available for an additional \$12.95. Overall construction quality is good and the unit is solid.


## Does it work?

Once the '1048 is in-line, adjustment is basic—set the bandswitch for the desired frequency range and adjust the tuning knob for a signal peak. There is a dial pointer with a red hairline that can be used along with the

calibrated dial to pretune the unit, but final peaking will best be done by ear or by observing the receiver's S-meter. The unit gives a sharp peak, so there's little ambiguity about whether or not it's tuned correctly.

The MFJ-1048 is a passive unit, so there is some slight signal loss when the unit is in-line. The manual states that this is less than 5 dB maximum when the unit is correctly tuned. This amount of loss should present no problem with any reasonable antenna—sensitivity is really no longer a problem with modern receivers and a bit of front end attenuation is usually a good thing. The overall bandwidth of the preselector will vary with the frequency to which it is tuned. The instruction manual has a graph showing the preselector peaked at 7 MHz—the response is down 10 dB at 6 and 8 MHz and the -20 dB points are at approximately 4 and 10 MHz.

I tried the MFJ-1048 with a variety of receivers and found that it gave a sharp tuning peak with all of them. I am a big believer in the theoretical advantages of tuned preselectors such as the '1048 or the Lowe PR-150, but I must admit that despite close scrutiny, I was unable to detect a distinct audible advantage when the '1048 was used. This may be due to the inherently lower signal levels here near the West Coast or perhaps due to the fact that I used the unit with receivers with high dynamic range front-ends (AOR AR-7030 and JRC NRD-535). I pulled out a Realistic DX-302, which is notorious for overloading, and used it with the MFJ-1048. I was able to detect a noticeable reduction in the noise and cross-modulation with this setup, but got essentially the same result by switching in the receiver's attenuator switch. Individual results will probably vary based on what strong local broadcasters are present, the receiver used and overall signal strength due to geographic location and antenna quality.

The MFJ-1048 retails for \$119.95 and the MFJ-1046 for \$99.95. MFJ Enterprises' mail address is P.O. Box 494, Mississippi State, MS 39762; phone numbers are (800) 647-1800 for orders and (601) 323-5869 for tech info. Their Website is at <http://www.mfjenterprises.com>; E-mail address is [mfj@mfjenterprises.com](mailto:mfj@mfjenterprises.com). 

# Listener's Notebook

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**EDITOR'S NOTE** This column has been butchered to about half its submitted length by a desperate editor searching for space. Next month's column should contain most of the deleted material. [Sorry, Al. -RB]

**AFGHANISTAN** 7200 *Radio Voice of Sharia*: After several tries since receiving them back in Oct 1996 they now replied by a partly detailed letter of confirmation. v/s A. Rahaman Nasser, Dep. Eng. (Pres. of Planning & Foreign Relations, Afghan Radio TV, P.O.Box 544, Kabul), writes that Radio Voice of Sharia (ex-Radio Afghanistan) altogether has a staff of over 1000 people working in program and technical sections. They broadcast 13 programs hours a day, including half an hour of English and Urdu programming. Freqs mentioned: 1107, 1278, 9635 kcs.—So, may be after quite a long time of silence since the Taliban took over power, the Afghan broadcast station might now have resumed answering letters from foreign listeners. (11-Apr/Kuhl-FRG/WWDXC TopNews/Bueschel-FRG)

**ALBANIA** *Trans World Radio* (TWR) from Cerrik (except S-Shijak), Z98:

0500-0515	Kurdish	11635
0515-0530	Polish	7385S 9670 Fr-We
0645-0835	English	9685 Sa
0645-0850	English	9685 Su
0655-0820	English	9685 Mo-Fr
0830-0845	Hungarian	7385S 9490 Tu-Sa
1340-1355	Russian	9485 11635 Su
1340-1440	Russian	9485 11635 Sa
1340-1455	Russian	9485 11635 Tu-Fr
1355-1455	Russian	9485 11635 Mo
1444-1502	Kurdish	11625
1500-1530	Polish	9485
1500-1530	Polish	7385S
1502-1517	Armenian	9660 12080 Sa/Su
1502-1532	Armenian	9660 12080 Mo-Fr
1630-1730	Farsi	9475 12085
1800-1815	Russian	6240 9925 Sa
1830-1900	Finnish	9905 Mo-Fr
1900-1930	Norwegian	9905 Mo-Fr
1930-2000	Swedish	9905 Mo-Fr

(17-Mar/TWR Europe/RL & WB/WWDXC DXM/Kubiak-FRG)

**ANGOLA** On the eve of April 2, Radio *VORGAN* broadcast its last transmission: an extended program to mark the occasion and offer hope that the recent political developments in Angola will bring an end to the two decade old civil war. *VORGAN* (a

*Voz Resistencia do Galo Negro*) was originally scheduled to sign off on Feb 28 as part of the UN-brokered Lusaka Protocol peace agreement, however, negotiations degenerated into continued violence and the date was pushed back to Mar 30. On April 1, the UNITA representative to the Joint Commission which is overseeing the Lusaka Protocol being put into practice, Isaias Samakuva, announced to reporters in Luanda that the station would sign off later that night. His announcement was later confirmed by an anonymous source within BBCM as well as UNITA members in Washington who were contacted by CRI on Friday. Now that *VORGAN* is gone, the question remains as to where the 4 "containers" CRI discovered were being used for broadcasts will go. Unless the government in Luanda demands possession of the facilities to ensure compliance, the equipment could conceivably end up in former UNITA camps in Zambia or Congo. (4-Apr/Grace/Clandestine Radio Intel/DSWCI DX-Window/van den Boogert-HOL)

**ANTARCTICA** 15476 *LRA36* currently is broadcasting only on Mon, Wed & Fri from 1900-2100 only in Spanish and Portuguese. From 1900-2030 Spanish and 2030-2100 Portuguese with a robotic antenna and a Philips transmitter of 1 KW. On the next week the station will start a dx-pgm that will be called 'DX ANTARTICO'. As you see, not FR and EG programs on this year through *LRA36*. (Barrera-ARG)

**ARGENTINA** Harmonic on 4199.2 (3x1400) is *Canaan Celestial*, opens at \*1030. It's a new Argentinian unofficial station belonging to Cadena Celestial and they transmit from Isidro Casanova, Province of Buenos Aires. station tel. nr is 54-1-4853796. They started transmissions in early April. Their unconfirmed QTH is an evangelical church. (15-Apr/Cornachioni-ARG/Barrera-ARG/Nigro-URU).

11133.00 USB *LR5 La Red*, Buenos Aires, 1113-1200 fair, News show including "Agenda Deportiva," "Panorama de Hoy" and meteorological report. At 1200 short ID was heard with its slogan "la radio del deporte." (4-Apr/TIN-JPN) ARMENIA VoArmenia Yerevan, English see now earlier at 2015 on 9965. (16-Apr/WoR/Hausser/WWDXC TopNews/Bueschel-FRG)

**AUSTRALIA** *Radio Australia* losing listeners over poor transmission. Radio Australia management says listeners will continue to switch off the sce because of poor reception unless the transmitters near Darwin are reopened. The 50m-dollar Cox Peninsula site near Darwin was closed last year because of budget cuts. (BBCM)

**BELARUS** Radio station Belarus—*Radio Minsk*—German service Z98:

0430-0500 7210 11960 Su/Th  
0530-0600 7210 11960 Su  
1930-2000 7210 11960 We/Sa/Su  
2030-2100 7210 11960 We/Sa/Su

(24-Mar/Chlebus/Bueschel/WWDXC DXM/Kubiak-FRG)

**BELGIUM** After seven years of silence on SW, Belgium French language community radio *RTBF* Brussels is planning to go back on SW. Start is uncertain though. There are no left over transmitters at Wavre, the Belgium SW transmission center site near Brussels. So, RTBF will rent broadcasting time on foreign SW relay stations. RTBF [Radio-Television Belge de la Communauté Française] was looking for ways to regain a place in the world of international radio. RTBF is the public broadcaster of the French-speaking community in Belgium. Nearly seven years ago the station stopped all SW transmissions. RTBF has already contacted VRT and German radio to inquire about prices. Now wouldn't that be just an ironic quirk of history: RTBF hiring airtime on the very transmitter it sold to VRT—Radio Vlaanderen Internationaal. (12-Apr/RVI Radio World/BBCM)

**BOLIVIA** 4649.03R. *Santa Ana*, Santa Ana del Yacuma, Beni, 0000 program of comunicados read by M without music or any special effects. Frequent "Santa Ana La Radio" quasi-ids. (14-Apr/Novello-NC)

4552.28 *Rdif. Tropic*, Trinidad, Beni, 0134 with low-key man apparently going through signoff routine including a couple of IDs. Programming ended without anthem 0135. (13-Apr/Novello-NC)

4864.40 *R. 16 de Marzo*, Antequera, Oruro, 2345, suspected the one with pretty Andean music played on pipes, occasional W announcer, and practically no ads. Strong and steady signal fighting QRN. 0159 foghorn QRM set in, but "R diez y seis de marzo...banda internacional de 60 metros...buenos noches" definite during short signoff routine by M announcer. Short choral piece, then off 0200. (18-Apr/Novello-NC)

**BRAZIL** *Radiobras* for Z98:

0115-0215 Portuguese 11780  
0415-0515 Portuguese 11765  
0700-0800 Portuguese 9745  
1000-1120 Spanish 9745  
1200-1320 English 15445  
1330-1450 Spanish 15445

1630-1750 Portuguese 15265  
1800-1920 English 15265  
1800-1920 Portuguese 17750  
1920-2400 Portuguese 17750 Su  
1930-2050 German 15265

(4-Apr/Comite Brasileiro de Radioescuta/BCDX/DSWCI DX-Window/van den Boogert-HOL) via BC-DX)

4945.0 *Emissora Rural*, Petrolina, 2316-0002, Instant ID with long station promo. Probably same station heard April 2 at 0200 without ID and a "talk radio" format. Signal weaker tonight with man being interviewed, ending towards 0000 with a terrific piece of vocal jazz in Portuguese, the kind of music Brazil was once(?) famous for. "Rural do Petrolina" at 0000. (2-3-Apr/Pijpers/DSWCI DX-Window/van den Boogert-HOL)

5950.34 *R. Nova Visao*, this new SW outlet was first noted at 1200-1300 Mar 22 with some programming produced by TWR. "Ponto de Encontro," a life consultation program in which doctor and lawyer give advice to listeners on air, was hrd until 1230, followed by a religious mx program entitled "Adoracao Total." At 1300, full canned ID by M anc as "Voce esta na sintonia da Nova Visao, uma emissora da Fundacao Brasileira de Comunicacao, transmitiendo de Santa Maria do Rio Grande do Sul. ZYE858, ondas curtas de 25 metros, frecuencia de 11705 kHz, ZYE859, ondas curtas de 31 metros, frecuencia de 9530 kHz, e ZYE857, ondas curtas de 49 metros, frecuencia de 5965 kHz, retransmitiendo a programacao da R. Trans Mundial. A R. Trans Mundial, a radio que esta com a palavra." The other outlets ment. in the ID were not audible at the time. (Omiya-BRZ/Numero Uno/DSWCI DX-Window/van Den Boogert-HOL)

15414.79 *Manchete FM* via *R. Clube de Ribeirao Preto*, was noted at 1730-1830 Mar 1, again by Yuji Omiya, Brazil. The station carried gospel mx program contracted by Igreja Renascerem Cristo, advertising videos and book store related to the religious organization. Sometimes it IDed as "Manchete FM, Gospel em primeiro lugar," but no R. Clube ID was given. As of late March 1998, this FM station has not been hrd here. (TIN-JPN/Numero Uno/DSWCI DX-Window/van Den Boogert-HOL)

**CANADA** (via **RUSSIA**) *Radio Asia Canada* broadcasts via satellite and has also applied for a license to broadcast in the Toronto area on medium-wave. In early 1998 it began a shortwave service aimed at Sri Lanka via a hired transmitter in Central Asia. Address: Radio Asia Canada, 1-680 Progress Avenue, Scarborough, Ont M1H 3A5 Tel: +1-416-289-1255 Fax: +1-416-289-1840 E-mail: philipk@radioasiacanada.ca URL: www.radioasiacanada.ca (RealAudio available)  
1400-1500 Tamil 15510

(BBCM) On weekends it seems the program is extended to 2 hrs. (Dasgupta-IND/DSWCI DX-Window/van Den Boogert-HOL) RAC management announced

also new test on //9825 kHz from unknown transmitter site. (6-8-Apr/Lieberwirth-FRG/Dasgupta-IND/WWDXC TopNews/Bueschel-FRG)

**CHILE** 21550 R. *Vision Cristiana* 1549 resuming test transmissions. Hrd on Apr 6, w/mx and canned ID anmts, alternately in Spanish and English, giving already known e-mail and snail addr and fax number, approx. every 15'. At 1603 a short test tone started and the carrier went off for seconds, reappearing w/ SP ID and mx following agn. As in former occasions mx sounds better than voice. (Ni-gro-URU)

**CHINA (TAIWAN)** This announcement was heard at 2214 on April 12 from Radio Taipei International, 15600 kHz: "Starting from April 16th, the *Voice of Asia*, which was briefly merged with Radio Taipei International, will resume its callsign again. What's more, it will have a new format, new frequency, and new voices, too. Besides transmitting to Southeast Asia on 7445 and 585 kHz, the Voice of Asia will launch a new frequency on 900 kHz for mainland China. So be sure to tune in to the Voice of Asia, starting from April 16th, and meet some of the most interesting radio personalities on the air." (Novello-NC)

7445 *Voice of Asia* 1530-1700 talk by man in Thai, music (Japanese popular songs), ID "Thai Program, Voice of Asia..." Indonesian program from 1600, talk, music, CC lesson, 1700 s/off. This is the first day broadcast of the revived Voice of Asia, which had been temporarily merged with Radio Taipei Int. from January 1, 1998. (16-Apr/Ashimori-JPN)

11745 NF *Voice of Asia* 1600 s/on in Indonesian, ID "Radio Suara Asia," news, music, talk. CBS-Radio Taipei International here in Vietnamese until 1600, and the two stations obviously share the same transmitter. //7445 after 1600 only. Until 1600, 7445 carries Voice of Asia in Thai. (17-Apr/Ashimori-JPN)

**CLANDESTINE—MIDEAST** *Republic of Iraq Radio, Voice of the Iraqi People*, likely via Saudi Arabia:

1300-2400 Arabic 9568 9563  
(BBCM)

**CONGO (DEMOCRATIC REPUBLIC)** 5066.3, *La Voix du Peuple*, Bunia, 1756-1800\*, Afro music. Off air a few seconds after 1800 UTC, without any announcement, ID or NA. 33443 (11-Apr/Veldhuis/DSWCI DX-Window/van Den Boogert-HOL)

**COSTA RICA** *Adventist World Radio (AWR)* via Cahuita Z98:

0000-0100	English	13750 9725 5030
0000-0200	Portuguese	15460
0100-0200	Spanish	13750 9725 5030
0200-0300	Spanish	13750 9725 7375 5030

0300-0500	Spanish	9725 7375 5030
0400-1400	Spanish	9725
0900-1000	Portuguese	7375
1000-1300	Spanish	7375 5030
1300-1400	Spanish	11870 5030
1400-1700	Spanish	9725 Sa/Su
1930-2000	Papiamento	13750 Sa
2300-0000	Portuguese	15460

(BBCM)

**ECUADOR** Interview with John Beck, Station Manager, HCJB, regarding reports of closure of Pifo transmitter site because will be in flight path of proposed new airport. Stated that it is not known when or if construction of the new airport near Pifo is to take place. May be in next couple of years or in 15-20 years time. No firm decision has been made by the Ecuadorian government in regard to the building of the new airport. Is 80% certain that the present government will not build new airport but it is not known whether the new government will proceed with the project. Elections are to be held in August 1998. HCJB are examining options: looking at 6-7 properties in Ecuador where a new site could be located. They are looking to expand the UK relays as have been successful. This of course would have implications for any new Ecuadorian site. (4-Apr/DXPL/Ogrizek/EDXP/DSWCI DX-Window/van den Boogert-HOL) via EDXP)

**ETHIOPIA** *Radio Ethiopia*, Gedja, 7165.00, 1652 English interview between two M, one of them clearly of UK origin. This was followed by W announcement and Ethiopian folk song. M ID at 1658, followed by interval signal and starting French program with "Bon Soir." Blocked by carrier at 16.58 by Radio Free Europe, signing on with Moldavian program at 1700. (10-Apr/Schaay/DSWCI DX-Window/van Den Boogert-HOL)

**GEORGIA** *Voice of Free Tibet*, Tbilisi, 15605.00, 1226 M speaker in presumed Tibetan, soundbyte of what sounds like shouting at a political demonstration. Studio speaker mentioning UN Secretary General Kofi Anan. (16-Apr/Schaay-HOL)

*Voice of Hope* via Georgia is now using 12125 (ex 12120) at 1400-1630 hrs in English and Indian vernaculars. (Dasgupta-IND/DSWCI DX-Window/van Den Boogert-HOL)

**GERMANY** *Adventist World Radio (AWR)* via Jülich, Z98:

0300-0400	Bulgarian	5840
0800-0900	Arabic	15620
0800-0900	Italian	7230
0900-0930	French	15620
1530-1600	Kazakh	15620 Su/We
1530-1600	Kyrgyz	15620 Mo/Th
1530-1600	Uzbek	15620 Tu/Fr
1530-1600	Russian	15620 Sa
1600-1700	Bulgarian	5890

1700-1800	Romanian	5890
2000-2030	French	9835
2030-2100	English	9835
2100-2130	Arabic	5890
2130-2200	Dyula	9835
2200-2230	French	5890

(BBCM)

**German Telekom Jülich Z98 for Brother Stair:**

5900	1000-1200
9885	2000-2200
13810	1600-1800

(28-Mar/Bueschel-FRG/WWDXC DXM/Kubiak-FRG)

**GERMANY/ETHIOPIA 5910 Radio Rainbow** (not Rainbow Radio as written elsewhere) kind of confirmed my reception report by a "Thank you for your reception report" letter with no further details; v/s was T. Assefa. Letterhead shows station name in local language as Radio Arc-En-Ciel. The group behind this operation calls itself GRAPECA—Groupe de Recherche et d'Action pour la Paix en Ethiopie et dans la Corne de l'Afrique, RAGPEHA—Research and Action Group for Peace in Ethiopia and the Horn of Africa. Thanks to Martin Schoech of CRW for finding out their address: c/o P.O. Box 140 104, 53056 Bonn, Germany. (8-Apr/Kuhl/DSWCI DX-Window/van Den Boogert-HOL)

**GREECE** Last chance to hear the **VOA** relay at Rhodes before it is shut down this July. Current schedule is: AA 0400-0600 5965, 9865; Kurdish 1700-1800 6040, 7105; AA 1800-2100 6040, 7105; EE 6040. all 50 kW of power. (11-Apr/VoA CW/Francis/EDXP/WWDXC TopNews/Bueschel-FRG) Two new 250-kW SW transmitters are being installed at VOA's Kavala station in NoGRC to replace the Rhodes facility. However, VOA's MW relay transmitter on 1260 will remain at Rhodes, although it will in future be automated and controlled from Kavala. (BBCM)

**INDONESIA 2899.0 RPDT2 Ngada** (p). Jakarta news relay until 1215, then W talk. At 1219 local pops. Poor. (11-Apr/Yamada-JPN/Jembatan DX)

3264.6 **RRI Gorontalo**, signed on at 2054 then IS. Opening music at 2057 which is same as opening music of RRI Jakarta Programa Nasional Dua, opening anmt including ID by W. SCI at 2058. Jakarta news relay at 2100. Fair. (11-Apr/Yamada-JPN/Jembatan DX)

3355.3 Unidentified. SCI was heard at 1459. Very poor. (11-Apr/Yamada-JPN/Jembatan DX)

3374.8v Unidentified. Jakarta news relay at 1304. Presumed ID was heard at 1309, then talk by W. Still heard at 1401 but already gone out at 1406. Poor. RRI Medan? 4766kHz was not heard. (11-Apr/Yamada-JPN/Jembatan DX)

3395.1 **RRI Tanjungkarang**(p), Allnight wayang kulit program at 2040. Jakarta news relay was

not heard at 2100. The station was already not heard at 2112. Poor. (11-Apr/Yamada-JPN/Jembatan DX)

3904.8 **RRI Banda Aceh** (p), Indonesian pop music and M talk at 1413. Signed off at 1457. RRI Merauke on 3905.0kHz was finished at 1400. Fair. (11-Apr/Yamada-JPN/Jembatan DX)

3960.2 **RRI Palu**(p), Talk at 1245. Local pops at 1252. SCI at 1258. Poor. (11-Apr/Yamada-JPN/Jembatan DX)

3976.0 **RRI Pontianak**. Although other station relayed Jakarta news, the station broadcast Rayuan Pulau Kelapa melody from own studio at 1302-1307). Anmt of not relaying Jakarta news and ID at 1308 as "Inilah Radio Republik Indonesia Pontianak, Programa Regional," then silence. At 1311 local news in local language. Fair. (16-Apr/Yamada-JPN/Jembatan DX)

4075.9 **RRI Pontianak** (spur of 3976kHz). Local pops program at 1426. Apparently //3976.0kHz. Poor. At last I confirmed the station was not RPDT2 Blitar. (11-Apr/Yamada-JPN/Jembatan DX)

4606.4 **RRI Serui**, NA at 1141, followed by man in Indonesian comments. At 1144 music presented. Signal was fair. (10-Apr/Bolland/DSWCI DX-Window/van Den Boogert-HOL)

4753.3 **RRI Ujung Pandang**. "Siaran Pendidikan" at 1345. English pops at 1251. IS and time pips at 1400 then local news as "Warta Berita Antar Kabupaten dan Kotamadya Sulawesi Selatan." Fair. (8-Apr/Yamada-JPN/Jembatan DX)

4777.11 **RRI Jakarta**, 1055-1105, woman in Indonesian comments followed by music at 1055. At about 1057 man gives ID. This followed with theme music until the hour. Then JAK news. (10-Apr/Bolland/DSWCI DX-Window/van Den Boogert-HOL)

4789.1 **RRI Fak Fak**(p). Live talk program by M at 1204. and not relayed Jakarta news. Fair. Not heard on 7231.1kHz at this time. (11-Apr/Yamada-JPN/Jembatan DX)

4845.21 **RRI Ambon**, 1102-1115, Initially noted a man in JAK news. This followed by woman presenting music. Signal was good. (10-Apr/Bolland/DSWCI DX-Window/van Den Boogert-HOL)

4874.55 **RRI Sorong**, 1110-1120, news until 1110, then woman presents Indo Pops. Signal was good. (10-Apr/Bolland/DSWCI DX-Window/van Den Boogert-HOL) RRI Sorong. Local news was heard at 1105. Usually Jakarta news entitled "Aneka Berita" was heard at this time. I do not know weather this is the change of schedule or irregular schedule. ID was heard at 1112 as "Radio Republik Indonesia Sorong, Programa Satu" then local pops. Fair. (07-Apr/Yamada-JPN/Jembatan DX)

4925.0 **RRI Jambi**, 2208 talk by woman and ID and freq was given by man at 2210 followed by

Qu'ran recital and religious talk. Good reception (4-Apr/Vaghjee-MAU/DSWCI DX-Window/van Den Boogert-HOL)

5040.0 RRI Pekanbaru 2330-2345, chime, time pips and then ID was given RRI Pekanbaru by woman followed by a short announcement and then news, Good reception. (5-Apr/Vaghjee-MAU/DSWCI DX-Window/van Den Boogert-HOL)

9552.3 RRI Ujung Pandang. Dangdut music and W talk at 0741. SCI at 0759. Jakarta news relay at 0800. "Siaran Terpadu" by RRI Jakarta at 0810. Signed off at 0827. Fair. (11-Apr/Yamada-JPN/Jembatan DX)

9565.0 RRI Jakarta 1038 in Indonesian, with ad and then a lengthy interview of man on phone by woman in studio, Indo music followed. Good. (19-Apr/Sellers-ONT)

9741.6 RRI Sorong (p), Jakarta news relay at 2203. Instrumental music at 2207. Talk by M at 2209. Poor. (11-Apr/Yamada-JPN/Jembatan DX)

According to my monitor at Irozaki DX Pediton, Shizuoka, following stations were not heard and are presumed inactive:

3205 RRI Bandung  
3223 RRI Mataram  
3224.8 RRI Tanjung Pinang  
3385 RRI Kupang  
4766 RRI Medan  
4874.6 RRI Sorong  
5059 RRI Yogyakarta  
6153 RRI Biak

(Yamada-JPN/Jembatan DX)

IRAN VOIRI noted in English 0030-0130 on unannounced 9650 (apparently replacing the 49m frequency) parallel to 9022 and 9685. (2-Apr/Sundstrom-NJ)

VOIRI Tehran noted with permanent IS, ID, and National Anthem at 0025-0030 on new 11915. (W4-Apr/Bueschel-FRG/WWDXC TopNews)

ISRAEL Let's try again after last month's debacle. Kol Israel, from 29-Mar thru 25-October:

A- Reshet Alef domestic relay B-Reshet Bet (Hebrew) domestic relay D-Reshet Daled (Arabic) H-Reshet Hey-International Service R-Reka-  
Network for immigrants domestic service relay  
0000-0100 Hebrew-B 11585  
0100-0300 Hebrew-B 15615 11585 9390  
0300-0400 Hebrew-B 15615 11590  
0300-0530 Arabic-D 15480 9815 5915  
0400-0415 English-A 17535 11605 9435  
0400-0455 Hebrew-B 15615 11590 9390  
0500-0515 French-R 15640 11605  
0500-1600 Hebrew-B 17545 15615  
0530-1030 Arabic-D 15480 5915  
1000-1030 French-R 15650 15640  
1030-1035 English-R 15650 15640  
1030-1200 Arabic-D 5915

1200-1215 Bukharian-R 11605 9435  
1200-2110 Arabic-D 12140 9815 5915  
1215-1230 Georgian-R 11605 9435  
1400-1430 English-A 17535 15650  
1400-1500 Persian-H 15640 11605 9435 Fr/Sa  
1400-1525 Persian-H 15640 11605 9435 Su-Th  
1500-1525 Judeo-Tat-H 11605 9435 Fr  
1500-1525 SS/Ladino-H21625 17535 15640 Sa  
1540-1545 French-H 17535 15650 11605  
1545-1557 English-H 17535 15650 11605  
1600-1630 Yiddish-R&H15650 15640 11605 9435  
1600-1700 Hebrew-B 17545 15615 11590  
1625-1645 Romanian-H 15640 11605 9435  
1635-1645 Maghrebi-R 15650  
1645-1700 Hungarian- 15640 11605 9435  
H

1645-1700 Ladino-R 15650  
1700-1725 Yiddish-R&H15640 11605 9435  
1700-1740 Hebrew-B 17545 15650 15615 11590  
1725-1735 Spanish-R 15650  
1730-1855 Russian- 11605 9435  
R&H

1740-1800 Hebrew-B 17545 15615 11590  
1800-1855 Hebrew-B 17545 15615 11585  
1855-1855 Hebrew-B 15615 11585  
1900-1925 English-H 15640 15650 11605 9435  
1900-2000 Hebrew-B 15615 11585 9390  
1930-1950 French-H 17545 15650 15640 11605  
1950-2000 Spanish-H 17545 15650 15640 11605  
2000-2055 Hebrew-B 15640 15615 11585 9390  
2055-2100 Hebrew-B 15640 11585 9390  
2100-2110 Hebrew-B 15640 11585 9390  
2110-2400 Hebrew-B 11585

(Rosenzweig/rec.radio.shortwave + BBCM)

ITALY Adventist World Radio (AWR) via Forli, Z98:

0900-0930 German 7230  
0930-1000 English 7230  
1000-1100 Arabic 11795  
1100-1200 Italian 7230  
1200-1230 German 7230  
1230-1300 English 7230  
1230-1300 English 7230  
1300-1330 French 9665  
1330-1430 Arabic 9665

(BBCM)

KOREA (NORTH) Radio Pyongyang's new schedule monitored Apr 9-15. Frequencies in parentheses are presumed but could not be heard in Japan this week.

0000-0057 English 11845 13650 15230  
0000-0057 Japanese 3250 7580 9650  
0000-0057 Spanish 11335 11700 13760 15130  
0400-0457 French (3560) 11710 13790  
0400-0457 Spanish 13650 15180 15340 17735  
0400-0557 Korean-B (4405) 7200 9345  
0500-0557 English (3560) 11710 13790  
0500-0557 French 13650 15180 15340 17735  
0600-0650 Korean-A (3560) 11710 13650 13790  
15180 15340 17735

0700-0757	Chinese	4405 6125 7200 9345
0700-0757	Japanese	3250 6070 7580 9650
0700-0757	Russian	3560 6575 9975 11710 13790
0800-0857	Japanese	3250 6070 7580 9650
0800-0857	Korean-B	4405 6125 7200 9345
0800-0857	Korean-C	3560 6575 9975 11710 13790
0900-0957	Chinese	4405 6125 7200 9345
0900-0957	Japanese	3250 6070 7580 9650
0900-0957	Russian	3560 6575 9975 11710 13790
1100-1157	Chinese	4405 6125 7200 9345
1100-1157	English	3560 9640 9975 11335 15230
1100-1157	Japanese	3250 6070 6520 7580
1200-1257	French	3560 9640 9975 11335 15230
1200-1257	Japanese	3250 6070 6520 7580
1200-1257	Korean-B	4405 6125 7200 9345
1300-1357	Chinese	4405 6125 7200 9345
1300-1357	Japanese	3250 6070 6520 7580
1300-1357	Spanish	3560 9640 9975 11335 15230
1400-1450	Korean-A	3560 9640 9975 11335 15230
1500-1557	Arabic	6520 9600
1500-1557	English	3560 9640 9975 11735 13650
1500-1557	French	4405 6575 9335
1600-1650	Korean-A	3560 4405 6520 6575 9335 9600 9640 9975 11735 13650
1700-1757	Korean-C	6520 9600 9975
1700-1757	Russian	3560 9325 (13790)
1700-1757	Spanish	4405 6575 9335 11700 13760
1800-1857	Arabic	6520 9600 9975
1800-1857	English	4405 6575 9335 11700 13760
1800-1857	German	3560 9325 (13790)
1900-1957	English	6520 9600 9975
1900-1957	Russian	3560 9325 (13790)
1900-1957	Spanish	4405 6575 9335 11700 13760
2000-2057	Arabic	6520 9600 9975
2000-2057	French	4405 6575 9335 11700 13760
2000-2057	German	3560 9325 (13790)
2100-2157	English	4405 6575 9335 11700 13760
2100-2157	French	6520 9600 9975
2100-2157	German	3560 9325 (13790)
2200-2250	Korean-A	4405 6575 9335 11700 13760
2300-2357	English	11335 11700 13760 15130
2300-2357	Japanese	3250 7580 9650
2300-2357	Spanish	11845 13650 15230

A=Korean Central Broadcasting Station B=Radio Pyongyang C=Radio Pyongyang in Korean and Russian (Ashimori-JPN)

#### Korean Central Broadcasting Station

2350	Sariwon,	inactive since early 1997
2850	Pyongyang	2000-1800, regular
3220	Hamhung	2000-1800, relays PBS 1800-2000, regular
3350	Pyongsong	2000-1800, regular
3920	Hyesan	2000-1800, irregular
3940	Chongjin?	2000-1800, relays PBS 1800-2000, irregular
3960	Kanggye	2000-1800, regular
3970	Wonsan	2000-1800, relays PBS 1800-2000, irregular
6100	Kanggye	2000-0630, 1500-1800, regular
9665	Pyongyang	2000-0930, regular
11680	Kanggye	2000-1800, regular

Pyongyang Broadcasting Station (all regular unless blacked out)

3250	Pyongyang	2100-2300, 0100-0700, 1500- 2030, relays Radio Pyongyang in Japanese 2300-0100, 0700- 1000, 1100-1400
3320	Pyongyang	2100-1900
6250	Pyongyang	2100-0930, 1500-1900
6400	Kanggye	2100-1800

KCBS on "11400" (BBC-M reported last January) is 4 x 2850. Most of KCBS and PBS generate powerful harmonics, making daytime monitoring possible in Japan. (6-Apr/Ashimori-JPN/DSWCI DX-Window/van Den Boogert-HOL)

11710 NF Radio Pyongyang in French, 0440 political talk by woman, ID, sign off at 0457, s/on again at 0500 in English. Also on 11710: Korean 0600-0657, Russian 0700-0757 and 0900-0957, Russian/Korean 0800-0857. This NF replaces 11740 for all these transmissions, //13790 throughout. 9335 also NF 2200-2257 Korean s/on, ID, news by man/woman, music. This NF replaces 9345; others unchanged //6575, 11700, 13760, feeder 4405. 9640 Radio Pyongyang 1100 English s/on, ID, news. (8-Apr/Ashimori-JPN/DSWCI DX-Window/van Den Boogert-HOL)

MADAGASCAR Adventist World Radio (AWR) via Talatay/Volondry, Z98:

0230-0300	French	4960 3215-alt
0300-0330	Malagasy	4960 3215-alt
1530-1600	Malagasy	4960 3215-alt
1700-1730	French	4960 3215-alt

(BBCM) The AWR broadcasts from Madagascar are currently via a 7.5 kW unit which is located at the Radio Netherlands relay station at Talata Volondry. This was formerly a communications unit rated at 30 kW PEP and it has been modified for broadcast usage. This unit will be replaced by a 25 kW broadcast transmitter at the same location when it is ready for service. Adventist World Radio is the first organization to procure time on these units. Currently this transmitter may be heard on 4960 kHz.

