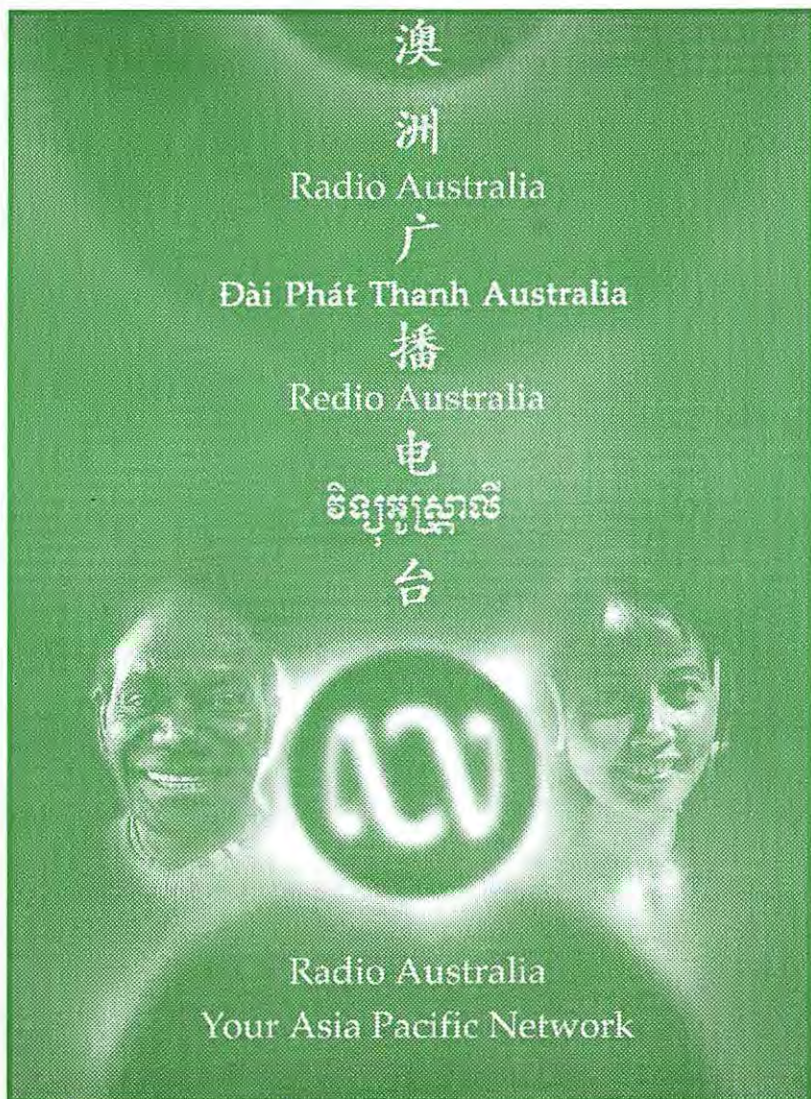


The **NASA** Journal

VOLUME XLII NUMBER 5

MAY 2002



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SP-31 Order #0694 \$99.95

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The Par BCST-HPF is designed to help shortwave listeners cope with interference from AM stations. This 7 pole elliptical high pass filter passes 1.8 to 200 MHz and notches out 0-1.7 MHz. The housing has an SO-239 jack for input and output and also has a toggle type bypass switch.

BCST-HPF Order #4426 \$48.95

The Par BCST-LPF is designed to help long wave DXers cope with interference from nearby AM stations above 540 kHz. Stop band is 540 kHz to 300 MHz. The housing has an SO-239 jack for input and output and has a bypass switch.

BCST-LPF Order #1143 \$48.95



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NASA Notes

Richard A. D'Angelo • 2216 Burkey Drive • Wyomissing, PA 19610 • rdangelo3@aol.com

Please note that **Bill Oliver** has a new electronic address exclusively for club related business. Please don't forget that all communications for NASWA Headquarters should be directed to our Publisher/Business Manger Bill Oliver at the new electronic address, naswa@worldnet.att.net, or to the familiar 45 Wildflower Road, Levittown, PA 19057 address.

The *NASWA Flashsheet* continues to grow. However, we are beginning to experience some growth problems as members change e-mail addresses and neglect to forward correct information. Therefore, "bounced" e-mail is the unfortunate results. Any member that signed up for the flashsheet but has not seen it recently should contact me immediately to straighten out the distribution list. For those of you that have not jumped on board, remember, you can get the latest hot DX news and information from the club's electronic flash sheet newsletter edited by **Sheryl Paszkiewicz**, spaszkiwicz@yahoo.com (or P.O. Box 716 Manitowoc, WI 54221-0152 for non-electronic submissions). The electronic newsletter supplements the monthly *Journal* for the timely dissemination of DX loggings and breaking news. It is only available to members. Deadlines are posted in the *NASWA Flashsheet*. If you are a current member of the club and want to receive the electronic *NASWA Flashsheet* just drop **Rich D'Angelo** (rdangelo3@aol.com) a note with your e-mail address.

After 14 years of preparing the monthly *Log Report A* column, **Sheryl Paszkiewicz** is stepping down as editor. I'm sure I speak for the entire club membership in thanking Sheryl for all those wonderful years of dedicated service. However, she will not be

disappearing from our clubs editorial team as Sheryl plans to continue as editor of the electronic *Flashsheet*. We are fortunate that a *NASWA* veteran, **Dan Ferguson**, has stepped forward to edit the column. Long time members will know Dan's work from his many years of valuable service to the club in a variety of capacities. Dan has done it all and we are very glad to have him back behind the keyboard editing for the *Journal*. Thanks Sheryl and welcome aboard Dan!


Looking for something interesting to do this summer while on vacation? Ever think about entering a listening contest? **Claudio Darío Perdomo** (Argentina) and **Frank Parisot** (France) have news about the Vacation BCL Contest 2002, which will run from 1 July 2002 to 31 August 2002. The aim of the contest is to listen to the most countries on shortwave from Africa as possible. See the *Calendar of Events* for the full details. Good luck!

With the summer nearing, TV and FM DXers will want to obtain a copy of the Worldwide TV-FM DX Association's *2002 WTFDA TV Station Guide*. The 2002 Guide contains over 400 pages of information such as location, call letters, radiated power, antenna height, direction, geographic co-ordinates, station status, programming source and a full array of useful maps. It was written and compiled by *WTFDA TV News* editor **Doug Smith**, W9WI. The price of the *2002 WTFDA TV Station Guide* is \$23.00 for members of ANARC affiliated clubs; \$25.00 for all others. Please write the name of your club on your check or money order. All checks and money orders must be made payable to club treasurer David Janowiak. Send your check or money order to: John Ebeling, 9209 Vincent Avenue, South Bloomington, MN 55431-2157

OUR MOTTO IS - "UNITY AND FRIENDSHIP"

Also, our member from "downunder", **Bob Padula** of the *Electronic DX Press*, has released issue number 13 of the A-02 print edition of the *Australian Shortwave Guide*. The guide contains over 1400 entries covering the summer (A-02) international shortwave transmission period commencing 31 March, and concluding on 26 October. It's 32 pages, in handy A5 format, and saddle stitched. It provides comprehensive information of English shortwave schedules to Australia, Asia, the Far East, the Indian subcontinent, and the Pacific and for broadcasts in all languages to Australia and the Pacific. The data is arranged in two sections, by studio country and starting time. Each entry shows broadcasting organization, frequency, starting time, finishing time, language, target area, transmitter site, transmitter coun-

try, studio country, and days of operation. The Guide will be mailed to Australian addresses for A\$10, which includes postage and packing. Airmail mailing, including postage and packing, to addresses outside of Australia is only US\$5.00. Payment can be by cash in any currency, Australian stamps, money order, postal order, check, or eight international reply coupons. Checks or orders must be in Australian currency and drawn on Australian banks, to yield ten Australian dollars. Checks in other currencies cannot be accepted. Orders and payment should be sent to Bob Padula, 404 Mont Albert Road, Surrey Hills, Victoria 3127, Australia.

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

Musings

This column provides a forum where members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are solely those of the submitters. Please submit all Musings to Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610 or via email: rdangelo3@aol.com.

John Beattie jebeat@earthlink.net

I've noticed the absence of logs from the West Coast! I've been a pretty active listener for the last three years or so, starting with a YB400, then upgrading to a Drake sw8, and just recently acquiring an R8B. I've been mostly into program listening in the past, but I have been chasing more DX with the R8B. When I have a chance to listen early in the morning, I've received some great Pacific and Asian stations. I'll have to start logging them (taking that next step and maybe going for some QSL) and posting to the flashsheet!

73!

James H. Jackson, 7131 Alger Road, Falls Church, VA 22042

BBC World Service is available 24 hours a day on XM Satellite Radio along with 99 other stations for \$14.99 initial hook up ... \$9.99 per month. Digital quality sound, etc. Hot Stuff! Of course there is the \$450 Sony XM satellite radio.

Contribute!

Send your loggings and QSL information off to our Distributing Editor, **Bob Montgomery** (Address: P O Box 1458, Levittown, PA 19058). He will forward them to the appropriate editor. Remember, Bob also distributes QSL report information and totals for the **Scoreboard** column. He can also be reached through the Internet at: RMonty3@worldnet.att.net.

Calendar Of Events

May 3-5, 2002 Annual General Meeting. The Danish Shortwave Club International will hold its **Annual General Meeting and DX Camp** at the Scout Camp Vardeborg on the weekend of May 3-5, 2002. The possibilities for DXing are ideal in the sand dunes at the West coast of Jutland. Further details later on.

May 17 Meeting. Philadelphia Area NASWA Chapter. Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831 or Internet: dcsckp@aol.com.

May 17 Meeting. Boston Area NASWA Chapter. The Lexington Club, Rts. 4 & 225, Lexington, MA at 7:30 PM. The location is 1/4 mile west of Rt. 128, Exit 31. For more information contact Paul Graveline at 508-470-1971 or Internet: 74007.3434@compuserve.com. The URL for the BADX guys is <http://www.anarc.org/naswa/badx/>

Jun 14 Meeting. The Cincinnati/Dayton Monitoring Exchange (MONIX) meet at the Lebanon Citizens National Bank on U.S. Route 42 in Mason at 7:00 PM. For more information contact Mark Meece at 513-743-8089 or e-mail at <radioscan@siscom.net>. For additional information about MONIX, check out their web site at <<http://www.siscom.net/~mmeece/monix.html>>

Jul/Aug'02 Contest. The Vacation BCL Contest will run from 1 July 2002 through 31 August 2002. Participants are to log as many African countries as possible on the shortwave bands. The sponsor, Klingenfuss, will offer a *2002 Shortwave Frequency Guide* and a CD Rom for the winners. Here are the details:

1. The aim of this contest is to listen to the most countries of Africa
2. Period from 1 July 2002 to 31 August 2002
3. You must log only one radio station by country
4. The contest is open to SWL, BCL, (radioecuteurs) from all the world
5. Frequencies: 2300 to 26000 kHz in AM
6. Only log broadcasting official stations (no pirates, clandestines, CB or Hams)
7. Points: 1 for each country
8. You do not need QSL cards for this challenge
9. You must send your list before 15 September 2002
10. You can send your list to the following address: Frank Parisot, P.O.Box 6, 92173 Vanves Cedex, France or via e-mail to the following frankparisot@hotmail.com
11. Example of list: DATE: 1 July 2002 / TIME UTC: 1900 / FREQ: 9580 / COUNTRY: Gabon / LANG: French / SIO: 454
12. List of valid countries: Please, relays are not valid for this contest, transmitters must be **only in AFRICA**. Algeria, Angola, Ascension Island, Benin, Botswana, Burkina Faso, Cameroon, Central African Republic, Chad, Comoros, Congo (Brazzaville), Congo (Kinshasa), Egypt, Eitrea, Ethiopia, Gabon, Ghana, Guinea Republic, Equatorial Guinea, Ivory Coast, Kenya, Lesotho, Liberia, Libya, Madagascar, Malawi, Mali, Mauritania, Mauritius Island, Morocco, Mozambique, Namibia, Niger, Nigeria, Senegal, Sao Tome, Sierra Leone, Somalia, South Africa, Saint Helen, Seychelles, Sudan, Tanzania, Tunis, Togo, Uganda, Zambia, and Zimbabwe.

Aug 16-18, 2002 Convention. The **European DX Council Conference** will be held from 16-18 August 2002 in the town of Pori, located on the west coast of Finland. Additional information about the conference will be made available through e-mail and newsgroups or can be obtained directly from Risto Vahakainu, chairman <risto.vahakainu@helsinki.fi>.

Oct '02 Radio Holiday Tour. David and Jocelyne Ricquish lead a radio holiday tour of the great cities of Latin America in October 2002. Plans include visits to many radio stations and meetings with local radio enthusiasts. The tour is designed for DXers, shortwave listeners and radio enthusiasts and all those that enjoy the music and culture of Latin America. The full itinerary and booking conditions can be found at the New Zealand Radio DX League website (<http://radiodx.com/spdxr/dxtour/htm>) or can be obtained from Latin American Radio Tour, P. O. Box 14339, Wellington, New Zealand (e-mail: ragusa@paradise.net.nz).

Mar 7-8, 2003 Convention. The 16th Annual Winter SWL Festival, sponsored by NASWA, will be held at the Best Western—The Inn at Towamencin (Kulpsville to the rest of us), located at Exit 31 on the Northeast Extension of the Pennsylvania Turnpike, on 7th and 8th March 2003. Richard Cuff and John Figliozzi co-chair the organizational committee. It's never too early to begin planning. See you there!

Members are invited to submit items to be included in this calendar to Rich D'Angelo (Internet: rdangelo3@aol.com) or Ralph Brandi (Internet: ralph@brandi.org).

FRENDX: Twenty Five Years Ago....

Frendx Fotos reappeared with pictures of four members including long time member Mike Agner. In his *Headquarters* column, Mac Leonhardt indicated *DX Hotline* would return as soon as a new editor is selected. Don Jensen reported the additions of the following countries effective when stations begin scheduled broadcasting: Monserrat, Guam and the Commonwealth of the Northern Marianas. Serge Neumann planned to create an informal group of Indiana DXers. ANARC confirmed that its next convention was to be held in Schaumburg, Illinois. In the *Shortwave Center*, Larry Magne wrote about the noisy Soviet Pulsar and Kim Andrew Elliott wrote about Radio Moscow scoring Radio Free Europe and Radio Liberty. In his *Listeners Notebook* column, Glenn Hauser informs members of his new *Review of International Broadcasting* bulletin. Bill Oliver noted another record with 118 countries being reported to *QSL Report* with the first verie from the Central African Empire reported.

NASWA

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

Please remember that the email address for NASWA is changing to naswa@worldnet.att.net. The old Earthlink address will remain open for a while until everyone is changed over.

Easy Listening

Richard D. Cuff • 42 North 37th Street • Allentown, PA 18104 • rdcuff@sprintmail.com

Lies, Damned Lies, and BBC World Service Audience Figures

It's paradoxically sad that the **BBC World Service** (BBCWS), widely respected for objectivity and completeness in its coverage of world affairs, fails miserably at communicating an accurate, telling picture of BBC World Service listening habits. On April 16th, the BBCWS released its latest audience survey statistics, dating from last July/August—after the cutbacks in short-wave broadcasting to North America and Australasia. Audience numbers worldwide fell from 153 million to 150 million. World Service management says this is due to a precipitous drop in the number of listeners in India. Among other critiques, **Radio Netherlands'** Media Newsdesk page noted that the BBC claimed an increased number of listeners in North America (up from 2.3 million to 2.9 million), and then goes on to point out shortcomings in the BBC's record of research.

Quoting from Ralph Brandi at the <http://www.savebbc.org> website,

*It seems necessary at this point to renew our criticism of the BBC's research, namely that it is more interested in **raw numbers of listeners** than in **listenership**. Our survey of local rebroadcasters makes it crystal clear that huge swathes of North America are uncovered or insufficiently covered by BBC's local partners. Our point-counterpoint page refutes every argument the BBC makes regarding the superiority of the audience gained through local rebroadcasts. The second question in particular takes them to task for the methods they use. The BBC appears to be more interested in counting listeners than listenership; someone who stumbles across *The World on**

their local public radio outlet counts just as much as someone who deliberately seeks out the BBC and listens for hours to their news, arts, and cultural programs.

It's probably a good idea to dash off another note to the Foreign & Commonwealth Office—which funds the BBCWS—to complain about the BBC's continuing cavalier use of statistics to justify its poor decisions. Meanwhile, the BBCWS has requested a £65 Million (roughly US \$95 Million) budget increase over the next three years. The \$750,000 required to fully restore short-wave is pocket change, by comparison to this request, and makes this so-called desire to save money look rather foolish.

Contact information on the British embassy in the US remains as follows:

Sir Christopher Meyer, KCMG
British Embassy
3100 Massachusetts Avenue,
Washington, DC 20008

As Canada is in the Commonwealth, you would need to contact the British High Commission, at the following:

Sir Andrew Burns
British High Commissioner
80 Elgin Street
Ottawa K1P 5K7

It might also be worth contacting the Foreign & Commonwealth Office complaints department; see URL <http://www.fco.gov.uk/directory/dynpage.asp?Page=364> for more information.

Details and background information remain available at the Save the BBC World Service website, <http://www.savebbc.org>.

Meanwhile, Radio Netherlands' Andy Sennitt had this to say regarding these announcements:

The details released by the BBC are bound to renew the debate over whether it was right to drop shortwave to North America and Australia. Clearly, on the basis of the published figures, the decision appears justified. The problem is that the figures alone don't tell the whole story. In its measurements, the BBC appears to make no distinction between someone who listens once a week to a nine minute BBC news bulletin relayed by a local public broadcaster, and someone who is committed to listening to a wide range of BBC output for several hours a day. The Coalition to Save the BBC World Service has repeatedly made this point over the last nine months.

The other factor which is not covered by naked statistics is the quality of the listening experience. Analogue shortwave is not a perfect medium, but it is inherently more reliable than temperamental Web servers that can't cope with demand every time there's a big story. Broadcasters can boast about how many people were connected—but what they don't mention is the frustration experienced by the many more who tried and failed to listen online. Many people were glad to have shortwave as a backup when they were unable to listen via the Web. That option having been removed, a lot of potential listening hours have been lost.