(Peterson-AWR) Telephone no is + 261 20 22 404 65. Address is P.O.Box (Boite Postal) 700 Tananarive. Director of AWR is Mr. Elian Andriamitantoa. French will start in June, and they will also broadcast in English for nearby English speaking Island. (Vaghjee-MAU/DSWCI DX-Window/van Den Boogert-HOL)

3215 AWR Talata Volondry, 0305-0329, first noted with bits of spiritual vocals & some talk, mostly by woman in presumed Malagasy, poking thru WWCR talk pgm "Wellness Matters" tuned in USB mode. Surprised at how well this pushed thru WWCR sideband for 7.5 kW. The modified Siemens communications transmitter used by AWR may be operating USB + carrier since it was readily detectable in USB mode but I could not hear it in LSB. (10-Apr/Clark-ONT)

3287.7 Radio Madagasikara, Antanarivo (t), 0301-0315 low level talk by man in unID lang to 0305, then into music/vocal. Talk again at 0315 but almost faded out. Poor with RTTY sometimes covering and squeezed between ure carrier on 3986.4 and Namibia on 3289.95. This precise frequency and fade pattern suggests Madagascar; 5009.6 was silent so no possibiity for establishing a parallel. (12-Apr/Clark-ONT) 1717 with ID, followed by Journal (nx) in FF, read by W&M. ID again, time, and at the end of Journal a local anmt in Malagasy. Good rcpn. 5010 and 6135 have been off the air since the beginning of April (while R. Two-Zimbabwe on 5012 is being hrd loud and clear). 7155 and 9690 have been hrd at 0500, but not 1500. (10-Apr/Vaghjee-MAU)

**MALAYSIA RTM Sarawak** schedules, as heard locally and assisted by listings in local press. There may be minor variations from day to day with local daytime sign-on/sign-off times.

Blue network		
0400-0600	Bidayuh	7130K
1000-1500	Bidayuh	5030K
2200-0200	Bidayuh	5030K Su
2200-2400	Bidayuh	5030K Mo-Sa
2330-0200	Bidayuh	7130K Su
Green network		
0100-0300	Bisaya	7270K Mo-Sa
0100-0400	Iban	6060M 7270K Su
0300-0400	Iban	7270K Mo-Sa, relays Miri
0400-0500	Iban	5005S 6050S 6060M 7270K
0500-1000	Kayan/ Kenyah	7270K
0800-0900	Iban	6060M
0800-1000	Kayan/ Kenyah	4895K
0900-1000	Iban	5005S 6050S 6060M
1000-1500	Iban	4895K 5005S 6050S 6060M 7270K
2200-0100	Iban	4895K 5005S 6050S 7270K
Red network		
0100-0500	Chinese	7160K-inactive

0500-0700	English	7160K-inactive
0700-1000	Chinese	7160K-inactive
1000-1200	English	7160K-inactive
1200-1400	Chinese	7160K-inactive
1400-1600	English	7160K-inactive
2200-2330	Chinese	7160K-inactive
2330-0100	English	7160K-inactive

Schools service  
0100-0325 local langs 7130K

K-Kuching, M=Miri, S=Sibu (6-Apr/Davies-UK.SARAWAK/WWDXC TopNews/Bueschel-FRG)

**Radio Television Malaysia-Sabah** Shortwave is scarcely used here now due to the development of FM and the current economic situation. Shortwave used to be the backup to MW for rural listeners, but now is redundant. Effective February 1st, 4970 (Malay) and 5980 (English) are only operated briefly (to check the transmitters) on an irregular schedule. This is also a cost saving move, according to station personnel.

**Radio Television Malaysia-Sarawak** 85% of Sarawak can now hear RTM on FM. We are largely phasing out shortwave, reports Jeffrey Teo, Deputy Director. One or two channels will be retained because they purchased a Thomcast 100 kW transmitter last year. This new transmitter is off with the air with a modulation problem, but it is normally used on 7270. They are trying to get it Thomcast to fix it. (Johnson/DSWCI DX-Window/van Den Boogert-HOL)

#### **MOLDOVA Radio Moldova International Z98:**

0200-0225	Spanish	9400
0230-0300	Romanian	7520
0300-0325	English	7520
0330-0355	Russian	7520
0400-0425	English	7520
1100-1125	Spanish	11580
1130-1200	Romanian	11580
1830-1855	Russian	7520
1900-1925	French	7520
1930-1955	Spanish	7520
2000-2025	French	7520
2030-2055	English	7520
2100-2125	Spanish	7520
2130-2155	English	7520

(BBCM)

**MONGOLIA** Noted VO Mongolia switching from Mongolian to Chinese at 1140, into English @1210. Start times advanced ten minutes. (31-Mar/Cobb-GA/WORLD OF RADIO/Hauser-OK) [Wonder if that 10-minute offset was accidental or is a regular thing?-AQ]

**MOROCCO RTM** Rabat noted on shortwave again, after an absence of nearly twelve months for this program. First heard again on about Febr 15th, 1998, and now again on April 7th, 1998.

Transmissions heard via VoA Briech relay transmitters on 1920 and 15335, as well as via another outlet on 15345 and 17815 kHz, which should be carried via old transmitter site at Tangiers. Is RTM using the old Tangiers site? Or did RTM move the old 100 kW units to Rabat transmitter location? (14-Apr/Green-UK/WWDXC TopNews/Bueschel-FRG)

**MOZAMBIQUE** 3280 *Beira* has returned to the air. Good signal but noisy. Nothing on 3210. (11-Apr/Vaghjee-MAU/DSWCI DX-Window/van Den Boogert-HOL)

**NEPAL** 5005, *R. Nepal*: With Madagascar-5010 off the air for the moment, R. Nepal is very good. Hrd at \*1400 Apr 11 with NA, Nepali talk by man about the army, 1414 short flute mx, time pips at 1415, EE ID and nx. ID at 1423, then special wx rpt for mountain expeditionary team. ID in Hindi after that, and nx in Hindi. (11-Apr/Vaghjee-MAU)

**NEW ZEALAND** A form letter forwarded to this column by Bill Smith:

"Thank you for your letter of 26 February to the Prime Minister concerning the future of RNZI and your comments in support of that service. As this matter falls within my portfolio, I am replying on behalf of the Prime Minister.

"As you are aware, RNZI has been under review. Some of the questions which are being addressed concern whether shortwave is still a viable broadcasting option given the growing importance in the region of other media such as television, and the fact that the majority of listeners in the South Pacific—the target audience for the service—hear RNZI through relayed services over local stations. The review has also looked at some of the technical requirements necessary to maintain an international service, particularly in respect of strong competition from Radio Australia and the BBC, and the clarity of signal these competitors are able to provide.

"I expect that a decision on the future of RNZI will be made in the next short while, Yours sincerely, (Rt. Hon. Don McKinnon, Minister of Foreign Affairs and Trade, Parliament Buildings, Wellington, New Zealand; tel +64 4 471 9971, fax +64 4 471 1444" (27-Mar/Smith-TX)

**PAKISTAN** 4790, *Azad Kashmir Radio*, heard again at 1445-1500, clear ID as "Azad Kashmir Radio...Trarkhel...Mourgi Nawab' ki Salaam... aur aj ke..." ("Mourgi Nawab" is the announcer's name; "aur aj ke" means "and today"). This was followed by Kashmiri songs, and at 1500 another ID as "Azad Kashmir Radio, Trarkhel hai," and frequency given, then R. Pakistan news relay. Also hrd opening at 1344 Apr 5 with a song, "Vatan Hamara Azad Kashmir" ("Motherland is Azad Kashmir"). Goes off with the same song. I believe this is R. Pakistan IDing as AKR. A bit of a mystery. (2-Apr/Vaghjee-MAU)

**PAPUA NEW GUINEA** *NBC Port Moresby*, 9675 here instead of 4890. English at 1048 with man talking about children getting up early for school. Pop music. Next day they were back on 4890 at 1030 UTC. (19-Apr/Sellers-ONT)

**PERU** 4904.7 *R. La Oroya*, La Oroya, 0350-0420 ID Anuncia ahora en Radio La Oroya, es una buena inversion...mx huayno ID "Desde los estudios de Radio La Oroya..." mx. (14-Apr/Arrunategui-PRU/Chasqui DX)

4935.0 *R. Tropical*, Tarapoto, San Martin, 1110-1130 advs Bazar Lamas, lo mejor para el colegio en la region San Martin..., ID "Por Radio Tropical de Tarapoto..." program El Matutino de Radio Tropical... nx. (17-Apr/Arrunategui-PRU/Chasqui DX)

4955.0 *R. Cultural Amauta*, Ayacucho, 1135-1210 program en quechua mx ID "Radio Cultural Amauta..." nx en quechua y espanol program Enfoque a la familia (religioso). (17-Apr/Arrunategui-PRU/Chasqui DX)

5025.0 *R. Quillabamba*, Quillabamba, 0010-0115 nx ID "Por Radio Quillabamba..." mx advs Indomotor, lo mejor en motos...mx program Tripicalisando la noche, por Radio Quillabamba, lo mejor de los sabados...(18-Apr/Arrunategui-PRU/Chasqui DX)

5522.23 *Radio Sudamerica*, Cutervo, 1200-1220 poor signal w/Latin-American vocals. (11-Apr/TIN-JPN)

5637.29 *R. Peru*, San Ignacio, 0155, first time heard in a while with M DJ playing records, mostly of acoustic guitar with M vocals, and talking between and over selections, giving occasional ID "Radio Peru de San Ignacio" in passing. Suffering QRN but reasonable signal, but troubled 0202 by anti-Mojahed jammer. (12-Apr/Novello-NC)

5660.64 *Radio El Sol*, Pucara, 1150-1200 poor signal, w/Some official announcement from the Municipal office of Pucara, local advs, and then ID was given as "Transmite Radio El Sol desde el caluroso y acogedor distrito de Pucara, en la frontera provincia de Jaen, Region Nororiental del Maranon, Republica del Peru, en los 5560 kHz onda corta internacional para todo el Peru, America y el mundo. Siga sintonizando en nuestra frecuencia 55-60." (11-Apr/TIN-JPN)

6811.63 *Radio Ondas del Rio Mayo*, Nueva Cajamarca, slightly moved from 6811.5V kHz. Noted at 1120-1128 with fair signal, on huayno and saludos. (TIN-JPN)

**PHILIPPINES** *Radio Pilipinas* Manila schedule via VoA PHL relay stations in Z98:

0230-0330	Filipino/EE	11885 15120 15270
0330-0400	Filipino/EE	13770 15330 17730
1730-1930	English	11720 11890 15190

(1-Apr/IBB  
TopNews)

schedule/Bueschel-FRG/WWDXC

15190 R. *Pilipinas*, 1755, pop music show announced by woman, with references to Asia Business Weekly and market surveys, using a mix of about 3/4 Tagalog and 1/4 English. Canned ID by M around 1812, then news and features read by same woman mentioning "water table," "young professional woman," "every cigarette does damage," "arranged marriages," and other phrases that Tagalog is apparently lacking. Better ID 1825 mentioning Quezon City and "Philippine Broadcasting Service." S6 signal and fady, but in the clear until 1930\*. Little or no sign of this subsequent days. (8-Apr/Novello-NC)

**FEBC** Manila has changed the sked to SoEaAS. En can now be heard at

0000-0200 (ex0100-0200) 15450  
1300-1500 (ex1400-1600) 11995

(8-Apr/Dasgupta-IND/WWDXC TopNews/Bueschel-FRG)

**PORTUGAL RDP** Lisbon in PP lang replaced 17725 by 17710 0900-1100 weekdays, 0700-1700 Sat/Sun. Also heard in PP on strange 17495 at about 1400-1515 s-off, mentioned AF target. RTE/DW relay Sines-POR outlet replaced 9630 by 11780 Mo-Fr 0645-0800, also in PP lang. Now RDP Lisbon in PP via RTE/DW relay Sines-POR noted on new 11780 (x9630), 0645-0800. (16-17-Apr/Bueschel-FRG/WWDXC TopNews) RDP noted in 13 MHz band for first time: 13640 in Po 2300-2345 (10-Apr/Padula/EDXP/Padula-AUS)

**RUSSIA Voice of Russia** English, 3-May to 31-July:

0100-0200 15520 12050 9665  
0200-0300 15520 12050 9665  
0300-0400 15595 15455 15425 15180 13665  
13640 12050 12000  
0400-0500 15595 15455 15180 13665 13645  
12050 12000  
0500-0600 21790 21760 17665 17495 9450  
0600-0700 21790 21760 17665 17495 15490 9450  
0700-0800 21790 21760 17665 17495 9450  
0800-0900 21790 21760 17665 17495 9450  
1300-1400 21760 17570 15510 11655  
1400-1500 17570 15510 12025 11655 7510 4975  
4940 4730 1125  
1500-1600 17580 17570 15470 11775 9975 7325  
4975 4940 4730 1089  
1600-1700 17570 15515 15490 11850 11775  
1700-1800 17570 15350 12070 11775 11655 9775  
9765  
1800-1900 15350 12070 12045 11775 11675  
11655 9820 9775 9765 7425 7290  
1494 1143  
1900-2000 15350 12070 12045 11850 11775  
11675 11655 9820 9775 9765 9450  
9440 7425 7290 1494

2000-2100 15485 12070 11930 11850 11675 9820  
9775 9765 9710 9470 9440 7425 1494  
1323

(VOR website/Quaglieri-NY) VOR's English schedule is so inaccurate and fluid that a webpage has been established to make corrections and track the latest changes. Thanks to Tom Sundstrom for [http://www.trsc.com/vor\\_z98.html](http://www.trsc.com/vor_z98.html) (AQ)

**Radio Rossii** Z98, thru 31-July:

0000-0100 7220E 9870N 15475I  
0100-0400 5910M 6110M 7220E 7305A 7365K  
9845S 9870N 12020M 15455M 15475I  
0400-0430 5910M 6110M 7220E 7305A 9845S  
9870N 12020M 15455M 15475I  
0430-0500 5910M 6110M 7220E 7305A 9845S  
9870N 12020M 12025K 15455M  
15475I  
0500-0530 7220E 9845S 9870N 12025K 15455M  
15475I  
0530-0600 7195M 7220E 9720M 9845S 9870N  
12025K 12065A 13705M 15455M  
15475I  
0600-0630 7195M 7220E 9720M 9870N 12025K  
12065A 13705M 15455M 15475I  
0630-0700 7195M 7220E 9720M 9870N 11630S  
12025K 12065A 13705M 15455M  
15475I  
0700-0730 7195M 7220E 9720M 9870N 11630S  
12025K 12065A 13705M 15475I  
0730-0800 7195M 7220E 9720M 9870N 11630S  
12025K 12065A 13705M 15475I  
17660M  
0800-0830 7195M 7220E 9720M 9870N 11630S  
12065A 13705M 15475I 17660M  
0830-0900 7195M 7220E 9720M 9870N 11630S  
12035K 12065A 13705M 15475I  
17660M  
0900-0930 7195M 7220E 9720M 9870N 11630S  
12035K 13705M 15475I 17660M  
0930-1000 7195M 7220E 9720M 9870N 11630S  
11665A 12035K 13705M 15475I  
17660M  
1000-1030 7195M 7220E 9720M 11665A 12035K  
13705M 17660M  
1030-1300 7195M 7220E 9655I 9720M 9815N  
11665A 12035K 12045S 13705M  
17660M  
1300-1330 7195M 7220E 9655I 9720M 9815N  
12035K 12045S 13705M 17660M  
1330-1400 7195M 7220E 7355A 9655I 9720M  
9815N 12035K 12045S 13705M  
17660M  
1400-1430 7195M 7220E 7355A 9655I 9815N  
12035K 12045S 13705M 17660M  
1430-1500 5940M 6060M 7195M 7220E 7355A  
9655I 9815N 12035K 12045S 13705M  
17660M  
1500-1530 5940M 6060M 7220E 7355A 9815N  
12045S 13705M 17660M  
1530-1700 5905M 5940M 6060M 7220E 7355A  
9490K 9815N 12045S 13705M 17660M

1700-1730 5905M 5940M 6060M 7355A 9490K  
13705M  
1730-1800 5905M 5940M 6060M 7355A 7445S  
9490K 13705M  
1800-1900 5905M 5940M 6060M 7355A 7445S  
9490K  
1900-2100 5905M 5940M 6060M 7355A 7445S  
9490K 9655I  
2100-2200 7220E 9655I 9870N  
2200-2400 7220E 9870N 15475I

A=Samara, E=Ekaterinburg, I=Irkutsk, K=Krasnodar,  
M=Moscow, N=Novosibirsk S=St. Petersburg (Rudnev-  
RUS/RUS-DX/Klepov-RUS)

**GPR-2** schedule for Z98, at least through Sep-  
tember:

5835K 60 2027-2125 RN Dutch  
5835K 60 2027-2125 RN Dutch  
7310K 60 1557-1700 RN Dutch  
1700-1800 VOR Polish  
1800-1900 VOR German  
1900-2000 VOR French  
7310K 60 1557-1700 RN Dutch  
1700-1800 VOR Polish  
1800-1900 VOR German  
1900-2000 VOR French  
7330K 60 1500-1700 VOR German  
1700-1800 VOR Polish  
1800-1900 VOR English  
7330K 60 1500-1700 VOR German  
1700-1800 VOR Polish  
1800-1900 VOR English  
7335P 200 0200-0430 R. Mayak  
7390P 400 1730-2000 VOR French  
7390P 800 2300-0000 VOR Port  
0000-0200 VOR Spanish  
7440P 400 1600-1700 VOR Hungarian  
1700-1800 VOR Slovak  
1800-1900 VOR Czech  
7445P 400 1730-2100 R. Rossii  
9480P 800 2300-0000 VOR Russian  
0000-0100 VOR Spanish  
0100-0300 VOR Russian  
9775P 400 1700-2100 VOR English  
9810P 400 1500-1530 VOR Albanian  
1530-1700 VOR Serbian  
1700-1800 VOR Italian  
1800-2000 VOR French  
9845P 400 0100-0600 R. Rossii  
9875P 200 0200-0500 R. Mayak  
9885P 200 1330-2000 R. Mayak  
11630P 400 0630-1000 R. Rossii  
11685P 200 1030-1300 R. Mayak  
11745K 120 0900-1000 VOR Germanan  
11745K 120 0900-1000 VOR Germanan  
11920P 200 1700-2100 VOR Russian  
11975P 400 1500-1600 VOR Russian  
11985P 200 0500-1300 R. Mayak  
11985P 400 1500-1600 VOR Persian  
1600-1700 VOR Arab  
12000P 200 1600-2000 VOR Arab  
12005P 200 0530-1000 R. Mayak

12045P 400 1030-1700 R. Rossii  
15595P 400 1730-1800 VOR Arab  
1800-1827 CRI Farsi  
1830-2000 VOR Arab  
17580P 400 1500-1600 VOR English  
1600-1657 CRI Arab

K=Kaliningrad P=St.Petersburg (26-Mar/Timofeyev-  
RUS/NERRS)

**Radio Tatarstan**, via Samara Z98:

0400-0500 11665  
0600-0700 6130  
0800-0900 9700

(Rudnev-RUS/RUS-DX/Klepov-RUS)

Program "*Kamchatka Rybatskaya*" (Petrovav-  
lovsk-Kamchatskiy) for fishermen in Russian:

1900-2000 7300 12050 Tu/Th/Sa

(Rudnev-RUS/RUS-DX/Klepov-RUS)

**Radio Jasna Gora**, Samara, 7400.00, 1602 Cath-  
olic music, Polish ID, (28-Mar/Schaay-HOL)

**SAUDI ARABIA** Some changes of *BSKSA* Riyadh  
from March 1: 0300-0600 Holy Quran new11935  
(x11870). //9553.6, 9619.4, 11785, 17720. 0600-  
0900 Main progr new 11934.9 (x11708.3), //9718.3,  
11818.5; 11935 co-ch VOSA Israel to Iran in Azeri  
0613-0715. (16-Mar/PANVIEW/Bueschel-FRG/  
WWDXC DXM/Kubiak-FRG)

**SINGAPORE** *Radio Singapore International* using  
new 6150 for English 1100-1400, ex 6155. Also on  
existing // 6015. (9-Apr/Francis). Official sked:

1100-1400 English 6015 6150  
1100-1400 Chinese 6120 6000  
1100-1400 Malaysian 6070 7245

(15-Apr/RSI/Padula/EDXP/Padula-AUS)

**SLOVAKIA** *Radio Slovakia International* Z98:

0100-0130 English 5930 7300 9440  
0130-0200 Slovak 5930 7300 9440  
0200-0230 French 5930 7300 9440  
0700-0730 English 9440 15460 17550  
0730-0800 Slovak 9440 15460 17550  
0800-0830 German 5915 6055 7300  
1300-1330 Russian 9440 11990 13715  
1330-1400 German 5915 6055 7345  
1500-1530 Russian 5920 9535 11990  
1530-1630 Slovak 5920 6055 7345  
1630-1700 English 5920 6055 7345  
1700-1730 French 5920 6055 7345  
1730-1800 Russian 5920 9485 7345  
1800-1830 German 5920 6055 7345  
1830-1900 English 5920 6055 7345  
1900-1930 Slovak 5920 6055 7345  
1930-2000 French 5920 6055 7345

(Buckby-UK/rec.radio.shortwave)

**Adventist World Radio** (AWR) via Rimavska So-  
bota, Z98:

0200-0230 Punjabi 11610

0230-0300	Hindi	11610
0300-0330	Urdu	11610
0330-0400	Persian	13715
0500-0700	Arabic	11610
1500-1530	Punjabi	13680
1600-1630	Urdu	13680
1630-1700	Persian	13680
1800-2000	Arabic	11610

(BBCM)

**SOMALIA** 6700U, *R. Mogadishu*, Voice of the People, poor here at 2000 with EE nx by woman. (Vaghjee-MAU)

6866, *R. Hargeisa*, no change in rcprn. (Vaghjee-MAU)

7035, *Holy Koran Radio*, has moved here, hrd to 1700\* after recital of Koran. Fair rcprn, same as 6549.-April 1 (1-Apr/Vaghjee-MAU)

**SOUTH AFRICA Channel Africa 298:**

0300-0325	Swahili	6000
0300-0330	English	5955
0330-0400	French	5955
0400-0430	English	5955
0430-0455	French	9525
0430-0455	Portuguese	3345 5955
0500-0530	English	9525
0530-0555	Portuguese	9525
0600-0630	English	11900
0630-0655	Portuguese	11900
1300-1455	English	9445 17675 17870 Sa/Su
1500-1530	English	9445
1500-1530	Swahili	11900
1530-1555	French	9445
1600-1625	English	6000
1600-1630	Swahili	11900
1630-1655	French	11900
1630-1655	Portuguese	3345 9445
1700-1730	English	15240
1730-1755	Portuguese	15240
1800-1830	English	15240
1830-1855	French	15240

**Radio Sonder Grense (domestic service)**

0000-0530	3320
0530-0800	6000
0800-1500	7185
1500-2400	3320

(Otto-SENTECH/Ferguson-VOA)

**Adventist World Radio (AWR) via Meyerton, Z98:**

0330-0400	Somali	6100
0500-0530	English	6100 6000
1630-1700	Somali	15620
1700-1730	Swahili	12130
1730-1800	English	12130
1800-1830	English	3390 3345
2000-2030	French	9745
2030-2100	English	9745

(BBCM)

At Sentech Meyerton, AWR is now on the air over three different transmitters operating at 250 kW & 100 kW in the international and tropical shortwave bands. Even though this programming is beamed to the major areas of Southern Africa, yet preliminary monitoring reports indicate that the signals are heard in widely distant areas, including several locations in North America. (Peterson-AWR)

**THAILAND Radio Thailand Z98, \*-via VOA station at Udorn Thani:**

0000-0030	English	11905 9690* 9655
0030-0100	English	15395* 11905 9655
0100-0200	Thai	15395* 11905 9655
0300-0330	English	15395* 11905 9655
0330-0430	Thai	15395* 11905 9655
0530-0600	English	15115* 11905 9655
1100-1115	Vietnamese	11905 9655 7260*
1115-1130	Cambodian	11905 9655 7260*
1130-1145	Lao	11905 9655 6030*
1145-1200	Burmese	11905 9655 6030*
1200-1215	Malay	11905 11805* 9655
1215-1230	Indonesian	11905 11805* 9655
1230-1300	English	11905 9885* 9655
1300-1315	Japanese	11905 11850* 9655
1315-1330	Chinese	11905 11850* 9655
1330-1400	Thai	11955* 11905 9655
1400-1430	English	11905 9830* 9655
1800-1900	Thai	11905 9690* 9655
1900-2000	English	11905 9655 7210*
2000-2015	German	11905 9680* 9655
2015-2030	French	11905 9680* 9655
2030-2045	English	11905 9680* 9655
2045-2115	Thai	11905 9680* 9655

(BBCM)

**TURKEY Voice of Turkey in English Z98:**

0300-0400	7270 9655 17705
1230-1330	15185 15290 17830
1800-1900	11765
1850-1950	9445
2030-2130	7210
2200-2300	7190 9655

(21-Mar/TRT "DX Corner"/Brouillette-CA)

**URUGUAY** 6140/9595/11735 *R. Montecarlo/Oriental's* SW transmitter is back again. 11735-Oriental, hrd 0129 on Apr 3 under strong unid in Russian, w/ soccer match Nacional vs. Bolivar, using slogan "Oriental, la radio del Mundial" in reference to next FIFA'98 Soccer World Cup to be held in France. 6140, also simulcasting R. Oriental, with coverage on the "Vuelta Ciclista del Uruguay" the most important bicycle racing in the country, which is taking place in this coming week. (Nigro-URU)

9622, *SODRE* answered after 4 months with detailed QSL-card, friendly personal letter and general information about the station. Seor Luis Ignacio Moreira (v/s) points out that the station has cancelled all activities on shortwave due to the poor

economic situation. Their shortwave transmitter (CXA6) had 500 watts only. In the moment SODRE is in the air on MW 650 kHz (CX6), 1050 (CX26), 1290 (CX38). (Schnitzer/DSWCI DX-Window/van Den Boogert-HOL) I can say that the 6125 KHz outlet remains active. I heard it s/on a few minutes prior to 1100, relaying MW CX6 (650) w/ class mx. But, what Moreira says, via Schnitzer, is mostly true. SODRE's current authorities do not have any interest on SW operations. No funds are appointed to SW transmitter maintenance. So, its believed that they are in their slow way to death. (2-Apr/Nigro-URU)

**USA Radio Marti**, all programs in Spanish:

0000-0300	7365 6030
0300-0400	7465 7405 6030 Tu-Su
0400-0500	7405 6030 Tu-Su
0500-0900	6030 Tu-Su
0900-1200	6030 5890
1200-1400	9565 7405
1400-1700	13820 11930 11815
1700-2200	13820 11930 9825
2200-2300	15330 13820 11930
2300-2400	15330 13820 6030

(BBCM)

**KJES**, 7555 0100-0200 ITU 2/3 0200-0230 ITU 3/4; 11715 1300-1400 ITU 2/4/9 1400-1500 ITU 2/3 1500-1600 ITU 10; 15385 1800-1900 & 2000-2100 ITU 55/58/59 (HFCC/Bob Padula/EDXP/Padula-AUS)

Anote from Joe Brashier of *World Harvest Radio* re a query by Harold Sellers on why *KWHR* is relaying a domestic station ("Pulse FM"/WGTC 102.3 and WHPZ 96.9, both in South Bend, Indiana): We put *KWHR* Angel 4 on the air in September. It is targeted to the South Pacific. Immediately after that we started negotiations for the Maine station. That has kept us so busy we really have not had time to sell Angel 4. So we simulcast our local FM Christian music station in the unpaid air times. We should be able to begin working on new programs for our stations again next week. As we sell more and more time on *KWHR* Angel 4, The simulcast with Pulse will be eaten away. By the way, yes that is our local FM station here in South Bend. The people in the South Pacific are enjoying it a lot. (20-Apr/Brashier-KWHR/Sellers-ONT/ODXA)

**WINB** Red Lion, PA: 13790 2000-0000, 11950 0000-0600 (George Jacobs and Ass./EDXP/Padula-AUS)

On April 13, Charles Josey of *WWBS*, Macon GA, told me that the power had been hooked up. They are aware of the QRM on 11910, such as Hungary before 0100, Vatican afterwards, and may prefer to use 11905, but at the moment 11910 is the only frequency authorized by the FCC for them to test (Thurman/RIB/Hauser)

**UZBEKISTAN** *Radio Tashkent* observed in English 1200-1230 on new 17775. Some time since this sta-

tion has used 16m if memory serves me? (9-Apr/Francis/EDXP/Padula-AUS)

**VIETNAM** 5034.68, *Dia Tieng Noi*, Hmong sce, March 14/15/16, /1150-1215, Transmitter S/on, 1156 test tone, 1156 NA instrumental, ID by M and W. Weak studio audio quality during announcements, TA, talks, Hill tribe music. S=9+20dB. // 6164.57, latter with very low modulation! (14-16-Mar/Schulze-PHL/DSWCI DX-Window/Veldhuis-HOL)

**ZAMBIA** 4965, *Christian Voice*, Lusaka, 1752-1802, Radioplay in EE (UK and US accents), closing with little epilogue. ID + frequencies (106.2 for Lusaka) at full hour, headlines into similar programming. (8-Apr/Stienstra/DSWCI DX-Window/van Den Boogert-HOL)

6265, **ZNBC**, Lusaka, 0355-0410, A march, "ZNBC, Radio One" ID at 0400, followed by talk in vernacular about Zambia, a march, some talk, a march etc. (11-Apr/Pijpers/DSWCI DX-Window/van Den Boogert-HOL)

**ZIMBABWE** 4828, ZBC, Gweru, 1804-1808, W speaker with news in English, ID. QRM by jammer from 1807 UTC. At best: 34343 (11-Apr/Veldhuis/DSWCI DX-Window/van Den Boogert-HOL)

5012 **ZNBC** Radio 2 1620-1635\*, in the clear reception w/Madagascar off, 1615 African music, talk, ads, 1620 ID as "Radio 2, Radio Zimbabwe" and in English at 1628 as "This is the Zimbabwe Broadcasting Corporation. We broadcast in the 90 meter band" repeated twice and the same in Af lang. Off at 1635\*. (Vaghjee-MAU/DSWCI DX-Window/van Den Boogert-HOL)

**REMEMBER, YOUR \$10 MILLION WILL FEED A FAMILY OF FOUR THOUSAND FOR 1,000,000,000 YEARS** *Radio Free Iraq*. The US Senate approved a supplemental request of \$5 million to Radio Free and Radio Liberty to set up a Radio Free Iraq. The US House of Representatives is expected to approve a similar measure when it returns from Easter recess. Czech govt rejected the application of broadcasting anti-Iran propaganda from Prague broadcasting house. (15-Apr/New York Times/WWDXC TopNews/Bueschel-FRG) *Radio Democracy for Africa* is a surprise new service. Pres. Clinton announced while visiting VOA site host Botswana March 29. Could start as early as May. \$5 million funding over next two years comes out of existing VOA budget, 22.5 hours per week of uncensorable news and info [thus, must primarily be SW]. Will use nine languages, English, French, Portuguese, Afrikaans, and vernaculars (Reuters/Alpert-VOA/Cooper/Zoqbi/WOR/Hauser-OK) [If we really wanted to win friends and influence politics in these regions, we'd shelve the new radio stations and simply give \$5 each to 2,000,000 dirt-poor people.-AQ]

# Pirate Radio Report

Chris Lobdell

P.O. Box 146

Stoneham, MA 02180-0146

Internet: cloddell@mediaone.net

## Pirate Poll Time!

Hello and welcome to the May edition of the **PIRATE RADIO REPORT**.

It is time to vote for your favorite pirate stations for our annual poll. Send us your favorite *three* stations which have been active during the past year. Feel free to include comments as to why they are your favorites as well. The deadline for entries will be August 1<sup>st</sup>.

## Loggings...

This month I'd like to thank the following faithful contributors: John Fisher of Chelmsford, MA, Dave Krause of Eastlake, OH, and William Wilkins of Springfield, MO. Keep 'em coming, guys. If no frequency is given, it was 6955!

**ANTEATER RADIO**, was heard from 0039 to 0059 sign off on March 24<sup>th</sup>. Musical selections included music by Donovan and The Strawberry Alarm Clock. Peter Worth was IDing his station as "The 18 Wheel Pirate Ship".

They were heard again with a different program on March 28<sup>th</sup> from Chicago. [Wilkins-MO]

**K2000**, was noted at 2153 UTC On March 23<sup>rd</sup> with a complex drama about a pirate radio station plus a parody of a pirate DX program. They announced the Stoneham maildrop. [Krause-OH]

**RADIO OUTPOST** was logged on March 16<sup>th</sup> at 1835 UTC playing old music and announcing "This is the last outpost for all the ships at sea". The frequency was 6955 kHz in the AM band. Krause-OH]

**RADIO SHISHKABOB**, a new pirate was

broadcasting at 0105 UTC sign on with blues music. They went off suddenly a few minutes later at 0111 UTC on 6955.6 kHz USB. [Wilkins-OH]

The **VOICE OF HELL**, [Sorry guys, but there's no earthly maildrop for this one!] was logged on March 23<sup>rd</sup>/24<sup>th</sup> from 2341 to 0016 sign off hosted by Satan Lucifer and IDing as "The Official Broadcasting Service Of Hades".

Music was mostly by Guns 'N Roses, with the song "Stairway To Heaven" played backwards. [Wilkins-MO] Also noted on April 5<sup>th</sup> at 0355 UTC with similar programming. [Krause-OH]

**WGTG**-*"With Glory To Gumby, Etc."* This is a parody station of the religious broadcaster WGTG, produced by Steve Mann of *Radio Eclipse*. They were heard with Marv Albert jokes on March 28<sup>th</sup> at 2330 UTC. [Fisher-MA]

**WKND**-*"We're K-Nine Dogs"*, was noted 28<sup>th</sup> March at 1350 UTC with Radio Animal as host of the show, playing rock music on 6955 kHz in the AM mode. [Krause-OH]

Also heard on March 29<sup>th</sup> at 2220 UTC talking about dogs and IDing as "WKND Shortwave Free Radio". [Fisher-MA]

**WLIQ**-*"Your Low IQ Station"*, was logged on March 28<sup>th</sup> at 0350 UTC, playing country music, giving IDs and announcing a maildrop of Box 109, Blue Ridge Summit, PA 17214. [Krause-OH]



Also noted with a weak signal on the same date at 0044 playing old blues and rockabilly music. [Fisher-MA]

Keep sending in those logs. Until next month, Happy Pirate DX!



# QSL Report

Sam Barfo  
47 Prospect Place  
Bristol, CT 06010

 <p>DIRECTORATE GENERAL ALL INDIA RADIO A.V. Bhawan, Sansad Marg, New Delhi-110001 INDIA</p> <p>No. 3/1/97/EIII 1356 Dated 27-11-97</p> <p>Dear Sir/Madam,</p> <p>We gratefully acknowledge and confirm your Reception Report.</p> <p>Date 27-11-96 Frequency..... 3390 kHz</p> <p>Time 1207 Station ANIGTOK</p> <p>By Director (Prog. Alignments) (DEVENDRA SINGH)</p> <p>100 (100) 40m 10m 5m 10m, 20m, 30m (100) 1000</p> <p>1000 (1000) 40m 10m 5m 10m, 20m, 30m (100) 1000</p>	<p>O.I.G.S.</p>  <p>MR. JOHN L. SGRULLETTA</p> <p>337 BULLET HOLE ROAD</p> <p>MAHOPAC</p> <p>NEW YORK 10541-2605</p> <p>UNITED STATES OF AMERICA</p> <p>Form 9 72 Falso Thomson</p>
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## ALASKA: Radio Free Asia

11590 via KNLS f/d ltr. in 61 ds. (Humenyk). 11785 f/d ltr. in 5 mo. w/ sticker. (Barto).

## ANTIGUA: Deutsche Welle

6075 and 11795 p/d cd. in 2 mo. (Barto). 6075 p/d cd. in 7 wk. (Barto-CT).

## ARGENTINA: RAE 11710 f/d

cd. in 74 ds. for 2 IRCs. Also rcvd. personal ltr., schedule and rpt. forms. v/s Mercedes Nattero & Perla Damari. (WRW) 15345.3, 11710 and

13363.5 via Gen. Pacheco f/d cd. w/ personal ltr. in 7 wks. v/s John Anthony Middleton, Head of RAE English Dept. (Barto-CT).

ASIATIC RUSSIA: Deutsche Welle 7315 via Novosibirsk p/d cd. in 2 mo. (Barto). 7315, 7340 and 9480 p/d cd. in 1 1/2 mo. (Barto). 5925 via Irkutsk "Cologne City" cd. in 73 ds. (Hosoya-JPN).

ASCENSION ISLAND: BBC 7325 f/d form ltr. w/ fact sheet in 109 ds. for \$1.00. v/s Nicola Nich-

**NOTES:** George Maroti says this past month has been slim pickins. He had a great time at the Winter SWL Fest. Sorry I couldn't make it...Sam. Mark Humenyk needs an address for Radio San Marino International. I'm at work so I don't have the address handy, but you could try Dario Monferini at Via Davanzati 8, 20158 Milano. He may forward your report. Enclosed \$2.00 for his handling...Sam.



ols, Transmitter Engineer. The form ltr. was on Merlin Comms. International Ltd. letterhead. (Wilkins-MO).

AUSTRIA: Radio Austria International 7145 QSL in 9 ds. w/ schedule. (Hosoya-JPN).

BELARUS: Radio Belarus International 7210 via Kolodisci f/d cd. in 2 mo. w/ schedule. (Barto-CT). 11960 f/d "Terra Cotta Tile" cd. in 265 ds. (Humenyk-ONT).

## BELGIUM: Radio Vlaanderen



International 9925 via Wavre f/d "Capucins Church Flea Market" cd. in 29 ds. (Humenyk-ONT) 9590 and 9925 f/d cd. in 35 ds. (Humenyk).

## BONAIRE: Radio Nederland

6020 f/d "Broadcast Centre" cd. in 11 wks. I thought this was the Flevo site? (Loudell).

## BRASIL: Radio Difusora Ro-

\* raima 4875 p/d ltr. in 10 wks. for ms. v/s Francisco Galvao Soa-

 <p>DIRECTORATE GENERAL ALL INDIA RADIO A.V. Bhawan, Sansad Marg, New Delhi-110001 INDIA</p> <p>No. 3/1/97/EIII 14078 Dated 10-11-97</p> <p>Dear Sir/Madam,</p> <p>We gratefully acknowledge and confirm your Reception Report.</p> <p>Date 13-2-97 Frequency..... 3345 kHz</p> <p>Time 0129 Station JAIPUR</p> <p>GHT</p> <p>Yours faithfully,</p> <p>By Director (Prog. Alignments) (DEVENDRA SINGH)</p> <p>100 (100) 40m 10m 5m 10m, 20m, 30m (100) 1000</p> <p>1000 (1000) 40m 10m 5m 10m, 20m, 30m (100) 1000</p>	<p>O.I.G.S.</p>  <p>MR. JOHN L. SGRULLETTA</p> <p>337 BULLET HOLE ROAD</p> <p>MAHOPAC, NEW YORK</p> <p>10541-2605 USA</p> <p>Form 9 72 Falso Thomson</p>
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\* res. (Myers-VA). Radio Educacao Rural ZYF904 4755 ltr. in 6 wks. for a PT rpt. v/s Ailton Guerra, Gerente. (Bueneman).

BULGARIA: Radio Bulgaria 7135, 7170 and 9415 via Plodiv f/d cd. w/ sked. in 2 mo. (Barto). 7375 cd. in 41 ds. w/ schedule. (Levison-PA).

CANADA: Radio Japan 6110 via Sackville f/d "Bride in a Traditional Wedding Gown" in 25 ds. v/s K. Hishikawa. Also rcvd. calendar and sked. (Humenyk-ONT).

Deutsche Welle 6085 via Sackville p/d ltr. in 7 wks. (Barto-CT).

CANADA (Pirate): Argosy Magazine 6956 f/d sheet in 121 ds. for \$1.00.

\* (Wilkins-MO). Laser Hot Hits 6955 f/d plain blue and white cd. in 92 ds. for \$1.00. Also rcvd. 2 small posters, decals and promo material. 140 watts. Sent to Merlin drop but reply came from Romford, UK (WRW).

CHINA, PEOPLES REP. OF: Radio Canada International 9535 via Xian f/d "Winter 88 Olympic" cd. in 20 ds. w/ sked.

**NOTES:** Bill Wilkins writes in that last month I credited his reports to the other member in Colorado. Very sorry Bill! Bill had some very fine QSLs. I'm glad we don't have too many Smith's....Sam. Allan Lou-dell was pleased with his recent QSL from VOA Rhodes after several tries only netted Kavala, Greece. Al hopes everyone had a splendid DX season. Jill Dybka used the Christmas break to send out follow up reports. Hope the replies come in. Denis Pasquale says that he has had problems in the past with reports that were sent during the Holiday Season. Maybe they get misplaced or lost. Who knows?.....Sam.

SAMUEL BERTO  
47 Prospect Place  
Bristol, CT 06010  
USA

DATE: 12.10.97  
TIME: 22.50 to 2300 UTC  
FREQ: 4.13363.5 MHz  
SINPO: Strong good stray  
LANGUAGE: ENGLISH.

Dear Samuel,  
Here is your very merited QSL Card from RAE. We hope you continue listening to and enjoying our broadcasts!

Yours,  
Mercedes Walter

PERLA DAMJURI  
Direccion Radio - Oficina de Edicion  
Servicio Oficial de Radiodifusion

P.S. Our transmitter site is situated at Pacheco, Buenos Aires province

(Hosoya). China Radio International 9965 & 9365 f/d "Palace of Celestial Purity" cd. in 3 mo. w/ beautiful paper cuts. (Barto-CT) Xinjiang PBS 7195, 4734.9 p/d ltr. in CH in

6 wks. direct from the station. (Barto-CT).

CLANDESTINE: Radio Sedaye Mojahed (Voice of Mojahed) 6465 and 5460.4 p/d \* ltr. in 2 mo. for 96 reception. v/s B. Moradi, Public Relations. (Barto-CT). 7085 p/d ltr. in 2 mo. (Barto). 5480 and 4660.1 p/d ltr. in 2 mo. (Barto-CT).

COLOMBIA: La Voz del Guay-lare 6035 f/d cd. in 7 wks. for a SP rpt. v/s Luis Fernando Roman R., Director. (Barto).

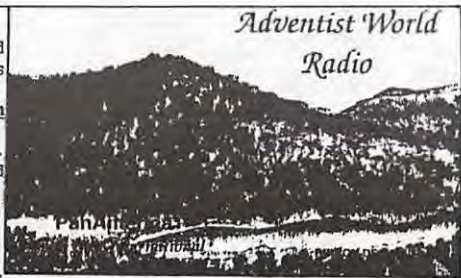
COSTA RICA: Earthwatch Radio 6970 via RFPI f/d cd. w/ stickers in 2 mo. (Barto-CT).

ECUADOR: HCJB 9745 f/d cd. of "Saludos Amigos Pet Special" in 1 mo. for ms. (Loudell-DE).

Best wishes from  
Voice of America



Adventist World  
Radio



9745 f/d "Satellite Link" cd. in 5 wks. for ms. (Loudell). 9745 f/d "Keel-billed Toucan" cd. in 5 wks for ms. (Loudell-DE).

**EGYPT: Egyptian Radio and Television**

12050, 17670.4, 11785, 9850 and 9800 p/d cd. w/ schedule in 2 mo. (Barto). 17670.4, 12050, 9850 and 9800 p/d cd. w/ schedule in 2½ mo. (Barto-CT).

**EUROPEAN RUSSIA: Radio Tatarstan**

\* 12015 via **Samara** f/d ltr. in 4 mo. v/s Hania Hazipovna Galimova.

Addr: GTRK Tatarstan, ul. M. Gorkogo 15, 420015 Kazan, Russia. This was for a taped rpt. (Berg-MA)...Verie nice!...Sam. **Voice of Russia** 7170 via **Moscow** f/d "Pine Cones" cd. in 66 ds. (Humenyk). 7390 f/d cd. in 3 mo. (Barto). 9780 via **Samara** f/d cd. in 3 mo. (Barto-CT). 12065 & 9940 via **Krasnodar** f/d cd. in 3 mo. w/ schedule. (Barto-CT).

**EUROPIRATE: European Music Radio** 6275 f/d cd. w/ info. sheet and sticker in 2 mo. for \$2.00. 35 watts. (Maroti-NY).

**FRENCH GUIANA: Radio Japan** 11895 via **Montsiner** f/d "Chikuma River" cd. in 27 ds. v/s Y. Fushimi. (Bueneman-MO).

**GERMANY: Deutsche Welle** 6100 p/d cd. in 7 wks. (Barto). 11795 via **Wertachtal** f/d cd. in 1 mo. (Barto). 13780 p/d cd. in 1½ mo. w/ schedule. (Barto). 9690 &

via Castro

Prezado Senhor,

Felo presente confirmamos sua secuta da Mido Cultura de Fos do Ignacu, no dia 11/06/94, na frequencia de 6105 kHz, de 07:45 a 08:00, hora de Brasilia.

Cordialemente,

ESTABELECEMOS A SEGUINTE SINALIZACAO PARA A SEU SINALIZACAO

RECEBIDO

REC 254

**VERIFICATION SIGNERS: Radio Anhaquera** 4915 Eng. Domingos Vicente Tinoco. **Radiodifusora de Macapa** 4915 Eng. Argit Bendito Rostan Costa Martins, Director. **Radio Cultura do Para** 5045 Ronald Pastor, Director. **Radio Aparecida** 11855 Ana Cristina Carvalho, Secretaria. **Radio Croatia - HRT** 5895 Zelmir Klasan. **Radio Rebelde** 5025 Srta. Marisel

Ramos Soca, Jefe Depto. Relaciones Publicas. **La Voz de Los Caras** 4795 Marcelo Nevarez Faggioni, Eng...via PLAY DX.

**MALAWI BROADCASTING CORPORATION**

CHICHIRI HOUSE, BLANTYRE, MALAWI

TELEGRAPHIC ADDRESS RADOMALAWI  
TELEPHONE 421 212  
FAX 471 252851 253



P.O. BOX 30131  
CHICHIRI  
BLANTYRE 3

4th June, 1996

REF. NO. DP/2/001

Mañendra Vaghjee  
5 MC Irvine Street  
Beau Bassin  
Mauritius

Dear Sir

RE: RECEPTION REPORT

We acknowledge receipt of your reception report.

Indeed the station you were listening to is the Malawi Broadcasting Corporation (M.B.C), and we are glad to learn that you are able to get our signal as far afield as your country. In fact, we have just installed a new 50 Kw shortwave transmitter and I feel its this new transmitter which is assisting in sending our signal far and wide.

Please keep on tuning to us and we shall be just too glad to air more interesting programmes for our listening public.

Goodbye and good listening.

Yours faithfully

J. C. Nondere  
DIRECTOR OF PROGRAMMES  
FOR: ACTING DIRECTOR GENERAL

13780 p/d cd. in 1 mo. (Barto):  
3995 f/d cd. in 6 wks. (Barto):  
3995, 6100, 6170 and 9545 p/d cd. in 2 mo. (Barto). 6140, 9545 and 12080 p/d cd. in 2 mo (Barto). 9545 via **Nauen** p/d cd. in 7 wks. (Barto). **Radio Vlaanderen International** 11680 via **Julich** f/d "Capucins Church" cd. in 29 ds (Humenyk). **Radio Vilnius** 5905 via **Julich** f/d "Land of Amber" cd. w/ schedule in 1 mo. (Humenyk-ONT)  
**GREECE: VOA Kavala** 7205 f/d cd. in 2 wks. (Wilkins-MO). **Voice of Greece** 5895, 6260, 7450 and 9425 f/d "Discobolus" cd. w/ schedule in 19 ds. (Humenyk-ONT).  
**GUAM: KSDA** 9650 f/d "10th Anniversary" cd. in 41 ds. (Hosoya-JPN).

**GUATEMALA: TGBA Radio Maya de Barillas** 3325 f/d cd. w/ ltr. and schedule, pennant, and studio photo in 4 mo. for a SP rpt. and \$1.00. v/s Jose Casteneda, Gerente (Myers-VA).

**HAWAII: Radio Free Asia** 9930 via **KWHR** f/d ltr. in 5 mo/ w/ schedule. (Barto). **KWHR** 17555 f/d "Globe/Satellite" cd. w/ schedule and rpt. forms in 85 ds. (Humenyk).

**ICELAND: INBS** 11402 & 13860 f/d "Map" cds. in 5 wks. for \$1.00. (Raymond).

Dear Mr. Samuel Barto,  
 we verify your reception report  
 Date: 15.07.1997  
 Time: 18.00 - 18.10 UTC  
 Frequency: 7210 (Kolodisci/Belarus)  
 7410 kHz (Kharkov/Ukraine)  
 Language: Belarussian  
 Sincerely



**ITALY:** RAI n/d "Torano Stoppazzoni Painting" cd. in 1 mo. (Humenyk).  
**JAVA:** RRI Jakarta 9680 p/d cd in 57 ds. for 1 IRC. (Neal)  
**KUWAIT:** Easy FM 92.5 11990  
 \* via Radio Kuwait f/d cd. in 4 mo. (Barto). Radio Kuwait 15505, 9855 & 15495 f/d folder cd. in 3 mo. w/ schedule. (Barto-CT).  
**MALAYSIA:** Radio Four 7295 via RTVM p/d E-mail ltr. in 2 ds. after my E-mail rpt. Total after 1st rpt. was 6 mo. v/s Jeffrey Looi, Engineer, Operations and Maintenance Officer. (Maroti-NY).

**MOLDOVA:** Voice of Russia 7100 via Kishinyov f/d cd. in 24 ds. for an E-mail rpt. (Neal-TX). 7105 and 7125 f/d "Pine Cones" cd. in 66 ds. w/ schedule and a personal note. (Humenyk-ONT).

**RADIO VATICANA**  
 La nostra antenna trasmette in italiano ed in lingua francese dal 1988 nel canale internazionale di 15.710 kHz.  
 Our repeater transmits 200 kW in Italian and in French on 15.710 kHz in the international channel of Vatican City.

27-XII-96  
 41 7305  
 Mr. Henry Weissborn  
 11214 Cliffwood Drive  
 HOUSTON Tx 77035-6010

**MONGOLIA:** Radio Free Asia 11580 via Ulan Bator f/d cd. in 299 ds. (Humenyk). f/d cd. in 5 mo. (Barto). 15170 f/d ltr. in 5 mo. (Barto).  
**MYANMAR:** Radio Myanmar 5985.8 f/d cd. w/ schedule in 3 mo. (Barto-CT).  
**NEW ZEALAND:** Radio New Zealand International 17675 via Rangitaikei f/d cd. w/ schedule in 19 ds. (Humenyk).

**VERIFICATION SIGNERS:** Con Frecuencia via Radio Europe 7306 R.G. Margenet, QSL Manager. JJY 8000 A. Otsuka. Radio Jordan 11690 Javad Zada, Director. Voice of Mongolia 15170 Lhagvadulam, Chief Editor of the Russian Section. Radio Santiago 5730 Juan Tuchia Oscate, Alcade of District of Rio Santiago and Guillermo Gomez Garcia, Director. Radio Victoria 6018 Martha Flores Ushinahu. Union Radio 6115 Juan Zubiassa Santivanez, Gerente General. Radio Horizonte 5020 Sra. Dolores Gutierrez Atienza, Administradora. WM International 12256 Addr: SRS, Ostra Porten 29, S-44254 Ytterby, Sweden. v/s Dave Jones. Deutsche Welle 5895 via Irkutsk Ing. Pete Senger. HBC Relay Seychelles 6005 Nigel Bird, Resident Engineer. All India Radio 5010 Thiruvananthapuram Thomas Koshy, Assistant Station Engineer. Radio France International 9805 via Issoudun New Addr: 10, Rue D'Oradeur sur Glane, F-75015 Paris...via PLAY DX.....Sam.



Señor  
 Federico C. de Castro  
 Av. Obisado Ancha 1124  
 12600 000 Loresa SP  
 Brasil

Apresendo anexo:

Reciba sinceros saludos de parte de los trabajadores de Radio Santa Cruz. Nos llena de alegría saber que tenemos un amigo en sus hermosos pais.

Tengo el gusto de comunicarle que la programación escuchada por Ud. en fecha 6 de Septiembre de 1997, a las 0524, hora boliviana, ES CORRECTA.

Le cuento un pequeño sobre la Radio y nuestra ciudad. El aniversario de Radio Santa Cruz es el 25 de Octubre. Contamos con un transmisor de 10 Kw de potencia, aunque ahora está funcionando con 7 Kw, nuestra antena es Dipolo Cerrado.

Santa Cruz tiene una población aproximadamente de 1.3 millones de hab. es uno de los principales departamentos de Bolivia. Cuenta con 15 provincias. Casi todo el año el clima es agradable. Generalmente tiene una temperatura entre 25 a 30° sobre cero.

Casi todo el departamento de Santa Cruz es planicie, con inmensos llanos rocosos. En la provincia Florida, tenemos el "TIERRITA", famosas Ruinas Arqueológicas, ubicadas en el valle de Samaipata. A 15 Km. de la ciudad tenemos una majestuosas "Lomas de Armas" bordeando vastas lagunas de aguas cristalinas y muchos otros lugares turísticos.

Reiterándole nuestra amistad y en espera de que nos siga sintonizando, me despido de Ud. con la esperanza de que visite esta su casa radial.

Le adjunto un boletín y una pegatina de nuestra emisora.

Cordialmente,

*[Signature]*  
 SECRETARIA



Calle Mario Flores Erc. Obando  
 Tel. Fono 231817 • Fax 831 • 3 - 522287  
 Casillas 02 - 3219 • Santa Cruz - Bolivia

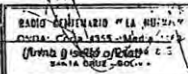
**PALAU:** Radio Free Asia 9910 & 9650 f/d cds. in @200 ds. (Humenyk). 9905 f/d ltr. w/ schedule in 5 mo. (Barto).  
**PERU:** Radio Union OBZ4N and \* OBZ40 6115 f/d "Logo" cd. w/ stickers in 2½ yrs. for a SP rpt. and \$1.00. There were no f/up rpts. sent!!! v/s Juan Zubiassa Santivanez Gerente General. (Loudell).  
 \* Radio 5264 La Voz de Chiriac 5264.7 f/d cd. w/ f/d personal ltr. in 3 mo. for a SP rpt. and stamps. v/s Hildebrando Lopez Pintado, Director and Santos Castañeda Cubas, Gerente. Very pleased. (Barto-CT).

*[Handwritten signature]*



**9SL**

Certificado de  
Sintonía



**RADIO CENTENARIO**  
**'la nueva'**

Castilla 818 Santa Cruz  
BOLIVIA

Estimado Sr. Samuel Barto

Muchas gracias por su informe de recepción que  
tenemos el gusto de confirmar de la manera  
siguiente:

FECHA: 24 de Mayo de 1993  
HORA de Bolivia: de 05:30 a 19:30 de la noche.  
FRECUENCIA: 4.855 kcl/KHz. onda corta.  
banda de 60 mts.

Nuestra emisora transmite con una  
potencia de 10<sup>4</sup> kilovatios.

**PHILIPPINES: Radio Veritas**

Asia 9670 f/d ltr. w/  
stickers and schedule  
in 13 mo. v/s Ms. Regie  
De Juan-Galindez. (Bar-  
to-CT).

**PORTUGAL: Deutsche Welle**

13780 via Sines (?) n/d  
cd. in 2 mo. (Barto).

**RHODES: (Dodecanese Isla-**

**nds): VOA** 7115 f/d cd.  
in 12 ds. v/s Dan Fer-  
guson, Frequency Mana-  
ger. (Loudell-DE).

**ROMANIA: Radio Moldova In-**

**ternational** 7500 via  
Galbeni f/d cd. in 109  
ds. for \$2.00. This was  
via the Rumen Pankov  
QSL Service. (Neal-TX).

**RUSSIA: Voice of Russia** 7135 f/d "Mountain/River" cd. in 65 ds. for a

JP rpt. Schedule was rcvd. (Hosoya-JPN).

**RWANDA: Deutsche Welle** 9690, 9765, 11785 and 15275 via Kigali p/d cd.  
in 2 mo. (Barto). 9735 and 15135 p/d cd. in 5 wks. (Barto). 15135 p/d  
cd. in 1½ mo. w/ schedule. (Barto-CT).

**SAIPAN: Radio Free Asia** 9445 and 11945 via KHBI f/d ltr. in 5 mo. (Barto)

**SAUDI ARABIA: BSKSA** 15345 f/d cd. w/ schedule in 2 mo. (Barto). 9870 and  
9555 f/d cd. w/ schedule in 2 mo. (Barto). 11780 and 11965 f/d cd. in  
5 wks. (Barto). 9550, 9870 and 11935 f/d cd. w/ schedule in 7 wks. (Bar-  
to). 9718.2 and

9553.5 p/d ltr. w/

**VERIFICATION SIGNERS:**

**Radio Provincia Buenos**

**Aires** 8098 Joarge A.  
Bourdet. Addr: Casilla  
96, 1900 La Plata.

**Radio Yerevan** 9965 Le-  
von Ananikian. **Radio**

**Fides** 9625 Eduardo Per-  
ez I., Director. **Radio**

**Centenario "La Nueva"**  
4855 Julio Acosta Cam-  
pos. Addr: Casilla 818,  
Santa Cruz. **Radiodifus-**

# RADIORANJE

**ora Nacional de Colombia** 4955 Athala Morris, Director. Addr: Avenida Eldorado CAN,  
Edificio De Inravisión, Santa Fe de Bogota....via PLAY DX.....Sam.



cd. in 2 mo. (Barto). 9703.2 and 11935 f/d cd  
in 5 wks. w/ schedule. (Barto-CT).

**SLOVAKIA: Adventist World Radio** 6055 via Rimav-  
ska Sobota f/d "Blue Logo Sticker" cd. w/  
ltr. and radio stamp in 7 wks. for \$1.00.

**SPAIN: Radio Exterior de Espana** (Loudell).  
6055 via Noblejas f/d cd. w/ schedule in 72  
ds. (Humenyk). RFE/RL 7220 via Playa de Pals  
f/d ltr. in 22 ds. w/ schedule and stickers.  
v/s David Walcutt, Broadcast Operations Lia-  
ison. (Humenyk-ONT).

**SRI LANKA: VOA** 7115 f/d "Golden Gate Bridge" cd  
in 38 ds. (Humenyk). Deutsche Welle 11865 p/d  
cd. in 1½ mo. (Barto). 11865 p/d cd. in 9  
wks. (Barto-CT).

**TAIWAN: Radio Taipei International** 9610 "First  
Day" QSL w/ cartoon figures on the front  
(different from the one shown in March 98  
NASWA QSL Column). Allin 2½ mo. (Berg-MA).  
11745 f/d cd. w/ sticker and rpt. forms  
in 68 ds. (Hosoya). 5950 f/d cd. in 49 ds.  
(Levison-PA)....WYFR relay?...Sam.

**TAJIKISTAN: Radio Free Asia** 11510 via Dushanbe f/d ltr. in 5 mo. (Barto). f/d ltr. in 7 mo. (Barto). 11590 and 7530 f/d ltr. w/ schedule in 299 ds. (Humenyk). 7410 f/d ltr. in 5 mo. w/ sticker and schedule. (Barto). 11575 f/d ltr. in 4 mo. w/ sticker and schedule. (Barto). 7530 f/d ltr. in 6 mo. (Barto). 11590.3 f/d ltr. w/ sticker in 6 mo. (Barto). 11590 f/d ltr. in 5 mo. (Barto-CT).

**THAILAND: Radio Thailand** 7145 via Udon "Red Lotus" cd. in 59 ds. for a JP rpt. Schedule rcvd. (Hosoya-JPN). **VOA** 9850 f/d "Yellowstone" cd. w/ schedule and sticker in 38 ds. (Humenyk-ONT).

**TURKEY: Voice of Turkey** 9560 f/d "Santa Claus" cd. w/ schedule and brochures in 41 ds. (Hosoya). 9445 same cd. w/ sticker and schedule in 92 ds. (Humenyk-ONT).

**UKRAINE: Radio Belarus International** 7410 via Kharkov f/d cd. in 2 mo. w/ schedule. (Barto). 9560 via Nikolayev f/d "Terracotta Tile" cd. w/ schedule in 265 ds. (Humenyk). **Radio Ukraine International** 5915 f/d "Church" cd. w/ schedule in 41 ds. (Levison-PA).

**USA: WWV** 10000, 15000 and 20000 f/d "Native American" folder cd. in 3 wks. (Loudell-DE).

**VERIFICATION SIGNERS: Broadcasting Service of the Kingdom of Saudi Arabia** 15060 Sulaiman Samman. Addr: P.O. Box 61718, Riyadh 11575. **Radio Anhanquera** 4915 Eng. Domingos Vicente Tinoco. Addr: C.P. 4104, Goiana 74823-870 Goias. **Guangxi Foreign Broadcasting Station** 5050 Yuan Ri Qin. Addr: 75 Minzu Dadao, Nanning, Guangxi 530022.

**Colmundo Bogota** 6065 Jorge Eliecer Hernandez. **Hrvatski Radio** 9520 via German transmitter site. Teodoro Mazuranic. Addr: TRG Stjepana Radica 3, CR-10000 Zagreb. **Radio Itatiaia** 5970 Emanuel Carnero, Director Presidente.....via PLAY DX.....Sam.



20 AÑOS

AL SERVICIO DEL PAIS

COCHABAMBA · BOLIVIA

1981

**WYFR** 9505 f/d cd. in 74 ds. w/ schedule. (Humenyk). 21525 f/d "Staff w/ Globe" cd. w/ pocket calendar in 66 ds. (Humenyk). 6065, 9505 and 9985 f/d cd. in 6 wks.

w/ schedule (Barto). **WHRI** 15105 f/d "Logo" cd. w/ schedule in 143 ds. v/s Mrs. Loren Holycross. (Humenyk).