It remains the policy of Radio Netherlands to offer our listeners a choice of program delivery methods within the constraints of our resources. Our decision to take over some of the shortwave airtime relinquished by the BBC last July has enabled us to offer our North American audience a choice of listening in the morning or evening, and provides improved news and current affairs coverage to an audience hungry for a European perspective on the day's events.

Radio Netherlands' Dutch Horizons

For many years, one area that was particularly weak in Radio Netherlands' other-

wise-excellent coverage was their coverage of Dutch current affairs and cultural life. Since October 1999, **Dutch Horizons** has nicely filled that void. Program host and producer Bertine Krol recently provided some background information on this weekly feature:

Dutch Horizons aims to give listeners across the world an idea about life in the Netherlands. How we do things here and why. Program ideas come from the Dutch national and regional media, colleagues, friends, and from just keeping my eyes and ears open for interesting stories.

How do I select the topics worth coverage? I try to judge whether a subject might be interesting for a foreign audience. For instance, Dutch local politics generally are not, a new book with revelations about Anne Frank is. Some stories are simply a must: the first gay marriage, the new euthanasia law. The topic as such is not the only important factor, I also need to determine if a story would also make a good radio-story: it requires a good speaker, nice atmosphere etc. This is radio, not a newspaper story read aloud. [editor's note: Sure wish Eastern European stations could figure this out...]

Once I have gathered all the material I decide which reports fit nicely together into one program, to see if they're linked somehow. A nice bridge is always welcome. But with Dutch Horizons aiming to be a varied magazine, it doesn't really matter if the stories have nothing in common. Over its 3 ½ year run, the program's subject matter hasn't really changed, it's still varied (or at least I hope it is).

I then asked Bertine about upcoming topics we can look forward to:

That's a tough one. On the one hand I like to plan ahead, but on the other I also like to have a newsy peg to hang a story on, so to speak. This year there will be lots of events and celebrations here in the Netherlands to mark the birth of the Dutch East India Company v.o.c., four hundred years ago, and I will certainly cover some of those. I'll defi-

nitely play some Dutch jazz music soon, we'll look at the murder rate in the Netherlands (which remains reassuringly low, even if it has increased over the years). And although the Dutch are said to be stingy, they've been spending it all too eagerly lately. It seems many Dutch are getting deeper and deeper in debt. Hope this has whetted your appetite...

I was also interested to understand Bertine's take on the importance of audience feedback to her work:

I don't actively seek listener feedback, though feedback is always welcome and indeed very much appreciated. I love making this program, but it's not the Bertine Krol Show. I always keep the listeners in mind; I have received quite a lot of letters and emails over the past couple of years and I try to answer all questions put to me. All reactions are of value, positive or negative. The highest volume of feedback happened a little over a year ago, when I did a special on Dutch country & rock singer Ilse Delange, who at the time had just finished her second album, and the letters and emails kept pouring in for months after. Most of them from the US and Canada, and all of them extremely positive... (so we can safely assume Ilse's record company Warner Brothers has made a big mistake by releasing her albums in Europe only).

Dutch Horizons airs to North America at the following times:

Sundays, 1130 and 1500

Mondays, 0000 and 0500

Wednesdays, 1100, 1530

Thursdays, 0030.

You can direct correspondence to Bertine via the RNW feedback address, letters@rnw.nl.

VOA Revises NewsNow Format

I wandered over the VOA NewsNow webcast feed recently, and discovered a revamped NewsNow schedule was launched on April 8th.

NewsNow broadcasts a full news summary at one minute past every hour, 24 hours a day, 7 days a week. VOA NewsNow also broadcasts news headlines at half past every hour. Most hours have expanded news and in-depth coverage and analysis of the events and issues of the day.

The new format, launched April 8, 2002, also expands coverage of business and economic news, sports and American subjects.

The weekday schedule:

Sportscasts are at 23 minutes past most hours.

Business and economic news can be found throughout the program, but particularly after the news headlines at half past 01, 03, 05, 07, 11, 15, 20 and 23 UTC.

The **Dateline** documentary will expand and move to 45 minutes past those same hours.

A new segment, **Focus**, will put one of the day's top stories in perspective, at 15 minutes past 00, 02, 06, 10, 12, 14, 16, 18 and 22 UTC.

The new program for American coverage, **Coast To Coast with Dave Arlington**, is on Mondays through Fridays after the headlines at half past 00, 12, 14, 16 and 18 UTC. (Plus 00 Saturdays for Latin America.) This will be home for all kinds of American topics, including their popular science coverage. Later this year, watch for the premier of another new program!

Listen for the new **Opinion Roundup** at 55 minutes past 00, 07, 12, 15 and 17 UTC. Those of non-American citizenry can add their views via opinion@voanews.com.

Talk to America will continue live, Mondays through Fridays, at 17 UTC, on radio, television and the Internet, and non-American participation is welcomed. **Talk to America** will now also be repeated on radio and Internet at 08 UTC. More information is at <http://www.voanews.com/talk>.

Music from the **VOA Music Mix Network** airs at 09, 13, 19 and 21 UTC. At 19 UTC it's **Border Crossings**. The other hours Music programs rotate as follows:

Mondays—**American Gold** with Ray Freeman

Tuesdays—**Roots & Branches** with Katharine Cole

Wednesdays—**Classic Rock** with Ed Kowalski

Thursdays—**Top 20** with Ray McDonald

Fridays—**Country Hits** with Mary Morningstar

I'll have the weekend schedule next month.

BBC World Service Highlights

Despite their boneheaded heavyhandedness regarding shortwave usage, the BBCWS still airs some of the highest quality programming on any medium.

For example, **Heritage**, Malcolm Billings' historic conservation series, returned for a five-week series of new programs as of May 3rd (0130 UT). The first program in this new series comes from Lower Manhattan, and focuses on historic building conservation efforts necessitated by last September's terrorist attacks. Repeats air Mondays 1530;

other editions visit the Forbidden City in Beijing and Cairo's Egyptian Museum.

Another interesting schedule change sees some **BBC World Learning** features incorporated in the Americas schedule. Two different series run concurrently, with one series airing Tuesdays 0330, the other Fridays 0330. The Tuesday series is **What Is Civil Society?** through May 14th; **Peace Rhythms**, focusing on the role of music as a tool for healing and development. The Friday feature is **Chance To Dance**, interviewing teachers and young students at The Royal Ballet in London.

Discovery begins a four-part series of single-topic documentaries on scientific research in May entitled **Frontiers**. Topics will include the biology of addiction and new discoveries from the Hubble space telescope. **Discovery** airs Thursdays 0105 and Fridays 1505.

Also, here's advance word that **Poems By Post** will be returning to the schedule in June; presenter Michael Rosen commissions leading actors and actresses to read listener requests. You can e-mail your requests to poems.by.post@bbc.co.uk or, use the usual postal and fax addresses.

In Conclusion

It was great meeting many NASWA members once again at the Winter SWL Festival in March; please pass along your program listening suggestions via one of the methods shown at the beginning of the column. Until next month,

73 DE Richard



WWW Shortwave Listening Guide

Looking for programs to listen to? You can find what programs are on for the current hour or list programs of a desired type on a given day at the **www Shortwave Listening Guide** on NASWeb. The data is provided by **NASWA Journal** and **Monitoring Times** columnist John Figliozzi, and comes from his book, *The Worldwide Shortwave Listening Guide*. Visit the Guide at <http://www.anarc.org/naswa/swlguide/>.



Shortwave Center

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Digital Audio Broadcasting— An Australian Overview

By Bob Padula, February 2002. Reprinted with permission from Electronic DX Press. (Continued from the April, 2002, NASWA Journal.)

7. Denmark To Increase Coverage

On Jan-29, Denmark's Tele Danmark received government approval for the final phase of transmitter rollout that will bring 100% DAB Digital Radio coverage to the country. Currently, coverage stands at 30% of the population. A national network of transmitters is due to roll out this year increasing coverage to 75% by August 1, 2002, building to 100% by March 2003.

National public broadcaster, DR, plans to introduce a wide range of new programming, which will be unique to DAB Digital Radio. Listeners will be able to tune in to several youth music channels, a jazz channel, a children's channel, and services offering news and traffic information.

First to benefit from DR's upgrading of transmitters will be Copenhagen, the location of this year's WorldDAB Forum, October 10/11. For further information contact Ms Karen Marie Zeuthen at <mailto:MZ@dr.dk> or visit <http://www.dr.dk/dab/> (Danish). An English version of this web site will be available very soon. (WorldDAB Forum)

8. Korea Begins Testing

A pilot DAB service using the Eureka 147 standard begins testing in Korea in February. The Korean Broadcasting System (KBS) received approval last year from the Ministry of Information and Communication

for a five-month trial, after which the MIC will decide whether Korea will adopt the Eureka 147 standard. The MIC hopes to begin official Digital Radio services in 2003, and has set up a committee to look at the legal aspects of introducing Digital Radio services and examining ways of activating DAB related industries. (WorldDAB Forum)

9. Singapore Launches Multimedia On SmartRadio

MediaCorp Radio Singapore has launched new and innovative multimedia programming for its DAB service, SmartRadio. With SmartRadio, listeners can view up-to-the-minute information including news, traffic reports, airport flight information, entertainment news and an events guide, all in the easy-to-read, familiar style of a website browser.

For more information about DAB in Asia please contact Ms Pearlynn Pek at the Asia DAB Committee of the World DAB Forum: mailto:pearlynn_PEK@asiadab.org or visit <http://www.asiadab.org/> (WorldDAB Forum).

10. A "Chorus" Of Approval For DAB

On Jan 17, at a London forum for manufacturers organised by Digital One, a new fabless semiconductor company, Frontier Silicon, announced the availability of the Frontier Chorus FS1010, a single-chip DAB/Audio processor based on the licensed META DBX-1 design from Digital One and Imagination Technologies. Production quantities of the new processor are planned for March, and Frontier expect the sub-£100 digital radio to be available the second half of 2002.

The forum was designed to highlight the trends and opportunities presented by DAB Digital Radio following indications at the end of last year that the medium was ripe for mass market adoption. Digital One's aim was to share this information and give encouragement to current and future manufacturers.

Among those attending the forum were more than 40 senior executives from Alpine, Arcam, Atlantic Technology, Audio Partnership, Dixons Stores Group, Hitachi, Imerge, JVC, Kenwood Electronics, LG Electronics, Linn Products, Mercedes-Benz, MG Rover Group, Mitsubishi Electric, Modular Technology, Pace Micro Technology, Psion Digital, Quad, Wharfedale, Bosch, Roberts Radio, Samsung, Sanyon, Sharp UK, Toyota, and TTP.

The event was oversubscribed, and Digital One is planning to host a second forum elsewhere in Europe later this Spring.

¶ For the full press release on the new Frontier Silicon chip, go to http://www.worlddab.org/pressreleases/Frontier_Silicon02.pdf

¶ For more information on the London Forum, please contact the Mr Kevin Franklin at <mailto:kevinfranklin@digitalone.co.uk> (WorldDAB Forum)

11. Slovakia Draws Up Plans

Slovakia received government approval for DAB Digital Radio using Eureka 147 in June 2000. This year, the Research Institute of Posts and Telecommunications is expected to submit to the government, a document outlining the strategy and technical criteria necessary for the implementation of T-DAB. Regular DAB transmission in the L-band is planned for 2006 in the western part of the country. (WorldDAB Forum)

12. Sweden Lobbies Brussels

Representatives of Swedish Radio's Board of Governors travel to Brussels in March

to discuss DAB Digital Radio with the EU Commission, and then go on to Geneva for talks with the EBU. Digital Radio in Sweden is undergoing a change in dynamics following a cut in DAB services to 40%. (WorldDAB Forum)

13. Isle Of Man 3G/DAB Trials

Trials are currently underway on the Isle of Man, off the UK coast, to test the possibilities of convergence of both 3G and DAB. Partners mm02, Virgin Radio and Crowncastle International have developed the network, while Unique Interactive and XY Networks are supplying data facilities on 3G/DAB and DAB only platforms.

A carefully selected closed user group on the Isle of Man has been given 3G handsets and Psion WaveFinders so that public reaction to audio and data services over both DAB and 3G can be assessed. Six services are currently available, five from Virgin Radio and the local Manx Radio service. An additional Manx audio service is to be added to the trial this Spring.

Please contact Mr Peter Dews <mailto:Peter.Dews@crowncastle.com>) for more information on the trials taking place in the Isle of Man. (WorldDAB Forum)

14. CET's Visual Radio DAB Receiver Card

CET Technologies Pte Ltd from Singapore launches an enhanced Visual Radio (VR) DAB receiver capable of receiving both DAB Eureka 147 and proprietary Conditional Access (CA) DAB broadcasts in VHF Band III and L-Band, in the first quarter of this year. Please contact Ms Pearlynn Pek for more information mailto:perlyynn_PEK@asiadab.org (WorldDAB Forum)

15. "What's New For Radio?" WorldDAB Technical Committee Workshop

band spectrum. (WorldDAB forum)

17. Russia

Network Service Co. now offers high-quality digital radio broadcasting in digital TV format (DVB-S). Programming from various radio broadcasting stations is retransmitted via ground-based facilities, radio networks, cable TV networks, and direct-to-home systems. High-quality stereo digital programs are available using a parabolic 90-120 cm antenna across all of Russia, the CIS and former Soviet Republics. (Intersputnik Today via ABU)

18. Acknowledgments

WorldDAB Forum; Asia Pacific Broadcasting Union; Australian Broadcasting Authority; Australian Communications Authority AMT (Australia); Intersputnik Today

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(The author is a Chartered Professional Engineer, holding the rank of Member, Institution of Engineers Australia)

Electronic DX Press. Please refer to the EDXP Web site at <http://clix.to/edxp> for all necessary details about the EDXP.

Changes at the Voice of Nigeria

From allAfrica.com, via Sergei Sosedkin-CAN, BC-DX March 25, 2002

VON to Commence Igbo, Yoruba Services Soon.

In its sustained efforts to widen its listenership both locally and internationally, Voice of Nigeria (VON) plans to commence broadcasting in the Igbo, Yoruba and Ge languages before the end of June this

year. This is in addition to its existing six-language broadcasts in English, French, Hausa, Fufudi, Kiswahili and Arabic.

VON's Director General, Mr Taiwo Allimi, who disclosed this, said the organisation was fully prepared for the three additional language services, having already re-engineered three of its super power transmitters.

He told a select group of media representatives at an interactive session

in Lagos that, to enhance the viability of the nine-language services, two other transmitters are currently being re-engineered, adding "with time, five transmitters will be running, one of which will be on stand-by during maintenance and another will be dedicated solely for the new languages' broadcasts".

Allimi also hinted that, before the end of May, VON will have developed its own website to project the best of Nigeria's cultural heritage.

The Director General, who was appointed about three years ago, said VON was almost moribund by the time he took over, adding "our mandate was to revive the organisation and make it the most effective and enduring instrument that will continue to expose the value of democracy and the developments in the country to the outside world." He said towards this, he had been able to put a lot of structures on the ground.

For instance, Allimi said, he realised early enough that if VON is to cover Nigeria effectively to the outside world, it would not do to sit down in Lagos and Abuja alone,

adding "this was why we started to open zonal offices in Gombe, Calabar, Sokoto and Ekiti."

He said the same goes for the coverage of Africa to the world, pointing out that "we can't sit down in Nigeria and say we are covering Africa, and we have opened a bureau in South Africa."

The VON boss said global broadcasting must promote world peace, development, universal understanding and world friendship.

He said with this in mind, VON would not cover any conflict from the perspective of conflict alone but also from the perspective of efforts geared towards finding solution to the conflict.

He acknowledged the support of president Olusegun Obasanjo and Minister of information and National Orientation, Prof. Jerry Gana as well as the Ministry of Foreign Affairs to VON since he took over and pledged to sustain the new VON's status of the "sole broadcaster of Nigerian viewpoints by radio to the outside world.

Station Profile: Everest Radio

The First Nepalese Community Based Commercial Radio Broadcast

By Richard A. D'Angelo

The post-Cold War era has changed the face of international shortwave broadcasting. No longer the sole domain of governmental organizations, "modern" day international shortwave broadcasting involves numerous complicated broadcasting and relay arrangements with many organization having an opportunity to reach an international audience through the use of shortwave transmitter rental agreements that have become a standard item in today's environment. One such shortwave broadcaster was the fleeting Everest Radio headquartered in London.

Everest Radio was the first Nepalese community based station in England to broadcast to an overseas audience. It began shortwave operations in April 2001. Its programs consisted of news about Nepal, local community activities, interviews with local and visiting guests from Nepal, greetings, musical dedications and requests, a travel guide to Nepal, letters and Nepalese musical features. The station operated through the facilities of Radio Austria International's Moosbrunn transmitter using 100 kilowatts of power on a frequency of 7,235 kHz from 2100 to 2200 UTC four days a week, Saturday, Sunday, Monday and Tuesday broadcasting programs for Nepalese living in the United Kingdom and Western Europe. Consequently, it was well heard throughout Europe and many parts of the world.

Everest Media Services was the sponsoring organization behind the operation. Everest Times London ("ETL") were the producers of the radio programming. One of the key contacts was Bijaya Thapa who was a member of the three person Board of Directors. In fact, many members of the Thapa family were listed as active participants in this project providing services in many areas such as business administration, public relations, program presenters, and website support. Everest Radio tried to be self-sustaining by offering to sell advertising and sponsorships. By sponsoring a 15-minute program block, the purchaser received four 30 second advertisements and cost £150. There were many other package offering but they were unable to raise enough funds to continue operations. Unfortunately, long-term financial interests could not be sustained to enable Everest Radio to continue program and broadcast operations.

The station attempted to get some community support through the formation of the ETL Listener's Club. The ETL issued membership cards to anyone willing to join the listener's club for £15 per year. ETL claimed that 10% of the membership charge would be forwarded to a well-known, but not named, Nepalese community charity in the United Kingdom. Members received the opportunity to participate in a lucky draw and were entitled to receive special discounts on various events organized by ETL. Membership was open to the Nepalese community and friends of Nepal.