**WSHB** 7535 f/d "Antenna w/ Globe" cd. in 55 ds. v/s Judy P. Breland. (Humenyk)

**WINB** 13790 f/d cd. in 2 mo. (Barto).

**Radio Taipei International** 15600 via **WYFR**

f/d "Staff of the Foreign Language Network in Office" cd. w/ newsltr., sticker and schedule in 40 ds. (Humenyk). 5950 f/d "Spec-

ial January 1st Inaugural" cd. w/ New Years First Day Cover, schedule,

sticker and newsltr.

in 6½ wks. v/s Paula Chau. (Loudell). f/d cd.

w/ schedule and sticker in 43 ds. (Stewart-MO).

\* **WPHG** 1620 Atmore, AL nice, computer generated folder

w/ full freq. only QSL. in 3 wks. for E-mail and USPO

rpt. (Berg-MA). **Radio Free**

**Asia** 9445, 9905, 11955 and

9480 via Delano f/d ltr. in

299 ds. (Humenyk-ONT). 15515 and

11765 f/d ltr. in 5 mo. (Sept.97)

via Monferini

89.3 FM Stereo

La Emisora de la Alegría

EL BANDERIN DE LA SUERTE

Nº \_\_\_\_\_

HAMEENLINNA 101,7

**RADIO JAMA**

On The Air

FORSSA 97,7 · LAMMI 89,7



(Barto). 11575 f/d ltr. in 6 mo. w/ sticker. (Barto). 11575 f/d ltr. in 5 mo. (Oct. 97) (Barto). 11590 and 11600 f/d ltr. in 6 mo. (June 97). 9365 f/d ltr. in 7 mo. (July 97) (Barto). 11590 f/d ltr. in 4 mo. (Mar. 97) (Barto). 9365 and 5930 f/d ltr. in 6 wks. w/ sticker (Sept. 97) (Barto). 11590 and 11540 f/d ltr. in 7 mo. (April 97) (Barto). 11590 f/d ltr. in 5 mo. (Oct. 97) (Barto). 11575 and 11590 f/d ltr. in 5 mo. (April 97) (Barto)...I have indicated the months of reception. Does anyone have any knowledge as to the transmitter sites during those time frames?...Sam.

**USA (Pirates): Up Against the Wall Radio 6955** f/d sheet w/ 3 comic collector cds. in 17 ds. for 3 ms. The sheet was a picture of a boy standing in front of a bullet riddled wall. (Wilkins-MO). same in 106 ds. for \$1.00. (Pa-squale-PA). **Rock-It-Radio 6955** f/d yellow

中國國際廣播電台

CHINA RADIO INTERNATIONAL

**VERIFICATION SOGNERS: Kazakh Radio 4545** Raushan Aidjanova, DJ. Addr: Zhelitoskan Street 175/A, 480013 Almaty. **RI Kendar 4000** Muniruddin Amin, Programmer. Station will use SASE. **Radio Europe** new Addr: P.O. Box 12, IT-20090 Limite Di Pioltello, Italy. **Voice Radio Norway International** 4000 Metulla, Israel. **Radio Moldava International** 9400 Iurie Moraru.

**of Hope 6500** Gary Hull. Addr: P.O. Box 77, Metulla, Israel. **Radio San Marino International 7440** S. Gasperoni, QSL Manager.... via PLAY DX.....Sam.

Radio Broadcasting Service  
**RADIO NEPAL**  
P. O. Box 634, KATHIMANDU / NEPAL.  
**QSL-VERIFICATION-CARD**



Dear Jerry Klinck,

We are very pleased to confirm your reception report of our transmission, which is in accordance with our schedule.

Date: 11 Nov. 1994

Frequency (kHz) 5005

Time (UTC) 11:36

We thank you for your report, we will be pleased to hear from you again With best wishes from Nepal.

Broadcast Hours: 00.15-17 15 HRS (UTC)

FREQUENCIES 5005, 7165/3220, 1143, 810, 792, 684, 648, 574 (kHz)

*R. KANKI*  
Signature

Jerry Klinck  
43 Lein Road  
West Seneca,  
N.Y. 14224  
United States

"Logo" cd. in 24 ds. for ms. (Used). Form ltr. was also rcvd. (Wilkins-MO). **Take It Easy Radio 6955** f/d large multi-colored skelton certificate in 147 ds. for 3 ms. Also rcvd. personal ltr., a pirate flag, decal and food coupons. This is the best pirate QSL rcvd so far! (Wilkins-MO). **Friday Radio 6955** f/d "Friday or Bust" cd. in 104 ds. for 3 ms. (Wilkins-MO). **Radio Erotica 6955** f/d cd. in 29 ds. for 3 ms. (Neal-TX). **The Voice of Shortwave Radio 6955** via **WREC** f/d sheet #55 in 40 ds. for 3 ms. (Neal-TX).

Only a few left...See you next month.....Sam.

**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 add-

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



# Net Notes

**Tom Sundstrom**  
PO Box 2275  
Vincentown, NJ 08088-2275  
Fax: 609-859-3226  
Internet: trs@trsc.com  
<http://www.trsc.com>

New URLs in the last month include WGTG<sup>1</sup> in Georgia — with a program guide and transmission schedule — and Radio Taipei International and the Voice of Asia<sup>2</sup> selections from one Web page. Updates include Radio Vlaanderen Internationaal<sup>3</sup> and YLE Radio Finland<sup>4</sup>.

The NASWA chapter Boston Area DXers (BAD) has also changed its home from the Grove server to the ANARC home.<sup>5</sup>

## Winterfest '98

Thanks to Ed Mauger, we have photos taken at the March happening. Look for a link off the 'fest announcement page.<sup>6</sup>

## Must-have software

How many times have you attempted to download a large file such as a Web browser upgrade to have it abort with only a small percentage to finish? It happened to me, twice, on 8+

Mb downloads of the latest Netscape Navigator.

Here's an inexpensive and very good shareware solution if you run Windows 95/NT. It is called **GetRight**<sup>7</sup> that takes over the transfer and resumes upon pauses and disconnects. It monitors the file download clicks of the browser, then pops up a dialog box offering to download the file now or later. Later allows scheduling of one or more files at a time you select, and GetRight is clever enough to handle the dial-up connect and disconnect. The registration cost is just \$17.50.

## JRC NRD-545

The new DSP receiver should be ready for shipping in the very near future. We have an Adobe PDF file of the receiver brochure on our Web site.<sup>8</sup> Remember that the preface "http://" below is implied...

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

<sup>2</sup> [www.cbs.org.tw/eng/engb.html](http://www.cbs.org.tw/eng/engb.html)

<sup>3</sup> [www.rvi.be](http://www.rvi.be)

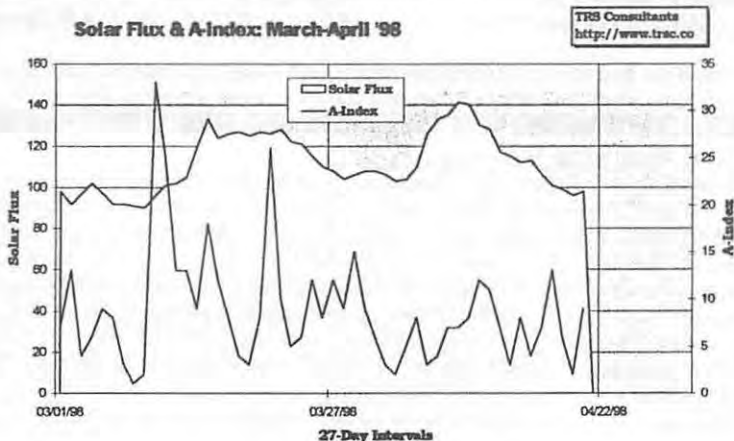
<sup>4</sup> [www.yle.fi/fbc/rfinland](http://www.yle.fi/fbc/rfinland)

<sup>5</sup> [www.anarc.org/naswa/badx](http://www.anarc.org/naswa/badx)

<sup>6</sup> [www.trsc.com/swi\\_fest.html](http://www.trsc.com/swi_fest.html)

<sup>7</sup> [www.getright.com](http://www.getright.com)

<sup>8</sup> [www.trsc.com/nrd545.html](http://www.trsc.com/nrd545.html)



# Contributors' Page

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

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


The following members contributed loggings:

Brian ALEXANDER, Mechanicsburg, PA  
Raymond BAUERNHUBER, Rosedale, NY  
Jerry BERG, Lexington, MA  
Eric BUENEMAN, Hazelwood, MO  
David CLARK, Thornhill, ONTARIO  
Peter COSTELLO, Matawan, NJ  
Nicolas ERAMO, Buenos Aires, ARGENTINA  
J. FINDLATER, Los Angeles, CA  
Bob FRASER, Cohasset, MA  
Bill FLYNN, Cave Junction, OR  
Bob HILL, Littleton, MA  
Mark HUMENYK, Weston ONTARIO  
David KRAUSE, Eastlake, OH  
Harold LEVISON, Philadelphia, PA  
Jerry LINEBACK, Scranton, KS  
George MAROTI, Mt. Kisco, NY  
William MCGUIRE, Cheverly, MD  
Jim MOATS, Ravenna, OH  
Gary NEAL, Sugarland, TX  
Ed NEWBURY, Kimball, NE  
Jay NOVELLO, Wake Forrest, NC  
Takayuki Inoue NOZAKI, Tokyo, JAPAN  
Denis PASQUALE, New Brighton, PA  
Sheryl PASZKIEWICZ, Manitowoc, WI  
Bob RAYMOND, Nashua, NH  
Chuck RIPPEL, Cornland, VA  
Giovanni SERRA, Rome, ITALY  
Randy STEWART, Springfield, MO  
Tom SUNDSTROM, Vincentown, NJ  
Mahendra VAGHJEE, Rose Hill, MAURITIUS  
Terry WOLF, Bellville, OH  
Robert YAJKO, Leechburg, PA  
Dan ZIOLKOWSKI, Hanburg, NY

R8B AOR AR-7030 100' LW  
Sony 2010 telescopic whip  
R8 165' LW  
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  
FRG-7700 LW  
Sony ICF-2003 ICF-SW100S 2m LW  
R8 R7A DX-Ultra inverted V  
Sony 2010 120' dipole at 35'  
Magnavox D-2935 AN-60 DX-SWL Sloper  
Kenwood R600  
R8 R70 YB400  
R7A beverage antennas  
Sony 2010 10/45m dipoles MFJ-956 tuner  
DX-380  
DX-440 48' indoor LW  
Grundig YB-400  
WJ-1000 R8 60'Sloper 20' loop  
R8A LW's

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  
NRD-525 AD Sloper  
FRG-100 w/Collins filters

Lowe Europa 225E Sony 2010 LW ARA60  
Sony 2010 LW  
R8-A 80' LW  
R8 Sloper SPS NRF-7 SEM QRM Eliminator

Thanks to all our contributor's for another great month's loggings and QSL info. You can also send Scoreboard totals and other contributions, and I'll forward them to the editors. 

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

In the Loudnboomer Report, Charlie discusses country lists a "subject that stirs the fires of missionary zeal in each of us." The Shortwave Center featured articles by John Callarman about the famous hoax station at Nibi Nibi, Richard Odlin about Cook Islands, John Campbell about National Anthems as an Aid to Identification, and George Schnabel about a Dxpediton to Ottawa with Gregg Calkin (with pictures). In Headquarters Calling, Dan Ferguson informs members that Larry Yamron will be replacing Gregg Calkin as QSL Report editor in July; Dan Jamison will be the new Listener's Notebook editor in June; Dan Henderson is the new Awards Chairman. The QSL Report was lost in the mail. The Log Report featured contributions from 61 members.

# Tropical Band Loggings

**Sheryl Paszkiewicz**

P.O. Box 152  
Manitowoc, WI 54221-0152  
spaszkie@msn.com

- 2460 UNID Ham? 4/10 0458 lite rock mx, ID, ads w/phone Number 337 3116 (Sgru-NY)
- 3210 COSTA RICA REE Relay 3/7 0201 //5990, 5970, 6055, 6125 nx, jingle, IDs (Serr-IT)
- \*3215 MADAGASCAR AWR 1530-1600 in Malagasy, IS, EG ID, FR, GG, SP BP 700  
Tananarive, phone 261-2022-40465, powerful (Vagh-MAUR)
- 3215 SULAWESI RRI Manado 3/14 1200 SCI, nx, poor (Line-KS)
- 3260 NEW GUINEA R Madang 4/5 1115 island mx (Ripp-VA) 3/22 1117 C&W vcls, tk in lang  
(Line-KS)
- 3265 SULAWESI RRI Gorontalo 3/14 1200 SCI, nx, good (Line-KS)
- 3290 ECUADOR R Centro 3/5 1025 SP tlks, ID, fair (Alex-PA)
- 3315 ADM ISL R Manus 4/5 1045 exc sigs w/Top Hit Countdown, nx & lcl anmts (Ripp-VA)  
3/25 1135 EG reading, anmts (Line-KS)
- 3325 GUATEMALA Radio Maya 4/4 1100 sermon & accordion solo (Robi)
- 3325 KALIMANTAN RRI Palangkaraya 3/25 1215 RRI nx, fair (Line-KS)
- 3340 PERU R Altura 3/10 1006 tk, LA mx, p-f (Buen-MO) 3/5 1008 OA folk mx, ID, anmts,  
good (Alex-PA)
- 3344.8 MOLUCCAS RRI Ternate 3/14 1200 SCI, nx, fair (Line-KS)
- 3345nf UGANDA R Uganda 4/11 0426 nx of Kampala & Uganda (Pasz-WI)
- 3370 GUATEMALA R Tezulutlan 4/4 1030 lang ID, few bars of Inter-mezzo, tk, good sig (Robi-TN)
- 3385 SARAWAK RM Miri 3/17 1324, poor (Line-KS)
- 3385 SUNDAS RRI Kupang 3/28 1211 RRI nx, fair (Line-KS)
- 3400 LIBERIA pres Star Radio, 3/6 0500 definite Liberian NA, tk muffled (Berg-MA)
- 3560 N KOREA R Pyongyang 3/19 1213 KK tk (Line-KS)
- 3905 IRIAN JAYA RRI Merauke 3/19 1210 poor (Line-KS)
- 3905t NEW IRELAND R New Ireland 3/3 to 1204\* choral mx, PNG NA at sign off (Maro-NY)
- 3912 S KOREA Vo People 3/19 1210 KK tk, fair (Line-KS)
- 3925 JAPAN 4/11 1032 discuss w/M&W (Ripp-VA)
- 3976 KALIMANTAN RRI Pontianak 3/19 1205 nx, fair (Line-KS)
- 3995 GERMANY DW 3/11 0700 IS, GM tk (Line-KS)
- 4000 SULAWESI RRI Kendari 3/19 1205 nx, fair (Line-KS)
- 4552.3 BOLIVIA Rdf Tropico 3/14 1051 mx, tk, poor (Line-KS)
- 4606.4 IRIAN JAYA RRI Serui 3/22 1143 tk, mx (Line-KS)
- 4682.3 BOLIVIA R Paititi 3/14 1055 mx (Line-KS)
- 4725 MYANMAR RM 3/11 1148 lang tk, vcls (Line-KS)
- 4735 CHINA Xinjiang PBS 3/13 1157 mx, TP, anmts (Line-KS)
- 4746.8 PERU R Huanta 2000 3/14 1057 tk, mx, fluttery (Line-KS)
- 4750 TIBET Xizang PBS 3/11 1154 mx, anmts, TP (Line-KS)
- 4753 SULAWESI RRI Ujung Pandang 2/5 1320 2M tk in AR (Newb-NE)
- 4755 BRAZIL R Educ Rural 3/5 0224 mx, rel tk, ID, ads (Vagh-MAUR)
- 4760 ANDAMAN ISL AIR Pt. Blair 3/11 1200 tk, SC mx, TP, EG nx fair (Line-KS) I got a  
tentative on this finally-sp
- 4770 NIGERIA Kaduna 3/11 0646 lang tk, IS, fair (Line-KS)
- 4775 INDIA AIR Imphal 4/11 1218 Indian songs (Padu-AUS) Welcome!
- 4775 SWAZILAND TWR 3/4 0417 GG tk, choir (Newb-NE)
- 4777 GABON RTV Gabonaise 3/10 FR 2113 political tk, Afropops, canned anmt (Serr-IT)
- 4777 JAVA RRI Jakarta 3/22 1200 SCI, nx, weak (Line-KS)
- 4779.8 ECUADOR R Oriental 4/11 1046 poor w/LA mx, ads, ID (Ripp-VA)
- 4783.3 MALI RTV 3/11 0644 FR tk (Line-KS)
- 4785t ECUADOR R Federacion 3/19 2354 tk, rap, QRM from Mali, nothing on the other 2  
channels (Hill-MA)

- 4789 DOM REP Onda Musical 3/16 2322 nx, phone tlk, ad for El Banco del Pais, ID, strong (Nove-NC)
- 4790 PAKISTAN Azad Kashmir R 4/2 1445 clear ID, Urdu anmts, Kashmiri songs, 1500 Urdu nx (Vagh-MAUR)
- 4790 PAKISTAN R Pakistan 3/20 1716 ID, anmt, long song, propaganda & patriotic songs (Vagh-MAUR)
- 4800 GUATEMALA R Buenas Nuevas in Mam lang, 3/15 0214 Bible reading choral chant, ID & freq, hasta manana (Serr-IT)
- 4800 INDIA AIR Hyderabad 4/11 1225 HD tlks, audible after co-channel Mexido fade out (Padu-AUS)
- 4800 MEXICO XERTA 4/6 1000 Cielito Linda & Guadalajara (Robi-TN) 4/5 0352 test in EG/SP Ids, all types mx, fair (Flyn-OR) 3/22 0105 anmts, ranchera mx, EG Ids, weak (Alex-PA)
- 4810 ARMENIA Vo Armenia EG 3/10 2121 nx, ID, fine mx, cmtry abt democracy //9965 (Serr-IT)
- 4815 BURKINA FASO R Burkina FR 3/10 2135 tlk, Afropops (Serr-IT) 3/11 0642 FR tlk, good (Line-KS)
- 4820 BOTSWANA RB 3/10 2202\* Western pops, tlk, ment Botswana poss prayer, NA (Serr-IT)
- 4820 INDIA AIR Calcutta 4/11 1223 sign on (Padu-AUS)
- 4825 RUSSIA Yakut R 3/21 1225 tlk, poor (Line-KS) ID?
- 4828 ZIMBABWE ZBC 3/15 2130 tlk abt Zimbabwe, hilife mx, drama, NA to 2200\* (Hill-MA) 3/29 0340 appears to replace 3396 Afr mx, vern tlk (Alex-PA)
- 4831 THAILAND R Thailand Home Service 4/11 1145 Thai tlk (Padu-AUS)
- 4832 COSTA RICA R Reloj 3/11 0635 ID, nx (Line-KS)
- 4835 GUATEMALA R Tezulutan 3/7 0035 in lang w/mensajes, IDs (Serr)
- 4835 MALI RM 3/11 0636 FR tlk, Afr mx, fair (Line-KS)
- 4840 VENEZUELA R Valera 3/15 0257 anmts, ID, rel pgm (Serr-IT)
- 4845 MALAYSIA RM 3/21 1220 mx, long tlk (Line-KS)
- 4850 INDIA AIR Kohima 3/10 0030 SC mx, p-f, 1232 EG nx (Line-KS)
- 4860 INDIA AIR Delhi 3/10 0030 EG, SC mx, 1230 EG nx (Line-KS)
- 4870 BENIN ORTB 3/11 0632 FR tlk, good (Line-KS)
- 4874.6 IRIAN JAYA RRI Sorong 3/13 1152 local mx, high woman's voice piercing noise floor, SCI, tlk (Nove-NC) 3/14 1300 SCI, nx exc, stronger than Ujung Pandang (Line-KS)
- 4875 BRAZIL R Roraima 4/7 \*0930-1030\* freq Ids, orchestra (Robi-TN) 3/15 0321 tlk, chorus, IDs (Serr-IT)
- 4880 INDIA AIR Lucknow 4/11 1215 Indian songs, QRM from co-channel Bangladesh (Padu-AUS) 3/10 0030 SC mx (Line-KS)
- 4885 BRAZIL R Clube 3/7 0050 chat, song, IDs, slogans (Serr-IT) 3/4 0425 folk mx w/accordion, ment Brazil, mx (Newb-NE)
- 4890 PAPUA NBC 2/5 1326 PD tlk, peppy song, like C&W (Newb-NE) 3/17 1312 EG pops (Line-KS)
- 4895 INDIA AIR Kurseong 3/11 1233 EG nx (Line-KS)
- 4895 SARAWAK RM 3/17 1314 mx, tlk in lang (Line-KS)
- 4900 CHINA 3/11 1205 Vo Strait, CH tlk, mx (Line-KS)
- 4910 INDIA AIR Jaipur 4/11 1210 cricket (Padu-AUS)
- 4915 BRAZIL R Anhanguera 3/28 0013 tlk, mx, ID, freq (Ziol-NY)
- 4919 ECUADOR R Quito 3/4 0413 nx, mx between items (Newb-NE)
- 4920 INDIA AIR Chennai 4/11 1207 EG cricket (Padu-AUS) 3/10 0030 SC mx, 1234 EG nx (Line-KS)
- 4925 BOLIVIA R San Miguel 4/1 1024 tlk, flutes, rooster (Ziol-NY)
- 4925 SUMATRA RRI Jambi 4/4 2208 local ID, 2210 Koran (Vagh-MAUR) 3/14 1237 IN mx (Line-KS)
- 4935 KENYA KBC 3/16 1851 sermon, hymn, 3 TP, anmts, TC (Serr-IT)
- 4940 INDIA AIR Guwahati 3/11 1209 chants over Vo Strait (Line-KS) Nice!
- 4940 VENEZUELA R Amazonas 3/29 0222 ritmos, YL anncr, ads, IDs poor fair (Flyn-OR)
- 4945 BRAZIL Emis Rural 4/1 0245 singing call in show. ID & freqs to 0306\* (Sgru-NY)
- 4950 KASHMIR AIR Srinagar 4/11 1150 Indian songs (Padu-AUS) 3/3 1930 nx in Hindi, EG, 1945 Urdu mx, 1955 ID (Vagh-MAUR)
- 4960 RUSSIA Chita R 3/11 1212 class mx, fair (Line-KS)
- 4965 ZAMBIA Christian Vo 4/1 1800 reactivated from 3330 which was much better (Vagh-MAUR)

- 4970 INDIA AIR Shillong 4/11 1141 fade in w/Indian songs (Padu-AUS)  
 4976 UGANDA R Uganda 3/12 2010 vern mx, tk (Serr-IT)  
 4980 CHINA Urumqi 4/11 1224 Mongolian local songs (Padu-AUS)  
 4990 INDIA AIR Itanagar 4/11 1142 Indian vocals (Padu-AUS)  
 4990.9 PERU R Ancash 3/14 1109 ads, OA mx, fair (Line-KS)  
 4995.5 PERU R Andina 3/14 1108 OA mx, SP anmts, good (Line-KS)  
 5000 VENEZUELA YVTO 3/22 0234 Tps, Tcs, ID, slogan (Serr-IT)  
 5003.5 RIO MUNI RN 3/11 2155 lcl songs, SP tk (Hill-MA)  
 5005 SARAWAK RTM Sibu 4/11 1150 talk in vernacular (Padu-AUS)  
 5009.6 MADAGASCAR RM 3/3 0312 lang/FR Dr. Zhivago theme, sounded like kids show Radio Solare was on (Sgru-NY) 3/10 0251 IS, NA FR anmts, mx (Line-KS) 3/15 \*0254 xylo IS, chorus, anmts rel chorus (Alex-PA)  
 5010 INDIA AIR Thiru. 3/10 0027 SC mx, tk, fair (Line-KS)  
 5018.6 PERU R Horizonte 3/2 0220 hrd but unid, 3/3 0100 ID'd (Berg)  
 5019.6 COLOMBIA Ecos del Atrato 3/8 0400 robust Latin rhythms, anmts, Tcs, ads, ID, NA 0503\* (Berg-MA)  
 5020 SOL ISL SIBC 3/22 1035 YL tk, inspirational mx, BBC nx (Cost)  
 5020.4 NIGER LV du Sahel 3/10 2011 pop songs, FR (Serr-IT) 3/6 1700 AR nx & mx, 1815 some EG, 1900 FR nx (Vagh-MAUR)  
 5025 BENIN R Parakou 3/12 1918 FR/vern, Afr mx, ment Parakou (Serr)  
 5030 CHINA CPBS 1 3/10 2033 Euro class mx, CH anmts (Serr-IT) 3/31 1225 CH tlks, weak (Newb-NE)  
 5030 COSTA RICA AWR 3/11 0304 SP class mx, pops, sermon, ID (Serr)  
 5030 SARAWAK RTM Kuching 4/1q1 1155 talks in Bidayuh with co-channel QRM from China (Padu-AUS) 3/17 1318 tlks in Bidayuh fair (Line-KS)  
 5039.2 PERU R Libertad 3/5 0955 SP pops, OA folk mx, echo anmts, ID fair (Alex-PA)  
 5050 INDIA AIR Aizawl 3/3 2300 mx, ID, EG TC, nx, ID (Vagh-MAUR)  
 5055 PAKISTAN R Pakistan 3/21 1445 long tk, 2 songs, frequency anmt, prayer, anmt, good (Vagh-MAUR)  
 5060.1 CHINA Xinjiang PBS 2/28 1647\* pres Mongolian, folk songs & CH class mx, anmts, poss ID, TP (Serr-IT)  
 5076.9 COLOMBIA Caracol 3/13 0355 2M tk, ID (Newb-NE)  
 5100.1 LIBERIA RL 3/10 2054 EG Afropop mx, ID, nx 2104 (Serr-IT)  
 5125 CHINA CPBS Taiwan service 3/9 2010 CH mx (Serr-IT)  
 5470 LIBERIA R Veritas 3/29 0715 EG nx, ID, promos, mx (Alex-PA)  
 5500 ETHIOPIA Vo Tigray Rev 3/23 0358 IS, anmts, nx (Sgru-NY) 2/28 1559\* songs, poss nx, fair (Serr-IT)  
 5522.2 PERU R Sudamerica 3/8 0238\* tk, folk mx, ID (Alex-PA)  
 5637 PERU Radio Peru 3/10 0045 OA mx, ID (Sgru-NY) 4/12 0155 guitar mx, tk, ID (Nove-NC)  
 5745 USA WHRI 2/21 0253 EG tk show (Hume-ON)  
 5835nf KALININGRAD R Nederland Relay 4/12 \*2030 in Dutch (Padu-AUS)

This month reporters from 12 states, 1 Canadian province & 3 foreign countries. Thank you, BOB PADULA for the good logs. Once again, my E-mail address is spazkie@msn.com. Next deadline May 22.

I don't think I got any QSL all month. I have recently seen QSLs from Afghanistan and Guinea in the hobby press. That is encouraging indeed. Unfortunately, it looks like I spent more time on the computer than the radio this month. But it was radio related what I was doing.

Special thank you to BETSY ROBINSON for the nice Easter note.



# International Band Loggings

Wallace C. Treibel  
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- 59494 GUYANA V of Guyana in EG 2148, soft vocal., vy weak, KO'd by WYFR 2152 (Hill MA 3/28)  
 5960 CANADA D Welle relay in EG 0100, "Newslink", mostly political nx, vg (Bauernhuber NY 3/16)  
 5960 CANADA R Monte Carlo relay in AR 0400, mainly regional nx, g (McGuire MD 3/19)  
 6000 CUBA RHC in EG 0115, lcl nx, cmntry, //9820 (Newbury NE, Humenyk ONT, Bauernhuber NY)  
 6010 ITALY RAI Rome in EG 0050, nx, survey results, //9675 (Fraser MA 3/19, Bauernhuber NY 3/16)  
 6020 NETHERLANDS ANTILLES RN relay in EG, "Newsline", science feature (Bauernhuber NY 3/16)  
 6030nf7 UKRAINE R Ukraine in EG 0408, regional nx, //7150 under R Marti (Paszkiwicz WI 3/8)  
 6070 CANADA CFRX Toronto in EG 0125, NBA basketball Toronto-Detroit, g (McGuire MD 3/21)  
 6075 ANTIGUA D Welle relay in GM 0224, "Radniski March", C&W and folk mx (Newbury NE 3/15)  
 6085 GERMANY Bayerischer Rundfunk in GM 0259, instrml, local TC, nx (Paszkiwicz WI 3/3)  
 6090v ALBANIA R Tirana relay of RTV Shqiptar HS in AL 0745, lcl mx & nx, ID (Serra ITALY 3/11)  
 in AL 0050, tlks, unstable sig, het from Carib Beacon, shifting fqy, //72699 (Alexander PA 3/14)  
 61133v ALBANIA R Tirana in EG 0245, nx, cmntry, heavy hets, better on //7160 (Alexander PA 3/7)  
 6125 CHINA CPBS-1 in CH 2246, OM & YL swapping mike, ID 2250, choppy sig, f-p (Hill MA 3/23)  
 6135 TURKEY V of Turkey in EG 2305, rpt on U.N. inspections in Iraq, g (McGuire MD 3/19)  
 6155 BOLIVIA R Fides in SP 0209, jingle, ID, musical call-in pgm, TC's (Eramo ARGENTINA 3/22)  
 6165 INDIA AIR Delhi in Urdu 0110, Urdu songs, ID, relig pgm, flute mx (Vaghjee MAURITIUS 3/14)  
 6165 SWITZERLAND SRI in EG 0633, "Newsnet", into "Name Game", //5840 (Krause OH 3/7)  
 6260 GREECE VoG in EG 0130, nx, GK mx, //7450 better (Newbury NE, Pasquale PA, Sgrulletta NY)  
 6265nf ZAMBIA ZNBC Lusaka in lang 0300, OM 'flaying' local mx, QRM from Greece (Sgrulletta 3/22)  
 6675nf7 PERU Ondas del Rio Marañon in SP 0003\*, OM w/mx pgm, ID & NA at s/off (Eramo ARG 3/18)  
 7115 SWEDEN R Sweden in EG 0347, sports nx, snowboarding at Swedish resort, g (Newbury NE 3/24)  
 7115 GREECE VOA relay Rhodes in AR \*0400, s/on w/IS & ID in EG, into AR, fqys, nx7, fair sig but slightly distorted audio, best bet to log Dodecanese Is before VOA leaves site (Clark ONT 3/26)  
 7125 INDIA AIR Bangalore in HD 0140, tlk in lang, cmntry, instrml mx, distorted audio (Vaghjee 3/14)  
 7145 THAILAND RT Udorn Thani in lang 1359\*, tlk by YL, ancmts in EG, exc (Lineback KS 3/21)  
 7150 UKRAINE RUI in EG 2240, ID, tlk on Ukrainian Jews in Israel, g-f (Bueneman MO 3/9)  
 7160 ALBANIA R Tirana in EG 0245, nx re conflict in Kosovo w/ethnic Albanians, g (Pasquale PA 3/7)  
 7255rf NIGERIA VoN in EG 0500-0700, reactivated fqy, s/on w/drums, NA, IS, fqys, nx re Nigeria, ID into FR programming at 0700, vg (Alexander PA 3/7, Newbury NE 3/25)  
 7270 ITALY RAI Rome in RS 0335, pop & rock mx, OM in RS, ID 0343, g (Newbury NE 3/24)  
 7280 SWEDEN R Sweden in EG 0235, ID, rpt on Swedish men, lcl wx rpt, g (McGuire MD 3/21)  
 7290 SAOTOME VOA relay in EG 0420, ID, nx, House debate on need for self help (Newbury 3/12)  
 7345 CZECH REPUBLIC R Prague in SP/EG 0030, ID, EG 0100 after SP pgm, nx (Findlater CA 3/29)  
 7370 TURKEY Turk Polis Radyosu in TK 0840, lcl & class mx, tlk, ID jingle, f-p (Serra ITALY 3/11)  
 7375 BULGARIA R Bulgaria in EG 0001, cmntry on Catholic church in Bulgaria, wx, vg (Levison PA 3/6)  
 7465 NORWAY R Denmark relay in DN 0030, IS, ID in EG, nx in DN, g (McGuire MD 3/21)  
 7500 ROMANIA R Moldova relay in EG 0330, ID, nx, cmntry on lcl gov't services, f (Pasquale PA 3/7)  
 7530 BULGARIA R Bulgaria in GM/FR 1750, chant, tlk, instrml mx, ID, fqy & nx in FR (Serra ITALY) in EG 2034, taped cmntry by OM, g, //9700 (Humenyk ONTARIO)  
 9022 IRAN VOIRI in EG \*0027, IS, ID, fqy, prayer, nx, cmntry, //9685 (Moats OH 4/3, Pasquale 3/25) in SP 2050, cmntry by YL, f, //7260 (Humenyk ONTARIO 2/21)  
 9475 EGYPT R Cairo in EG 0205, ID, AR mx, Koran readings, nx (McGuire 3/21, Newbury NE 3/24)  
 9525nf PHILIPPINES R Veritas Asia in Zomi-Chin 1555\*, ex-9555, IS, ID in EG at s/off (Treibel WA 4/7)  
 9585 BRAZIL R Globo in SP 0237, BR mx, fast talking DJ mentioned Sao Paulo (Paszkiwicz WI 3/20)  
 9650rf GUINEA Rdf Guineenne Conarky in FR 2330, Afr hi-life sels, many ancmts, ID, fqys, req rpts, sig OK but watery-sounding, guitar IS, //7125 exc, phone #'s (Novello NC 3/12, Paszkiwicz WI 3/13)  
 9650nf7 IRAN VOIRI in EG 0030 on unannounced fqy, repl 49m fqy7, //9022, 9685 (Sundstrom NJ 4/2)  
 9660 AUSTRALIA RA in EG 0700, ID, cmntry on Japanese banking situation, f (Findlater CA 3/31)  
 9675 SOUTH AFRICA Chan Africa in EG 0500, ID, fqy, nx, cmntry, into PT 0530 (Bueneman MO 3/10)  
 9685 IRAN VOIRI in EG 0035, ID, regional nx, f, //9022 (McGuire MD 3/21)  
 9705nf7 UNITED KINGDOM BBC relay of Merlin Network One, 1st anniv pgm w/DJ's (Maroti NY 3/28)  
 9760 PHILIPPINES VOA relay in EG 1230, "Communications World", some coverage of the NASWA Winterfest & rpt of "Pancho" pirate radio in the hotel! (Newbury NE 3/21)  
 9770 ANGOLA VORGAN in PT \*0451, s/on w/guitar/drums/cock crow IS, ID's, NA & choral anthem, many mentions of Galo Negro, Afro pop mx, g (Alexander PA 3/14)  
 9770 UNITED ARAB EMIRATES R Dubai in AR 2059, cmntry, mx, //6180, 7170 (Humenyk ONT)  
 9795nf NEW ZEALAND RNZI in EG 1005, sports, Fiji vs W Samoa ball game (Costello NJ 3/29)  
 9810 RUSSIA R Netherlands relay Irkutsk in EG 0937, nx, wx rpt, ID, f (Wolf OH 3/7)  
 9810 THAILAND RT in EG 1235, nx, "A day in Thai history", mx group (Ziolkowski NY, Pasquale PA)

- 9810usb KIRIBATI R Kiribati in lang? 0512, nx7, island vcls, male chorus, brief ancmts, xmtr off for 15-20 seconds 0559, into R Australian nx in EG, back to lcl pgms 0605 (Clark ONT 3/23, Hill MA 3/28)
- 9945 CHINA China R Int Xi'an in EG 1215, nx re Aids in China, "Press Clippings" (Krause OH 2/23)
- 9960 NORWAY RNI in EG 1906, tlk re low murder rate in Norway, //9590 (Yajko PA, Humenyk ONT)
- 99881 EGYPT R Cairo in IT 1820, nx, TC, ID, polit cmntry, AR instl mx, mail box (Serra ITALY 3/16)
- 11655 MADAGASCAR R Nederlands relay in DT 0330-0425\*, ID, nx, cmnty, //9855 (Findlater CA 3/31)
- 11675 KUWAIT R Kuwait in AR 0330, chanting, AR mx, ID, f-g (Findlater CA 3/31)
- 11680nf UNITED KINGDOM Rock R Net relay by BBC in EG 2200, Merlin Communications special anniv prgm, "Network One", rock & roll mx, tlk, QRM Pyongyang (Costello NJ 3/28, Flynn OR 3/28)
- 11690 JORDAN R Jordan in EG 1515, discussion abt ancient civilization in Jordan, f-p (Pasquale PA 3/7)
- 117103 ARGENTINA RAE in SP 0139, tlk, ID, f (Ziolkowski NY) in EG 0205, QTH, nx, mx (Krause OH)
- 11715 ALGERIA R Algiers Int in EG 2009, rock vcl, ID, terrible audio, //15160 better (Hill MA 3/25)
- 11735 FINLAND R Finland in EG 1334, lcl wx rpt, sports nx, events in Finland, //15400 (Krause OH)
- 11735 INDIA AIR Bangalore in Pashto 0255, vcls, tlk, drums, snake charmer mx (Paszkievicz WI 3/9)
- 11785 IRAQ R Iraq Int in EG 2158-2251\*, AR mx, into EG pgming 2202, nx, cmnty, anti-American tlk, ID, sked, QTH, s/off w/NA, good level but QRM R Guabla and poor audio (Alexander PA 3/21)
- 11785 INDONESIA VOI Jakarta in SP/EG 0031-0105, mx, ancmts, and nx in SP, fanfare, ID's in SP, "Love Ambon" theme, gamelan mx bridge, into EG 0102, D Welle QRM after 0100 (Hill MA 3/24)
- 11835 ASCENSION ISLAND BBC relay in EG 2059, IS, ID, nx, "Global Business", f-p (Moats OH 3/29)
- 11895nf CANADA RCI in EG 2359, IS, multi-lang ID's, fgy, "The World at 6", f-g, //9535 (Moats OH 4/1)
- 11925 BRAZIL R Bandeirantes in PT 2043, fone calls, TP, ID, mx, ads, soccer scores (Serra ITALY 3/12)
- 119547v ANGOLA R Nacional in PT 0025, reactivated, pop vcls, severe BBC QRM, //4950 (Hill MA 3/22)
- 11965 SRI LANKA D Welle relay in EG 0158, IS, ID, "Newslink", press review, //12045 (Moats OH 4/2)
- 11975 SAO TOME VOA relay in EG 2003, nx by YL re Iraq & rpt from Camerons, f (Humenyk ONT)
- 12010 RUSSIA R Maryia via Samara in PL \*1500, church service, tlks by OM & YL, g (Flynn OR 4/4)
- 120196 VIETNAM V of Vietnam in EG/FR 1254, mx, ID in EG 1258\*, silence 30 secs, back on in FR with ID in FR and NA 1300, nx, weak signal but understandable (Ziolkowski NY 3/15, Yajko PA 3/15)
- 12030 GABON R Japan relay in GM/SP/FR 0545, ID's, short xmns in each lang, f (Findlater CA 3/31)
- 12085 SYRIA R Damascus in AR/EG 2100, AR mx, regional nx, song, NA, f (McGuire MD 3/19)
- 12085 SYRIA Syrian BC Service in AR 1525, AR vcls, clear sig til 1528, splatter after (Flynn OR 3/23)
- 12085 MONGOLIA V of Mongolia Ulan Bator in EG 1200-1229\*, SEA mx pgm, closing ancmts with ID, sked for EG pgming, QTH, exc levels on quiet AM (Rippel VA 3/15, Alexander PA 3/22)
- 13610 SYRIA R Damascus in EG 2000, patriotic songs, ID, nx, cmnty, //12085 (Vaghjee MAUR 3/17)
- 13680 BELGIUM R Vlaanderen in EG 1300, DX pgm, ID's, fgy, nx, wx rpt (Yajko PA 3/15, Krause OH)
- 13695nf THAILAND RT Udorn Thani in EG 0040, nx, sports info, wx rpt (Paszkievicz WI, Krause OH)
- 15115 NEW ZEALAND RNZI in EG 2009, nx, ID, fgy, sports info, tlk on cricket (Serra ITALY 3/5)
- 15120nf NIGERIA V of Nigeria in EG/FR/AR 1000-1103+, TC, Afropop songs, ID during tlk, interviews re Nigerian matters, tam tam IS, nx (Serra ITALY 3/11) in EG 0520, pop song, feature on growth of lcl film industry, f, //7255 (Clark ONT 3/23) in EG 1540, nx rpt (Vaghjee MAUR 3/14) in EG 1900 to 2100, ID, local nx, Clinton visit, Nigerian economic problems, f-g (Findlater CA 3/26)
- 15125 TAIWAN BC Corp China in CH 1054, US pop songs, ID, ancmts, QRM splat (Serra ITALY 3/14)
- 15130 NO KOREA R Pyongyang in EG/FR 2324, somber mx, ID, sked, into FR 0000 (Ziolkowski NY)
- 15150 INDONESIA V of Indonesia in EG 2030, RRI sked is 1730-2100 w/last hr in EG (Novello NC 4/8)
- 15160 PHILIPPINES VOA relay in Spec EG 1331, rpt on M East peace process, features (Moats OH 3/29)
- 15160 ALGERIA RTV Algerienne in EG 1605, EG songs, mx, weak sig (Vaghjee MAUR 3/14)
- 15170rf FRENCH POLYNESIA RFO Papeete Tahiti in FR/Tahitian 0045+, mx pgm after WYFR s/off 0045 island nx and songs, fair but choppy sig, phone-in talk (Clark ONT 3/24, Sgrulletta NY 3/23)
- 15170nf PAKISTAN RP in Urdu 0605, ID, fgy, TC, ancmt, recital of Koran, g (Vaghjee MAURITUS 3/17)
- 15255 EGYPT R Cairo in EG 1745, AR lesson, nx, muffled audio & deep fades (Sgrulletta NY 3/22)
- 15295 MALAYSIA V of Malaysia in lang 1718, tlk, lcl pop songs, TC, ID, nx, NA (Serra ITALY 3/4)
- 15295 ECUADOR HCJB in EG 0107, "Mission Network News", DX pgm (Moats OH, Krause OH 3/29)
- 15360 SINGAPORE BBC relay in EG 0127, EG service with tlk, //15280 via Thailand (Ziolkowski NY)
- 15400 FINLAND R Finland in EG 1334, sports data, wx rpt, nx re Finland, g, //11735 (Yajko PA 3/15)
- 154148 BRAZIL R Clube in PT 0150-0300+, BR pops, ancmts, EG pops, ads, jingles, gospel-type mx, mention Sao Paulo & Brazil, weak signal, QRM Australia (Alexander PA 3/22, Ziolkowski NY 3/7)
- 15545 BELGIUM R Vlaanderen in EG 1229, IS, ID, mx, DX pgm w/skeds, QTH (Moats OH 3/29)
- 17555 USA KWHR Naalehu Hawaii in EG 2029, big band mx, SW book offer, QTH (Humenyk ONT)
- 17640 UNITED KINGDOM BBC London in EG 1254, "Sports Roundup", ID, "Newshour" (Moats OH)
- 17670 EGYPT R Cairo HS in AR 1805, local mx, exc, //9850, 12050 both weaker (Sgrulletta NY 3/22)
- 17675nf NEW ZEALAND RNZI in EG 0135-0440, ezl instrms, tlks, ID (Krause OH 3/29, Humenyk ONT)
- 17735 PHILIPPINES VOA relay in EG 2254, tlk on Harlem, jazz mx, ID on hr, into nx (Buenerman MO) ED: Latest VOA sked dated 3/29 confirms Philippines site rather than Thailand.
- 17820 PHILIPPINES VOA relay in EG 0028, current events, nx, ID (Paszkievicz WI, Ziolkowski NY)
- 21465rf COSTA RICA RFI in EG 2359\*, cmnty re banks & credit unions, QTH, features (Moats OH 3/22)
- 21480 MADAGASCAR R Nederlands relay in IN 1127, IS, ID's, fgy, QTH, pips, nx, f, //17580 another Madagascar relay - poor signal, //15590 Uzbekistan relay - fair signal (Serra ITALY 3/11)

ED: I regret that it was not possible to include the few Clandestine station loggings and several unidentified/tentative loggings this month due to time pressures related to mail delivery to this QTH. It was a scramble to get this much put together on time. Best regards to all.

# English Schedules

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Prepared 19 April 1998

0000-0015		V. of Cambodia	11940.3as						
0000-0015		Radio Japan	6155.0eu	6180.0eu	9665.0af	11705.0na	11815.0as	13650.0as	
0000-0027		Radio Prague Int'l	5930.0na	7345.0na					
0000-0030		Radio Calro	9900.0am						
0000-0030		Radio Almaty, Khazakhstan	5915.0as	7255.0as					
0000-0030		Radio Netherlands	6020.0na	6165.0na	9845.0na				
0000-0030		Radio Thailand	9655.0af	9690.0af	11905.0af				
0000-0030		BBC Asian Service	3915.0as	5965.0as	6195.0as	7110.0as	9410.0as	11945.0as	
			11955.0as	15280.0as	15310.0as	15360.0as	17790.0as		
			7215.0as	9770.0as	11760.0as	15185.0as	15290.0as	17735.0as	
			17820.0as						
0000-0030		VQA	5995.0am	6130.0ca	7405.0am	9455.0ca	9775.0am	11695.0ca	
0000-0030	twfha	VQA	13740.0am						
0000-0030		Radio Tashkent	5040.0as	5955.0as	5975.0as	7105.0as	7205.0as	9540.0as	
0000-0030	mtwhfa	Radio Yugoslavia	6195.0eu	7115.0na					
0000-0045		All India Radio, Delhi	7410.0as	9705.0as	9950.0as	11620.0as			
0000-0050		Radio Pyongyang	11845.0am	13650.0am	15230.0am				
0000-0100		Radio Australia	9660.0pa	12080.0as	13605.0pa	13755.0pa	15240.0pa	15510.0pa	
			17750.0as	17795.0pa					
0000-0100		AWR Costa Rica	5030.0am	9725.0am	13750.0am				
0000-0100		R. for Peace Int'l	6980.0uf	7384.6va	15050.0uf	21465.0va			
0000-0100		Voice of Guyana	3290.0do	5949.4do					
0000-0100		Voice of Hope, Lebanon	11530.0me						
0000-0100		KHBI Saipan, Marianas	15665.0as						
0000-0100		FBC Manila	15450.0as						
0000-0100		SBC Radio 1, Singapore	6155.0do						
0000-0100		Radio Exterior de Espana	6055.0na						
0000-0100		Radio Ukraine Int'l	5905.0eu	5915.0eu	6020.0eu	6080.0eu	7180.0eu	7240.0eu	
			9550.0na	9945.0sa	12040.0na	12050.0eu			
0000-0100		BBC World Service	5970.0sa	5975.0am	6175.0na	9590.0am	9915.0sa	12095.0sa	
0000-0100	h	Merlin Network One	9645.0eu	11985.0na	13690.0na				
0000-0100		KTBN Salt Lake City UT	15590.0na						
0000-0100		WWCR Nashville TN	3215.0na	5070.0na	7435.0na	13845.0na			
0000-0100		WYFR Okeechobee FL	6085.0na	9505.0na					
0000-0200		WSHB Cypress Creek SC	7535.0na	9430.0sa					
0000-0300		WRNO New Orleans LA	7355.0na						
0000-0300	mtwhf	ZLXA New Zealand	3935.0do						
0000-0400		KWHR Haalehu HI	17510.0as	17555.0pa					
0000-0400		NBC Windhoek, Namibia	3270.1af	3289.9af					
0000-0500		Radio New Zealand Int'l	17675.0va						
0000-0500	s	a SIBC Solomen Islands	5020.0do						
0000-0500		a SIBC Solomen Islands	9545.0do						
0000-0600		CBC Northern Service	9625.0do						
0000-0600		WGTC McCaysville GA	5085.0na						
0000-0600		WINB Red Lion PA	11950.0va						
0000-0600		a ZLXA New Zealand	5960.0do						
0000-0700		HCJB Quite Ecuador	9745.0na	15295.0na	21455.0uf				
0000-0700		Nat'l BC, Papua NG	3925.0do	4890.0do	9520.0do	9675.0do	11880.0do		
0000-0830		ABC Alice Springs	4835.0do						
0000-0830		ABC Katherine	5025.0do						
0000-0830		ABC Tennant Creek	4910.0do						
0000-1000		WEWN Birmingham AL	5825.0va						
0000-1000		WHRI Noblesville IN	5745.0va	7315.0am					
0000-1100		Caribbean Beacon	6090.0am						
0000-1100		Radio Vanuatu	3945.0do	4960.0do	7260.0do				
0000-1400		KAIJ Dallas TX	5810.0na						
0000-1600		RTM Radio 4, Malaysia	7295.0do						
0001-0005		Croatian Radio, Zagreb	9925.0sa						
0010-0015		Kirghiz Radio, Bishkek	4010.0va	4050.0va					
0015-0100		Radio Japan	6155.0eu	6180.0eu	9665.0af	11705.0na			
0030-0045		BBC English Teaching	6080.0as	7110.0as	9600.0as	15280.0as	17790.0as		
0030-0100		ORF Vienna	9655.0am						
0030-0100		VOIRI Teheran	9022.0na	9650.0na	9685.0na				
0030-0100		Radio Vilnius, Lithuania	5950.0na	9855.0na					
0030-0100		Sri Lanka B'casting Corp.	9730.0as	15425.0as					
0030-0100		Radio Thailand	9655.0as	11905.0as	15395.0na				
0030-0100		BBC Asian Service	5965.0as	6195.0as	9410.0as	11955.0as	15310.0as	15360.0as	
0030-0100		VQA	7215.0as	9770.0as	11760.0as	15185.0as	15290.0as	17735.0as	
			17820.0as						
0030-0100	twfha	VQA	5995.0am	6130.0ca	7405.0am	9455.0ca	9775.0am	11695.0ca	
			13740.0am						
0030-0125		Radio Netherlands	6020.0na	6165.0na	9845.0na	9855.0as	11655.0as	12090.0as	
0045-0100		Radio Tirana, Albania	6114.9na	7160.0na					
0045-0100		BBC English Teaching	15280.0as	17790.0as					

0050-0100		RAI, Rome	6010.0na	9675.0na	11800.0na				
0100-0110		RAI, Rome	6010.0na	9675.0na	11800.0na				
0100-0125		VOIRI Teheran	9022.0na	9650.0na	9685.0na				
0100-0127		Radio Prague Int'l	6200.0na	7345.0na					
0100-0127		Voice of Vietnam	7250.0na						
0100-0129		Radio Canada Int'l	5960.0am	9535.0am	9755.0am	11715.0am	13670.0am		
0100-0130		Radio Budapest	6120.0na	9580.0na					
0100-0130		Nat'l Radio of Laos	7116.0as						
0100-0130		Radio Slavakia Int'l	5930.0na	7300.0af	9440.0sa				
0100-0130		Radio Sweden	11985.0as						
0100-0130		Swiss Radio Int'l	9885.0am	9905.0am					
0100-0150		Deutsche Welle	6040.0na	6085.0na	6145.0na	9640.0am	11810.0am		
0100-0200		Radio Australia	9660.0pa	12080.0as	13605.0pa	15240.0pa	15415.0as	15510.0pa	
0100-0200		Voice of Guyana	3290.0do	5949.4do					
0100-0200		Voice of Indonesia	9525.0va	11785.0na					
0100-0200		Radio Japan	6150.0af	11860.0as	11870.0af	15570.0as	15590.0as	17810.0as	
0100-0200		Voice of Hope, Lebanon	11530.0me						
0100-0200		FEBE Manila	15450.0as						
0100-0200		Voice of Russia	9665.0na	12050.0na	15520.0na				
0100-0200		SBC Radio 1, Singapore	6155.0do						
0100-0200		Radio Exterior de Espana	6055.0na						
0100-0200		Sri Lanka B'casting Corp.	9730.0as	15425.0as					
0100-0200		BBC Asian Service	5965.0as	6195.0as	9410.0as	9605.0as	11955.0as	15280.0as	
0100-0200		BBC World Service	15310.0as	15360.0as					
0100-0200		KJES Vado NM	5970.0sa	5975.0am	6175.0na	9590.0am	9915.0sa	12095.0sa	
0100-0200		VOA	7555.0na						
0100-0200		VOA	7115.0as	7200.0as	9635.0as	11705.0as	11725.0as	11820.0as	
0100-0200	twhta	VOA	15250.0as	17740.0as	17820.0as				
0100-0200		WYFR Okeechobee FL	5995.0am	6130.0am	7405.0am	9455.0am	9775.0am	13740.0am	
0100-0400		WWCR Nashville TN	6065.0na	9505.0na	11550.0as				
0100-0500		Radio Havana Cuba	3215.0na	5070.0na	5935.0na	7435.0na			
0100-1200		R. for Peace Int'l	6000.0na	9820.0na	9830.0uf				
0100-1500		KTBN Salt Lake City UT	6980.0uf	7384.8va	15050.0uf				
0101-0105		Croatian Radio, Zagreb	7510.0na						
0125-0225		Radio Netherlands	9925.0na						
0129-0159		Radio Canada Int'l	9855.0as	11655.0as	12090.0as				
0129-0159	sm	Radio Canada Int'l	5960.0am	9755.0am					
0130-0150		Voice of Greece	9535.0am	11715.0am	13670.0am				
0130-0200		Radio Tirana, Albania	7450.0na	9420.0na	9935.0na	11645.0na			
0130-0200	twhta	ORF Vienna	6219.7na	7160.0na					
0140-0200		Vatican Radio	9655.0na	9870.0sa	13730.0sa				
0200-0210		Radio Bangladesh	4880.0as						
0200-0229		Radio Canada Int'l	7335.0au	9650.0au					
0200-0230		Radio Finland	4880.0as						
0200-0230	mtwhf	Kenya BC Corp	9535.0am	9755.0am	11715.0am	13670.0am			
0200-0230		Radio Myanmar	9780.0na	11900.0na					
0200-0230		Radio Norway	4935.0do						
0200-0230	m	BBC Asian Service	7185.0do						
0200-0230		BBC World Service	11645.0as	11990.0na					
0200-0230		KJES Vado NM	9605.0as	11955.0as	15280.0as	15310.0as	15360.0as		
0200-0250		Deutsche Welle	5970.0sa	5975.0am	6175.0na	6195.0eu	9410.0eu	9590.0am	
0200-0256		Radio Romania Int'l	9915.0sa						
0200-0300	twhta	RAE Buenos Aires	7555.0na						
0200-0300		Radio Australia	7285.0as	9615.0as	9690.0as	11945.0as	11965.0as	12045.0as	
0200-0300		Radio Bulgaria	6155.0na	9570.0na	9690.0as	11740.0as	11940.0as	15380.0as	
0200-0300		Radio Cair	11710.1am						
0200-0300		Voice of Guyana	9660.0pa	12080.0as	13605.0pa	15240.0pa	15415.0as	15510.0pa	
0200-0300	s	Italian Radio Relay Svc	17750.0as	17795.0pa					
0200-0300		Voice of Hope, Lebanon	9485.0na	11720.0na					
0200-0300		Voice of Russia	9475.7am						
0200-0300		SBC Radio 1, Singapore	3290.0do	5949.4do					
0200-0300		Radio Korea	7120.0uf						
0200-0300		Sri Lanka B'casting Corp.	11530.0me						
0200-0300		Radio Taipei Int'l	9665.0na	12050.0na	15520.0na				
0200-0300		BBC African Service	6155.0do						
0200-0300		VOA	11715.0sa	11810.0sa	15575.0na				
0200-0300		WSHB Cypress Creek SC	9730.0as	15425.0as					
0200-0400		WYFR Okeechobee FL	5950.0na	7130.0as	9680.0na	11740.0am	11745.0va	11825.0pa	
0200-0500		KVOH Los Angeles CA	15345.0as						
0201-0205		Croatian Radio, Zagreb	6135.0af						
0215-0220		Radio Nepal, Katmandu	7115.0as	7200.0as	9635.0as	11705.0as	11725.0as	11820.0as	
0225-0325		Radio Netherlands	15250.0as	17740.0as	17820.0as				
0229-0259	sm	Radio Canada Int'l	5850.0na	7535.0na					
0230-0245		Radio Pakistan	9975.0am	9505.0na					
0230-0245		BBC English Teaching	9975.0am	9755.0am	11715.0am	13670.0am			
0230-0257		Voice of Vietnam	6070.0va	7485.0as	11760.0as	13610.0as	15485.0as		
0230-0300		ORF Vienna	9825.0af	11760.0as	15405.0as				
0230-0300		Radio Budapest	7250.0na						
0230-0300		Kenya BC Corp	9655.0na	9870.0ca	13730.0sa				
0230-0300		Radio Pilipinas, Manila	9840.0na	11910.0na					
0230-0300		Radio Sweden	4935.0do						
0230-0300		BBC Asian Service	11885.0pa	15120.0pa	15270.0pa				
0230-0300			7135.0al	9495.0na					
0230-0300			9605.0as	11955.0as	15280.0as	15310.0as	15360.0as		

0230-0300		<b>BBC World Service</b>	5970.0sa	5975.0am	6175.0na	6195.0eu	9410.0eu	9895.0am
			9915.0sa					
0245-0300		<b>BBC English Teaching</b>	5995.0am	6050.0af	6110.0am	7325.0eu	9515.0am	9610.0af
			11860.0af					
0250-0300		<b>Vatican Radio</b>	7305.0ca		9605.0am			
0250-2210		<b>ZNBC Radio 2, Zambia</b>	6165.0do					
0300-0310		<b>Radio Pakistan</b>	7270.0va					
0300-0310		<b>Vatican Radio</b>	7305.0ca		9605.0am			
0300-0325		<b>Radio Moldova Int'l</b>	7520.0na					
0300-0327		<b>Radio Prague Int'l</b>	7345.0na		9435.0na			
0300-0330	s	<b>a Voice of Armenia, Yerevan</b>	4810.0eu					
0300-0330		<b>Radio Cairo</b>	9475.7am					
0300-0330		<b>Malawi B'casting Corp.</b>	3380.0do					
0300-0330		<b>Radio Pilipinas, Manila</b>	11885.0pa	15120.0pa	15270.0pa			
0300-0330		<b>Channel Africa, S. Africa</b>	6000.0af					
0300-0330		<b>Radio Thailand</b>	9655.0am	11905.0am	15395.0na			
0300-0330		<b>BBC African Service</b>	3255.0af	6005.0af	6190.0af	9600.0af	11730.0af	
0300-0330		<b>BBC Asian Service</b>	9605.0as	15310.0as	15360.0as	17790.0as	21660.0as	
0300-0330		<b>BBC English Teaching</b>	11850.0as	11955.0as	15280.0as	17760.0as		
0300-0330		<b>BBC World Service</b>	5970.0sa	5975.0am	6175.0na	6180.0eu	9195.0eu	9410.0eu
			9895.0am	9915.0sa	11760.0me	12095.0af		
0300-0330		<b>VOA</b>	6080.0af	6115.0af	7105.0af	7280.0af	7290.0af	7340.0af
			9575.0af	9885.0af				
0300-0330	sm	<b>VOA</b>	4960.0af					
0300-0350		<b>Deutsche Welle</b>	6085.0na	6145.0na	6185.0na	9535.0am	9640.0na	
0300-0400		<b>Australian Armed Forces</b>	15635.0uf					
0300-0400		<b>Radio Australia</b>	9660.0pa	12080.0as	13605.0pa	15240.0pa	15415.0as	15510.0pa
			17750.0as	17795.0pa				
0300-0400		<b>China Radio Int'l</b>	9690.0na					
0300-0400		<b>TIFC Costa Rica</b>	5054.5ca	6175.0ca	9645.0ca			
0300-0400		<b>Radio Cultural, Guatemala</b>	3300.0do		5955.0do			
0300-0400		<b>Voice of Guyana</b>	3290.0do		5949.4do			
0300-0400	sm	<b>HRPC Honduras</b>	3249.5ca					
0300-0400	m	<b>La Voz Evangelica, Hond.</b>	4819.2do					
0300-0400	s	<b>a Italian Radio Relay Svc</b>	7120.0uf					
0300-0400		<b>Radio Japan</b>	17685.0pa	17825.0ca	17855.0as			
0300-0400		<b>Kenya BC Corp</b>	4935.0do					
0300-0400		<b>Voice of Hope, Lebanon</b>	11530.0me					
0300-0400	mtwhf	<b>ZLX New Zealand</b>	1402.0do	3935.0do				
0300-0400		<b>Voice of Russia</b>	7125.0na	9665.0na	9615.0na	11980.0na	12000.0na	12050.0na
			13640.0na	13665.0na	15180.0na	15455.0na		
0300-0400		<b>SBC Radio 1, Singapore</b>	6155.0do					
0300-0400		<b>Sri Lanka B'casting Corp.</b>	9730.0as	15425.0as				
0300-0400		<b>Radio Taipei Int'l</b>	5950.0na	9680.0na	11745.0as	11825.0as	15345.0as	
0300-0400		<b>Voice of Turkey</b>	7270.0as	9655.0va	17705.0as			
0300-0400		<b>Radio Uganda</b>	4976.0do					
0300-0400		<b>Radio Ukraine Int'l</b>	5905.0eu	6020.0eu	6080.0eu	7410.0eu	9550.0na	12040.0na
			13590.0eu					
0300-0400		<b>WSHB Cypress Creek SC</b>	5850.0na					
0300-0500		<b>WHRA Greenbush ME</b>	9400.0me					
0300-0530		<b>Radio 3, Zimbabwe</b>	3396.0do					
0300-0800	mtwhfa	<b>WMLK Bethel PA</b>	9465.0na					
0300-0900		<b>WRNO New Orleans LA</b>	7395.0na					
0301-0305		<b>Croatian Radio, Zagreb</b>	9925.0na					
0310-0340		<b>Vatican Radio</b>	7360.0af	9660.0af				
0330-0357		<b>Radio Prague Int'l</b>	9480.0as	11600.0as				
0330-0400		<b>Radio Pilipinas, Manila</b>	13770.0pa	15330.0pa	17730.0pa			
0330-0400		<b>Radio Sweden</b>	9475.0na	11665.0na				
0330-0400		<b>Radio Tanzania</b>	5050.0af					
0330-0400		<b>Radio Dubai, UAE</b>	11945.0na	12005.0na	13675.0na	15400.0na	21485.0na	
0330-0400		<b>BBC African Service</b>	3255.0af	6005.0af	6190.0af	9600.0af	9610.0af	11730.0af
0330-0400		<b>BBC Asian Service</b>	9605.0as	11955.0as	15280.0as	15310.0as	17790.0as	21660.0as
0330-0400	mtwhfa	<b>BBC European Service</b>	6180.0eu	6195.0eu	9410.0eu			
0330-0400		<b>BBC World Service</b>	5875.0eu	5975.0am	6175.0na	9895.0am	11760.0me	12095.0af
0330-0400	s	<b>BBC World Service</b>	6180.0eu	6195.0eu	9410.0eu			
0330-0400		<b>VOA</b>	6080.0af	6115.0af	7105.0af	7280.0af	7290.0af	9575.0af
			9885.0af					
0340-0350		<b>Voice of Greece</b>	7450.0na	9420.0na	9935.0na	11645.0na		
0345-0400		<b>Radio Burundi</b>	6140.0do					
0345-0400		<b>Radio Tajikistan</b>	4975.0as	9905.0as	11620.0as			
0400-0405		<b>WWCR Nashville TN</b>	2390.0na	5070.0na	5935.0as			
0400-0405	mtwhf	<b>WWCR Nashville TN</b>	3215.0na					
0400-0405	s	<b>a WWCR Nashville TN</b>	3210.0na					
0400-0415	mtwhf	<b>Cameroon Radio-TV</b>	4850.0va					
0400-0415		<b>Kol Israel</b>	9435.0va	11605.0va	17535.0au			
0400-0415		<b>VOA</b>	6080.0af	7170.0va	7265.0af	7280.0af	7290.0af	9575.0af
			9885.0af	11965.0me	15205.0as			
0400-0425		<b>Radio Moldova Int'l</b>	7520.0na					
0400-0425		<b>Voice of Vietnam</b>	5940.0na	7270.0na	7400.0na	9839.9na	12019.3na	15009.2na
0400-0429		<b>Radio Canada Int'l</b>	9715.0me	11835.0me	11975.0me			
0400-0430		<b>Radio Minsk, Belarus</b>	7210.0eu	11960.0eu				
0400-0430		<b>Radio Cultural, Guatemala</b>	3300.0do	5955.0do				
0400-0430		<b>Radio Iraq Int'l</b>	11785.0ir					
0400-0430	mtwhfa	<b>Radio Mexico Int'l</b>	5985.0na	9705.0na				
0400-0430	m	<b>Radio Norway</b>	11990.0na					
0400-0430		<b>Channel Africa, S. Africa</b>	6000.0af					
0400-0430		<b>Sri Lanka B'casting Corp.</b>	9730.0as	15425.0as				
0400-0430		<b>Swiss Radio Int'l</b>	5840.0eu	6165.0eu	9885.0am	9905.0am		
0400-0430		<b>Radio Tanzania</b>	5050.0af					