The station's objectives were many. Primarily, Everest Radio sought to inform the Nepalese Community around the world about the activities in Nepal and overseas. The station sought to create harmony and mutual understanding between Nepalese residing around the world with other members of the community. Also, it wanted other people to know about Nepal and its culture in order to contribute to the country's promotion of tourism. In addition Everest Radio created a platform to exchange ideas between Nepalese around the world and provided

entertainment to the Nepalese community and friends. Finally, the station tried to encourage foreign investment in Nepal. Due to its short life as an international broadcast entity, it would be difficult for Everest Radio to claim any successes in these endeavors.

Everest Radio was an excellent verifier of listener reception reports during its brief tenure on shortwave radio. Accurate reception reports with return postage were promptly verified with a partial data "Top of the World" card featuring a beautiful picture Mt. Everest (8,848 meters) from verie signer Kumar Thapa (another member of the Thapa family circle), Director, Editorial and Programming. If you have a report that you neglected to send, you can try reaching the station at:

Everest Radio

226 Greenford Avenue

Hanwell

London W7 3QT

England

In early February 2002, word reached the international shortwave community that Everest Radio discontinued its transmissions via the Moosbrunn, Austria broadcasting facilities due to budgetary problems. Although it had a short life as an international broadcast station, Everest Radio was a little different. Whether the station returns once again to the airwaves is anyone's guess but the commercial nature of international shortwave broadcasting has always been a difficult proposition. Clearly, a sponsoring organization with deep pockets is necessary to secure a reliable, long-term source of funding of station operations. Nevertheless, Everest Radio can still be heard on air in the United Kingdom, Ireland, Europe, Saudi Arabia, Qatar and around the world through the worldwide web through its website .

Scandinavian Weekend Radio!

Via Bruce Barker

Our new QSL card series

We have made a series of new QSL cards. Take a look at:

<http://www.swradio.net/fin/images/QSL_2002_1_2_A_C.jpg>

to find out the first of them, which are available right now. More are to come in the autumn of 2002. There will also be a special X-mas QSL, but you will have to report to us to see it. Collect them all! And please remember to enclose two IRCs with your report. (Remember to have it stamped correctly!). Alternately enclose \$2 US or 2 EUR for return postage. You may also want to print out and use our new reception report form (in PDF format).

SWR is on the air on the first Saturday of the month, 24 hours, starting at 00:00 local (+2 UTC). We publish our programme schedule on the Web page one week before transmission. Our telephone number during transmissions is +358 400 995 559. There is also a FAX number in use during transmissions +358 3 475 5776. Also SMS messages are welcome.

Mail address is:

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<www.swradio.net>

Best regards from Dj Madman SWR



Listener's Notebook

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THANKS THIS MONTH to the indefatigable Glenn Hauser for the lion's share of our news!

ANGOLA *Radio Nacional*, Luanda is new on 7216.8, ex-7245. French 2000, English 2100. (Vaghjee-MAU + Seager-AUS/hard-core-dx via DX Listening Digest/Hauser-OK)

Radio Ecclesia, 6100 from 1900 to 2000, via Meyerton, South Africa. (Andre du Toit-RSA/hard-core-dx via DX Listening Digest/Hauser-OK)

ARGENTINA 4759.6h *Radio Nacional*, (harmonic) 0250-0256 Apr 14, Spanish, ads, ID "Nacional," pgm // 870 MW. (Barrera-ARG)

AUSTRALIA New frequency for *Radio Australia*, 2330 UT Mar 30 in English, is 15230, no longer on 15240. Remember when 15230 was a frequency of VLH/VLR Melbourne? (Hambly-AUS/DX Listening Digest/Hauser-OK)

English schedule:

0000-0030	9660 12080 15240 15415 17580 17775 17795 21725
0030-0130	9660 12080 15240 15415 17580 17750 17775 17795 21725
0130-0200	9660 12080 15240 15415 17580 17750 17795 21725
0200-0400	9660 12080 15240 15415 15515 17580 17750 21725
0400-0430	9660 12080 15240 15415 15515 17580 21725
0430-0500	9660 12080 15240 15415 15515 17580 17750 21725
0500-0530	9660 12080 15240 15415 15515 17580 21725
0530-0700	9660 12080 15240 15415 15515 17580 17750 21725
0700-0800	9660 12080 15240 15415 17580 17750 21725
0800-0830	5995 9580 9710 11880 12080 15240 15415 21725
0830-0900	5995 9580 9710 11880 12080 15240 15415 17750 21725
0900-0930	9580 11880 15240 21820
0930-1100	9580 11880 15240 17750 21820
1100-1130	5995 6020 9475 9580 11650 11880 12080 15240 21820
1130-1200	5995 6020 9475 9580 11650 11880 12080 21820
1200-1330	5995 6020 9475 9580 11650 11880 21820
1330-1400	5995 6020 9475 9580 11650 11660 21820
1400-1530	5995 9580 11650 11660
1530-1700	5995 9475 9580 11650 11660

1700-1800	5995 9475 9580 9815 11880
1800-1900	6080 7240 9475 9580 9815 11880
1900-2000	6080 7240 9500 9580 9815 11880
2000-2100	9500 9580 9815 11880 12080
2100-2130	7240 9500 9580 9660 11880 12080 17715 21740
2130-2200	7240 9660 11880 12080 17715 21740
2200-2300	13620 15230 17715 17795 21740
2300-2330	12080 13620 15230 17715 17795 21740
2330-2400	11695 12080 13620 15230 15415 17715 17795 21740

GRANDSTAND *Radio Australia's* weekend sports program, Grandstand, is broadcast on English frequencies from 0210-0700 UT on Saturday and Sunday on 9660, 12080, 17580 and 21725 kHz. (via John Figliozzi, April 12, DX Listening Digest/Hauser-OK)

Voice International, Darwin now running Australia-produced programming, with English 1000-1100 on 13685 to China, and Indonesian heard on 15365 at 1026 with "Suara Internasional" ID in between DJ banter and pops. Also heard Mandarin on 13775 at good level at 1030, so now seem to be running at full steam (Matt Francis, Canberra, 31 March, ARDXC via DX Listening Digest/Hauser-OK)

Schedule:

0430-0500	Indonesian	21680
0530-0600	Indonesian	21680
0900-1300	Indonesian	15365
0900-1400	Mandarin	13775
0930-1000	English	17645
1000-1100	English	13685
1100-1700	English	13635
1300-1700	Indonesian	13660
1400-1700	Mandarin	17560

(Mark J. Fine, Remington, Virginia, USA, DX Listening Digest/Hauser-OK)

AZERBAIJAN Schedule of External Radio Service as from March 31, 2002.

0215-0300	Azerbaijani	6110
1000-1100	Persian	6110
1100-1200	Turkish	6110
1200-1230	German	6110
1230-1300	French	6110
1300-1500	Azerbaijani	6110
1500-1600	R Liberty	6110
1600-1700	Arabic	6110
1700-1730	English	6110
1730-1800	Russian "Voice of Azerbaijan"	6110

(Arzu Abdullayev-AZE, root@aztv.baku.az via Mike Bethge, Germany, WWDXC, Apr 6 via BC-DX via DX Listening Digest/Hauser-OK)

BULGARIA For A-02, the *Radio Varna* program "Hello Sea"/"Zdravey more" in Bulgarian will be on air 2100-2400 Su and 0000-0300 Mo on 9800 Varna 100 kW / non-directional.

English programs of *Radio Bulgaria* for A-02 are listed:

0200-0300	9400 11700
1100-1200	15700 17500
1900-2000	9400 11900
2100-2200	9400 11900
2300-2400	9400 11700

(Radio Bulgaria Monitoring/EDXP/Padula-AUS)

BRAZIL *Radio Gaucha* schedule:

0900-0400	6020-ZYE 850
0900-0300	11915-ZYE 851

website: <http://www.clicRBS.com.br> (Samuel Csoio, Brazil, Mar 18, DSWCI DX Window Mar 27 via DX Listening Digest/Hauser-OK)

CANADA *CFRX* 6070 is temporarily off the air with transmitter problems. Basically the shortwave transmitter is an "engineer's toy" and if something goes wrong with it they fix it whenever they get a chance and have the budget. 73 de (Bob VE3SRE Chandler, April 14, ODXA via DX Listening Digest/Hauser-OK)

CHINA *Voice of the Strait* (Haixia zhi Sheng) 6115 // MW 666 *Voice of Strait* (Haixia zhi Sheng), English segment on Friday and Sunday at 0930-1000* UT [not 0900-]. (Roland Schulze, Philippines, Mar 22/24, BC-DX via DX Listening Digest/Hauser-OK)

Frequency changes for *China Radio International*:

1030-1127	Indonesian	11700 (ex-11955)
1100-1127	Esperanto	9590 (ex-11925)
1130-1157	Burmese	9590 (ex-11825)
1200-1257	Cantonese	17680 (ex-11965)
1200-1257	English	9730 (ex-9715)
1200-1357	English	11760 (ex-11675)
1400-1457	English	DEL 11825
1600-1627	Turkish	11740 (ex-9570)
1600-1657	Arabic	15125 (ex-13685)
1700-1727	Swahili	11640 (ex-13685)
1700-1757	English	15205 (ex-15265)
1700-1757	English	DEL 9670
1730-1827	Hausa	11640 (ex-15550)
1800-1857	German	11650 (ex-11900)
1800-1857	Farsi	DEL 11740
1830-1857	Farsi	DEL 11880
1830-1927	Arabic	15125 (ex-15550)
1900-1957	English	DEL 11750
1930-1957	Portuguese	11640 (ex-11735)
1930-1957	Portuguese	15125 (ex-15550)
1930-1957	Turkish	DEL 9680
2000-2057	Mandarin	DEL 11750
2000-2127	English	11640 (ex-11735)

2000-2127	English	13630 (ex-13640)
2030-2127	French	DEL 11760
2100-2157	Arabic	DEL 11750
2130-2227	French	12015 (ex-11760)
2300-2357	English	13680

(Ivo and Angel! Observer, Bulgaria, April 16 via DX Listening Digest/Hauser-OK)

Apparently CRI has made up its mind. It was on the 9570 Cuba relay for quite a while. A few weeks [ago?] I found it on 9580. Then it would alternate, one day 9570, next day 9580. Couple times 9580, then 9570. So far its's 9580. It's been poor to fair. Splash from 9575 Arabic (Bob Thomas, CT, Apr 19, DX Listening Digest/Hauser-OK)

CHINA—TAIWAN *CBS Radio Taipei International*

1. Variety Network One (Chinese)

0000-0200	11645 11885 15245
0400-0600	11645 11985 15060 15430
0400-0600	11730 15330 15350 Sa/Su
0600-0800	11645 11730 15330 15350 Sa/Su
0800-0900	6085 11645 11730 15330 Sa/Su
0800-1500	6085 Mo-Fr
0900-1000	11645
0900-1000	6085 7415 11645 Sa/Su
0900-1700	7415 Mo-Fr
1000-1100	11645 11665
1100-1400	11615 11645 11665
1400-1500	11640 11665
1500-1700	11640 11665 15265
2230-2400	6150 11885 15245

2. Variety network Two (former Voice of Asia) (Chinese)

0200-0300	11875
0400-0600	11795
0900-1100	9280
1048-1100	7445
1300-1500	7445

3. News Network (Chinese)

0000-0100	9640
0100-0200	11905
0200-0500	11905 15290
0300-0700	15215
0700-0800	9680 15215
0900-1100	7380 9640 9680 15395
1100-1200	7380 9610 9640 9680 15395
1200-1300	7380 9640 9680 15395
1300-1700	7380 9640 9680
2200-2230	5950-WYFR 11635 15440-WYFR
2230-2300	5950-WYFR 9640 11635 15440-WYFR
2300-2400	5950-WYFR 9635 9640 11635 15440-WYFR

4. Mainland Network ("Date with Taipei" features program)

0600-1000	11795
1400-1800	7395 6050
2300-0300	9660

[includes WYFR relays to Americas]

5. Dialect Network		
0000-0100a	Hakka	5950
0000-0100a	Amoy	15440 11875
0100-0200a	Cantonese	5950 7520 15290 15440
0100-0200b	Amoy	11875
0200-0300b	Cantonese	11855
0300-0400b	Hakka	11855
0300-0400a	Cantonese	11740
0500-0600b	Cantonese	5950 9680 15320 15580
0600-0700a	Amoy	15580
0700-0800b	Amoy	15580
0800-0900a	Amoy	11715
0900-1000b	Hakka	15465
1000-1100	Mongolian	11985
1000-1100a	Amoy	11605 15465
1000-1100b	Hakka	6105 6145
1000-1100a	Cantonese	9610 9780 11635 15525
1100-1200b	Cantonese	9780
1100-1200a	Hakka	11635 15465
1200-1300a	Cantonese	11915 6145 6105
1300-1400b	Amoy	11635 15465
1300-1400b	Hakka	1206 9780
1300-1400b	Cantonese	11915 6145 6105
1300-1400	Tibetan	9540
1400-1500a	Hakka	11915 6145 6105
1700-1800a	Hakka	11875

a=Program A, b=Program B

6. External Network: * Skelton-UK, # WYFR Florida, @ Issoudun-FR

0100-0200a	Japanese	15310
0100-0200	Chinese	17845#
0200-0300	Spanish	15215# 17845#
0200-0300a	English	11740 9680# 5950# 15320 15465
0300-0400	Korean	15465
0300-0400b	English	5950# 9680# 11875 15320
0400-0500	Chinese	5950# 9680# 15320 11855
0400-0500	Spanish	11740#
0500-0600	Burmese	15405
0600-0700	German	9355#
0600-0700	Spanish	5950#
0600-0700a	Thai	15405
0700-0800a	English	5950#
0700-0800	French	9355#
0800-0900a	Indonesian	15580
0800-0900b	Japanese	11605
0900-1000	Chinese	9610 11605 9780 11520 15525
0900-1000	Vietnamese	11635
0900-1000	Russian	11985
1000-1100a	Indonesian	11550 11520
1100-1200b	Indonesian	11550 11520
1100-1200a	Japanese	7130 11605
1100-1200a	English	11985a 7445b
1200-1300	Chinese	15465 9780 11605
1200-1300a	English	9610 7130

1200-1300	Korean	9540
1200-1300b	Indonesian	7445 11635
1300-1400b	Japanese	7130 11605
1300-1400	Russian	15665 11745
1400-1500	Korean	9540
1400-1500a	Indonesian	11745
1400-1500a	Thai	11635 9485
1400-1500a	English	15265
1500-1600b	Thai	7445
1500-1600	Burmese	9595
1500-1600	Vietnamese	11915
1600-1700	Arabic	11955
1600-1700a	English	11550
1700-1800	Russian	9955
1700-1800b	English	11550
1800-1900	German	9955
1800-1900	Arabic	11610
1800-1900b	English	3955
1800-1900	French	17750#
1900-2000	German	6175
1900-2000	French	6145
1900-2000	Chinese	9955 15600 17750
2000-2100	Spanish	18930#
2000-2100	French	9955 15600#
2100-2200	Spanish	9955
2100-2200	German	15600# 11565#
2100-2200	Chinese	3965@
2200-2300a	English	15600#
2200-2300	French	12060@
2200-2300	Vietnamese	9635
2200-2400ab	Thai	7445
2300-0000	Spanish	15130# 17805#

a=Program A, b=Program B

(Miller Liu, Taiwan, April 22, DX Listening Digest/Hauser-OK)

CLANDESTINE—ASIA *Voice of Free Jammu and Kashmir / Azad Kashmir Radio* I expected the daylight saving time of +6 UTC in PAK to change the sked time. But VOFJ&K remains on the old sked. 1300 s-on on 5101. English at 1400. As I type this I am listening to it at 1416. At 1430 5101 went off and the transmitter is now on 4791. It also appears that Azad Kashmir R is sticking to the old sked. However on 12/4 when I check 4791 at 1730 it was not there. So maybe they have curtailed transmissions and s-off time is keeping with the new times (Victor Goonetilleke, Sri Lanka, 4S7VK, DXplorer via BC-DX via DX Listening Digest/Hauser-OK)

CLANDESTINE—MIDEAST *Radio Payem-e Doost* broadcasts on 7480 kHz between 1800-1830 Mo/We/Fr in Farsi. Website: <http://www.bahairadio.org>, postal: Payem-e Doost, P.O. Box 765, Great Falls, Virginia 22066, USA (G. Hardenmark, Sweden, Mar 11, 2002 for Clandestine Radio Watch April 8 via DX Listening Digest/Hauser-OK)

New schedule for *Voice of Iran* in Farsi:

1530-1730	17510
1630-1730	15740

(Observer, Bulgaria, April 9 via DX Listening Digest/Hauser-OK)

Radio Sedaye Iran is lately, including today April 10, heard on 15770 kHz with a very wide Iranian jamming at 1630-1730. (Erik Koie, Copenhagen, Denmark, DX Listening Digest/Hauser-OK)

9710 Radyo Avaye Ashena = Radio Familiar Voice, 1000-1100 Sun via Sitkunai, heard on April 7th. New program (Mauno Ritola, Finland, Apr 7, 14, Cumbre DX via DX Listening Digest/Hauser-OK) Website: <http://www.avayeashena.com/> (Ed. Hans Johnson, Cumbre DX Apr 15 via DX Listening Digest/Hauser-OK)

The Assyrian Democratic Movement, ZOWAA, has confirmed that the unidentified "clandestine" on 9155 kHz is "their" station - "**Ashur Radio**" as they call it. According to ZOWAA, this station has been broadcasting towards Northern Iraq on 9155 kHz already since April 2000. The program is on the air 2h daily (currently approx. 1700-1900), mainly in Assyrian (two dialects) with some programs in Arabic. Kurdish is not used. The station can be reached at info@zowaa.com Mauno Ritola, Finland, was first to receive an email QSL. It might be of interest that the zowaa.com domain is registered in Sweden (Bernd Trutenau, Lithuania, April 25, DX Listening Digest/Hauser-OK)

Voice of Komala in Kurdish and Farsi heard with a new summer time schedule *0225-0333* (sometimes 10-15 min longer) and *1555-1733* on 4610, 6810v kHz. First noted on March 24th. Often heard a spoken ID "Radio Payam" in the Farsi service. (Pe-traitis) Voice of Komala heard 14th April on 4610 kHz from 0225 with introductory music and male announcer with repeated Kurdish identification "Eira Dengi Komala." At 0230 sign on was heard with formal identification then Kurdish talks. Ex 4615. 6810 khz was also noted in parallel as usual. (Ford via Kropf/Cumbre DX/Fleming)