0400-0430		<b>BBC Asian Service</b>	9605.0as	11955.0as	15280.0as	15310.0as	17790.0as	21660.0as
0400-0430		<b>BBC World Service</b>	3955.0eu	5975.0am	6175.0na	6180.0eu	6195.0eu	9410.0eu
			9895.0am	11760.0me	12095.0eu	15575.0as	17640.0af	
0400-0450		<b>Deutsche Welle</b>	5990.0af	6015.0af	7225.0af	9565.0af	11765.0af	
0400-0456		<b>Radio Romania Int'l</b>	9570.0na	11940.0na	15335.0as	17720.0as		
0400-0500		<b>Australian Armed Forces</b>	15635.0uf					
0400-0500		<b>Radio Australia</b>	9660.0pa	12080.0as	13605.0pa	15240.0pa	15415.0as	15510.0pa
			17750.0as	17795.0pa				
0400-0500		<b>China Radio Int'l</b>	9560.0na	9730.0na				
0400-0500		<b>Voice of Guyana</b>	3290.0do	5949.4do				
0400-0500	s	<b>Italian Radio Relay Svc</b>	7120.0uf					
0400-0500		<b>Kenya BC Corp</b>	4935.0do					
0400-0500		<b>Voice of Hope, Lebanon</b>	11530.0me					
0400-0500		<b>Voice of Russia</b>	7125.0na	9665.0na	12000.0na	12050.0na	13645.0na	13665.0na
			15180.0na	15455.0na	15595.0na			
0400-0500		<b>SBC Radio 1, Singapore</b>	6155.0do					
0400-0500		<b>Radio Uganda</b>	4976.0do					
0400-0500		<b>BBC African Service</b>	3255.0af	6005.0af	6190.0af	7160.0af	9600.0af	15420.0af
0400-0500		<b>WSHB Cypress Creek SC</b>	7535.0eu	9840.0af				
0400-0500		<b>WYFR Okeechobee FL</b>	6065.0na	9505.0na	9985.0eu			
0400-0600	mtwhf	<b>ZLXA New Zealand</b>	3935.0do					
0400-0800		<b>KWHR Naalehu HI</b>	17555.0pa	17780.0as				
0400-1600		<b>Christian Voice, Zambia</b>	6065.0do					
0405-1000		<b>WWCR Nashville TN</b>	2390.0na	3210.0na	5070.0na	5935.0na		
0415-0430		<b>VOA</b>	6080.0af	7170.0va	7265.0af	7280.0af	7290.0af	9575.0af
			9885.0af	11965.0me	15205.0va			
0425-0440		<b>RAI, Rome</b>	5975.0af	7270.0af				
0430-0445		<b>BBC English Teaching</b>	6050.0af	7210.0eu	9915.0eu			
0430-0500		<b>ORF Vienna</b>	6155.0eu	13730.0eu				
0430-0500	w f	<b>Radio Minsk, Belarus</b>	7210.0eu	11960.0eu				
0430-0525		<b>Radio Netherlands</b>	6165.0na	9590.0na				
0430-0500		<b>TWR Swaziland</b>	3200.0af	4775.0af				
0430-0500		<b>Swiss Radio Int'l</b>	9885.0am	9905.0am				
0430-0500		<b>BBC Asian Service</b>	11955.0as	15280.0as	15310.0as	17790.0as	21660.0as	
0430-0500	mtwhf	<b>BBC European Service</b>	3955.0eu	6180.0eu	6195.0eu	9410.0eu	12095.0eu	
0430-0500		<b>BBC World Service</b>	5975.0am	6175.0am	7235.0eu	11760.0me	15575.0as	17640.0af
0430-0500	s	<b>BBC World Service</b>	3955.0eu	6180.0eu	6195.0eu	9410.0eu	12095.0eu	
0430-0500		<b>VOA</b>	6080.0af	7170.0va	7265.0af	7280.0af	7290.0af	9575.0af
			11965.0me	15205.0va				
0430-0500		<b>Radio Yugoslavia</b>	6100.0eu	7130.0na				
0430-1000		<b>Radio Nigeria</b>	3326.0do	3970.0do	4770.0do	4990.0do	6025.0do	6050.0do
			9570.0do					
0445-0915		<b>Ghana Broadcasting Corp.</b>	3366.0do	4915.0do				
0455-0825		<b>Voice of Malaysia</b>	6175.0as	9750.0as	15295.0as			
0500-0504		<b>Radio Pakistan</b>	7270.0va					
0500-0505		<b>TWR Swaziland</b>	3200.0af	4775.0af				
0500-0515	s	<b>Cameroon Radio-TV</b>	4850.0va					
0500-0515	mtwhf	<b>Radio Nadeco, Nigeria</b>	5070.0af					
0500-0520		<b>Vatican Radio</b>	5883.0eu	7250.0eu	9660.0af	11625.0af	15570.0af	
0500-0530	w	<b>Malawi B'casting Corp.</b>	3380.0do					
0500-0530	s	<b>V. of the Mediterranean</b>	17570.0au					
0500-0530	mtwhf	<b>Radio Mexico Int'l</b>	5985.0na	9705.0na				
0500-0530		<b>AWR Africa, Meyerton</b>	6000.0af	6100.0af				
0500-0530		<b>Channel Africa, S. Africa</b>	9525.0af					
0500-0530		<b>BBC Asian Service</b>	9740.0as	11955.0pa	15280.0as	15310.0as	15360.0as	17760.0as
			17790.0as	21660.0as				
0500-0530		<b>BBC World Service</b>	3955.0eu	5975.0am	6175.0am	6180.0eu	6195.0eu	9410.0eu
			11760.0me	12095.0eu	15575.0as	17640.0af		
0500-0550		<b>Deutsche Welle</b>	6045.0na	6185.0na	9615.0am	11810.0na		
0500-0550	mtwhf	<b>Radio Pyongyang</b>	3560.0eu	11710.0eu	13790.0eu			
0500-0559		<b>Radio Canada Int'l</b>	7295.0eu	9595.0eu	11835.0af	15430.0af		
0500-0600		<b>Australian Armed Forces</b>	15635.0uf					
0500-0600		<b>Radio Australia</b>	9660.0pa	12080.0as	13605.0pa	15240.0pa	15510.0pa	17795.0pa
0500-0600	a	<b>Radio Australia</b>	17750.0as					
0500-0600		<b>China Radio Int'l</b>	9560.0na					
0500-0600		<b>Voice of Guyana</b>	3290.0do	5949.4do				
0500-0600		<b>Italian Radio Relay Svc</b>	3985.0uf					
0500-0600		<b>Radio Japan</b>	6110.0na	7230.0eu	9835.0na	11715.0as	11760.0as	11840.0as
			11850.0pa	15230.0pa	17810.0as			
0500-0600		<b>Kenya BC Corp</b>	4935.0do					
0500-0600		<b>Voice of Hope, Lebanon</b>	11530.0me					
0500-0600		<b>Voice of Russia</b>	9450.0au	17495.0au	17665.0au	21760.0au	21790.0au	
0500-0600		<b>SBC Radio 1, Singapore</b>	6155.0do					
0500-0600		<b>Radio Exterior de Espana</b>	6055.0na					
0500-0600		<b>Radio Uganda</b>	4976.0do					
0500-0600		<b>BBC African Service</b>	3255.0af	6005.0af	6190.0af	7160.0af	9600.0af	15420.0af
			17885.0af					
0500-0600		<b>VOA</b>	5970.0af	6035.0af	6080.0af	7170.0va	7195.0af	9630.0af
			11965.0me	12080.0af	15205.0va			
0500-0600		<b>WSHB Cypress Creek SC</b>	7535.0eu	9835.0af				
0500-0600		<b>WYFR Okeechobee FL</b>	5985.0na	9985.0eu	11580.0eu			
0500-0700	mtwhf	<b>NBC Windhoek, Namibia</b>	3270.1af	3289.9af				
0500-0700		<b>Radio Havana Cuba</b>	6180.0na	9820.0na	9830.0uf			
0500-0700		<b>Voice of Nigeria</b>	7255.0af	15120.0af				
0500-0717		<b>Radio New Zealand Int'l</b>	11905.0va					
0500-0800		<b>SIBC Solomon Islands</b>	5020.0do	9545.0do				
0500-0800		<b>Star Radio, Liberia</b>	3400.0do					
0500-0800		<b>WHRA Greenbush ME</b>	11565.0af					
0500-1000		<b>Radio Liberia Int'l</b>	5100.0do					



0700-0800	s	a	Italian Radio Relay Svc	7120.ouf					
0700-0800			Voice of Hope, Lebanon	11530.0me					
0700-0800			TWR Monte Carlo	9755.0eu					
0700-0800			NBC Windhoek, Namibia	4930.0af	6060.0af				
0700-0800	mtwhf		Voice of Russia	9450.0au	17495.0au	17665.0au	21760.0au	21790.0au	
0700-0800			SBC Radio 1, Singapore	6155.0do					
0700-0800			Radio Taipei Int'l	5950.0na					
0700-0800			BBC Asian Service	17145.0pa	9740.0as	11955.0pa	15310.0as	15360.0as	17760.0as
				17790.0as	21660.0as				
0700-0800			WYFR Okeechobee FL	7355.0eu	9985.0eu	13695.0eu			
0700-0900			HCBJ Quito Ecuador	9640.0pa	11960.0eu	21455.0uf			
0700-1300			Nat'l BC, Papua NG	3925.0do	4890.0do	9520.0do	9675.0do		
0705-0710	s		Croatian Radio, Zagreb	6025.0eu	9830.0eu	13830.0au			
0715-0730			BBC African Service	6190.0af	9600.0af	11835.0af	11940.0af	17830.0af	
0715-0730	s	a	BBC African Service	17885.0af					
0715-0730			BBC English Teaching	6005.0af	15400.0af				
0717-0800	mtwhf		Radio New Zealand Int'l	9795.0va					
0717-0800	s	a	Radio New Zealand Int'l	11905.0va					
0730-0740			Voice of Greece	9375.0sa	9425.0va	9755.0as	9775.0au	11645.0va	15630.0va
0730-0755			R. Vlaanderen Int'l	7290.0eu	9940.0au				
0730-0800			ORF Vienna	6155.0eu	13730.0eu	15410.0me	17870.0me		
0730-0800			Georgian Radio, Tbilisi	11910.0eu					
0730-0800	s		V. of the Mediterranean	9660.0eu					
0730-0800			Swiss Radio Int'l	9885.0af	11860.0af	13635.0af			
0730-0800			BBC African Service	6190.0af	9600.0af	11940.0af	15400.0af	17830.0af	
0730-0800	s	a	BBC African Service	17885.0af					
0730-0800			BBC World Service	5975.0am	6175.0am	7325.0eu	9410.0eu	11760.0me	12095.0eu
				15485.0eu	15565.0eu	17640.0eu			
0730-0800	s	a	BBC World Service	15575.0as					
0730-0925			Radio Netherlands	9720.0pa	9820.0pa				
0735-0800	s	a	TWR Swaziland	4775.0af	6100.0af	9500.0af			
0740-0800			KTRW Guam	15200.0as					
0800-0804			Radio Pakistan	15530.0eu	17835.1eu	17555.2eu			
0800-0805			Radio Botswana	4820.0do	7255.0do	9600.0do			
0800-0805	s	a	TWR Swaziland	4775.0af	6100.0af	9500.0af			
0800-0810			BBC Asian Service	7145.0pa	9740.0as	11955.0pa	15310.0as	15360.0as	17760.0as
				17790.0as	21660.0as				
0800-0815			BBC World Service	7325.0eu	9410.0eu	12095.0eu	15485.0eu	15565.0eu	17640.0eu
0800-0815	s	a	BBC World Service	15575.0as					
0800-0820			TWR Tirana	9685.0eu					
0800-0820			TWR Monte Carlo	9755.0eu					
0800-0830			Radio Australia	5995.0pa	9580.0pa	9710.0pa	11880.0pa	12080.0as	15415.0as
				15510.0pa	17750.0as				
0800-0830	s		Universal Life, Germany	17780.0as					
0800-0830	w		Malawi B'casting Corp.	5995.0do					
0800-0830			KFBS Salpan, Marianas	11650.0as					
0800-0830	s	tw	Amateur Radio League, SAI	7205.0af					
0800-0855			KTRW Guam	15200.0as					
0800-0900			Radio Africa, Eq. Guinea	15185.0af					
0800-0900			Voice of Guyana	3290.0do	5949.4do				
0800-0900			Voice of Indonesia	9525.0va	11785.0va				
0800-0900	s	a	Italian Radio Relay Svc	7120.ouf					
0800-0900			Voice of Hope, Lebanon	11530.0me					
0800-0900	s		V. of the Mediterranean	9660.0eu					
0800-0900			KHBI Salpan, Marianas	15665.0eu					
0800-0900			KHBN Palau	9985.0as					
0800-0900			Voice of Russia	9450.0au	17495.0au	17665.0au	21760.0au	21790.0au	
0800-0900			SBC Radio 1, Singapore	6155.0do					
0800-0900			Radio Korea	9570.0au	13670.0eu				
0800-0900			BBC African Service	6190.0af	11940.0af	15400.0af	17830.0af		
0800-0900	s	a	BBC African Service	17885.0af					
0800-0900			KNLS Anchor Point AK	9615.0as					
0800-0900			WSHB Cypress Creek SC	7535.0eu	9835.0af	9845.0pa			
0800-1000			KWHR Naalehu HI	11565.0pa	17780.0as				
0800-1206			Radio New Zealand Int'l	9795.0va					
0800-1430			SIBC Solomon Islands	5020.0do					
0800-1500			NBC Windhoek, Namibia	4930.0af	6060.0af				
0805-0810	mtwhf	a	Croatian Radio, Zagreb	7185.0eu	9830.0eu	13830.0au			
0810-0900			BBC Asian Service	9740.0as	11955.0pa	15310.0as	15360.0as	17760.0as	17790.0as
				21660.0as					
0815-0830			BBC English Teaching	11680.0eu	13745.0eu	15325.0eu	15340.0eu	17695.0eu	
0815-0900	f		FEBA Seychelles	15540.0as					
0815-0900			BBC World Service	9410.0eu	12095.0eu	15485.0eu	15565.0eu	17640.0eu	
0815-0900	s	a	BBC World Service	15575.0as					
0820-0835	s	a	TWR Tirana	9685.0eu					
0820-0835	s	a	TWR Monte Carlo	9755.0eu					
0830-0900			Radio Australia	5995.0pa	6080.0as	9580.0pa	9710.0pa	12080.0as	15415.0as
				15510.0pa	17750.0as				
0830-0900			Georgian Radio, Tbilisi	11910.0eu					
0830-0900			KFBS Salpan, Marianas	11650.0as	15380.0as				
0830-0900	s		Amateur Radio League, SAI	7205.0af					
0830-0900			Swiss Radio Int'l	9885.0au	13685.0au				
0830-2130			ABC Alice Springs	2310.0do					
0830-2130			ABC Katherine	2485.0do					
0830-2130			ABC Tennant Creek	2325.0do					
0835-0850	s		TWR Tirana	9685.0eu					
0835-0850	s		TWR Monte Carlo	9755.0eu					
0855-0900			KTRW Guam	15200.0pa	15330.0pa				
0900-0915			Radio Voice of Lebanon	6549.6me					

0900-0915		<b>BBC Asian Service</b>	6065.0as	6195.0as	9580.0as	9740.0as	11765.0pa	11945.0as
			11955.0as	15310.0as	15360.0as	17760.0as	17790.0as	21660.0as
0900-0920	t	<b>Radio Almaty, Khazakhstan</b>	9505.0eu	9620.0eu	11840.0eu			
0900-0930	s	<b>Voice of Armenia, Yerevan</b>	4810.0eu	15270.0eu				
0900-0930		<b>Radio Prague Int'l</b>	17485.0af	21745.0as				
0900-0930		<b>KTWR Guam</b>	15200.0as	15330.0pa				
0900-0930	mtwhf	<b>Radio Telefis Eireann</b>	5070.0am					
0900-0930	w	<b>Malawi B'casting Corp.</b>	5995.0do					
0900-0930		<b>Voice of Mongolia</b>	15170.0as					
0900-0930	s	<b>Radio Norway</b>	15175.0au					
0900-0930	hf	<b>Amateur Radio League, SAF</b>	7205.0af					
0900-0950		<b>Deutsche Welle</b>	6160.0pa	9565.0af	12055.0as	15205.0af	15410.0af	17715.0as
			17800.0af	21600.0af	21680.0as			
0900-1000		<b>Radio Australia</b>	6080.0as	9580.0as	11880.0pa	17750.0as		
0900-1000		<b>China Radio Int'l</b>	9785.0pa	11755.0pa	15400.0pa			
0900-1000		<b>Radio Africa, Eq. Guinea</b>	15185.0af					
0900-1000		<b>Voice of Guyana</b>	3290.0do	5949.4do				
0900-1000	s	<b>Italian Radio Relay Svc</b>	7120.0uf					
0900-1000		<b>Radio Kiribati</b>	9809.9do					
0900-1000		<b>Voice of Hope, Lebanon</b>	11530.0me					
0900-1000	s	<b>V. of the Mediterranean</b>	9660.0eu					
0900-1000		<b>KHBI Saipan, Marianas</b>	13840.0pa	15665.0as				
0900-1000		<b>SBC Radio 1, Singapore</b>	6155.0do					
0900-1000		<b>Radio Tanzania</b>	5050.0af					
0900-1000		<b>BBC African Service</b>	6190.0af	11940.0af	15400.0af	17830.0af	17885.0af	
0900-1000		<b>BBC World Service</b>	9410.0eu	11760.0me	12095.0eu	15190.0sa	15485.0eu	15565.0eu
			15575.0as	17640.0eu	17705.0eu			
0900-1000		<b>WSHB Cypress Creek SC</b>	7395.0sa	7535.0eu	9835.0af			
0900-1100		<b>HCJB Quito Ecuador</b>	9640.0pa	21455.0uf				
0900-1200	mtwhf	<b>ZLXA New Zealand</b>	3935.0do					
0900-1300		<b>KFBS Saipan, Marianas</b>	9495.0as	11650.0as	15380.0as			
0900-1500		<b>WRNO New Orleans LA</b>	7355.0am					
0905-0910	s	<b>Croatian Radio, Zagreb</b>	7185.0eu	9830.0eu				
0915-0945		<b>BBC English Teaching</b>	6065.0as	9580.0as	11945.0as	11955.0as	15280.0as	
0915-0945	mtwhf	<b>BBC English Teaching</b>	6195.0as	9740.0as	11765.0pa	15360.0as	17760.0as	21660.0as
0915-0945		<b>BBC Asian Service</b>	15310.0as	17790.0as				
0915-0945	s	<b>BBC Asian Service</b>	6195.0as	9740.0as	11765.0pa	15360.0as	17760.0as	21660.0as
0920-0940	w	<b>Radio Almaty, Khazakhstan</b>	9505.0eu	9620.0eu	11840.0eu			
0930-1000		<b>ORF Vienna</b>	15455.0as	17870.0as				
0930-1000		<b>KTWR Guam</b>	9865.0as	15330.0pa				
0930-1000		<b>AWR Europe, Forli</b>	7230.0eu					
0930-1000		<b>FEBC Manila</b>	11635.0as					
0930-1030		<b>Radio Netherlands</b>	12065.0as	13710.0as				
0940-0945		<b>RTV Togo</b>	7265.0af					
0945-1000		<b>BBC Asian Service</b>	6195.0as	9740.0as	11765.0pa	15310.0as	15360.0as	17760.0as
			17790.0as	21660.0as				
0945-1000	a	<b>BBC Asian Service</b>	6065.0as	9580.0as	11945.0as	11955.0as	15280.0as	
0945-1000	satwhf	<b>BBC Slow Speed News</b>	6065.0as	9580.0as	11945.0as	11955.0as	15280.0as	
1000-1025		<b>Voice of Vietnam</b>	5940.0as	7270.0as	7400.0as	9839.9as	12019.3as	15009.2as
1000-1030		<b>KSDA Guam</b>	11790.0as					
1000-1030	s	<b>Radio Telefis Eireann</b>	5070.0am					
1000-1030		<b>Radio Nigeria</b>	3970.0do	4770.0do	4990.0do	6025.0do	6050.0do	7285.0do
			9570.0do					
1000-1030		<b>Swiss Radio Int'l</b>	6165.0eu	9535.0eu				
1000-1030		<b>Radio Tanzania</b>	5050.0af					
1000-1030		<b>BBC Asian Service</b>	6195.0as	9740.0as	11765.0pa	15310.0as	15360.0as	17760.0as
			17790.0as	21660.0as				
1000-1100		<b>Radio Australia</b>	6080.0as	9580.0pa	11880.0pa	17750.0as		
1000-1100		<b>China Radio Int'l</b>	9785.0pa	11755.0pa	15400.0pa			
1000-1100		<b>Radio Africa, Eq. Guinea</b>	15185.0af					
1000-1100		<b>KTWR Guam</b>	9865.0as					
1000-1100		<b>Voice of Guyana</b>	5949.4do					
1000-1100		<b>All India Radio, Delhi</b>	11585.0as	11735.0au	13700.0as	15050.0as	17387.0au	17840.0as
1000-1100	s	<b>Italian Radio Relay Svc</b>	7120.0uf					
1000-1100		<b>Radio Japan</b>	9695.0as	11730.0as	11850.0pa			
1000-1100		<b>Radio Jordan</b>	11690.0va					
1000-1100		<b>Voice of Hope, Lebanon</b>	11530.0me					
1000-1100	s	<b>V. of the Mediterranean</b>	9660.0eu					
1000-1100		<b>KHBI Saipan, Marianas</b>	15665.0as	15725.0as				
1000-1100		<b>Voice of Nigeria</b>	7255.0af	15120.0af				
1000-1100		<b>FEBC Manila</b>	11635.0as					
1000-1100		<b>SBC Radio 1, Singapore</b>	6155.0do					
1000-1100		<b>BBC African Service</b>	6190.0af	11940.0af	17885.0af			
1000-1100	s	<b>BBC African Service</b>	15400.0af	17830.0af				
1000-1100		<b>BBC World Service</b>	6195.0am	9410.0eu	11760.0me	12095.0eu	15485.0eu	15565.0eu
			15575.0as	17640.0eu	17705.0eu			
1000-1100	s	<b>BBC World Service</b>	15190.0sa					
1000-1100		<b>VOA</b>	5985.0pa	6165.0ca	7405.0ca	9590.0ca	11720.0as	15425.0as
1000-1100		<b>WWCR Nashville TN</b>	2390.0na	5070.0na	5935.0na			
1000-1100	mtwhf	<b>WWCR Nashville TN</b>	3210.0na					
1000-1100	s	<b>WWCR Nashville TN</b>	15685.0na					
1000-1100		<b>WYFR Okeechobee FL</b>	5950.0na					
1000-1200	s	<b>Overcomer Min., Germany</b>	5900.0as					
1000-1200		<b>WSHB Cypress Creek SC</b>	6095.0na	7395.0sa				
1000-1300		<b>WHRI Noblesville IN</b>	6040.0va	9495.0am				
1000-1400		<b>WEWN Birmingham AL</b>	7425.0na	15745.0eu				
1000-1500		<b>KWHR Naalehu HI</b>	9930.0as	11565.0pa				
1000-1800		<b>Radio Liberia Int'l</b>	6100.0do					
1000-2200		<b>WGTX McCallsville GA</b>	9400.0na					

1015-1030		BBC English Teaching	11805.0eu	13745.0eu	15325.0eu	15340.0eu	17695.0eu	
1015-1030	mtwh	BBC English Teaching	9750.0eu	11970.0eu				
1015-1030	mtwhf	BBC English Teaching	5875.0eu	9825.0eu				
1030-1035		Kol Israel	15640.0eu	15650.0va				
1030-1045	mtwhf	Radio Ethiopia	5990.0do	7110.0do	9705.0do			
1030-1045	mtwhfa	Vatican Radio	5883.0eu	9645.0eu	11740.0eu	15595.0va	21850.0va	
1030-1055		R. Vlaanderen Int'l	9925.0eu	15595.0eu				
1030-1057		Radio Prague Int'l	7345.0eu	11640.0eu				
1030-1100		KSDA Guam	11790.0as	15170.0as				
1030-1100		Radio Korea	11715.0sa					
1030-1100	mtwhf	Malawi B'casting Corp.	5995.0do					
1030-1100		Sri Lanka B'casting Corp.	11835.0as	15120.0as	17850.0as			
1030-1100	s	a	Radio Tanzania	5050.0af				
1030-1100		BBC Asian Service	6195.0as	9740.0as	11765.0pa	15310.0as	17790.0as	
1030-1125		Radio Netherlands	6045.0eu	9860.0eu	12065.0as	13710.0as		
1030-1445		Radio Nigeria	4770.0do	4990.0do	6025.0do	6050.0do	7285.0do	9570.0do
1100-1104		Radio Pakistan	7110.0va	9645.0va	15530.0eu	17835.1eu	17555.2eu	
1100-1125	s	a	Voice of Vietnam	7285.0as	9730.0as			
1100-1130		Malawi B'casting Corp.	5995.0do					
1100-1130		KHBN Palau	9965.0as					
1100-1130		Sri Lanka B'casting Corp.	11835.0as	15120.0as	17850.0af			
1100-1130		BBC African Service	6190.0af	11940.0af	15400.0af	17830.0af	17885.0af	21660.0af
1100-1130		BBC Asian Service	6195.0as	9580.0as	9740.0as	11955.0as	15280.0as	15310.0as
1100-1130	mtwhf	BBC Caribbean Report	17785.0as					
1100-1130		BBC World Service	6195.0ca	15220.0ca				
1100-1130	s	a	BBC World Service	5965.0na	9410.0eu	11760.0me	12095.0eu	15485.0eu
1100-1130		VOA	15575.0as	17640.0eu	17705.0eu	17790.0sa		
1100-1130		VOA	6195.0am	15190.0sa	15220.0am			
1100-1135		Radio Maputo, Mozambique	5985.0pa	6160.0as	9645.0as	9760.0as	11720.0as	15160.0as
1100-1150		Deutsche Welle	15425.0as					
1100-1150		Radio Pyongyang	11818.0af	11835.0af				
1100-1200		Radio Australia	15370.0af	15410.0af	17765.0af	17800.0af		
1100-1200		Radio Bulgaria	3560.0af	9640.0af	9975.0af	11335.0af	15230.0af	
1100-1200		Voice of Guyana	6080.0as	9580.0pa				
1100-1200		VOIRI Teheran	15175.0eu	17585.0eu				
1100-1200	s	a	Italian Radio Relay Svc	5949.4do				
1100-1200		Radio Japan	9585.0as	11830.0as	11875.0as	13605.0va	15260.0as	
1100-1200		Radio Jordan	7120.0uf					
1100-1200		Radio Korea	6120.0na	9695.0as	11730.0as			
1100-1200	s		11690.0va					
1100-1200		Voice of Hope, Lebanon	7275.0as					
1100-1200		V. of the Mediterranean	11530.0me					
1100-1200		KHBI Salpan, Marlanas	9660.0eu					
1100-1200		Radio Singapore Int'l	9385.0au	15665.0as				
1100-1200		Swiss Radio Int'l	6015.0as	6150.0as				
1100-1200		Radio Taipei Int'l	9810.0as	17515.0as				
1100-1200	s	a	Radio Tanzania	7445.0as				
1100-1200		WWCR Nashville TN	5050.0af					
1100-1215	s	WYFR Okeechobee FL	5070.0na	5935.0na	7435.0na	15685.0na		
1100-1600		Radio Vanuatu	5850.0na	5950.0na				
1104-1120		HCBJ Quito Ecuador	3945.0do	4960.0do	7260.0do			
1110-1115		Caribbean Beacon	12005.0ca	15115.0am	21455.0uf			
1115-1130		Radio Pakistan	11775.0am					
1115-1130	s	BRT Int'l, Cyprus	15530.0eu	17835.1eu	17555.2eu			
1115-1145		BBC English Teaching	4820.0do	7255.0do	9600.0do			
1125-1225		Radio Nepal, Katmandu	6159.0do					
1130-1145		Radio Netherlands	5875.0eu	9635.0eu				
1130-1200		Radio Burundi	3230.0as	5005.0as	7165.0as			
1130-1200		Radio Sweden	6045.0eu	9860.0eu				
1130-1200	s	a	BBC African Service	6140.0do				
1130-1200		BBC Asian Service	15240.0na	17870.0na				
1130-1200		BBC English Teaching	6190.0af	11940.0af	17830.0af	17885.0af	21660.0af	
1130-1200		BBC English Teaching	6195.0as	9580.0as	9740.0as	11955.0as	15280.0as	
1130-1200	s	a	BBC Asian Service	15310.0as	17785.0as			
1130-1200		BBC English Teaching	5875.0eu	9635.0eu	9750.0eu	11680.0eu	11895.0eu	13670.0eu
1130-1200	mtwhf	BBC English Teaching	15260.0eu	15325.0eu	17695.0eu			
1130-1200		BBC World Service	15310.0as	17785.0as				
1130-1200		VOA	5965.0na	6195.0am	9410.0eu	11760.0me	12095.0eu	15220.0am
1130-1200		VOA	15485.0eu	15565.0eu	15575.0as	17640.0eu		
1130-1200	f	Vatican Radio	5985.0pa	6160.0as	9645.0as	9760.0as	11680.0eu	11720.0as
1145-1155		Radio Rwanda	15160.0as	15425.0as				
1200-1209		BBC World Service	15595.0va	17550.0va				
1200-1215		V. of Cambodia	6055.0do					
1200-1215		Radio Voice of Lebanon	5965.0na	6195.0am	9410.0eu	11760.0me	12095.0eu	15220.0am
1200-1215		BBC English Teaching	15220.0am	15485.0eu	15565.0eu	15575.0as	17640.0eu	17705.0eu
1200-1229		Radio Canada Int'l	11940.3as					
1200-1230		VOIRI Teheran	6549.6me					
1200-1230	mtwhf	Malawi B'casting Corp.	7135.0as	9605.0as	11765.0as			
1200-1230	s	a	Radio Norway	9640.0am	9660.0as	11855.0am	13650.0am	15195.0as
1200-1230		Radio Korea	9585.0as	11830.0as	11875.0as	13605.0va	15260.0as	
1200-1230		Swiss Radio Int'l	5995.0do					
1200-1230		VOA	17535.0as					
1200-1230		Radio Tashkent	7285.0as					
1200-1230		Radio Tashkent	6165.0eu	9535.0eu				
1200-1255		Polish Radio, Warsaw	6160.0as	9645.0as	9760.0as	11715.0as	15160.0as	15425.0as
1200-1300		Radio Australia	5060.0as	5975.0as	7285.0as	9715.0as	11905.0as	15295.0as
			17775.0as					
			6095.0eu	7145.0eu	7270.0eu	9525.0eu	11815.0eu	
			6020.0pa	6080.0as	9580.0pa	9770.0as		