CONGO—DEMOCRATIC REPUBLIC 9550.0, Radio Okapi, Kinshasa; In South Africa nice and strong signal. Is coming through with a fair signal at 0900, so possibly on 24 hours/day? Was off the air Mar 20 and 21 (Vashek Korinek, RSA, DSWCI DX Window Mar 27 via DX Listening Digest/Hauser-OK)

COSTA RICA Radio For Peace International Schedule:

0200-1200 7445U
1200-0200 21815U
1800-0600 15040

(RFPI Weekly Update for April 14 via DX Listening Digest/Hauser-OK)

CROATIA Schedule for **Croatian Radio** (mostly in Croat)

0000-0100 9925
0100-0300 9925
0300-0400 9925
0400-0500 6165 7365 9830 9925
0500-0700 6165 7365 9470 9830
0700-0900 6165 7365 9830 13820

0900-1700 6165 9830 13830
1700-2300 6165 13830
2300-2400 9925

(via Alan Roe, Teddington, UK, DX Listening Digest/Hauser-OK)

CUBA Radio Havana Cuba in Spanish to Am now 0000-0500 NF 9600 USB (ex-11705 // 11760) (Ivo and Angel! Observer, Bulgaria, April 16 via DX Listening Digest/Hauser-OK) English changes: 0500-0700 NF 9665 USB (ex-9655 // 9550 9820)(Ivo and Angel!, Observer, Bulgaria, April 23, via DX Listening Digest/Hauser-OK)

CZECH REPUBLIC Radio Prague

0000-0027	English	7345 11615
0030-0057	Spanish	7345 11615
0100-0127	English	6200 7345
0130-0157	Czech	6200 7345
0200-0227	Spanish	6200 7345 **7385
0230-0257	Czech	7345 9870
0300-0327	English	7345 **7385 9870
0330-0357	English	11600 15620
0400-0427	Russian	9865 11600
0600-0627	French	5930 7345
0630-0657	German	5930 7345
0700-0727	English	9880 11600
0730-0757	Spanish	9880 11600
0800-0827	French	9880 11600
0830-0857	Czech	11600 21745
0900-0929	English	21745
0930-0957	Czech	21745
1000-1027	German	6055 9880
1030-1057	English	9880 11615
1100-1127	Czech	11615 21745
1130-1157	Russian	6055 *15675 21745
1200-1229	German	6055 7345
1230-1257	Czech	6055 7345
1300-1329	English	13580 21745
1330-1357	Czech	13580 21745
1400-1427	Spanish	11990 13580
1430-1457	Russian	*9430 11625 13580
1500-1527	German	5930
1530-1557	Russian	*7235
1530-1557	Czech	5930 21745
1600-1627	English	5930 21745
1630-1657	German	*5990
1630-1657	French	5930 21745
1700-1727	English	5930 21745
1730-1757	Czech	5930 21745
1800-1827	Spanish	5930 13580
1830-1857	French	5930 13580
1900-1927	Spanish	5930 13580
1930-1957	Czech	5930 11600
2000-2027	English	5930 11600
2030-2057	Spanish	5930 11600
2100-2127	Czech	11600 15545
2130-2157	English	11600 15545
2200-2227	French	11600 15545
2230-2257	English	11600 15545
2300-2327	Spanish	11615 13580
2330-2357	Czech	11615 13580

Transmitters at Litomysl

*Relayed via Rimavsk Sobota, Slovakia

**Relayed via WRMI Miami, Florida

(Alan Roe, UK, March 31 & Ramon Vazquez Dourado, Spain/DX Listening Digest/Hauser-OK)

DENMARK To avoid All India Radio at 2200-2255 UT on 11620 *Radio Denmark* has changed to 11645 kHz. This transmission is intended for the Far East. In Australia there is slight side-splat from China on 11650 until 2227. After that time both sides are clear. Kind Regards, (Erik Koie, DR Radio, April 16, DX Listening Digest/Hauser-OK)

ECUADOR New is *Radio Maria Ecuador*, HCVN7, the former La Voz del Napo in Tena, which had been off the air. HCVN7 operates on 3280 kHz with 2,500 watts and belonged to the Josefina Mission. Website: <http://www.radiomariaecuador.org> (Catholic Radio Update April 8 via DX Listening Digest/Hauser-OK)

5905USB *Radio Cosmopolita*, Quito/ Radio Sembrador "Chimborazo 98.1, Riobamba. No, it was no one time occasion. The following day they were there again on 5900.00 kHz, but only for 40 minutes. April 17 they started about 2025 local time but this time on 5905.00 kHz. Note that the frequency is absolutely exact. The transmitter on SW is not intended for the public but functions as a link between Quito and Riobamba: Radio Cosmopolita in Quito and Radio Sembrador "Chimborazo 98.1," broadcasting from the provinces just south of Riobamba. The result of this SW link can be heard at the same time in Quito on MW 960 kHz and in Riobamba on 98.1 MHz. Alejandro told me that another transmitter within shortly will be incorporated into this "enlace" which by the way started in the beginning of April this year—the third station will be "Radio Filadelfia" in Guayaquil broadcasting on MW 1170 kHz. This means that the person managing to hear 5900.00 or 5905.00 kHz simultaneously can log 3 completely different stations, fantastic! These 3 radio stations have it in common that they are run/hired by the Indian Evangelic Movement. Both SW-transmitters in Riobamba and Quito have an effect of about 0.2 kW. Notice that radio amateurs can reach very far away with this [PEP] of their transmitters, so please do not give too early! (Bjorn Malm, Quito, Ecuador, SW Bulletin April 21, translated by editor Thomas Nilsson for DX Listening Digest/Hauser-OK)

EGYPT Some new freqs of *Radio Cairo* for A-02, as monitored:

7315	1800-1900	Russian ex 6120
11540	1000-2300	Arabic General Sce ex 9850
11635	1530-1630	Uzbek ex 9620
15425	1900-2030	Fulani ex 9720
15620	1600-1815	Zulu/Shona/Ndebele ex 15475
17675	1200-1700	Arabic General Sce ex 17670.

(Radio Bulgaria Monitoring/EDXP/Padula-AUS)

EL SALVADOR Mistakenly reported as a harmonic (of MW 810 kHz) is new shortwave relay of *Radio Imperial*, 17833.72 kHz, noted irregularly in the 1900-2200 period. (Henrik Klemetz/DX Listening Digest/Hauser-OK)

GEORGIA *Radio Georgia*

0600-0630	Russian	11805
0630-0700	English	11805
0700-0730	German	11805
0800-0830	French	11910
0830-0900	English	11910
0730-0800	English	6080 Tu/Th1830 6080 Sat, Sun
0930-1000	English	11910
1630-1700	English	6180
1830-1900	English	11910
1830-1900	English	6080 Sa/Su

(Rumen Pankov, Bulgaria, April 6, BC-DX Apr 17 via DX Listening Digest/Hauser-OK)

GREECE *Voice of Greece* has moved from 17905 to 17900 so it no longer blocks aeronautical traffic on 17904usb. (Morrison Hoyle, Victoria, April 8, DX Listening Digest/Hauser-OK)

Other changes for Voice of Greece in Greek: 0700-1000 and 1100-1300 NF 17900 (ex-17905) (English 0930-1000) (Observer, Bulgaria, April 9 via, DX Listening Digest/Hauser-OK)

HONDURAS 4819.1, *HRVC*, has reactivated after being off several months. Nice signal at 1115 April 6 with multiple IDs in Spanish. Also announcing website of <http://www.hrv.org> which has streaming audio [wasn't working when I tried] and an email address (Hans Johnson, FL, Cumbre DX via DX Listening Digest/Hauser-OK)

INDIA New freqs for *All India Radio* in A02. Several transmission are synchronized from two transmitters with different direction on the same channel.

5990	0100-0200	Sindhi
7250	0130-0228	Nepali (NEW)
9690	1330-1500	GOS-III to SEAsia (NEW)
11715	0130-0228	Nepali (NEW)
11775	1215-1330	Tibetan (ex-11695)
11775	1330-1430	Nepali (ex-11695)
13685	1115-1215	Tamil (ex-13700)
13685	1215-1245	Telegu (ex-13700)
15075	1615-1730	Hindi E.Af (NEW)
15075	1745-1945	GOS-IV to E.Af(NEW)
15415	1215-1315	Burmese (NEW)
11620	2045-2230	GOS-V (one transmitter to Europe and one to Aust/NZ)
11620	2245-0045	GOS-I (one transmitter to NEAsia and one to SEAsia)
13685	1000-1100	GOS-II English (one transmitter to NEAsia & one transmitter to Aust/NZ)

15075 0315-0415 Hindi (one transmitter to ME and one transmitter to E.AF EXCEPT GOS-II all GOS in English is now broadcast on 11620.

AIR is interested to receive reception comments with GOS in English on 11620 13605 13685 kHz in North America, Australia and New Zealand and of course in Europe. (Alok Das Gupta-IND)

INDONESIA 3264.7 *RRI Garontalo* Apr 10 1224-1242 Indonesian, Jakarta news relay and music. ID at 1233. (Kouji Hashimoto/Japan Premium/Iwaka Gatu-JPN)

3325 *RRI Plangkaraya* Apr 10 1320-1330 Indonesian, Talk. ID at 1325. (Kouji Hashimoto/Japan Premium/Iwaka Gatu-JPN) 2203-2208, Tail end of the news ("Warta Berita"), with mention of Palestina and Israel. Jingle with "Radio Republic Indonesia" ID, and something that sounded like "Independent National." Choral song, then back to own programming with local ID by male speaker, followed by soft Indonesian popmusic. (Veldhuis, Apr 20/Cumbre DX/Fleming)

3344.85 *RRI Ternate(p)* Apr 11 1340-1403* Indonesian, Talk. Music. 1403 s/off. (Kouji Hashimoto/Japan Premium/Iwaka Gatu-JPN)

3905 *RRI Merauke*, 1015-1035, Apr 13, Local language, Musical program comments by man announcer, mention several times Merauke, (Eramo/Japan Premium/Iwaka Gatu-JPN)

3976 *RRI Pontianak* Apr 11 1311-1322 Indonesian, Jakarta news relay and talk. ID at 1314 and 1316. (Kouji Hashimoto/Japan Premium/Iwaka Gatu-JPN) 3976.06 *RRI Pontianak*, 2212-2223, Long talk by female in Bahasa Indonesia. At 2219 piece of music, announcement by male, short piece of music, local ID given by female at 2220. Then talk with frequent music bridges. (Veldhuis, Apr 20/Cumbre DX/Fleming)

4753.3 *RRI Makassar* Apr 16 1155-1205 Indonesian, Talk. ID at 1157. 1200 Jakarta news relay. (Kouji Hashimoto/Japan Premium/Iwaka Gatu-JPN) 1035-1050 beautiful Indonesian music, interesting percussion and string instrumentals (Wilkner/Japan Premium/Iwaka Gatu-JPN)

4789 *RRI Fak Fak* Apr 11 1230-1240 Indonesian, Jakarta news relay. ID at 1232. Music. (Kouji Hashimoto/Japan Premium/Iwaka Gatu-JPN) 1227-1235+ Apr 22. Noted with talks not // to other RRI stns. Decent signal but deteriorating. (Wilkins, Apr 22/Cumbre DX/Fleming)

4874.6 *RRI Sorong* Apr 16 1051-1103 Indonesian, Pops music. ID at 1059. 1100 News. (Kouji Hashimoto/Japan Premium/Iwaka Gatu-JPN)

4925 *RRI Jambi* Apr 11 1240-1301 Indonesian, Talk and music. ID at 1300. (Kouji Hashimoto/Japan

Premium/Iwaka Gatu-JPN) 1213-1240+ Apr 22. Active again. Heard with Jak pgm // 4753.48 to 1234, then into own pgmg. Lagu melayu was followed by talk by W at 1245. Fair at tune-in and deteriorating. (Wilkins, Apr 22/Cumbre DX/Fleming)

6071.2 *RRI Jayapura* Apr 11 0928-0934 Indonesian, Talk. 0930 IS. heavy QRM. (Kouji Hashimoto/Japan Premium/Iwaka Gatu-JPN)

6153.8 *RRI Biak* Apr 14 1022-1035 Indonesian, Pops music. 1028 ID and IS. 1030 ID. Talk. (Kouji Hashimoto/Japan Premium/Iwaka Gatu-JPN)

IRAN Voice of the Islamic Republic of Iran (VOIRI) Summer A-02 schedule

0000-0527	Persian	15084
0030-0127	Spanish	9515 9655 13755
0030-0127	English	9610 11970
0030-0127	Bengali	6005 9570 9890
0100-0227	Tajik	7180
0130-0227	Kazakh	11935 13770
0130-0227	Urdu	9525 11880 13640
0130-0227	Arabic	9705
0130-0227	Spanish	9560 9655 9810 13755
0230-0257	Uzbek	7180
0230-0257	Hindi	15165 17635
0230-0327	Pashto	7130 9605 11765
0230-0327	Spanish	13730
0230-0427	Arabic	7155 11935
0230-0627	Arabic	9790
0230-1627	Arabic	15150
0300-0327	Russian	9875 11830 13665 13770
0300-0327	Armenian	11860
0300-0627	Dari	9580
0330-0427	Arabic*	9610 11870
0330-0427	Swahili	15260 15595 17570
		17800
0330-0527	Arabic**	7120 7245 9685
0330-0527	Arabic	17610
0330-0527	Azeri	13710
0430-0557	Turkish	15260 15365
0430-1627	Arabic	15125
0530-0627	Bosnian	15084 15510 17680
0530-0627	Spanish	17590 17785
0600-0657	Hausa	17600 21810
0630-0727	French	17590 17780 21645
0630-0727	Italian	15084 17705 17825
0630-0727	Albanian	15235 17680
0730-0827	German	15084 17590
0830-1157	Persian	15084
0830-1157	Dari	11880
0900-0927	Pashto	11675 12025
0930-0957	Armenian	9630 11700 15260
0930-1227	Arabic	21520 21545 21655
1000-1057	Swahili	17780 21755
1030-1527	Arabic	13675
1100-1227	English	15215 15585 15600
		21470 21730
1200-1257	Chinese	17785 17825 21460
		21490
1200-1257	Italian	15084 15235

1200-1457 Dari 7295
 1230-1327 Pashto 9630 9790 11870 13785
 1230-1327 Malay 15200 17555 17635
 1300-1327 Japanese 15235 15555
 1300-1357 Kazakh 11665 13755 15330
 1300-2357 Persian 15084
 1330-1457 Urdu 9565 9665 11695 13605
 13785 15420

1330-1927 Arabic 9860
 1400-1457 Russian 12030 15200 15290
 1430-1457 Azeri 6200
 1430-1527 Pashto 7270
 1430-1527 Bengali 9525 9810 11995 15395
 1500-1527 Hindi 9630 9720 11710 15245
 1500-1557 Uzbek 5955
 1500-1657 Azeri 6200
 1530-1627 English 7245 9635 11775
 1530-1627 Russian 9830 11675 11730 12020
 12095 13790

1530-1727 Urdu 7270
 1600-1727 Tajik 5955
 1600-1727 Turkish 7165 9550
 1630-1727 Pashto 3945 6015 7195 9725
 1630-1727 Armenian 6185 7230 9780
 1630-1927 Arabic 6025 11740 11840
 1730-1827 Bosnian 7295 9545 9615
 1730-1827 German 11765 11855 13730
 1730-1827 Russian 6140 7115 7205 7305
 1730-1827 Swahili 9655 11995
 1730-1927 Arabic 6200
 1830-1927 French 11765 11860 11880
 13665 13700

1830-1927 Arabic 9705
 1830-1927 Albanian 7295 9545 9570
 1830-1927 Hausa 11930 15435
 1930-1957 Italian 7295 11765 13650
 1930-2027 Russian 6045 7125 7175 9900
 1930-2027 English 9800 11670 11695 11855
 1930-2027 Arabic* 6025 6200 9705 9860
 11740 11840

*Voice of Islamic Palestinian Revolution

**Voice of Islamic Revolution of Iraq (Observer, Bulgaria, April 19 via DX Listening Digest/Hausser-OK)

IRELAND 9389.95, *Laser Hot Hits*, 0630 3/28, Several "Laser" IDs, by male DJ in passing. // 6220, but as expected, much clearer. Postal address, phone # and e-mail address given around 0635. Fair copy. I've read recently that they are using new transmitters, but not 100% sure this is not someone else relaying them. This is the first time I've heard them

on this frequency. Fade out around 0700-0800 (David Hodgson, TN, DX Listening Digest/Hausser-OK)

ISRAEL *Kol Israel* A02 overseas service schedule

0100-0500	Hebrew	13850
0300-2210	Arabic	5915
0300-2210	Arabic	12150
0330-0500	Hebrew	11590
0400-0415	English	9435 15640 17600
0500-0100	Hebrew	17535
0500-0515	French	15640 17545
0600-1900	Hebrew	15760
1000-1030	French	15640 17545
1030-1035	English	15640 17545
1200-1215	Bukharian	15640 17545
1215-1230	Georgian	15640 17545
1400-1500	Persian	13850 15640 17545 Fr/Sa/holidays
1400-1525	Persian	13850 15640 17545 Su
1500-1525	Sp/Ladino	17425 15640 17565 Sa
1530-1555	French	11605 15640 17545
1600-0330	Hebrew	11585
1600-1625	Yiddish	9435 15640 15650
1600-1630	English	15615 17545
1625-1635	Moghrabi	15640
1625-1645	Romanian	9435 15640
1635-1645	Spanish	15640
1645-1700	Hungarian	9435 15650
1645-1700	Ladino	15640
1700-1725	Yiddish	9435 15650
1730-1900	Russian	11605 9435
1800-1850	Hebrew	15640
1900-0600	Hebrew	15760
1900-1925	English	11605 15615 17545 15640
1930-1945	French	11605 15615 15640 17545
1945-2000	Spanish	11605 15615 15640 17545
2000-2115	Hebrew	15640

(KOL Website Last-Modified 23 Mar 2002 via JKB & HJB/WWDXC/Kubiak-GER + Hambly-AUS/DXLD/Hausser-OK)

ITALY *RAI International*

0055-0115	Spanish	9840 12030
0055-0115	English	9675 11800
0115-0130	Portuguese	9840 12030
0115-0130	French	9675 11800
0130-0230	Italian	6110 9675 9840 11765 11800 12030
0230-0315	Italian	9675 9840 11800 12030
0315-0335	Spanish	9675 9840 11800 12030
0345-0405	Russian	7235 9670 11800
0400-2200	Italian***	7175
0400-2200	Italian**	6060 9515
0405-0425	Ukrainian	7235 9670 11800
0435-0445	Italian	7235 9875
0435-0455	Amharic	15250
0445-0500	English	7235 9875
0455-0530	Italian	15250

0505-0525	Lithuanian	9670 11800
0530-0550	Romanian	9670 11800
0530-0550	Somali	15250
0600-0620	Arabic	15250
0600-0620	Russian	11800 15290
0630-1300	Italian	9670 11800
1000-1100	Italian	11920
1330-1355	Arabic	11800
1335-1355	Albanian	7190 9690
1400-1415	Slovene	7190 9690
1400-1425	Italian	17780 21520
1415-1435	German	7190 9690
1430-1455	Arabic	9670 11800
1435-1455	Croat	7190 9690
1500-1520	Turkish	9690 11895
1500-1525	Italian	9670 11880
1500-1525	Italian	9670 11880
1520-1540	Greek	9690 11895
1530-1555	French	9670 11885
1540-1600	Bulgarian	9690 11895
1555-1625	Italian	9670 11885
1605-1625	Russian	11805 15290
1630-1655	Arabic	11910 15240
1630-1655	French	9670 11730
1700-1800	Italian	9670 9730 11810 15115

		15320 17800
1805-1825	German	6015 9605
1810-1825	Czech	6130 7240
1825-1840	Slovak	6130 7240
1830-1905	Italian	17780 21520
1840-1900	Polish	6130 7240
1910-1930	Somali	11890 15240
1910-1930	Serbian	6130 7240
1935-1955	Ungherese	6130 7240
1935-1955	English	5970 9745
2000-2020	Danish	9600 11755
2000-2020	Swedish	9600 11755
2000-2020	Russian	6185 9670 11800
2000-2020	Esperanto	9600 11755
2025-2045	Arabic	6130 7290
2025-2045	English	9670 11880
2050-2110	Portuguese	9670 11880 15240
2050-2110	Portuguese	6130 7290
2110-2130	Spanish	6130 7290
2115-2135	Romanian	5970 7250
2135-2155	Arabic	7290 9670
2135-2155	Czech	5970 7250
2155-2210	Slovak	5970 7250
2200-0400	Italian*	6060
2205-2230	English	11900 15625
2210-2225	Polish	5970 7250
2240-0055	Italian	9675 9840 11800 12030

* Notturmo dall'Italia

** Radiouno

*** Radiodue (via BCL News, Sicily, via Conexin Digital via DX Listening Digest/Hauser-OK)

IRRS-Shortwave, Milano

0430-0600	En/Italian	3985
0600-0700	En/It/Ge	7120
0700-1500	En/It/Ge	7120 Sa/Su

1700-2215	En/It/Ge	3985
2200-2300	En/German	7120 Fr-Su

All 10 kw non directional in USB -6db reduced carrier or DSB (via BCL News, Sicily, via Conexin Digital via DX Listening Digest/Hauser-OK)

JAPAN NHK has been broadcasting the emergency news programs of "US attack the terrorist group in Afghanistan" per this schedule:

0100-0200	English	11880E 17560Y
0100-0400	Japanese	6180D
0230-0300	Persian	11930G
0400-0430	Arabic	11930G
0400-0700	Japanese	15480D
0700-0730	Arabic	15220A
0700-1300	Japanese	15165D
0830-0900	Persian	17820E
1300-1500	Japanese	15400D
1400-1500	English	17755G
1500-1700	Japanese	15265S
1700-1900	Japanese	9530D
1900-2100	Japanese	9590D
2100-0100	Japanese	6140D (21-22 En??, WB)

A=Ascension

D=Dubai, UAE

E=Ekala, Sri Lanka

G=Gabon

S=Skelton, UK

Y=Yamata, Japan (NHK A02 booklet via WB, 2002 Mar 30/WWDXC/Kubiak-GER)

KOREA—SOUTH Radio Korea International in English:

0200-0300	9560S 15575
0800-0900	7550 9570 13670
1130-1230	9650S
1300-1400	9570 13670
1600-1700	5975 9515 9870
1900-2000	5975 7275
2100-2130	3955U*
2100-2200	15575

S=Sackville, Canada

U=Skelton, UK

*=Second English program

(via Glenn Hauser, also via Mike Barraclough, DX Listening Digest/Hauser-OK)

KURDISTAN via UZBEKISTAN/MOLDOVA New schedule for *Voice of Mesopotamiya* in Kurdish:

0400-1200	15675*TAC
1200-1600	11530 KCH

(Ivo and Angel, Observer, Bulgaria, April 9 via DX Listening Digest/Hauser-OK)

Radio Kurdistan, Voice of Kurdistan Socialist Democratic Party [clandestine?] heard in Kurdish and Arabic with irregular late evening transmissions *1945-2057* on 4130 kHz; March 10-18 (R. Petraitis, Lithuania, Mar 19, 2002 for CRW April 8 via DX Listening Digest/Hauser-OK)

Voice of Komala in Kurdish and Farsi heard with a new summer time schedule *0225-0333* (sometimes 10-15 min longer) and *1555-1733* on 4610, 6810v kHz. First noted on March 24th. Often heard a spoken ID "Radio Payam" in the Farsi service (R. Petratis, Lithuania, Apr 3, 2002 for Clandestine Radio Watch via DX Listening Digest/Hauser-OK)

KYRGYZSTAN 6945.1, very tent. **Kyrgyz Radio**, 0157 Apr 17, minor key IS, into program in UNID language at 0201, occasional minor key interludes, off at 0218 with apparent Kyrgyz NA; drifted up to .15, then down to .02; txn Lee Reynolds for pointing this station out. Sound clip of anthem at http://www.brandi.org/6945_0217_20020417.mp3 Compare to MIDI anthem at <http://www.countryreports.org/sounds/kyrgyzstan.mid> I'm not positive (Ralph Brandi, NJ, DX-plorer via DX Listening Digest/Hauser-OK)

LAOS The new A02 frequency season cleared the co-channel interference to the **Lao National R** on 7145. Very listenable signals 1330-1400 English. They have some nice programs featuring Lao traditional life. Their English news is at 1345. S-off varies between 1355-1400 with the National Anthem (Victor Goonetilleke, Sri Lanka, 4S7VK, DXplorer Apr 13 via BC-DX via DX Listening Digest/Hauser-OK)

4658.57, **Lao National Radio** (LNR), Houa Phan, Mar 04, 1157-1230* in Laotian, at 1200-1229 relay of // 6130 from Vientiane. Local ID at 5-off. Suffers co-channel QRM by a Chinese speaking station on 4658.8, also // 6130 suffers by co-channel Xizang PBS, Lhasa, Tibet. LNR had some transmitter power problems, and also covered sometime by the Chinese signal. Chinese station // on nearby weak 6110 signal too. On Feb 19, China was on 4660 and 6130, and LNR Houa Phan was on 4660.8. At 1232* both 60 mb stations signed off (Roland Schulze, Philippines, DSWCI DX Window Mar 27 via DX Listening Digest/Hauser-OK)

LESOTHO 4800, **LNBS**: I asked the Transmitter Engineer at Radio Lesotho, Emmanuel Rametse, about the status of their transmitter on 4800 kHz. This was his reply: "Our short wave transmitter is still off air due to a problem of spares that are still in the US. These spares have been ordered and we are expecting them any time from now. I hope as soon as we get the spares we will be able to resume transmission." (George Maroti, NY, Apr 23, Cumbre DX via DX Listening Digest/Hauser-OK)

LIBYA via FRANCE Updated A-02 schedule for LJB in Arabic:

1000-1100	21695
1100-1130	17695 21675 21695 21810
1130-1400	21675 21695
1400-1500	21695
1500-1600	17695 21810
1600-1700	15660 17695
1700-1800	15660 17635 17695 17880

1800-1900	15205 15660 17635 17695
1900-2000	15205
2000-2130	11635

(Ivo and Angel! Observer, Bulgaria, April 2, via DX Listening Digest/Hauser-OK)

LIBERIA 6100, **Voice of Liberia** (so announced), 0630 Mar 19 with African music, mention of "Ambassadors of Music," upbeat anmts, greetings to listeners, ID 0641, TC, 0645 speech by female Reverend of United Methodist Church, African music again 0650, seemingly more brief religious speeches. TC 0656, music, ads 0657, TC 0700, more music, 0702 "Good morning from Monrovia, the news read by. . ." Signal a little fluttery, but not too bad overall (Jerry Berg, MA, NASWA Flashsheet via DX Listening Digest/Hauser-OK)

I decided to check 6100 some more. On Mar 30 I found DW there in force until 0600 s/off, when there was revealed a not-very-strong station on 6099.94 in what sounded like Italian. I assume this was R. Tirana, which is listed at 0300-0800 on 6100 and is often off-freq. Liberia's carrier came on 6100 at 0625. There was a minute of music at 0627, then the Liberian NA with good audio, then an ID with very low audio. The man IDed as R. Liberia International, gave the SW frequency as 6100, and then went into a long program preview; however, the audio was so low that the talking was mostly unreadable. There was also heavy QRM this night. At 0632 they went into upbeat music, and the audio came back up. This problem of good music audio-bad voice audio is apparently intermittent, as I have heard them a few times before with steady audio (Jerry Berg, MA, NASWA Flashsheet April 6 via DX Listening Digest/Hauser-OK)

MADAGASCAR The station on 5010.0 closing just after 1900 is Madagascar, heard tonight (28 March) very clearly in parallel with much weaker 3287.6. After the national anthem they play the usual and distinctive Madagascar interval signal which has been around for years and years. Here in Nairobi, 5010 is COMPLETELY CLEAR once Madagascar has signed off. I am very sceptical of these reports of Cameroon on that frequency. I think Cameroon has now left shortwave for good (Chris Greenway, Nairobi, Kenya, March 28, DX Listening Digest/Hauser-OK)

3287 // 5010 **RTM** abruptly went off at 1639 April 3, also nothing on MW when checked; while the station of the self proclaimed president Ravalomanana is still on 9685 (Mahendra Vaghjee, MAURITIUS, hard-core-dx via DX Listening Digest/Hauser-OK)

STATION 9685, 0300-20.00, 07 April: this station is also being heard on 9540 USB. If not all night long it should be on the air until 2200 or so. Later: Most probably the actual president is not giving any chance to the self appointed president Ravalomanana

manana to be on the air, and around 1900 station 9540 // 9685 has been covered by RTM with more powerful signal and right now RTM is on 3287 // 4991 // 5010 // 9540 and 9685 (Mahendra Vaghjee, Mauritius, April 7, hard-core-dx via DX Listening Digest/Hauser-OK)

MALI ORTM Bamako appeared around 0805 UT on odd v9633.98...9633.96, Vernacular news, also on / / 11960.00 even (Wolfgang Bschel, Germany, March 31, DX Listening Digest/Hauser-OK)

Freq change for **CRI** via Bamako relay: 1800-1828 Hausa; 1830-1928 Arabic NF 11640 (ex-15550). (Ivo and Angel! Observer, Bulgaria, April 2, via DX Listening Digest/Hauser-OK)

MALTA Voice of the Mediterranean

0500-0600	Japanese	17570K Su
0530-0600	Arabic	6110
0700-0800	Italian	9605R Su
0800-0900	English	9605R Su
0900-1000	Maltese	9605R Su
1000-1100	French	9605R Su
1100-1200	German	9605R Su
1700-1730	Italian	9605R
1730-1800	English	9605R
1900-2000	English	12060M Sa-Th
1900-2000	English	12060M Su
1900-2100	Arabic	12060M Fr
2000-2030	French	12060M Su
2000-2100	Arabic	12060M
2030-2100	German	12060M Su

K=via Komsomolsk, Russia

M=via Moscow, Russia

R=via Rome, Italy

(VOM via Alan Pennington, BDXC-UK, Caversham UK via DX Listening Digest/Hauser-OK)

MONGOLIA A-02 Schedule for Voice of Mongolia, per the VOM website:

0830-0900	Japanese	12014.8
0900-0930	Mongolian	12014.8
0930-1000	Chinese	12014.8
1000-1030	English	12014.8
1030-1100	Mongolian	9615
1100-1130	Chinese	9615
1200-1230	Japanese	9615
1330-1400	Russian	12014.8 Sa/Su
1500-1530	English	12014.8
2000-2030	English	12014.8

(via Alan Roe, Teddington, UK, DX Listening Digest/Hauser-OK)

MYANMAR Defense station on 6570 appears to be back on regular power, fair signals on the 2m mobile antenna!!! at 1425 April 13 (Victor Goonetilleke, Sri Lanka, 457VK, DXplorer via BC-DX via DX Listening Digest/Hauser-OK)

NAMIBIA The only night frequency at the moment is 3270 (presumed 1700-0500) and the day one

6060 (presumed 0500-1700). Both frequencies (the same transmitter, I suppose) are quite undermodulated and the signals are much weaker than I would normally expect here. Could be that the last SW transmitter is on its way out? (Vashek Korinek, RSA, DSWCI DX Window Mar 27 via DX Listening Digest/Hauser-OK)

3290, **NBC, National Radio "Voice of the Nation"** is being heard only on this frequency and some times with prog in English replayed from an FM station with pop music and BBC News and reports at 1830 April 3, while 3270 is off the air for quite a month now (Mahendra Vaghjee, MAURITIUS, hard-core-dx via DX Listening Digest/Hauser-OK) [Your guess is as good as mine!-AQ]

NETHERLANDS A-02 Schedule for R. Netherlands

0130-0225	Dutch	6010sa 11730fl 15315bo
0130-0325	Spanish	6165bo 9845bo
0330-0425	Dutch	6165bo 9590bo 9845ma 15560ma
0430-0530	English	6165bo 9590bo
0500-0557	Dutch	1512wo 7125fl
0500-0757	Dutch	9895fl
0500-1700	Dutch	5955fl 9895fl
0530-0625	Dutch/DRM	11655bo
0559-0757	Dutch	11935fl
0630-0800	Dutch/DRM	15245bo
0700-0800	Dutch	9820bo 11655bo
0759-1700	Dutch	13700fl 13700fl
0930-1015	Dutch	6020bo Mo-Sa
0930-1130	English	9790bo 12065pe 13710ir
1030-1125	Dutch	13820ma 15757ma 21480ma
1030-1125	English	5965sa 6045ju 9860we
1100-1125	Spanish	15450bo
1130-1157	Spanish	6165bo 9715bo
1130-1325	Indonesian	11690si 17580ma 21480ma
1200-1225	Spanish	6165bo 9715bo
1228-1325	Dutch	17495
1330-1425	Dutch	9890pe 12065ta 13695kh 17580ma 21480ma
1430-1625	English	9890ma 11835ma 12075ta 15220sa
1630-1725	Dutch	6020ma 11655ma
1730-1825	Dutch	9895fl 13700fl 15560fl
1730-2025	English	6020ma 7120ma 11655fl
1830-2025	English	9895fl 13700fl
2030-2125	Dutch/DRM	15565bo
2030-2125	Dutch	15835ka 6015ma 6020fl 7120ma 9895fl 9895fl 11655fl 15315bo 17605bo 21590bo
2130-2225	Dutch	6020bo 9895fl 13700fl 15155bo 15315fl
2130-2325	Indonesian	6120si 7285ma 9590ma
2230-0125	Spanish	9895fl 11720bo 15315bo
2330-0025	Dutch	7280ma 9590si 17590kh
2330-0125	English	6165bo 9845bo

bo = Bonaire

fl = Flevo
 ir = Irkutsk
 ju = Juelich
 ka = Kaliningrad
 kh = Khabrovsk
 ma = Madagascar
 pe = Petropavlovsk Kamchatski
 sa = Sackville
 si = Singapore
 ta = Tashkent
 we = Wertachtal
 wo = Wolvertem

(Alan Roe, Teddington, UK, DX Listening Digest/
 Hauser-OK)

NEW ZEALAND Schedule for **RNZI** in English from
 May 5 to September 1, 2002:

0459-0658 11820
 0659-1105 9885
 1106-1310 11675
 1311-1650 6095 occ sports
 1650-1850 6095 Mo-Fr
 1851-1950 11725 Mo-Fr
 1951-2215 15160
 2216-0458 17675

(Ivo and Angel!!! Observer, Bulgaria, April 12 via DX
 Listening Digest/Hauser-OK)

NIGER 45,650 MHz VHF, *La Voix du Sahel*, Niamey,
 Mar 20, 0900-1400, regularly heard in FM-modulation
 on this unusual frequency. This is a so-called
 STL (Studio-Transmitter Link), i.e. carrying the signal
 from the studios in Niamey to the transmitting
 centre outside the city. Worldwide low-band VHF
 reception is possible as a result of the present sunspot
 maximum (Maarten van Delft, Netherlands, DSWCI
 DX Window Mar 27 via DX Listening Digest/Hauser-
 OK)

Other Europeans frequently receiving it are
 equally convinced it is a semi-harmonic unintentionally
 radiated of 91.3 MHz (gh, DX Listening Digest/
 Hauser-OK)

OMAN New **BBC** mainland site is now registered A-
 02 [but probably not yet in full operation]:

0000-0030 Burmese 9605
 0000-0100 English 5970
 0030-0100 Bengali 6065
 0100-0130 Hindi 6065 11750
 0100-0300 English 11955
 0130-0200 Urdu 6065 11750
 0200-0230 Uzbek 11685 Mo-Fr
 0200-0300 Persian 11750
 0230-0300 Hindi 11685 Sa/Su
 0230-0300 Hindi 11685 Mo-Fr
 0300-0500 English 15575
 0300-0600 English 15310
 0330-0600 Arabic 15185
 0500-0600 English 11760
 0700-0800 Pers/Pash 15420 Th
 0700-0805 English 17790