1200-1300		Radioabras, Brasilia	15445.0am						
1200-1300		China Radio Int'l	6950.0pa	7385.0pa	9565.0as	9715.0as	9945.0as	11660.0as	
			11675.0as	11980.0as					
1200-1300		Radio France Int'l	11600.0as	13625.0ca	15155.0eu	15195.0eu	15530.0ca	15540.0af	
			17575.0ca						
1200-1300		Voice of Guyana	5949.4do						
1200-1300 s	a	Italian Radio Relay Svc	7120.0uf						
1200-1300		Radio Jordan	11690.0va						
1200-1300		Voice of Hope, Lebanon	11530.0me						
1200-1300		KHBI Saipan, Marianas	9355.0as	9385.0pa					
1200-1300		KHBN Palau	9965.0as						
1200-1300		Radio Singapore Int'l	6015.0as	6150.0as					
1200-1300		Radio Taipei Int'l	7130.0as	9610.0au					
1200-1300 s	a	Radio Tanzania	5050.0af						
1200-1300		BBC African Service	6190.0af	11940.0af	17830.0af	17885.0af	21660.0af		
1200-1300		BBC Asian Service	6195.0as	9580.0as	9740.0as	11955.0as	15280.0as	15310.0as	
			17785.0as						
1200-1300		WSHB Cypress Creek SC	6095.0na	9455.0sa					
1200-1300		WWCR Nashville TN	5070.0na	7435.0na	13845.0na	15685.0na			
1200-1300		WYFR Okeechobee FL	5850.0na	5950.0na	6015.0na	17750.0na			
1200-1700		Ghana Broadcasting Corp.	4915.0do	6130.0do					
1200-1700		R. for Peace Int'l	7384.8va	15050.0uf	21465.0va				
1200-2400		CBC Northern Service	9625.0do						
1205-1210		Croatian Radio, Zagreb	7125.0eu	9830.0eu					
1206-1650		Radio New Zealand Int'l	6105.0oc						
1209-1215	mtwhf	BBC Caribbean Report	6195.0ca	15220.0ca					
1209-1215		BBC World Service	5965.0na	9410.0eu	9515.0na	11760.0me	12095.0eu	15485.0eu	
			15565.0eu	15575.0as	17640.0eu	17705.0eu			
			6195.0am	15220.0am					
1209-1215 s	a	BBC World Service	17595.0as						
1215-1300		Radio Cairo	5965.0na	6195.0am	9410.0eu	9515.0na	11760.0me	12095.0eu	
1215-1300		BBC World Service	15220.0am	15485.0eu	15565.0eu	15575.0as	17640.0eu	17705.0eu	
			7140.0me	11820.0me	13660.0af	15180.0af	15555.0me	17585.0af	
1225-1230	smtwh	BBC English Teaching	9640.0am	11855.0am	13650.0am				
1229-1259		Radio Canada Int'l	6870.0af						
1230-1240		Radio Megadishu	15105.0af	17715.0af	21640.0af				
1230-1240	smtwh	BBC English Teaching	7140.0me	11820.0me	13660.0af	15180.0af	15555.0me	17585.0af	
1230-1255		BBC English Teaching	15545.0na						
1230-1255		R. Vlaanderen Int'l	5940.0as	7270.0as	7400.0as	9839.9as	12019.3as	15009.2as	
1230-1300		Voice of Vietnam	6155.0eu	13730.0va					
1230-1300		ORF Vienna	7185.0as	9548.0as					
1230-1300		Radio Bangladesh	11900.0na	15400.0na					
1230-1300 s		Radio Finland	13720.0as						
1230-1300		KSDA Guam	7230.0as						
1230-1300		AWR Europe, Ferli	12085.0au						
1230-1300		Voice of Mongolia	6055.0as	7285.0as	9570.0as	9640.0pm	13670.0as		
1230-1300		Radio Kersa	9730.0as	15425.0as					
1230-1300		Sri Lanka B'casting Corp.	13740.0as	15240.0as					
1230-1300		Radio Sweden	9655.0as	9885.0as	11905.0as				
1230-1300		Radio Thailand	15185.0as	15290.0eu	17830.0eu				
1230-1300		Voice of Turkey	6160.0as	9645.0as	9760.0as	11715.0as	15160.0as	15425.0as	
1230-1300		VOA	7768.5uf						
1240-1245	a	VOA	15105.0af	17715.0af	21640.0af				
1240-1250		BBC English Teaching	17525.0af						
1240-1255	smtwh	Voice of Greece	7140.0me	11820.0me	13660.0af	15180.0af	15555.0me	17585.0af	
1300-1315		BBC Slow Speed News	4850.0va						
1300-1320		Cameroon Radio-TV	15445.0am						
1300-1330	smtwhf	Radioabras, Brasilia	11855.0am	13650.0am					
1300-1330	mtwhf	Radio Canada Int'l	9640.0am						
1300-1330		Radio Canada Int'l	13580.0as	21745.0af					
1300-1330		Radio Prague Int'l	17595.0as						
1300-1330		Radio Cairo	9710.0eu	12025.0as					
1300-1330 s		Universal Life, Germany	5915.0as	7255.0as					
1300-1330		Radio Almaty, Khazakhstan	9590.0eu	15640.0na	15650.0as				
1300-1330 s		Radio Norway	15185.0as	15290.0eu	17830.0eu				
1300-1330		Voice of Turkey	6160.0as	9645.0as	9760.0as	11715.0as	15160.0as	15425.0as	
1300-1330		VOA	15250.0na	15390.0eu	17735.0o	17770.0eu	17790.0na		
1300-1356		Radio Romania Int'l	6020.0pa	6080.0as	9580.0pa	9770.0as			
1300-1400		Radio Australia	6140.0as	7385.0pa	9715.0as	9945.0as	11660.0as	11675.0as	
1300-1400		China Radio Int'l	11980.0as						
1300-1400		Overcomer Min., Germany	11855.0eu	11650.0eu	11920.0eu				
1300-1400		Voice of Guyana	5949.4do						
1300-1400 s	a	Italian Radio Relay Svc	7120.0uf						
1300-1400		Radio Jordan	11690.0va						
1300-1400		Voice of Hope, Lebanon	11530.0me						
1300-1400		KFBS Saipan, Marianas	9495.0as	9670.0as	11650.0as				
1300-1400		KHBI Saipan, Marianas	9355.0as	9385.0as					
1300-1400		KHBN Palau	9985.0as						
1300-1400		FEBC Manila	11995.0as						
1300-1400		Voice of Russia	11655.0as	15510.0as	17570.0as	21760.0as			
1300-1400		Radio Singapore Int'l	6015.0as	6150.0as					
1300-1400 s	a	Channel Africa, S. Africa	9445.0af	17675.0af	17870.0af				
1300-1400		Sri Lanka B'casting Corp.	9730.0as	15425.0as					
1300-1400		Swiss Radio Int'l	7230.0as	7480.0as					
1300-1400 s	a	Radio Tanzania	5050.0af						
1300-1400		BBC African Service	6190.0af	11940.0af	15420.0af	17830.0af	17885.0af	21660.0af	
1300-1400		BBC Asian Service	5990.0as	6195.0as	9740.0as	11750.0as	15310.0as		
1300-1400		BBC World Service	5965.0na	6195.0am	9410.0eu	9515.0na	11760.0me	11865.0na	
			12095.0eu	15220.0am	15485.0eu	15565.0eu	15575.0as	17640.0eu	

1300-1400		KJES Vado NM	17705.0eu						
1300-1400		KNLS Anchor Point AK	11715.0na						
1300-1400		WSHB Cypress Creek SC	7365.0as						
1300-1400		WYFR Okeechobee FL	9430.0na	9455.0na					
1300-1500		WHRI Noblesville IN	11550.0as	11830.0na	11970.0na	13695.0na	17750.0na		
1300-2100		WWCR Nashville TN	6040.0va	15105.0am					
1315-1330	w	BBS, Bhutan	9475.0na	12160.0na	13845.0na	15685.0na			
1320-1400		Kenya BC Corp	5025.0do	6035.0do	9615.0do				
1330-1345	m wh	BBS, Bhutan	4935.0do						
1330-1345		BBC English Teaching	5025.0do	6035.0do	9615.0do				
1330-1355		Voice of Vietnam	15105.0af	17810.0af	21640.0af				
1330-1359		Radio Canada Int'l	5940.0eu	7270.0eu	7400.0eu	9839.9eu	12019.3eu	15009.2eu	
1330-1359	smtwhf	Radio Canada Int'l	9535.0as	11795.0as	11935.0eu	15325.0eu			
1330-1359	mtwhf	Radio Canada Int'l	11855.0am	13650.0am					
1330-1359	mtwhfa	Radio Canada Int'l	9640.0am						
1330-1400		KSDA Guam	17820.0va						
1330-1400		All India Radio, Delhi	9650.0as						
1330-1400	w	Radio Telefis Eireann	9545.0as	11620.0as	13710.0as				
1330-1400		Nat'l Radio of Laos	12015.0as						
1330-1400		Radio Sweden	7116.0as						
1330-1400		Radio Dubai, UAE	13740.0as	15240.0na	17515.0af				
1330-1400		VOA	13630.0eu	13675.0eu	15395.0eu	21605.0eu			
1330-1400		Radio Tashkent	6160.0as	9645.0as	9760.0as	15160.0as	15425.0as		
			5060.0as	5975.0as	7285.0as	9715.0as	11905.0as	15295.0as	
			17775.0as						
1330-1525		Radio Netherlands	9890.0as	15585.0as					
1335-1345		Voice of Greece	9395.0na	9580.0na	11730.0eu	15175.0na	15630.0na		
1345-1400	w	BBS, Bhutan	5025.0do	6035.0do	9615.0do				
1345-1400		Vatican Radio	13765.0au	15540.0au					
1400-1405		Vatican Radio	13765.0au	15540.0au					
1400-1414		Radio Pakistan	9645.0va						
1400-1415		Radio Botswana	4820.0do	7255.0do	9600.0do				
1400-1415	smtwhf	BBC English Teaching	11860.0af	15420.0af	17880.0va	21490.0af			
1400-1430		Radio Australia	5995.0pa	6020.0pa	6080.0as	9770.0as			
1400-1430	s	Universal Life, Germany	11785.0af						
1400-1430	w	Radio Telefis Eireann	12015.0as						
1400-1430		Kol Israel	15650.0va	17535.0va					
1400-1430	mtwhf	Malawi B'casting Corp.	3380.0do						
1400-1430		Radio Thailand	9655.0as	9830.0as	11905.0as				
1400-1455	s a	Channel Africa, S. Africa	9445.0af	17675.0af	17870.0af				
1400-1500	s	Radio Canada Int'l	11855.0am	13650.0am					
1400-1500		China Radio Int'l	7160.0as	7260.0as	7405.0na	9535.0as	9700.0va	11825.0as	
1400-1500		Radio France Int'l	7110.0as	11910.0as	15405.0as	17560.0af			
1400-1500		Voice of Hope, Georgia	12125.0as						
1400-1500		Overcomer Min., Germany	11855.0eu	13810.0me	11920.0eu				
1400-1500		Voice of Guyana	5949.4do						
1400-1500		All India Radio, Dethi	9545.0as	11620.0as	13710.0as				
1400-1500	s a	Italian Radio Relay Svc	7120.0uf						
1400-1500		Radio Japan	9505.0na	11730.0as	11880.0af				
1400-1500		Radio Jordan	11690.0va						
1400-1500		Kenya BC Corp	4935.0do						
1400-1500		Voice of Hope, Lebanon	11530.0me						
1400-1500		KHBI Saipan, Marianas	9355.0as						
1400-1500		KHBN Palau	9985.0as						
1400-1500		FEBC Manila	11995.0as						
1400-1500		Voice of Russia	4730.0as	4940.0as	4975.0as	7510.0as	11655.0as	12025.0as	
			15510.0as	17570.0as					
1400-1500		SBC Radio 1, Singapore	6155.0do						
1400-1500		Sri Lanka B'casting Corp.	9730.0as	15425.0as					
1400-1500		Swiss Radio Int'l	9575.0as	15265.0as					
1400-1500	s a	Radio Tanzania	5050.0af						
1400-1500		BBC African Service	6190.0af	11940.0af	17830.0af	21470.0af	21660.0af		
1400-1500		BBC Asian Service	5990.0as	6195.0as	9740.0as	11750.0as	15310.0as		
1400-1500		BBC World Service	9410.0eu	9515.0na	11865.0na	12095.0eu	15220.0na	15485.0eu	
			15565.0eu	15575.0as	17640.0eu	17705.0eu	17840.0am		
1400-1500	s	ANARC SWL Net	3940.0lf	7240.0lf					
1400-1500		KJES Vado NM	11715.0na						
1400-1500		VOA	6160.0as	7125.0as	7215.0as	9645.0as	9760.0as	15160.0as	
			15255.0va	15395.0as	15425.0as				
1400-1500		WYFR Okeechobee FL	11550.0as	11830.0na	11970.0na	17750.0na			
1400-1600		KFBS Saipan, Marianas	9465.0as	9495.0as	9670.0as				
1400-1600		WEWN Birmingham AL	9455.0na	11875.0na	15745.0eu				
1400-2400		KAIJ Dallas TX	13815.0na						
1415-1420		Radio Nepal, Katmandu	3230.0as	5005.0as	7165.0as				
1415-1430		BBC English Teaching	5875.0eu	12045.0eu					
1415-1430	s	BBC English Teaching	11860.0af	15420.0af	17880.0af	21490.0af			
1430-1500		Radio Australia	5995.0pa	6020.0pa	6080.0as	9500.0as	9770.0as	11660.0as	
1430-1500		KSDA Guam	9385.0as						
1430-1500		Radio Myanmar	5990.0do						
1430-1500		Radio Uganda	4976.0do						
1445-1600		Radio Nigeria	3970.0do	4770.0do	4990.0do	6025.0do	6050.0do	7285.0do	
			9570.0do						
			6140.0do						
1500-1505	mtwhf	Radio Burundi	9410.0eu	9515.0na	11865.0na	12095.0eu	15220.0na	15485.0eu	
1500-1515		BBC World Service	15575.0eu	17705.0eu	17840.0am				
1500-1530		Radio Mexico Int'l	5985.0na	9705.0na					
1500-1530		Voice of Mongolia	9720.0as	12085.0as					
1500-1530	s	Radio Norway	13800.0va						
1500-1530		KHBN Palau	9985.0as						

1500-1530		FEBA Seychelles	11600.0as						
1500-1530		Channel Africa, S. Africa	9445.0af						
1500-1530	s	Radio Tanzania	5050.0af						
1500-1530		BBC African Service	6190.0af	11860.0af	11940.0af	15400.0af	15420.0af	17830.0af	
1500-1530		VOA	21470.0af	21490.0af	21660.0af				
1500-1550		Radio Pyongyang	6110.0as	6160.0as	7125.0as	7215.0as	9645.0as	9700.0me	
1500-1559	s	Radio Canada Int'l	9760.0as	15205.0va	15255.0va	15395.0as			
1500-1600		Radio Australia	3560.0eu	9640.0af	9975.0eu	11735.0eu	13650.0me		
1500-1600		China Radio Int'l	11855.0am	13650.0am					
1500-1600		Voice of Hope, Georgia	5995.0pa	6020.0pa	6080.0as	9500.0as	9770.0as	11660.0as	
1500-1600		Overcomer Min., Germany	7160.0as	7405.0na	9730.0as	9785.0as			
1500-1600		KTWR Guam	12125.0as						
1500-1600		Voice of Guyana	13810.0me						
1500-1600	w	Radio Telefis Eireann	15330.0as						
1500-1600		Italian Radio Relay Svc	5949.4do						
1500-1600	s	Radio Japan	15165.0af						
1500-1600		Radio Jordan	7120.0uf						
1500-1600		Kenya BC Corp	7200.0as	9505.0na	9750.0as	11730.0as			
1500-1600		Voice of Hope, Lebanon	11690.0va						
1500-1600		Radio Myanmar	4935.0do						
1500-1600	mtwhf	NBC Windhoek, Namibia	11530.0me						
1500-1600		Voice of Russia	5990.0do						
1500-1600		SBC Radio 1, Singapore	4930.0af	6060.0af					
1500-1600		Sri Lanka B'casting Corp.	4730.0me	4940.0me	4975.0me	7325.0me	9975.0me	11775.0me	
1500-1600		Radio Uganda	15470.0me	15750.0me	17580.0me				
1500-1600		BBC Asian Service	6155.0do						
1500-1600		KJES Vado NM	9730.0as	15425.0as					
1500-1600		WYFR Okeechobee FL	4976.0do						
1500-1700		Voice of Nigeria	5975.0as	5990.0as	6195.0as	9740.0as	11750.0as	15310.0as	
1500-1800		KWHR Naalehu HI	11715.0na						
1500-1800		WHRI Noblesville IN	11830.0na	17750.0na					
1500-2300		WRHO New Orleans LA	7255.0af	15120.0af					
1500-2400		KTBN Salt Lake City UT	7560.0pa	9930.0as					
1515-1530		BBC English Teaching	13760.0va	15105.0am					
1515-1530		BBC World Service	15420.0am						
1530-1540		Radio Bangladesh	15590.0na						
1530-1545	sm	FEBA Seychelles	6015.0eu	9915.0eu					
1530-1545		BBC English Teaching	9410.0eu	9515.0na	11865.0na	12095.0eu	15220.0na	15485.0eu	
1530-1600		Georgian Radio, Tbilisi	15575.0eu	17705.0eu	17840.0am				
1530-1600		KSDA Guam	4880.0as	15520.0as					
1530-1600		VOIRI Teheran	11600.0as						
1530-1600		Radio Almaty, Khazakhstan	7145.0as	11710.0as					
1530-1600		Radio Tanzania	6180.0me						
1530-1600		BBC African Service	9385.0as						
1530-1600		BBC World Service	5995.0	7215.0as	9780.0as	11790.0as	13605.0as		
1530-1600		VOA	6230.0as						
1535-1550		Vatican Radio	5050.0af						
1545-1600		Radio Tirana, Albania	6190.0af	11940.0af	15400.0af	17830.0af	21470.0af	21660.0af	
1545-1600	s	Radio Bangladesh	9410.0eu	9515.0na	11865.0na	12095.0eu	15220.0na	15485.0eu	
1545-1600	h	Kol Israel	15575.0eu	17705.0eu	17840.0am				
1550-1600	a	Vatican Radio	6110.0as	6160.0as	7125.0as	7215.0as	9645.0as	9700.0me	
1600-1606		BBC Asian Service	9760.0as	15205.0va	15255.0va	15395.0as			
1600-1610	a	Vatican Radio	13765.0au	15500.0au					
1600-1615		Swiss Radio Int'l	11734.9eu	12084.8eu					
1600-1615		BBC African Service	4880.0as	15520.0as					
1600-1615		BBC World Service	11605.0eu	15650.0va	17535.0va				
1600-1625		Channel Africa, S. Africa	13765.0va	15500.0va					
1600-1625		Voice of Vietnam	3915.0as	5975.0as	5990.0as	6195.0as	7160.0as	9740.0as	
1600-1627		Radio Prague Int'l	11750.0as	15310.0as					
1600-1630		Voice of Hope, Georgia	13765.0va	15500.0va					
1600-1630		KTWR Guam	9575.0as	15265.0as					
1600-1630		VOIRI Teheran	3255.0af	6190.0af	15400.0af	17830.0af	21470.0af	21660.0af	
1600-1630		Radio Jordan	9410.0eu	9515.0na	12095.0eu	15485.0eu	15575.0eu	17840.0am	
1600-1630		Malawi B'casting Corp.	6000.0af						
1600-1630		Radio Mexico Int'l	5940.0eu	7270.0eu	7400.0eu	9839.9eu	12019.3eu	15009.2eu	
1600-1630	s	Radio Norway	5930.0eu	17485.0af					
1600-1630		Radio Pakistan	12125.0as						
1600-1645		Radio Dubai, UAE	15330.0as						
1600-1650		Deutsche Welle	5995.0	7215.0as	9780.0as	11790.0as	13605.0as		
1600-1700		Radio Algiers	11690.0va						
1600-1700		Radio Australia	3380.0do						
1600-1700		China Radio Int'l	5985.0na	9705.0na					
1600-1700	s	AWR Costa Rica	13800.0va	17640.0na	18950.0va				
1600-1700	a	Radio Ethiopia	7230.0va	9650.0me	11570.1me	15495.0me	15170.0af	17720.0af	
1600-1700		Radio France Int'l	13630.0eu	13675.0eu	15395.0eu	21605.0eu			
1600-1700		KSDA Guam	6170.0as	7130.0af	7225.0as	9735.0af	9875.0as	11810.0af	
1600-1700		Voice of Guyana	15415.0as	21695.0af					
1600-1700		Italian Radio Relay Svc	11715.0va	15159.9va					
1600-1700		Kenya BC Corp	5995.0pa	6020.0pa	6080.0as	9500.0as	9770.0as	11660.0as	
1600-1700		Voice of Hope, Lebanon	9565.0af	9620.0af	9730.0af				
1600-1700		KFBS Saipan, Marianas	9725.0na						
			5990.0af	7110.0af	7165.0af	9560.0af	9705.0af	11800.0af	
			11615.0af	11705.0af	12015.0af	15210.0af	15530.0af		
			9355.0as						
			5949.4do						
			3985.0uf						
			4935.0do						
			11530.0me						
			9465.0as	9495.0as					

1600-1700		Radio Nigeria	3970.0do	4770.0do	4990.0do	6025.0do	6050.0do	9570.0do
1600-1700		Voice of Russia	11775.0me	11850.0me	15490.0me	15515.0me	17570.0me	
1600-1700		Radio Korea	5975.0om	9515.0af	9870.0af			
1600-1700	s	a Sri Lanka B'casting Corp.	9730.0as	15425.0as				
1600-1700		TWR Swaziland	9500.0af					
1600-1700		Radio Tanzania	5050.0af					
1600-1700		Radio Uganda	4976.0do					
1600-1700		VOA	6035.0af	6110.0as	6160.0as	7125.0as	7215.0as	9645.0as
			9700.0me	9760.0as	13600.0af	13710.0af	15205.0va	15225.0af
			15255.0va	15395.0as	15410.0af	15445.0af	17895.0af	
1600-1700		WSHB Cypress Creek SC	18930.0af					
1600-1700		WYFR Okeechobee FL	11705.0na	11830.0na	15695.0eu	17555.0eu	17750.0na	21525.0eu
1600-1800		Overcomer Min., Germany	6130.0eu	13810.0me	15625.0va			
1600-1900		NBC Windhoek, Namibia	3270.1af	3289.9af				
1600-2100		WEWN Birmingham AL	11875.0na	13615.0na	15745.0eu			
1600-2100	smtwht	WMLK Bethel PA	9465.0na					
1600-2200		Christian Voice, Zambia	4965.0do					
1606-1615		BBC Asian Service	3915.0as	5975.0as	7160.0as	9740.0as	11750.0as	
1606-1615	mtwhf	BBC Asian Service	5990.0as	6195.0as	15310.0as			
1610-1620		Radio Botswana	3356.0do	4820.0do	7255.0do			
1615-1630		Vatican Radio	4005.0eu	5883.0eu	7250.0eu	9645.0eu	11810.0va	
1615-1645		BBC African Service	3255.0af	6190.0af	15400.0af	15420.0af	17830.0af	21470.0af
			21660.0af					
1615-1645	s	a BBC African Service	11860.0af					
1615-1700		BBC Asian Service	3915.0as	5975.0as	7160.0as	9510.0as	9740.0as	11750.0as
1615-1700		BBC World Service	9410.0eu	12095.0eu	15485.0eu	15575.0eu	17840.0am	
1615-1700	a	BBC World Service	9515.0na					
1630-1645		Radio Cairo	11875.0af	15255.0af				
1630-1655		R. Vlaanderen Int'l	5910.0eu	7290.0eu				
1630-1657		Radio Canada Int'l	6140.0as	7150.0as				
1630-1700		ORF Vienna	6155.0af	11855.0me	13710.0as	13730.0va		
1630-1700		BRT Int'l, Cyprus	6159.0do					
1630-1700		Georgian Radio, Tbilisi	6180.0eu					
1630-1700		Voice of Hope, Georgia	6285.0eu	12125.0				
1630-1700	a	Universal Life, Germany	12015.0af					
1630-1700		Radio Slovakia Int'l	5920.0eu	6055.0eu	7345.0eu			
1630-1700		BBC English Teaching	5875.0eu	9750.0eu				
1640-1650	s	Radio Rwanda	6055.0do					
1645-1700		Radio Afghanistan	7200.0as					
1645-1700		Radio Cairo	15255.0af					
1645-1700		Radio Tajikistan	7245.0as	11620.0as				
1645-1700		BBC African Service	3255.0af	6190.0af	11860.0af	15400.0af	15420.0af	17830.0af
			21470.0af	21660.0af				
1650-1852	mtwhf	Radio New Zealand Int'l	6145.0va					
1700-1715		Cameroon Radio-TV	4850.0va					
1700-1715		Radio Voice of Lebanon	6549.6me					
1700-1715	mtwh	TWR Swaziland	9500.0af					
1700-1715		TWR Swaziland	3200.0af					
1700-1727		Radio Prague Int'l	5930.0eu	17485.0af				
1700-1730		Radio Baku, Azerbaijan	6110.0eu					
1700-1730		Radio France Int'l	11615.0af	15210.0af				
1700-1730		Channel Africa, S. Africa	15240.0af					
1700-1730		BBC Asian Service	3915.0as	5975.0as	7160.0as	9510.0as	9740.0as	
1700-1730		BBC World Service	6095.0me	6180.0eu	6195.0eu	9410.0eu	12095.0eu	15485.0eu
			15575.0eu	17840.0na				
1700-1730		VOA	6110.0as	6160.0as	7125.0as	7170.0as	7215.0as	9645.0as
			9700.0me	9760.0af	15135.0eu	15255.0va	15395.0as	15410.0af
			15445.0af	17895.0af				
1700-1730	mtwhf	VOA	5990.0as	6045.0as	7150.0as	9550.0as	9770.0as	11870.0as
1700-1745		BBC African Service	3255.0af	6005.0af	6190.0af	9630.0af	11860.0af	15400.0af
			17830.0af					
1700-1755		Polish Radio, Warsaw	6000.0eu	6095.0eu	7285.0eu			
1700-1756		Radio Romania Int'l	9510.0eu	11940.0eu	15250.0eu			
1700-1800		Radio Australia	5995.0pa	6020.0pa	6080.0as	9500.0as	9770.0as	11880.0pa
1700-1800		China Radio Int'l	5220.0af	7150.0af	7160.0af	7405.0af	9570.0af	9700.0af
			9750.0af					
1700-1800		Radio Cairo	15255.0af					
1700-1800		Radio Africa, Eq. Guinea	7190.0af	15185.0af				
1700-1800		Voice of Hope, Georgia	6285.0eu	12125.0				
1700-1800	w	Voice of Guyana	5949.4do					
1700-1800		Radio Televis Eireann	11605.0af					
1700-1800		Italian Radio Relay Svc	3985.0uf					
1700-1800		Radio Japan	6090.0as	7110.0eu	9535.0na	9825.0as	15355.0af	
1700-1800		Kenya BC Corp	4935.0do					
1700-1800		Voice of Hope, Lebanon	11530.0me					
1700-1800		KHBN Palau	9965.0as					
1700-1800		Voice of Russia	9765.0eu	9775.0eu	11655.0eu	11775.0af	12070.0eu	15350.0af
			17570.0af					
1700-1800		Radio Tanzania	5050.0af					
1700-1800		Radio Uganda	4976.0do					
1700-1800	w	Merlin Network One	15200.0eu					
1700-1800		WSHB Cypress Creek SC	18930.0af					
1700-1800		WYFR Okeechobee FL	15695.0eu	17555.0eu	21525.0eu			
1700-2000		KFBS Salpan, Marianas	9465.0as					
1700-2030		Radio Nigeria	3326.0do	3970.0do	4770.0do	4990.0do	6025.0do	6050.0do
			9570.0do					
1700-2100		Star Radio, Liberia	5880.0do					
1700-2200		R. for Peace Int'l	15050.0uf	21465.0va				
1700-2200		Radio 3, Zimbabwe	4828.0do					