0700-0900 Pashto 15420 Fr
 0700-1400 English 11760
 0730-0800 Pashto 15420 Sa-We
 0800-0845 Pers/Pash 15420 Sa-We
 0800-1100 Persian 15420 Th
 0810-0820 Hindi 17790
 0820-0830 Urdu 17790
 0900-1100 English 17790
 0900-1100 Persian 15420 Fr
 1000-1100 Persian 15420 Sa-We
 1100-1200 Pashto 15420 Th/Fr
 1100-1200 Pashto 15420 Sa-We
 1100-1700 English 17700
 1200-1230 Pashto 15420 Th/Fr
 1200-1230 Pashto 15420 Sa-We
 1230-1300 Pers/Pash 15420 Th/Fr
 1230-1300 Pers/Pash 15420 Sa-We
 1300-1345 Indonesian 6030
 1400-1445 Hindi 6140
 1400-1500 Hindi 11920
 1500-1600 Urdu 5965
 1515-1545 Sinhala 6140
 1545-1615 Tamil 6140
 1615-1900 Persian 6090
 1630-2200 Arabic 6030
 1700-1730 Hindi 7235
 1730-1800 Urdu 7235
 1900-2000 Persian 5975 Th/Fr
 2200-2330 Mandarin 17615

(Merlin via Andreas Volk-D, ADDX March 12, 2002;
 BC-DX via DX Listening Digest/Hauser-OK)

PAKISTAN A-02 schedule for *Radio Pakistan*:

0015-0100 Bangla 11580 15455
 0100-0145 Hindi 11580 15455
 0145-0215 Tamil 11580 15455
 0230-0300 Gujarati 15325 17825
 0400-0600 Urdu 15100 17485 21460
 0700-1005 Urdu/En 17520 21465
 0800-0830 Indonesian 15430 17660
 0900-0930 Tamil 17500 15625
 0930-1015 Hindi 17500 15625
 1015-1045 Bangla 17500 15625
 1045-1115 Sinhala 17500 15625
 1100-1130 Chinese 17485 15100
 1115-1145 Nepali 17500 15625
 1230-1430 Urdu 11570 15100
 1245-1315 Turki 7355 9425
 1315-1400 Russian 7355 9425
 1415-1445 Dari 6105 7375
 1500-1515 English 11570 15100 15725
 1530-1600 Turkish 15725 11545
 1600-1645 Farsi 15725 11545
 1600-1800 Urdu 15100 11570
 1645-1730 Arabic 15725 11545
 1700-1800 Urdu 9390
 2345-0015 English 11580 15455
 2345-0115 Urdu 17500 15485

(Ivo and Angel!!! Observer, Bulgaria, April 12 via DX
 Listening Digest/Hauser-OK)

PALAU Voice of Hope - KHBN

0700-0800	9965 9985 15725
0800-1000	9955 9965 9985 15725
1000-1100	9955 9965 9985 12160 15725
1100-1600	9955 9965 9985 12160 13840
1600-1700	9955 9965
2100-2200	9985
2200-2400	9955 9965 9985

(Schedule by Webpage of George Jacobs & Assoc. Inc., Last-Modified 10 Mar 2002, via JKB/WWDXC/Kubiak-GER)

PAPUA NEW GUINEA A new Christian radio station that recently opened in Papua New Guinea has permission to broadcast on shortwave with a power of 100 kW. A team of engineers led by Sam Rowley from the HCJB World Radio Engineering Center in the USA recently travelled to Port Moresby to complete installation of *Wantok Radio Light*, the city's first Christian FM station. It will become the hub for the Papua New Guinea Christian Broadcasting Network, a satellite radio network being established through a cooperative effort involving HCJB World Radio and three partner organizations. The shortwave broadcasts will reach not only remote, rugged areas of Papua New Guinea, but the entire region. Other stations are being planned for Vanuatu and the Solomon Islands. You can read an account and see photos of the project on this page: <http://www.missionaryradio.info/png.htm> (Radio Netherlands Media Network April 5 via DX Listening Digest/Hauser-OK)

PERU 5005 NF, 0012 April 4, *Radio LTC*, Juliaca, "Noticias LTC," W ID "Radio LTC desde Juliaca...LTC, tres frecuencias, una sola seal" 45444. Ex 5032, Ex 6011. 73 (Rogildo F. Arago, Cochabamba -Bolivia, hard-core-dx via DX Listening Digest/Hauser-OK)

5544.70, *Radio San Lorenzo*. April 11, 2002—0030 UT. New station on SW. In June last year I reported a harmonic on 3120v kHz: "Radio San Lorenzo." If the material from that time still matches, 5544.70 Radio San Lorenzo is located in: parroquia San Lorenzo, la provincia de Cutervo, el departamento de Cajamarca. Just like the station on 3120v they also announce 5544.70 kHz and MW 1560 kHz—as well as another SW-frequency I couldn't get. I have also checked that the station runs the same program as on the harmonic-frequency 3120v kHz (from MW 1560)—was at this occasion 10-15 kHz higher up in frequency.

5940.06, *Radio Melodia*, Arequipa. April 2002—0208 UT. New frequency, earlier on 5995.25 as noted in February last year. I checked the frequency after reading the HCDX mailing list where our member Johan Berglund/JB had an UNID on 5940 kHz. (Bjorn Malm, Quito, Ecuador, SW Bulletin April 21, translated by editor Thomas Nilsson for DX Listening Digest/Hauser-OK)

6039.45 new here is *Radio San Antonio*, April

19, 2250-0005, Spanish, endless Christian songs, several IDs. (Michael Schnitzer-GER)

6642.72 harmonic // 5535.61 harmonic: *Radio Comercial*, Lajas, la provincia de Chota, el departamento de Cajamarca. Only a short explanation why I and Rafael Rodriguez have reported Radio Comercial on different frequencies. Some months before Radio Lajas, Lajas was reactivated on SW with the new name "Radio Comercial" I logged the station on 6642.72 kHz. This is certainly a harmonic from MW 1107.12 kHz. Later I have logged Radio Comercial on 5535.61 kHz, a harmonic from the same MW-frequency (Bjrn Malm, Quito, Ecuador, SW Bulletin April 7, translated by editor Thomas Nilsson for DX Listening Digest/Hauser-OK)

POLAND Radio Polonia

1000-1030	Czech	5965
1000-1030	Slovak	5965
1030-1100	Polish	5965
1100-1125	Polish	7270
1100-1130	Russian	6095 9540
1130-1155	Belarussian	5995
1130-1200	German	6095 9525
1200-1300	English	6095 9525 11820
1300-1325	Lithuanian	6095 7275
1300-1330	Russian	9540
1330-1355	Esperanto	7275
1330-1430	Belarussian	5995 7180
1400-1425	German	6095
1430-1455	Russian	7180
1430-1500	Ukrainian	6000 7130
1500-1525	Ukrainian	6010
1500-1530	Lithuanian	5985 7180
1530-1555	Ukrainian	6010
1530-1630	Polish	6035 7285
1600-1625	Slovak	6095 Su
1600-1700	Czech	6095 Mo-Sa
1630-1655	Ukrainian	6010 7270
1630-1700	Belarussian	5995
1700-1755	Belarussian	6175 7180
1700-1800	English	5995
1800-1825	Esperanto	7130
1800-1830	Russian	5995 7180
1830-1900	Ukrainian	5995 6095 7180
1900-1925	Russian	6095 7165 7180
1930-2030	English	7165 7265
2000-2025	German	6030
2030-2055	Ukrainian	7180
2030-2055	Belarussian	6000 6040
2100-2125	Slovak	6010 Su
2100-2125	Czech	6010 Mo-Sa
2100-2200	Polish	6040 7165
2130-2155	Czech	6010 Mo-Sa
2130-2155	Slovak	6010 Su

(Mike Barraclough, Letchworth, UK, April 9, DX Listening Digest/Hauser-OK)

PORTUGAL RDP Portugal current A-02 schedule, all programs in Portuguese:

0000-0200	9715 11655 13660 13700 15295	Mo-Fr
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0500-0700	9815 11850(0645-0800) 11960 15585 Mo-Fr	5935 0100-0500 100 Moscow
0700-0755	9815 11850(0645-0800) 11960 Mo-Fr	5940 1430-2100 100 Moscow
0700-0830	12020 13640 21655 21830 Sa/Su	7220 2100-1700 200 Ekaterinburg
0800-1000	11960 12020 Mo-Fr	7355 1730-2100 100 Samara
0830-1000	11995# 12020 13640 21655 21830 Sa/Su	7360 1330-1700 100 Samara
1000-1200	12020 13640 21655 21830 Sa/Su	7365 0100-0500 100 Samara
1000-1200	11960 12020 21655 21830 Mo-Fr	7440 0430-1500 100 Moscow
1200-1300	17575* Mo-Fr	9490 1530-2100 100 Krasnodar
1200-1345	12020 13640 17575+ 21655 21830 Sa/Su	9655 1030-1500 100 Irkutsk
1300-1500	17575* 21810 Mo-Fr	9720 0530-1400 100 Moscow
1345-1400	17575+ 21655 21830 Sa/Su	9805 1900-2200 100 Irkutsk
1400-1655	13770 15555+ 17575+ 21655 21830 Sa/Su	9845 1830-2100 250 Moscow
1600-1900	15525 15445+ 17575* 17650 17680 21655 Mo-Fr	9885 1300-2000 200 S.Petersburg
1655-1700	13770 15555+ 17575+ 21655 Sa/Su	9895 0200-0400 160 Kaliningrad
1700-1900	13770 15555+ 17575+ 17680 21655 Sa/Su	11655 0830-1500 100 Krasnodar
1900-2000	11945 13720* 13770 15555+ 17575+ 17680 21540* 21655 Sa/Su	11735 1730-2100 250 Moscow
1900-2300*	11945 13720 17575* 21540* 21800* Mo-Fr	11980 0100-0400 250 Moscow
2000-2300	11945 13720* 17575+ 21540* 21800+	12005 0930-1400 100 Samara
2300-2400	9715 11655 13660 13700 15295 Mo-Fr	12020 0100-0500 250 Moscow

(Nikolay Rudnev-RUS)

Voice of Tatarstan, summer schedule, in Tatar and Russian:

0400-0500	11665
0600-0700	9690
0800-0900	11925

(Ildus Ibatullin, Kazan, Russia, Signal via DX Listening Digest/Hauser-OK)

Some freq changes for **Voice of Russia** (A-02 vs A-01)

0500-0900	English WS	NF 17795
0700-0900	English WS	NF 17675
1000-1100	Korean	NF 15185
1000-1200	Chinese	NF 15605, ex 15490
1200-1300	Russian WS	NF 13720
1200-1300	Mongolian	NF 15605, ex 15490
1200-1300	Vietnamese	NF 17645, ex 17570
1200-1400	Russian WS	NF 11640
1300-1400	Chinese	NF 15605, ex 15490
1300-1400	Russian WS	NF 17645, ex 15550 and NF 15560, ex 15460
1400-1500	English WS	NF 17645, ex 15550
1400-1600	Farsi	NF 9875, ex 9975
1400-1700	Ru Commonwealth	NF 11830, ex 11695
1400-1900	Ru Commonwealth	NF 9820, ex 9450
1500-1530	Albanian	NF 17685, ex 17725
1530-1700	Serbian	NF 17685, ex 17725
1600-1800	Ru Commonwealth	NF 9875
1700-1800	Bulgarian	NF 17685, ex 17725

+ may be extended up to 2300

* reserved for extended schedule ONLY.

(Goncalves, Portugal, via BC-DX, Apr 11 via DX Listening Digest/Hauser-OK)

ROMANIA Radio Romania International English March 31—October 26, 2002

0200-0300	9510 11810 11940 15105 15180 17815
0400-0500	9510 11940 17735 21480
0600-0700	9635 11940
0637-0656	7105 9625 9550 11775
0700-0800	21530
1400-1500	15250 17735
1700-1800	11740 15365 15380 17805
2100-2200	9510 9725 11740 11940
2300-2400	9570 11740 11775 15105

(RRI website March 31 via gh, DX Listening Digest/Hauser-OK)

RUSSIA 11840-USB, **Radio Sakhalin**: From continued monitoring it now appears that their own program is 0900-1000 daily except Sunday; they break away from R Rossii (// 13705) at 0900 and pick it up again at 1000. Program is usually music and telephone talk. Finally got positive ID on Mar 22 (Jerry Berg, MA, DSWCI DX Window Mar 27 via DX Listening Digest/Hauser-OK) Now shift all that one UT hour earlier for DST, right? (gh, DX Listening Digest/Hauser-OK)

Radio Rossii shortwave for A02:

5905	1530-2100	100 Moscow
5910	0100-0400	100 Moscow

1800-1900	Greek	NF 17685, ex 17725	1300-1315	Kangri	15445 Su
1900-2000	Russian WS	NF 9820, ex 9450	1300-1315	Oriya	15445 Mo/Th
1900-2000	Russian WS	NF 17685, ex 17725	1300-1330	Gujarati	15445 Tu
2100-2130	French	NF 9450, ex 9495 via SMG/WAT	1315-1330	Gujarati	15445 Sa-Mo/We/Th
			1315-1345	Gujarati	15445 Fr
(Ivo and Angel!!! Observer, Bulgaria, April 12 via DX Listening Digest/Hauser-OK)			1330-1345	Nepali	15445 Su/Mo
			1330-1345	Maghi	15445 Sa
			1330-1345	Chattisgarhi	15445 Tu-Th
SEYCHELLES FEBA Radio Broadcast Schedule A02, Summer 2002			1330-1400	Tamil	11880 Th-Sa
0015-0030	Punjabi	7265 Th/Sa	1330-1400	Sinhala	9810
0015-0030	Dzonkha	7265 Fr	1345-1400	Malayalam	15445 We
0015-0030	Marathi	7265 Su-We	1345-1400	Tamil	11880 Su-We
0030-0100	Hindi	7265 We-Su	1345-1415	Malayalam	15445 Th-Tu
0045-0100	Hindi	7265 Mo/Tu	1400-1415	Urdu	11600 Su-Th
0045-0100	Bangla	9465 Su-Th	1400-1430	Hindi	11600 Sa
0045-0100	Assameese	9465 Sa	1400-1440	Urdu	9485
0100-0130	Tamil	7265 Mo/We	1400-1445	Hindi	11600 Fr
0100-0145	Tamil	7265 Tu/Fr/Sa	1415-1430	Bangla	15445 Su-Th
0100-0200	Tamil	7265 Su-Th	1415-1445	Hindi	11600 Tu/We
0130-0200	Telugu	9465	1415-1445	Bangla	15445 Fr
0145-0200	Badaga	7265 Fr/Sa	1415-1500	Hindi	11600 Su/Mo/Th
0200-0215	Siraiiki	9465 Th-Su	1430-1445	Bangla	15445 Sa
0200-0215	Hindko	9465 Mo/Tu	1430-1500	Kumauni	11600 Sa
0200-0215	Urdu	11640 Th-Tu	1440-1455	Urdu	9485 Su
0200-0230	Persian	11605	1440-1455	Hindko	9485 We-Sa
0200-0230	Urdu	11640 We	1440-1455	Punjabi	9485 Tu
0215-0230	Sindhi	9465	1445-1500	English	11600 Fr
0215-0230	Punjabi	11640 Fr-Tu	1445-1500	Telugu	15445 We-Mo
0230-0245	Pashto	15555	1445-1515	Telugu	15445 Tu
0230-0245	Pashto	11640	1455-1510	Balti	9485 Th-Su
0230-0245	Baluchi	9465 Th	1500-1515	Kannada	11600 Mo/We/Th/Fr
0230-0245	Brahui	9465 Mo/Tu	1500-1515	Malayalam	15445 Sa/Su
0230-0245	Baluchi	9465 Fr-Su	1500-1515	Tulu	11600 Tu
0245-0300	Dari	11640 Mo-Th	1500-1530	Kannada	11600 Su
0245-0300	Dari	15555 Mo-Th	1515-1530	Turkmen	9485 Th-Mo
0245-0315	Dari	15555 Fr-Su	1515-1530	Nuer	11885
0245-0315	Dari	11640 Fr-Su	1515-1545	English	11600 Tu/We
0315-0345	Hazaragi	15555 Sa/Su	1515-1600	English	11600 Mo/Th/Fr
0315-0345	Swahili	11880 Su/Tu/Th/Fr	1530-1545	Dinka	11885
0315-0400	Swahili	11880 Mo/We/Sa	1530-1545	Uzbek	9485
0345-0400	English	11880 Fr	1530-1600	English	11600 Sa/Su
0345-0430	Arabic	15535	1545-1600	Hazaragi	9485
0445-0515	Sinhala	15555 Fr	1545-1615	Makonde	11885 Sa
0515-0530	Baluchi	15555 Fr	1600-1615	Makonde	11885 Su-Fr
0530-0700	Persian	15555 Fr	1600-1630	Dari	9485
0700-0715	Luri	15555 Fr	1600-1630	Guragena	11640 Mo
0815-0830	Telugu	15460 Sa	1600-1630	Amharic	11640 Th-Su
0815-0900	Hindi	15460 Th	1615-1630	Guragena	11640 Tu/We
0915-0930	French	15430	1615-1645	Swahili	11885 Tu/Th
1100-1130	Portuguese	15445	1615-1700	Swahili	11885 Fr-Mo/We
1100-1245	Arabic	15535 Tu-Su	1630-1645	Pashto	9485 Sa-Th
1100-1300	Arabic	15535 Mo	1630-1700	Dhivehi	11605 Fr
1200-1230	Tibetan	15445	1630-1700	Amharic	11640
1230-1245	Bhojpuri	15445 Fr/Sa	1645-1700	Dhivehi	11605 We
1230-1245	Mundari	15445 Mo/Tu	1700-1730	Oromo	11640 Su/Fr
1230-1245	Bhili	15445 Su	1700-1730	Somali	9485
1230-1245	Marwari	15445 We	1700-1730	Somali	11885
1245-1300	Marathi	15445 Su	1730-1745	Tigrinya	11640 Mo-Sa
1245-1300	Punjabi	15445 Mo-Th	1730-1745	Somali	9485
1245-1300	English	15535 Th-Sa	1730-1800	Tigrinya	11640 Su
			1800-1900	Malayalam	11600 Fr

1830-1845 French 9485 Tu/We
1830-1900 French 9485 Th-Mo
(FEBA website/Alokesh Gupta-IND)