1700-2400		Ghana Broadcasting Corp.	3366.0do	4915.0do					
1715-1800		TWR Swaziland	3200.0af	9500.0af					
1730-1745		BBC Asian Service	3915.0as	5975.0as	7160.0as	9510.0as	9740.0as		
1730-1745	s	BBC Asian Service	9750.0as	12045.0as	15565.0as				
1730-1745		BBC English Teaching	3390.0af	6070.0af	9520.0af				
1730-1745	m w	BBC English Teaching	6050.0af	11960.0me	15585.0me				
1730-1745		BBC World Service	6095.0me	6180.0eu	6195.0eu	9410.0eu	12095.0eu	15485.0eu	
			15575.0eu	17840.0na					
1730-1755		R. Vlaanderen Int'l	11810.0me	17655.0af					
1730-1800		Georgian Radio, Tbilisi	6230.0eu						
1730-1800		KSDA Guam	9355.0as	13660.0me					
1730-1800		Radio Pilipinas, Manila	11720.0pa	11890.0pa	15190.0pa				
1730-1800		AWR Africa, Meyerton	12130.0af						
1730-1800	mtwhfa	Radio Sweden	6065.0va	15735.0va					
1730-1800	s	Radio Sweden	13855.0va	15735.0va					
1730-1800		VOA	6110.0as	6160.0as	7125.0as	7170.0as	7215.0as	9645.0as	
			9700.0me	9760.0af	15135.0eu	15255.0va	15395.0as	15410.0af	
			15445.0af	17895.0af					
1730-1800	mtwhf	VOA	5990.0as	6045.0as	7150.0as	9550.0as	9770.0as	11870.0as	
1730-1800		Vatican Radio	13765.0af	15570.0af	17550.0af				
1730-1830		Radio Netherlands	6020.0af	7120.0af	11655.0af				
1730-2310		SLBS, Sierra Leone	3316.0do						
1735-1745	t h	R. Nacional Paraguay	9736.2sa						
1745-1800		Radio Bangladesh	7185.0eu	9548.0eu	15520.0eu				
1745-1800		Radio Burundi	6140.0do						
1745-1800		All India Radio, Delhi	7410.0eu	9650.0af	9950.0eu	11620.0eu	11935.0af	13780.0af	
			15075.0af						
1745-1800		RTV Madagascar	3282.0do	3358.9do	5009.5do				
1745-1800		BBC African Service	3255.0af	6190.0af	11860.0af	15400.0af	17830.0af		
1745-1800		BBC Asian Service	5975.0as	9510.0as	9740.0as				
1745-1800	s	BBC Asian Service	9750.0as	12045.0as	15565.0as				
1745-1800		BBC World Service	6095.0me	6180.0eu	6195.0eu	9410.0eu	12095.0eu	15485.0eu	
			15575.0eu	17840.0na					
1800-1815		Voice of Greece	7450.0eu	9420.0eu	15485.0na	17705.0sa	17765.0na		
1800-1815		BBC English Teaching	6065.0as	7205.0as	9605.0as				
1800-1825		Voice of Vietnam	5940.0eu	7270.0eu	7400.0eu	7440.0eu	9839.9eu	12019.3eu	
			15009.2eu						
1800-1830		Radio Cairo	15255.0af						
1800-1830	s	Universal Life, Germany	11785.0af						
1800-1830	w	Radio Telefis Eireann	11785.0af						
1800-1830		Malawi B'casting Corp.	3380.0do						
1800-1830	s	Radio Norway	7485.0eu	15705.0na	15735.0va	18950.0af			
1800-1830		AWR Africa, Meyerton	3345.0af	3390.0af					
1800-1830	m	Amateur Radio League, SAF	3215.0af						
1800-1830		TWR Swaziland	3200.0af	9500.0af					
1800-1830		BBC African Service	3255.0af	6190.0af	11860.0af	15400.0af	17830.0af		
1800-1830		BBC Asian Service	5975.0as	9510.0as	9740.0as				
1800-1830		BBC World Service	6095.0me	6180.0eu	6195.0eu	9410.0eu	12095.0eu	15485.0eu	
			15575.0eu	17840.0na					
1800-1830		VOA	6035.0af	7415.0af	9760.0af	11975.0af	15410.0af	15580.0af	
			17895.0af						
1800-1850		Radio Pyongyang	4405.0eu	6575.0eu	9335.0am	11700.0am	13760.0am		
1800-1900	mtwhf	RAE Buenos Aires	15345.0eu						
1800-1900		Radio Australia	5995.0pa	6080.0as	7240.0pa	9500.0as	9770.0as	11880.0pa	
1800-1900		Radio Bangladesh	7185.0eu	9548.0eu	15520.0eu				
1800-1900		Radiobras, Brasilia	15265.0eu						
1800-1900		Radio Africa, Eq. Guinea	7190.0af	15185.0af					
1800-1900		Voice of Hope, Georgia	6285.0eu	12125.0					
1800-1900		Voice of Guyana	5949.4do						
1800-1900		All India Radio, Delhi	7410.0eu	9650.0af	9950.0eu	11620.0eu	11935.0af	13780.0af	
			15075.0af						
1800-1900		Italian Radio Relay Svc	3985.0uf						
1800-1900		Kenya BC Corp	4935.0do						
1800-1900		Radio Kuwait	11990.0na						
1800-1900		Voice of Hope, Lebanon	11530.0me						
1800-1900		RTV Morocco	15345.0af	17815.0af					
1800-1900		Radio Maputo, Mozambique	3265.0af	4855.0af					
1800-1900		Radio Pilipinas, Manila	11720.0pa	11890.0pa	15190.0pa				
1800-1900		Voice of Russia	7290.0eu	7425.0af	9765.0eu	9775.0eu	9820.0eu	11655.0eu	
			11675.0eu	11775.0af	12045.0af	12070.0eu	15350.0af		
1800-1900		R. Omdurman, Sudan	7200.0do	9200.0do					
1800-1900		Radio Tanzania	5050.0af						
1800-1900		Radio Uganda	4976.0do						
1800-1900	w	Merlin Network One	15200.0eu						
1800-1900		KJES Vado NM	15385.0au						
1800-1900		KWHR Naalehu HI	7560.0pa	13625.0as					
1800-1900		Republic of Yemen Radio	9780.0do						
1800-2000		KHBI Salpan, Marlanas	9355.0eu	9385.0af					
1800-2000		Overcomer Min., Germany	11820.0af	15625.0va					
1800-2000		WHRA Greenbush ME	17655.0af						
1800-2000		WSHB Cypress Creek SC	15665.0eu	18930.0af					
1800-2000		WYFR Okeechobee FL	15695.0eu						
1800-2100		WHRI Noblesville IN	9495.0am	13760.0va					
1800-2400		Radio Liberia Int'l	5100.0do						
1815-1830	m hf	BBC English Teaching	6130.0as	9595.0as					
1830-1840		Radio Mogadishu	6870.0af						
1830-1900		Georgian Radio, Tbilisi	6230.0eu						
1830-1900	s	Universal Life, Germany	9490.0af						
1830-1900	mtwhf	Radio Telefis Eireann	12160.0am						

1830-1900	m	Radio Telefis Eireann	11785.0af				
1830-1900		Radio Ivory Coast, Abidjn	11920.0af				
1830-1900		Radio Slovakia Int'l	5920.0eu	6055.0eu	7345.0eu		
1830-1900	sm	Amateur Radio League, SAF	3215.0af				
1830-1900		TWR Swaziland	3200.0af				
1830-1900		Voice of Turkey	9445.0eu	11765.0eu			
1830-1900		BBC African Service	3255.0af	6005.0af	6190.0af	9630.0af	11860.0af 15400.0af
			17830.0af				
1830-1900		BBC Asian Service	9740.0pa				
1830-1900	s	a BBC English Teaching	6130.0eu	9595.0eu			
1830-1900		BBC World Service	6180.0eu	6195.0eu	9410.0eu	12095.0eu	15485.0eu 15575.0eu
			17840.0na				
1830-1900		VOA	6035.0af	7415.0af	9760.0af	11975.0af	15410.0af 15580.0af
			17895.0af				
1830-1900	s	a VOA	7170.0af	7330.0af	9860.0af		
1830-1900		Radio Yugoslavia	6100.0eu	9720.0af			
1830-2025		Radio Netherlands	6020.0af	7120.0af	9895.0af	11655.0af	15315.0af 17605.0af
1840-1850		Voice of Greece	11645.0af	15150.0af			
1845-1900		RTV Guinea	6155.0af	7125.0af	9650.0af	15310.0af	
1845-1900		Radio Mali	4783.4do	4835.0do	5995.0do		
1852-2052		Radio New Zealand Int'l	11735.0va				
1900-1910		Voice of Greece	7465.0eu	9375.0eu			
1900-1915		Radio Tanzania	5050.0af				
1900-1915		BBC English Teaching	11880.0af	15105.0af	17885.0af		
1900-1920		Radio bras, Brasilia	15265.0eu				
1900-1925		Kol Israel	9435.0va	11605.0va	15640.0af	15650.0va	
1900-1925		Voice of Vietnam	5940.0eu	7270.0eu	7400.0eu	9839.9eu	12019.3eu 15009.2eu
1900-1930	s	a Radio Telefis Eireann	12160.0am				
1900-1930		Radio Ivory Coast, Abidjn	11920.0af				
1900-1930		Radio Budapest	3975.0eu	7170.0eu			
1900-1930		Radio Pilipinas, Manila	11720.0pa	11890.0pa	15190.0pa		
1900-1930		Swiss Radio Int'l	6165.0eu	9885.0eu			
1900-1930		Voice of Turkey	9445.0eu	11765.0eu			
1900-1930		BBC Asian Service	5975.0me	9740.0pa			
1900-1930		BBC World Service	6180.0eu	6195.0eu	9410.0eu	12095.0eu	15485.0eu
1900-1930		VOA	6035.0af	7375.0af	7415.0af	9525.0pa	9760.0af 9770.0af
			11870.0pa	11975.0af	15180.0pa	15410.0af	15445.0af 15580.0af
1900-1930	a	VOA	4950.0af				
1900-1930	smtwhf	Radio Yugoslavia	7230.0au				
1900-1945		All India Radio, Delhi	7410.0eu	9650.0af	9950.0eu	11620.0eu	11935.0af 13780.0af
			15075.0af				
1900-1950		Deutsche Welle	9640.0af	9670.0af	11785.0af	11810.0af	13790.0af 15245.0af
			15390.0af				
1900-1950	s	Radio Latvia	5935.0eu				
1900-1950		Radio Pyongyang	6520.0af	9600.0af	9975.0af		
1900-2000		Radio Australia	5995.0pa	6080.0as	7240.0pa	9500.0as	9770.0as 11880.0pa
1900-2000		Radio Bulgaria	9700.0eu	11720.0eu			
1900-2000		China Radio Int'l	6955.0af	9440.0af	9600.0af	9870.0af	11840.0af
1900-2000		Radio Africa, Eq. Guinea	7190.0af	15185.0af			
1900-2000		Voice of Hope, Georgia	6285.0eu	12125.0			
1900-2000		Voice of Guyana	5949.4do				
1900-2000		Italian Radio Relay Svc	3985.0uf				
1900-2000		Kenya BC Corp	4935.0do				
1900-2000		Radio Kuwait	11990.0na				
1900-2000		Voice of Hope, Lebanon	11530.0me				
1900-2000	smtwh	a V. of the Mediterranean	12060.0eu				
1900-2000		Radio Kudirat, Nigeria	6205.0do	11540.0do			
1900-2000		Voice of Free Nigeria	11645.0va	12015.0af			
1900-2000	a	Voice of Russia	7290.0eu	7425.0af	9440.0af	9450.0eu	9765.0eu 9775.0eu
			9820.0eu	11655.0eu	11675.0eu	11775.0af	11850.0af 12045.0af
			12070.0eu	15350.0af			
1900-2000	s	Amateur Radio League, SAF	3215.0af				
1900-2000		Radio Korea	5975.0om	7275.0as			
1900-2000	a	Sri Lanka B'casting Corp.	5975.0eu				
1900-2000		TWR Swaziland	3200.0af				
1900-2000		Radio Thailand	7210.0eu	9655.0eu	11905.0eu		
1900-2000		Radio Uganda	4976.0do				
1900-2000		BBC African Service	3255.0af	6005.0af	6190.0af	9630.0af	11835.0af 15400.0af
			17830.0af				
1900-2000	m	Merlin Network One	13690.0na	15590.0eu			
1900-2000		KWHR Naalehu HI	13625.0as	17555.0pa			
1900-2100		SIBC Salomen Islands	5020.0do				
1900-2100		Voice of Nigeria	7255.0af	15120.0af			
1900-2200	mtwhf	HCJB Quito Ecuador	15115.0eu	21455.0uf			
1900-2300		NBC Windhoek, Namibia	3270.1af	3289.9af			
1910-1920		Radio Botswana	3356.0do	4820.0do			
1915-1925		Radio Rwanda	6055.0do				
1930-2000	t	Radio Minsk, Belarus	7210.0eu	11960.0eu			
1930-2000		VOIRI Teheran	7160.0eu	7260.0eu	9022.0eu		
1930-2000		Voice of Mongolia	9720.0eu	12085.0eu			
1930-2000		Polish Radio, Warsaw	6035.0eu	6095.0eu	7285.0eu	9525.0eu	
1930-2000		Radio Sweden	6065.0va				
1930-2000		BBC Asian Service	9740.0pa				
1930-2000	s	BBC Asian Service	5975.0me				
1930-2000		BBC World Service	6180.0eu	6195.0eu	9410.0eu	12095.0eu	15485.0eu
1930-2000	mtwhfa	BBC World Service	5975.0me				
1930-2000		VOA	4950.0af	6035.0af	7375.0af	7415.0af	9525.0pa 9760.0af
			9770.0af	11870.0pa	11975.0af	15180.0pa	15410.0af 15445.0af
			15580.0af				

1930-2300		Nat'l BC, Papua NG	3925.0do	4890.0do	9520.0do	9675.0do			
1935-1955		RAI, Rome	5970.0eu	7145.0eu	9760.0eu				
1945-1950		RTV Togo	5047.0af						
1945-2000	mtwhf	Radio Nadeco, Nigeria	15685.0af						
1950-2000		Radio Latvia	5935.0eu						
1950-2000		Vatican Radio	4005.0eu	5883.0eu	7250.0eu	9645.0eu			
2000-2010		Kenya BC Corp	4935.0do						
2000-2010		Vatican Radio	4005.0eu	5883.0eu	7250.0eu	9645.0eu	9660.0af	11625.0af	
			13765.0af						
2000-2015		TWR Swaziland	3200.0af						
2000-2025		Pollsh Radio, Warsaw	6035.0eu	6095.0eu	7285.0eu	9525.0eu			
2000-2027		Radio Prague Int'l	5930.0eu	11600.0as					
2000-2030		Radio Finland	6135.0af						
2000-2030		VOIRI Teheran	7160.0eu	7260.0eu	9022.0eu				
2000-2030	w	Malawi B'casting Corp.	3380.0do						
2000-2030		Radio Mexico Int'l	5985.0na	9705.0na					
2000-2030	s	Radio Norway	15220.0au						
2000-2030		Swiss Radio Int'l	9840.0af	9885.0af	9905.0af	11725.0af			
2000-2030		VOA	4950.0af	6035.0af	6095.0me	7375.0af	7415.0af	9760.0af	
			9770.0af	11855.0af	11975.0af	15410.0af	15445.0af	15580.0af	
			17725.0af	17755.0af					
2000-2035	mtwhf	Radio Latvia	5935.0eu						
2000-2050		Deutsche Welle	9615.0eu						
2000-2059		Radio Canada Int'l	5995.0va	7235.0va	11690.0va	13650.0va	13670.0va	15150.0va	
			15325.0va	17820.0va	17870.0va				
2000-2100		Radio Algiers	11715.0va	15159.9va					
2000-2100		R. Nacional de Angola	3374.9	9535.0					
2000-2100		Radio Australia	5995.0pa	9500.0as	9770.0as	11880.0pa	12080.0as		
2000-2100		China Radio Int'l	5220.0af	6950.0eu	7160.0af	7170.0af	7175.0af	9440.0af	
			9600.0va	9635.0af	9920.0eu	11840.0eu			
2000-2100		Radio Africa, Eq. Guinea	7190.0af	15185.0af					
2000-2100		Voice of Hope, Georgia	6285.0eu	12125.0					
2000-2100		Overcomer Min., Germany	15625.0va						
2000-2100		Voice of Guyana	5949.4do						
2000-2100		Voice of Indonesia	15149.8va						
2000-2100	s	fa	3955.0uf						
2000-2100		Italian Radio Relay Svc	11990.0na						
2000-2100		Radio Kuwait	11530.0me						
2000-2100	smtwh	a	12060.0eu						
2000-2100		V. of the Mediterranean	13840.0au						
2000-2100		KHBI Salpan, Marianas	7425.0af	9440.0af	9470.0af	9710.0eu	9765.0eu	9775.0eu	
2000-2100		Voice of Russia	9820.0eu	11675.0eu	11850.0af	11930.0eu	12070.0eu	15485.0eu	
2000-2100	mtwhf	Radio Exterior de Espana	9855.0eu	11830.0af					
2000-2100		Radio Uganda	4976.0do						
2000-2100		BBC African Service	3255.0af	6005.0af	6190.0af	9630.0af	11835.0af	15400.0af	
			17830.0af						
2000-2100		BBC Asian Service	5975.0pa	9740.0pa					
2000-2100		BBC World Service	6180.0eu	6195.0eu	7325.0eu	9410.0eu	12095.0sa		
2000-2100	w	Merlin Network One	13690.0na	15590.0eu					
2000-2100		KJES Vado NM	15385.0au						
2000-2100		WYFR Okeechobee FL	15695.0eu	17555.0eu	17845.0eu				
2000-2200		KWHR Naalehu HI	15405.0as	17555.0pa					
2000-2200		WHRA Greenbush ME	15460.0af						
2000-2200		WSHB Cypress Creek SC	11550.0al	13770.0eu	15665.0eu				
2000-2400		Radio Vanuatu	3945.0do	4960.0do	7260.0do				
2000-2400		WINB Red Lion PA	13790.0va						
2005-2105		Radio Damascus	12085.0eu	13610.0eu					
2010-2030	s	a	9660.0af	11625.0af	13765.0af				
2010-2100	mtwhfa	Kenya BC Corp	4935.0do						
2015-2045		Voice of Armenia, Yerevan	4810.0eu	9965.0eu					
2025-2045		RAI, Rome	7170.0af	9710.0af	11800.0af				
2030-2045		Radio Thailand	9655.0eu	9680.0eu	11905.0eu				
2030-2055		Radio Moldova Int'l	7520.0eu						
2030-2055		Voice of Vietnam	5940.0eu	7270.0eu	7400.0eu	9839.9eu	12019.3eu	15009.2eu	
2030-2100	t	h	7210.0eu	11960.0eu					
2030-2100		Radio Cairo	15375.0af						
2030-2100		AWR Europe, Germany	9835.0af						
2030-2100		Radio Iraq Int'l	11785.0ir						
2030-2100		AWR Africa, Meyerton	9745.0af						
2030-2100	s	a	6065.0va	13830.0va					
2030-2100		Radio Sweden	7210.0as						
2030-2100		Voice of Turkey	5875.0eu	6050.0eu	9635.0eu				
2030-2100		BBC English Teaching	6035.0af	6095.0me	7375.0af	7415.0af	9760.0af	9770.0af	
2030-2100		VOA	11975.0af	15410.0af	15445.0af	15580.0af	17725.0af	17755.0af	
			4950.0af						
2030-2100	s	a	7105.0eu	9540.0eu	9545.0eu				
2030-2100		Radio Tashkent	13605.0uf	13715.0eu					
2030-2130		Radio Havana Cuba	3326.0do	4770.0do	4990.0do	6025.0do	6050.0do	9570.0do	
2030-2300	smtwh	f	3935.0do						
2030-2400		ZLXA New Zealand	5960.0do						
2030-2400		ZLXA New Zealand	7150.0au	7410.0eu	9910.0au	9950.0eu	11620.0va	11715.0au	
2045-2100	t	All India Radio, Delhi	5890.0eu						
2045-2100	smtwh	Universal Life, Germany	17675.0va						
2052-2107		Radio New Zealand Int'l	11735.0va						
2052-2107	fa	Radio New Zealand Int'l	4935.0do						
2100-2110	s	a	4850.0va						
2100-2115		Kenya BC Corp	15375.0af						
2100-2115		Cameroon Radio-TV	5890.0eu						
2100-2115	t	Radio Cairo	5975.0am	6180.0eu	6195.0eu	7325.0eu	9410.0eu	12095.0sa	
2100-2115		Universal Life, Germany							
2100-2115		BBC World Service							

2100-2129		Radio Canada Int'l	7235.0va	11690.0va	11890.0va	13650.0va	13670.0va	15150.0va
2100-2130		Radio Australia	15325.0va	17820.0va				
2100-2130		China Radio Int'l	5995.0pa	9500.0as	9660.0pa	11880.0pa	12080.0as	17795.0pa
2100-2130		Radio Budapest	3985.0eu	5220.0va	6950.0eu	7170.0af	7180.0af	9535.0af
2100-2130		Malawi B'casting Corp.	9670.0va	9920.0eu				
2100-2130		Radio Mexico Int'l	3975.0eu	11700.0eu				
2100-2130		Radio Korea	3380.0do					
2100-2130		Swiss Radio Int'l	5985.0na	9705.0na				
2100-2130		Voice of Turkey	3970.0eu	6480.0eu	15575.0eu			
2100-2130		VOA	3985.0eu					
2100-2130		Radio Yugoslavia	7210.0as					
2100-2130		Deutsche Welle	6035.0af	6040.0me	6095.0me	7375.0af	7415.0af	9535.0af
2100-2150		Radio Pyongyang	9760.0eu	11870.0pa	11975.0af	15185.0as	15410.0af	15445.0af
2100-2156		Radio Romania Int'l	15580.0af	17725.0af	17735.0as			
2100-2200		Radio Bulgaria	6100.0eu	6185.0eu				
2100-2200		Radio Africa, Eq. Guinea	7115.0as	9670.0as	9735.0af	9765.0as	11785.0as	11865.0af
2100-2200		Voice of Hope, Georgia	15135.0va					
2100-2200		Voice of Guyana	4405.0eu	6575.0eu	9335.0am	11700.0am	13760.0am	
2100-2200		All India Radio, Delhi	6130.0eu	7105.0eu	7195.0eu	9570.0eu	9690.0eu	11830.0eu
2100-2200		Radio Iraq Int'l	9700.0eu	11720.0eu				
2100-2200		Italian Radio Relay Svc	7190.0af	15185.0af				
2100-2200		Radio Japan	6285.0eu	12125.0				
2100-2200		Voice of Hope, Lebanon	5949.4do					
2100-2200		Radio Exterior de Espana	7150.0va	7410.0eu	9910.0au	9950.0eu	11620.0va	11715.0au
2100-2200		Radio Ukraine Int'l	11785.0lr					
2100-2200		BBC African Service	3955.0lr					
2100-2200		BBC Asian Service	6035.0pa	9725.0eu	11850.0pa	13630.0na		
2100-2200		Merlin Network One	11530.0me					
2100-2200		WEWN Birmingham AL	9855.0eu	11830.0af				
2100-2200		WVCR Nashville TN	5905.0eu	6020.0eu	6090.0eu	7180.0eu	7240.0eu	7380.0au
2100-2200		WYFR Okeechobee FL	7410.0eu	9550.0na	9560.0eu	12040.0na	13590.0eu	
2100-2200		SIBC Solomon Islands	3255.0af	6005.0af	6190.0af	11835.0af	15400.0af	
2100-2200		WHRI Noblesville IN	3915.0as	5965.0as	5975.0pa	6195.0as	9740.0pa	11945.0as
2100-2200		Radio New Zealand Int'l	11915.0eu	11985.0na	13690.0na			
2100-2200		Radio Damascus	5825.0na	13615.0na	15745.0eu			
2100-2200		BBC Caribbean Report	5070.0na	9475.0na	13845.0na	15685.0na		
2100-2200		BBC World Service	15215.0eu	15695.0eu	17845.0eu			
2100-2200		BBC World Service	5020.0do	9545.0do				
2100-2200		Radio Cairo	5745.0va	9495.0am				
2100-2200		BBC Calling Falklands	17675.0va					
2100-2200		Radio Moldova Int'l	12085.0na	13610.0na				
2100-2200		Radio Prague Int'l	5975.0ca	15390.0ca	17715.0ca			
2100-2200		Radio Tirana, Albania	6180.0eu	6195.0eu	7325.0eu	9410.0eu	12095.0as	
2100-2200		Radio Australia	5975.0am	6180.0eu	6195.0eu	7325.0eu	9410.0eu	12095.0as
2100-2200		ORF Vienna	6040.0me	6095.0me	9535.0af	9760.0eu	11870.0pa	15185.0as
2100-2200		China Radio Int'l	17735.0as					
2100-2200		KSDA Guam	6035.0af	7375.0af	7415.0af	11975.0af	15410.0af	15445.0af
2100-2200		VOIRI Teheran	15580.0af	17725.0af				
2100-2200		Radio Korea	7105.0eu	9540.0eu	9545.0eu			
2100-2200		Radio Sweden	4835.0do					
2100-2200		BBC World Service	5025.0do					
2100-2200		VOA	4910.0do					
2130-2200		Radio Tashkent	6165.0pa	6175.0pa				
2130-2200		ABC Alice Springs	15575.0eu	9430.0va				
2130-2200		ABC Katherine	5975.0am	6180.0eu	6195.0eu	7325.0eu	9410.0eu	12095.0as
2130-2200		ABC Tennant Creek	6040.0me	6095.0me	9535.0af	9760.0eu	11870.0pa	15185.0as
2200-2225		VOIRI Teheran	17735.0as					
2200-2225		RAI, Rome	6035.0af	7375.0af	7415.0af	11975.0af	15410.0af	15445.0af
2200-2229		Radio Canada Int'l	15580.0af	17725.0af				
2200-2230		All India Radio, Delhi	7105.0eu	9540.0eu	9545.0eu			
2200-2230		Malawi B'casting Corp.	4835.0do					
2200-2230		Radio Norway	5025.0do					
2200-2230		BBC African Service	4910.0do					
2200-2230		BBC World Service	6150.0pa	9675.0pa	11900.0pa			
2200-2230		VOA	5960.0am	9755.0am	11705.0as	13670.0am	15305.0am	
2200-2245		VOA	7150.0va	7410.0eu	9910.0au	9950.0eu	11620.0va	11715.0au
2200-2245		Radio Cairo	3380.0do					
2200-2300		WYFR Okeechobee FL	13830.0au					
2200-2300		Radio Australia	11835.0af	15400.0af				
2200-2300		China Radio Int'l	5975.0am	6175.0na	6195.0eu	7325.0eu	9410.0eu	9590.0na
2200-2300		Radio Africa, Eq. Guinea	9915.0sa	12095.0sa				
2200-2300		Voice of Guyana	7215.0as	9705.0as	9770.0as	11760.0as	15185.0as	15290.0as
2200-2300		Radio Taipei Int'l	15305.0as	17735.0as	17820.0as			
2200-2300		Voice of Turkey	6035.0af	7340.0af	7375.0af	7415.0af	11975.0af	
2200-2300		BBC Asian Service	9900.0eu					
2200-2300		Merlin Network One	11855.0na	15215.0eu	17845.0eu			
2200-2300		VOA	9660.0pa	12080.0as	13755.0pa	15510.0pa	17795.0pa	
2200-2300		Radio Korea	7170.0eu					
2200-2300		Voice of Guyana	7190.0af	15185.0af				
2200-2300		Radio Iraq Int'l	3290.0do	5949.4do				
2200-2300		Radio Taipei Int'l	11785.0lr					
2200-2300		Voice of Turkey	15600.0eu	17750.0eu				
2200-2300		BBC Asian Service	7190.0eu	9655.0va				
2200-2300		Merlin Network One	5965.0as	6195.0as	7110.0as	9660.0as	9890.0as	11955.0as
2200-2300		VOA	12080.0pa					
2200-2300		Radio Cairo	9645.0eu	9780.0na	11915.0eu	11985.0na	13690.0na	

2200-2400	<b>Caribbean Beacon</b>	6090.0am			
2200-2400	<b>KWHR Naalehu HI</b>	17510.0as	17555.0pa		
2200-2400	<b>R. for Peace Int'l</b>	7384.8va	15050.0uf	21465.0va	
2200-2400	<b>RTM Radio 4, Malaysia</b>	7295.0do			
2200-2400	<b>WEWN Birmingham AL</b>	5825.0na	9975.0eu	13615.0na	
2200-2400	<b>WGTG McCaysville GA</b>	5085.0na			
2200-2400	<b>WHRA Greenbush ME</b>	13760.0af			
2200-2400	<b>WSHB Cypress Creek SC</b>	7510.0eu	13770.0sa		
2200-2400	<b>WWCR Nashville TN</b>	5070.0na	7435.0na	9475.0na	13845.0na
2230-2257	<b>Radio Prague Int'l</b>	9435.0na	11600.0na		
2230-2300	<b>Radio Canada Int'l</b>	5960.0am	9755.0am	13670.0am	
2230-2300	<b>BBC African Service</b>	11835.0af	15400.0af		
2230-2300	<b>BBC World Service</b>	5975.0am	6175.0na	9590.0na	9915.0sa
2230-2300	<b>VOA</b>	7215.0as	9705.0as	9770.0as	11760.0as
		15305.0as	17735.0as	17820.0as	15185.0as
2230-2330	<b>Radio Havana Cuba</b>	6000.0am			
2230-2400 s	<b>SIBC Solomon Islands</b>	5020.0do			
2230-2400	<b>SIBC Solomon Islands</b>	9545.0do			
2240-2250	<b>Voice of Greece</b>	9420.0au	11645.0au		
2245-2300	<b>All India Radio, Delhi</b>	7410.0as	9705.0as	9950.0as	11620.0as
2245-2300	<b>Vatican Radio</b>	7305.0au	9600.0au	11830.0au	
2245-2345	<b>WYFR Okeechobee FL</b>	11855.0na			
2300-2315	<b>Vatican Radio</b>	7305.0au	9600.0au	11830.0au	
2300-2329	<b>Radio Canada Int'l</b>	5960.0am	9755.0am	11895.0am	13670.0am
2300-2330	<b>KSDA Guam</b>	11775.0as			
2300-2330 s	<b>Radio Norway</b>	11640.0as	11735.0sa	13805.0am	13830.0as
2300-2330	<b>BBC Asian Service</b>	3915.0as	5965.0as	6035.0as	6195.0as
		11955.0as	17790.0as		7110.0as
2300-2330	<b>BBC World Service</b>	5975.0am	6175.0na	9590.0na	9915.0sa
2300-2350	<b>Deutsche Welle</b>	5975.0as	6090.0as	7235.0as	9690.0as
2300-2350	<b>Radio Pyongyang</b>	11335.0am	11700.0am	13760.0am	15130.0am
2300-2356	<b>Radio Romania Int'l</b>	7195.0eu	9570.0na	11830.0na	
2300-2400	<b>Radio Australia</b>	9660.0pa	12080.0as	13755.0pa	15510.0pa
2300-2400	<b>Radio Bulgaria</b>	9485.0na	11720.0na		17795.0pa
2300-2400	<b>Radio Cairo</b>	9900.0am			
2300-2400	<b>Voice of Guyana</b>	3290.0do	5949.0do		
2300-2400	<b>All India Radio, Delhi</b>	7410.0as	9705.0as	9950.0as	11620.0as
2300-2400 t	<b>Radio Telefe Elreann</b>	9640.0sa			
2300-2400	<b>Voice of Hope, Lebanon</b>	11530.0me			
2300-2400	<b>NBC Windhoek, Namibia</b>	3270.1af	3289.9af		
2300-2400	<b>Nat'l BC, Papua NG</b>	3925.0do	4890.0do	9520.0do	9675.0do
2300-2400	<b>SBC Radio 1, Singapore</b>	6160.0do			11880.0do
2300-2400 w	<b>Merlin Network One</b>	9645.0eu	9780.0na	11985.0na	13690.0na
2300-2400	<b>VOA</b>	7215.0as	9705.0as	9770.0as	11760.0as
		15305.0as	17735.0as	17820.0as	15185.0as
2300-2400	<b>WRNO New Orleans LA</b>	7355.0na			
2329-2359	<b>Radio Canada Int'l</b>	5960.0am	9755.0am	13670.0am	
2329-2359 s	<b>Radio Canada Int'l</b>	11895.0am	15305.0am		
2330-2345	<b>BBC Asian Service</b>	5965.0as	6035.0as	6195.0as	7110.0as
		17790.0as			11945.0as
2330-2345	<b>BBC English Teaching</b>	3915.0as	5875.0as		
2330-2355	<b>Voice of Vietnam</b>	5940.0af	7270.0af	7400.0af	9839.9af
2330-2400 mtwhf	<b>KSDA Guam</b>	11775.0as			12019.3af
2330-2400	<b>Radio Netherlands</b>	6020.0na	6165.0na	9845.0na	15009.2af
2330-2400	<b>BBC World Service</b>	5975.0am	6175.0na	9590.0na	9915.0sa
2335-2345	<b>Voice of Greece</b>	9395.0am	9425.0am	11640.0am	11690.0am
2345-2400	<b>BBC Asian Service</b>	5965.0as	6035.0as	6195.0as	7110.0as
		17790.0as			11945.0as
2345-2400 mtwhf	<b>BBC Asian Service</b>	3915.0as			11955.0as
2345-2400	<b>BBC English Teaching</b>	5875.0eu	6110.0am	9825.0sa	11765.0sa
0000-2400	<b>CFCX Montreal PQ</b>	6005.0do			
0000-2400	<b>CFRX Toronto ON</b>	6070.0do			
0000-2400	<b>CFVP Calgary AB</b>	6030.0do			
0000-2400	<b>CHNX Halifax NS</b>	6130.0do			
0000-2400	<b>CKZN Saint John's NL</b>	6160.0do			
0000-2400	<b>CKZU Vancouver BC</b>	6160.0do			
0000-2400	<b>R. Voz Christiana, Chile</b>	21505.0va	21549.9va		
0000-2400	<b>Sunrise Radio</b>	5850.0va			
0000-2400	<b>United Christian BC, Ire.</b>	6200.0do			
0000-2400	<b>WJCR Upton KY</b>	7490.0na	13595.0na		
0000-2400	<b>WRMI Miami FL</b>	9955.0ca			
0000-2400	<b>WWBS Macon GA</b>	11910.0va			

Key: s - Sunday	am - Americas	af - Africa	do - Domestic
m - Monday	na - North America	me - Middle East	va - Various
t - Tuesday	ca - Central America	as - Asia	oc - Occasional
w - Wednesday	sa - South America	pa - Pacific	ir - Irregular
h - Thursday	eu - Europe	au - Australia	
f - Friday			lf - Lower Sideband
a - Saturday			uf - Upper Sideband

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