SIERRA LEONE 6137.84 **Radio UNAMSIL** 4/20
0635 phone in show in English, deep voiced African-
accented announcer IDing as "Radio UNAMSIL"
(sounds kind of like "Radio National," but digital
processing revealed it to be UNAMSIL) before each
phone call, "You're listening to The Hotline on Radio
UNAMSIL," African-accented callers on the phone,
time check @ 0650 for "ten minutes to seven,"
which matches the time in Freetown, into possible
news @0653, signal starting to fade out by 0656,
"welcome back to our listeners," music, another
"Radio UNAMSIL" ID, into news read by W @ 0700
(Brandi-NJ)

Graham Powell on IRC channel #swl found this
press release from yesterday on the UN site that
might explain why we're hearing this station now:

Press Release 19 April 2002

**UNAMSIL PUBLIC INFORMATION SECTION
LAUNCHES EXPANDED ELECTIONS COVERAGE AND
OUTREACH**

Freetown—The Public Information Section of
the UN Mission in Sierra Leone, on Monday, 22
April, will launch a series of radio programs and
public outreach efforts to sensitize the population
about the upcoming elections. Starting on Monday,
Radio UNAMSIL, on FM 103 and SW 6140 khz, will
launch "Election Watch," a program that will air
Mondays through Fridays from 7:30 to 10:30am, and
will cover electoral activities around the country,
supply public education on the issues and provide
all political parties with an equal chance to air their
platforms. Programming will also devote core time
to electoral issues of concern to vulnerable groups,
i.e. handicapped, internally displaced persons,
women and children. Two presidential debates will
be organized and aired by Radio UNAMSIL in collab-
oration with the Sierra Leone Broadcasting Service
and other stakeholders on 29 April and 3 May. Radio
UNAMSIL will provide live coverage from around the
country on 14 May, Election Day itself, up to the an-
nouncement of final results. The Section's Commu-
nity Liaison Unit will continue ongoing voter
education throughout the country in accordance
with NEC supplied information. Starting on 23 April,
its performing artists will undertake a nation-wide
tour in all districts at the chiefdom level to disse-
minate information on the elections. A Command Per-
formance will be held at the Lagunda Theatre in
Freetown on 30 April, the theme of which will be
free and fair elections. The performance will be
adapted for radio and broadcast nationwide, as well
as performed at all UNAMSIL Sector Headquarters.
The Video Unit will continue collaborating with
SLBS on the popular "Kapu Sens" program and is
producing public service announcements to be aired

on the network. UNAMSIL Headquarters, Mammy Yo-
ko, P. O. Box 5, Freetown, Sierra Leone Tel: 232-22-
273-183/4/5 Fax: 232-22-273-189 (Brandi-NJ)

SOMALIA There's some new Somali activity on
6750.25. It's in the Rahanwein language, so I need
to check it out further. Regards, (Chris Greenway,
Nairobi, Kenya, March 28, DX Listening Digest/
Hauser-OK) On Mar 31, the Rahaweins declared
South West Somalia an independent state! (Danish
Press via Anker Petersen, DSWCI DX Window April 10
via DX Listening Digest/Hauser-OK)

SOUTH AFRICA A-02 Schedule for *Channel Africa*

0300-0325	Swahili	6095
0300-0330	English	6035
0330-0355	French	6035
0400-0430	English	5955
0430-0455	Portuguese	3345
0430-0455	French	9525
0430-0455	Portuguese	5955
0500-0530	English	11710
0530-0555	Portuguese	11710
0600-0630	English	15215
0630-0655	Portuguese	15215
1300-1455	English	11720 17780 21725
1500-1525	Swahili	17780
1500-1530	English	17770
1530-1555	French	17770
1600-1630	Swahili	17860
1600-1630	English	9525
1630-1655	French	17860
1630-1655	Portuguese	3345 9525
1700-1730	English	17860
1730-1755	Portuguese	17860
1800-1830	English	17870
1830-1855	French	17870

Radio Sonder Grense

0530-0800	7185
0800-1620	9650 1620-0530 3320

South African Radio League

0800-0900	9750 21560 Su
1800-1900	3215 Mo

(From Sentech website via Alan Roe, Teddington, UK,
DX Listening Digest/Hauser-OK)

Radio Veritas Productions of South Africa will
begin a program service over leased South African
transmitters on May 1st and has announced times
and frequencies. The first program, 1000-1200 UT,
will be on 7240 kHz and from 1700-1900 UT on
3280 kHz in the 90 meter band. The first broadcast
each day will be devoted to Mass and services; the
evening hours will present a magazine program.
During the first week on the air, the station will run
short, 30-second messages from South African bish-
ops, reports Olinda Orlando, program director.

Radio Veritas has been attempting to secure an
FM license for several years now, and earlier this
year announced that it was looking seriously at

shortwave radio as a way to expedite getting on the air. The firm Sentech, which operates South Africa shortwave transmitters primarily for the South African Broadcasting Corporation, as do other international shortwave services, leases idle transmitter time to various groups. In this case, the transmitters are located at Meyerton, just outside of Pretoria, the national capital (Catholic Radio Update April 15 via DX Listening Digest/Hauser-OK)

SPAIN REE website gives this schedule for English broadcasts:

0000-0200 15385
 0500-0556 6055
 2000-2100 9570 Mo-Fr
 2000-2100 15290 Mo-Fr
 2100-2200 9840 Su
 2100-2200 9570 Su
 2105-2200 9570 Sa
 2105-2200 9840 Sa

(Mike Barraclough, Letchworth, UK, April 4, DX Listening Digest/Hauser-OK)

TUNISIA Freq change for **RTT** in Arabic effective April 21:

0400-0700 NF 7190 (ex-7110)
 1400-1900 NF 11950 (ex-11655)
 1900-2300 NF 7190 (ex-7110)

(Ivo and Angel!, Observer, Bulgaria, April 23, via DX Listening Digest/Hauser-OK)

UNITED STATES OF AMERICA WINB on new 9319.91, April 14 *0102-0305+; sign on with ID and into English religious programming. Gospel music; "Way of Truth," "Word of the Spirit" and others. These guys do not ID very often. Only ID heard was at sign-on and at 0301. Very good. Also heard April 13 at 0150-0230+ (Brian Alexander, Mechanicsburg, PA, DX Listening Digest/Hauser-OK)

WWRB, April 13 2210-2400* on 12172, English religious programming, ID at sign-off, announced switch to 5085; April 14 *0003 on 5085, ID at sign-on and into English religious programming (Brian Alexander, PA, DX Listening Digest/Hauser-OK)

Radio Free Asia uses IBB transmitters in BIB=Biblis Germany, HOL=Holzkirchen Germany, IRA=Iranawila Sri Lanka, SAI=Saipan and TIN=Timian N Mariana Isls. And Merlin relays TWN=Taiwan and UAE=Al Dhabayya-UAE. A-02 updated schedule of Apr 15.

0000-0100 Lao 12015I 13830 15545T
 0030-0130 Burmese 13680T 15660 17525
 17835S
 0100-0200 Uighur #9350 11520 11895UAE
 11945UAE 15405S
 0100-0300 Tibetan 9365 11975H 11695UAE
 15225T 15695 17730
 0300-0600 Mandarin 13670T 13760T 15150T
 15665T 17495 17525
 17615S 17880S 21690T

0600-0700 Tibetan 17485 17510 17720
 21500T 21690UAE
 0600-0700 Mandarin 13670T 13760T 15150T
 15665T 17495 17525
 17615S 17880S
 1100-1200 Lao 9355S 9545T 15560I 15635
 1100-1300 Tibetan 7470 11590 13625T
 15510UAE 15695 17855B-
 (from 1200)
 1230-1330 Cambodian 11520 13765I 15525T
 1300-1400 Tibetan 7470 11590 13625T
 15510UAE 15695 17855B
 1300-1400 Burmese 9385 11765T 11540#
 13745T
 1400-1500 Vietnamese 9455S 9635T 9930W 11510
 11520 11605N 11765T
 13775P 15705
 1400-1500 Korean 7380 11790T 13625
 13720T
 1400-1500 Cantonese 9445S 11955S 13625T
 1500-1600 Tibetan 7470 11510 11780UAE
 13835
 1500-1600 Mandarin 9905P 11765T 11945S
 13625T 13690T 15510T
 15680 17640T
 1600-1700 Mandarin 9455S-(fr 1630) 9905P
 11750T 11795T 11945S
 13690T 15510T 15680
 17640T
 1600-1700 Uighur 7460 9370 9555UAE
 9675UAE 13625T
 1700-1800 Mandarin 9355S 9455S 9905P 11750T
 11795T 11945S 13690T
 15510T 15680 17640T
 1800-1900 Mandarin 9355S 9455S 11520 11740T
 11945S 11955T 13680T
 15510T 15680 17640T
 1900-2000 Mandarin 9355S 9455S 9905P 11520
 11740T 11785T 11945S
 11955T 13625T 13680T
 15510T 15680
 2000-2100 Mandarin 9355S 9455S 9905P 11520
 11700T 11740T 11785T
 11935S 13625T 13670T
 15515T 15680
 2100-2200 Cantonese 9355S 11785T 13675T
 2100-2200 Mandarin 9455S 9910P 11700T
 11740T 11935S 13625T
 15515T 15680
 2200-2300 Korean 7460 9455T 11670S 11935S
 2200-2300 Cantonese 9355S 9955P 11785T
 13675T
 2230-2330 Cambodian 9930P 11570 15175I
 15485T
 2300-2359 Tibetan 7470 9365# 9805UAE
 9875H 15695
 2300-2359 Mandarin 9910P 11785T 13800S
 15430T 15550T 15680
 2330-0029 Vietnamese 11540 11560 11580
 11605N 11670T 13720S
 15560P

(various sources, updated on Apr 15, 2002 by Wolfgang Bueschel, DX Listening Digest/Hauser-OK)

Radio Marti, all in Spanish

0000-0300	6030 7365 11775 15330
0200-0300	6030 7365 11775 15330
0300-0400	6030 7365 7405 11775
0400-0600	6030 7405 9805 11775
0500-0600	6030 9805 11775
0600-0700	6030 7405 9805 11775
0700-0900	5980 6030 7405 9805
0900-1200	5980 6030 9565 9805
1200-1300	9565 9805 13820
1300-1400	7405 11845 13630 13820
1400-1700	11845 11930 13630 13820
1700-2100	9565 11930 13630 13820
2100-2200	9565 11930 13820 21500
2200-2300	6030 11930 13820 15330
2300-2400	6030 7365 13820

(via Oscar, FL, DX Listening Digest/Hauser-OK)

Radio Liberty to N. Caucasus in Russian/Avari/Chechen/Cherkessi (each 15 mins):

0400-0500	9850 BIB 11760 KAV 15355 HOL
1700-1800	9810 KAV 11760 BIB 15350 LAM

(Observer, Bulgaria, April 9 via DX Listening Digest/Hauser-OK)

Some freq changes for **Voice of America**:

0030-0100	Hindi	NF 9680, ex 9585
0400-0500	Ukrainian	NF 7115, ex 7245
0400-0500	Ukrainian	NF 9710, ex9560
1230-1300	Uzbek	NF 19015 ex 19000 // 12140 15120
1300-1400	Korean	NF 7260 ex 7290
1500-1530	Uzbek	NF 7265 NF 15580, ex 7275 15185 // 17785*
1600-1700	Kurdish	NF 17765, ex 11975
1630-1700	Hindi	NF 11695, ex 12075
1700-1730	Serbian	NF 15245, ex 15545
1730-1800	Hindi	NF 11695, ex 12075
2000-2030	Ukrainian	NF 7190, ex 15255

(Ivo and Angel!, Observer, Bulgaria, April 23, via DX Listening Digest/Hauser-OK)

Papers were signed and money changed hands yesterday afternoon and as of 9:00am this morning WJCR became the property of Word Broadcasting, **WJIE!** First broadcast day under new ownership is sked for Sunday the 28th but may be sooner if I can get the 7490 transmitter back up to full power tomorrow! They plan on using only the 7490 frequency initially. May put 13595 back on using the old 270 degree antenna later in the season. They have not as yet gotten any means of program delivery established between their studios in Louisville and the transmitter site in Upton. They had been talking about an ISDN or maybe a Switch-56 landline interconnect because the 68 mile long path was too much for a microwave STL link (Larry Baysinger, KY, Apr 25, Cumbre DX)

URUGUAY 6140 **Radio Montecarlo**, s/on noted 0900v and on this channel apparently on all local daylight and possibly early evening, though s/off couldn't be traced yet. Not there at 0100, for instance on Apr 24. 9595 and 11735 appear to be inactive. I personally wonder if the sked for SW will be affected in occasion of the coverage of the 2002 Soccer World Cup that begins in late May and will last for all Jun. Uruguayan team will be present on this occasion at Korea/Japan. Some matches are scheduled to start at 0630 (0330 URG time). If SW is activated or not on this possible overnight operation will evidence the interest of the station in the use of the SW. (Nigro-URU/Apr 24)

VANUATU At the end of November 2001 I visited the headquarters of **Radio Vanuatu** while on holiday in Port Vila. The transmitter site is on Emtan Lagoon about 5 kilometres south east of Port Vila. The site houses a transmitter building containing two short wave and one medium wave transmitter and their associated antennas. The programs are broadcast on short wave from a 10kW two channel Energy Onix Broadcast Transmitter Model HF-10K-2 tuned to 4960 and 7260. The signal is fed via coaxial cable to dipole antennas directed north and south to the islands in the group.

7260 is principally used from 1900 until 0600 hours, switching to 4960 at 0600 until the end of the transmission at 1115 (Sundays 1000). If one of the channels develops a fault, as happened while I was there, the other frequency acts as the standby. There is a standby transmitter tuned to 3945 kilohertz, but this is currently out of service because of shortage of spare parts to make it operational, and the date for its return to service is unknown (George Brown, Scotland, DSWCI DX Window Mar 27 via DX Listening Digest/Hauser-OK)

VIETNAM *Voice of Vietnam* A02 schedule

0000-0030	Khmere	7285
0000-0100	Vietnamese	11640 13740
0030-0100	Lao	7285
0100-0130	English	6175S
0130-0230	Vietnamese	6175S
0230-0300	English	6175S
0300-0400	Spanish	6175S
0400-0500	Vietnamese	6175S
0830-0930	Mandarin	12020 9840
0930-1000	Indonesian	12020 9840
1000-1030	English	12020 9840
1030-1100	Indonesian	12020 9840
1100-1130	Spanish	11640 13740
1100-1130	English	7285
1130-1200	Thai	7285
1130-1200	Russian	11640 13740
1200-1230	Japanese	12020 9840
1200-1230	Khmere	7285
1230-1300	Lao	7285
1230-1300	English	12020 9840
1300-1330	Russian	7285

1300-1330	French	11640 13740
1330-1400	Khmere	7285
1330-1400	English	11640 13740
1400-1430	Japanese	12020 9840
1400-1430	Lao	7285
1430-1500	Mandarin	7285
1430-1500	Indonesian	12020 9840
1500-1530	Thai	12020 9840
1500-1530	Cantonese	7285
1530-1600	Cantonese	12020 9840
1600-1630	English	11640 13740
1630-1700	Russian	11640 13740
1700-1800	Vietnamese	9725M 11640 13740
1800-1830	English	9725M 11640 13740
1800-1830	English	11640 13740
1830-1900	French	11640 13740
1830-1900	French	9725M
1900-1930	English	11640 13740
1900-1930	Russian	9725K
1900-1930	English	11640 13740
1930-2000	French	11640 13740
1930-2030	Vietnamese	9725K
2000-2030	Spanish	11640 13740
2030-2100	English	11640 13740
2100-2130	French	11640 13740
2130-2200	Japanese	12020 9840
2200-2230	Mandarin	12020 9840
2230-2300	Cantonese	12020 9840
2300-2330	Thai	12020 9840
2330-0000	English	12020 9840

Domestic Service Relays

0200-1000	Vietnamese	9875
2200-1600	Vietnamese	5925 *5975 6020 7210 9530

* 5975 is noted some days on 5970

Sign-off time is nominally 1600, but transmissions may close at different times, sometimes noted as early as 1400, and occasionally later than 1600. Close-down times for each channel may differ.

These relays carry VOV1 (News and Current Affairs), VOV2 (Economic/Social/Cultural/Education) and VOV4 (Ethnic minorities)

H'mong Service (VOV4) (Programs for ethnic minorities in Khmere, H'mong, Ede, Giarai Bana and Xedang)

0500-0600	Hmong	6165
1200-1300	Hmong	5035
1200-1300	Hmong	6165
2200-2300	Hmong	6165
2200-2300	Hmong	5035

Note: 5035 is not normally used for the 0500 service (noon in Vietnam)

K=Skelton, UK

M=Moosbrun, Austria

S=Sackville, Canada

(Compiled: Bob Padula, Apr-24/EDX)

UNIDENTIFIED 5387.72 UNID LA. April 2002. Continues to be heard both mornings and evenings. The station needs more of hard work and has a pretty lousy signal and seldom give any ID as it seems. When not broadcasting purchased religious programs, like "LV de la Salvacin" and "Radio Universal de Vida," it is instead mostly nonstop religious music. I know now that the station is located in a "departamento" and in that case both Ecuador and Bolivia are out of the question. The only geographic name I have heard so far is "Costa Rica" said by a female vicar during mass, what it now can be worth. (Malm SWB via Nilsson Apr 21/Cumbre DX/Fleming)

5796 I have reported an unID earlier on 5796, and it's there with a very weak signal from 22 UT or earlier. I doubt it is anything genuine, probably a harmonic, in that case perhaps the fifth of 828. The language on 5796 sounds like Russian, but I can't be 100 pct. sure. Long programs of various music, including piano jazz, and also a radio play tonight, Mar 31 at 2300. Earlier in the week they were there at 0320, and I tried to compare with 828, be it was not in parallel with a Russian-speaking station on the qrg, which very much sounded like the Radio Svobodna—Radio Liberty format. And R Liberty is indeed listed in Herman Boel's EMWG. (from St. Petersburg with 10 kW). Other checks, with R Rossii and Mayak, showed different programs too. Or is this my rx playing tricks with me? 73 (Johan Berglund, Trollhattan, Sweden. AOR AR7030, K9AY, lw 60 m, hard-core-dx via DX Listening Digest/Hauser-OK)

6715 USB, mystery station; The Korean speaking religious station was operating Wednesday Mar 13 at 2112 and Sunday Mar 17 at 1940 (on air already) until sudden off 2018. This is a strange one (Green, UK and Gropazzi, Italy, DSWCI DX Window Mar 27 via DX Listening Digest/Hauser-OK)

On Friday Mar 15 I checked this frequency at about 2130 and there was nothing at all. At recheck at 2205 it was booming in. Perhaps it signs on around 2200 on Fridays? (Vashek Korinek, RSA, DSWCI DX Window Mar 27 via DX Listening Digest/Hauser-OK)

6715, UNID Korean Religious Station, 2302-2336* Mar 29, first time hearing what others have been reporting. Generally poor signal with talks and religious vocals with broadcast terminated during a piano instrumental (Rich D'Angelo, PA, NASWA Flashsheet via DX Listening Digest/Hauser-OK)

Just came across an UNID Persian language station on 7300 kHz at 0930 UT. Not DW sce 9-930. Will check it further. Music and freq selection looks like Bulgaria, but latest schedule sent out by Ivo doesn't fit such a Persian service from Sofia (Wolfgang Buschel, Germany, March 31, DX Listening Digest/Hauser-OK)



QSL Report

Sam Barto • 47 Prospect Place • Bristol, CT 06010

QSL VERIFICATION
BHUTAN BROADCASTING SERVICE CORPORATION

Dear John L. Sgrulletta

Thank you for your reception report. We are pleased to verify your reception of our transmission.

Date: 10/07/2001 Time: 10:00 am

Frequency: 6035 kHz Power: 50 kW

 SIGNATURE

 OFFICIAL SEAL

ABU DHABI: Radio Australia 21780 via Al-Dhabbaya f/d "Kangaroo" cd. in 5 1/2 mo. (Craighead-KS).

ANGOLA: Radio Nacional de * Angola 11955.8 n/d ltr w/ postcard in 85 ds. for a PT rpt. and tape for \$1.00. (Klinck-NY).

ANGUILLA: Caribbean Beacon 6090 f/d "Studio" cd. in 8 mo. for a taped rpt. sent via registered mail. v/s Doris Musington. (Tilbury-Alaska).

ANTARCTICA (Argentine): LRA36 Radio Nacional Ancangel San Gabriel 15476 f/d cd. in 6 mo. for a 1999 reception. Also sent \$5.00 and 2 IRCs via registered mail. Thanks to DXer Gabriel Ivan Barrera in Buenos Aires for help on this one. (Tilbury-Alaska).

STATION INFO: Radio Borderhunter 6290 Addr: P.O. Box 73, NL-7160 AB Neede, Holland also 15794.9 w/ Addr: P.O. Box 44, B-2387 Bokkum, Belgium. **Radio Casablanca** 7120 via **IRRS** Addr: Alwin B, Ringstrasse 9, DE-26826 Stepelmoor Elms, Germany. **Radio Casanovas** 6240 same as **Borderhunter**. **Radio Cochiguaz** 6245 v/s Cachito Mamaní, DJ. Addr: Casilla 159, Santiago, Chile. **Radio Kluzenaars** 6295 same as **Borderhunter**. **Radio Like-deeler** 6305 same as **Borderhunter**...via PLAY DX.

"Radio Sicuani"
La Emisora Decana de Cuzco

 Onda Corta Internacional
OAX 7 F - 4935 Kcs
Banda de 62 mts

 Onda Media
GA X 7 R - 1365 Kcs
Banda Hertzométrica

CERTIFICADO DE SINTONIA

La Gerencia de Radio Sicuani - Cuzco - Perú, con la Dirección del Lic. Mario Ochoa Vargas y la Administración del Sr. Esaú Gamarrá Pino; otorgan la presente carta "QSL" de Verificación de sintonía de nuestra Onda Corta Internacional - banda de 60 metros, confirmando el reporte de sintonía del Sr. JOHN L. SGRULLETTA de la ciudad de Nueva York EEUU de América, quien ha sintonizado el 21 de Mayo del 2000 nuestra ondas entre las 04 28 horas hasta las 04 59 horas.

Por lo que agradecemos su audiencia de la señal internacional de Radio Sicuani y otorgamos la presente certificación como testimonio de la sintonía.

Sicuani, 17 de Noviembre del 2001.

 Lic. Mario Ochoa Vargas
Director

 Sr. Esaú Gamarrá Pino
Administrador

© Dos de Mayo 1970 - Tel: 084-351136 - Fax 351697 Email: Cercoasa @ molcaocapota.com.pe

ASCENSION ISLAND: Radio Telefis Eireann 21630 via **English Bay** f/d cd. in 43 ds. for 1 IRC. (Barbour). **BBC Atlantic Relay Station** 17830 ltr. in 7 wks. from Nicola Nicholls, Transmitter Engineer. (Fieled-MI).

ASIATIC RUSSIA: Voice of Russia 13665 via **Petropavlovsk Kamchatsky** f/d cd. in 1 mo. for an e-mail rpt. (Dybka-TN). 12065 via **Komsomolsk** for the **Herald Broadcasting Network** v/s Cindy Riehm. (Glotsbach).

AUSTRALIA: Voice International 21680 via **Darwin** f/d ltr. in 40 ds. for 2 IRC v/s Mrs. Lorna Manning, Site Adm. (Barbour-NH).



AUSTRIA: EDXC 9660 via Adventist World Radio via Moosbrunn f/d "Marconi Memorial" cd. w/ EDXC info. in 42 ds. for 1 IRC. The QSL came from Italy. (Barbour).

BELARUS: Radio Minsk 7210 via Kalodziscy stamped f/d "Hotel Agat" cd. w/ sticker, calendar, info. sheet and sticker in 26 ds. for 2 IRCs. (Barbour-NH).

BONAIRE: Radio Vlaanderen International 13700 f/d "Bragge 2002" cd. in 17 ds. for 1 IRC. (Brouillette-IL).

BOUGANVILLE: Radio Bougainville - North Solomons 3325 f/d prepared and stamped cd. in 3 mo. for a taped rpt sent via registered mail. v/s Aloysius Rumina. (Tilbury-Alaska).

We Get Letters: Jerry Klinck in East Aurora, NY says that QSLs have slowed down a bit. He wishes everyone a great Easter. Richard Lawrenson in Tiverton, RI says he was very pleased with the QSL from Mongolia. He got a QSL from BBC Thailand but originally thought it was going to be from Oman. He'll try again. Scott Barbour in Intervale, NH had a very productive QSL month. Scott lives very close to Echo Lake State Park and Mount Washington... Nice area. I camped at that park nearly 20 years ago....Sam.

SUPER

CANADA: Deutsche Welle 6040 via Sackville personal ltr. in 1 mo from Selke Broper, Technical Advisory Service telling me to send my rpts. to D-50588 Koln address. (Field-MI).

Radio Nederland 5965 via Sackville f/d "Nature" cd. w/ calendar, sticker and newsltr in 98 ds. for 1 IRC. (Barbour)

CLANDESTINE: Radio Fithi (Tigrean International Solidarity for Justice and Democracy) 15700 via Julich f/d ltr. in 4 mo. from Box 60040, Washington DC 20039. (Craighead-KS). Fang Guang Ming Radio 5925 verified through the Transmitter Documentation Project Office in 68 ds. w/ f/d "Tower" cd. presumably from Ludo Maes. (D'Angelo-PA).

COSTA RICA: Radio Casino 5954 ltr. in SP w/ pennant * in 258 ds. (Glottzbach-NM).

CROATIA: Hrvatska Radio 6165 via Deanovec f/d "Dish Antenna and Building" cd. in 106 ds. for 1 IRC. Schedule was rcvd. v/s Dane Pavlic. (Brouillette-IL). Hrvatska Radio Televizija 9830 via Deanovec personal ltr. w/ schedule in 228 ds.

CUBA: China Radio International 17720 via Habana f/d cd. (Glottzbach) w/o site along w/ paper cut and a personal note. Stickers were also rcvd. (Field-MI).




CZECH REPUBLIC: Radio Prague 21745 f/d cd. in 1 mo. w/ station pamphlet. (Field-MI). f/d "Castle" cd. w/ booklet on the "65 Years of Radio Prague" in 14 ds. for 1 IRC. (Barbour-NH).

EGYPT: Radio Cairo My rpt. and tape was returned opened. This is the 2nd time this has happened and my 5th time trying to verify Egypt. (Dybka). Very unusual...Sam.

DPL

QSL

AWR  Adventist World Radio



QSL STAMPS

Date 21 May Time 1953-1943 kHz 15200, 17630,
Hour UTC

2001 1953-1943 17820

Program details / Résumé de l'émission

15200: Vienna relay (Austria)

17630: Hörby relay (Sweden)

17820: Westachtal relay (Germany)

Name / Nom

Marie Alexander Humenik

Address / Adresse

26 Crestridge Heights Road

Weston, ON M9P 1A4

CANADA

Radio Canada International

P.O. Box 6000/C.P. 6000

Montréal, Canada

H3C 3A8

On December 12th, 1951, Guglielmo Marconi received the first transatlantic radio signal at Signal Hill, in St. John's, Newfoundland. Just 4 years before, on December 23rd, 1946, the Canadian inventor Reginald Fessenden became the first person to transmit the human voice via radio. This QSL card commemorates these important achievements in the history of radio.

ENGLAND: Salama Radio International
12025 p/d cd. w/ ltr. and station info. in 120 ds. (Klinck-NY). in 49 ds. for \$2.00 w/ sticker and a station calendar v/s Mr. Jacob Abdalla, Chairman. (Barbour-NH)... 12025 is via **Sk-elton**. 15475 via **Woofferton** p/d ltr. w/ schedule and sticker in 4 1/2

mo. Addr: Box 126, Chessington, Surrey KT9 2WJ. (Craighead-KS). 12025 and 15475 same in 2 mo. (Field-MI).

EURO PIRATE: Mike Radio 9290 f/d photo of their Rohde and Schwartz 750 * watt transmitter in 150 ds. for \$1.00. (D'Angelo-PA).

EUROPEAN RUSSIA: Radio Studio Doma Radio Gardarika 5920 f/d cd. in 65 ds. * for a taped rpt. and \$1.00. (Klinck-NY).

GERMANY: Radio Free Europe 11770 via **Holzkirchen** f/d cd. in 435 ds. v/s John Vodenik, VOA Delano Relay Station. (Glotzbach). **Swiss Radio International** 13790 via **Julich** f/d cd. in 2 mo. (Field-MI). **SBO - Voice of Oromo Liberation** 15715 via **Julich** f/d form ltr. in 3 wks. on my 3rd

STATION INFO: QBS Doha 17795 v/s Mohammed Jassem Al Qattar, Public Relations. Addr: P.O. Box 3939, Doha, Qatar. **Deutsche Welle** 17675 via **Samara** Addr: Technische Beratung, DE-50588 Köln, Germany. **Radio Santec** 11980 via **Samara** Addr: P.O. Box 5643, DE-97006, Würzburg, Germany. **Radio Vlaanderen International** 9925 via **Moscow** Addr: Brussels Calling, BE-1043, Brussels, Belgium. **True Light Station** 9450 via **Petro-pavlovsk** v/s Richard E. Adams, Director of China Radio. Addr: 53 Min Chuan West Road, 9th floor, Taipei 10418, Taiwan ...via **PLAY DX...Sam.**

try. Addr: P.O. Box 51061, 13366 Berlin. (Field-MI). **Radio Santec / Universelles Leben** 11840 via **Julich** f/d "Dove" cd. w/ personal ltr., stickers and a boat load of religious materials in 14 ds. for \$2.00. v/s Ms. Janette Wood. (Barbour-NH). **High Adventure Ministries** 15715 via **Julich** cd. in 2 mo from the Toronto addr. (Field-MI).

GOA: All India Radio

* 11740 via **Panaji** f/d



DEPARTEMEN PENERANGAN REPUBLIK INDONESIA
DIREKTORAT JENDERAL R.T.F.

RADIO REPUBLIK INDONESIA

STASIUN REGIONAL I TANJUNGPINANG

Jl. Gatot Subroto No. 26 Telp. (071) 245772 - 242747 Kotak Pos 24 Kode Pos 35213

Bandar Lampung, 26 February 1998

Kepada
Yth. : Richard A. D' Angelo
2216 Burkey Drive
Wysomissing, PA 19610

Dengan hormat,

Saudara Richard, kami telah menerima surat anda pada hari Senin tanggal 23 February 1998, mengenai laporan RRI Bandar Lampung.

Pada saat itu anda mendengarkan RRI Bandar Lampung, Jum'at tanggal 6 February 1998 pukul 05.30 - 06.05 WIB, pada frekuensi 88.36 meter dan dapat kami informasikan bahwa

pukul 05.30 - kami menyiarkan kuliah subuh *

05.30 - kami menghadirkan lagu selingan menjelang warta berita

06.00 - RRI Bandar Lampung ikut menyiarkan warta berita sentral dari RRI Jakarta

Untuk itu kami ucapkan terima kasih atas laporan penerimaan anda, dan kami cukup terkesan dengan hobby anda. Akhirnya salam kami untuk istri dan anak-anak anda serta teman-teman yang seahobby dengan anda.

Kepala Stasiun RRI Regional I
Bandar Lampung.



H. NASIR AGUN, MBA

NIP. 050016876

This is to certify that George Glatz Lach has successfully heard and sent a signal report to our station located at 11.9 mhz on Sept. 12, 1999 at 012 UTC. This certificate is to show our appreciation for your help and support.

WWBS Radio, Magon, Georgia USA

John Gray

cd. in 6 mo. from A.K. Bhatnagar for a taped rpt. sent via registered mail to New Delhi. (Tilbury).
GREECE: Voice of Greece 17705 & 15630 f/d cd. w/ schedule in

3 wks. (Field-MI).

HONDURAS: HRLW Radio Litoral 4830 "City Skyline and Flying Saucers Radio" cd. w/ small paper flag, 3 page form ltr. and other goodies in 1 mo. v/s Mateo McCollum, Gerente. (Craighead-KS). 4832 p/d cd. w/ ltr. and prepared cd. in 164 ds. for a SP rpt. tape and \$1.00. (Klinck-NY).

ICELAND: Rikisutvarpid / Icelandic National Broadcasting Station 13865 via Reykjavik stamped f/d "Blue Lagoon" cd. in 15 ds. for 1 IRC and a taped rpt. (Barbour-NH).

BARBARA GORGE, HEAR ALASKA

Date: 11. 8. 11

OFFICIAL VERIFICATION OF RECEPTION

Station: Radio Kabul
Location: Kabul, Afghanistan
Frequency: 15225 Kc
Power output: 500W
Type of antenna: D
Transmission schedule:
Available frequencies: 15225-1847
Ownership: State
Remarks:
Signed:

STATION INFO: **Radio Taipei International** 6280 v/s Miss Patricia Lin, Secretary. **Radio Ukraine**



International 5905 Addr: Vul Khreschchatyk 26, UKR-252001 Kiev, Ukraine. **Radio Telefis Eireann** 6155 via Rampisham Addr: RTE, Broadcasting Developments, Dublin 4, Ireland. **World Beacon Africa** 9675 via Meyerton Addr: 8133 Bay Meadows Way, Jacksonville, FL 32256. **Voice of the Mediterranean** 11770 via Samara Addr: P.O. Box 143, Valletta CMR 01, Maltavia PLAY DX.....Sam.

INDIA: All India Radio 10330 via Mumbai f/d cd. in 9 mo. for a taped rpt. * via registered mail. (Tilbury-Alaska).

JAPAN: NHK 9505 via Yamata f/d cd. in 1 mo. w/ schedule and calendar. (Field-MI).

KOREA, PEOPLES DEMOCRATIC REPUBLIC OF: Voice of Korea 11710 f/d "Monument" cd. w/ form ltr. schedule, magazines, 2 calendars, pennant and newsltr in 43 ds. for 1 IRC. (Barbour-NH). 11735 same stuff as above in 50 ds. for a rpt. "via Beijing". (Rugg-PQ).

LIBERIA: ELWA Radio 4760 p/d form ltr. in 52 ds. for \$2.00 via registered mail from the Ivory Coast maildrop. v/s Moses T. Nyantee, Station Manager and Sargbah Borkey, Chief Technician. (Barbour-NH).

MEXICO: Radio Mil 6010 ltr in SP w/ schedule, calendar, report forms and a f/d cd. in 1 mo. v/s Hector Garcia Bojorge,



RADIO FREE EUROPE
RADIO LIBERTY

100 COMMERCE AVENUE NW
WASHINGTON DC 20006
TELEPHONE (202) 332-2000

LETTER OF VERIFICATION

Mr. Mark Alexander Humenyk
26, Crestridge Heights Road
Weston, Ont. M9P 1A4
CANADA

26 June 2001

Dear Mr. Humenyk:

Thank you for your reception report of RFE/RL's programs, heard as follows:

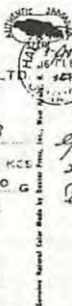
22 May 2001:
0217-0223 UTC in Russian on 9520 kHz, via Playa de Pals, Spain

Please accept this as full verification of your reception.

Yours truly,

David Walcutt

David Walcutt
Broadcast Operations Liaison



PLACE STAMP HERE

CABLE & WIRELESS (W.I.) LTD.

KINGSTON, JAMAICA W.I.

NO. W2 CONFIRM

STATION

64243

ACTIVE ON

9928

*Gerry Klinck
223 Putnam Road,
Buffalo 20, N.Y.
U.S.A.*

NOV. 29 1965 AT 2230 G

Thank you for your report.

75

54 to The Society Trading Co. Ltd., Kingston, Jamaica, The W. I. 11149

Seccion DX. (Field-MI).
MOLDOVA: Voice of Russia
7180 via Kishinyov f/d "Alexander Pushkin" cd. in 1 mo. for an e-mail rpt. (Dybka-TN).

MONACO: Trans World Radio
9870 f/d "TWR Europe" cd w/ schedule and other materials in 73 ds. for 1 IRC. v/s Ms. Beth Chick. Report was sent to Monaco but the QSL came from Austria. (Barbour).

NEW IRELAND: Radio New Ireland
3905 f/d ltr. in 249 ds. (Glottzbach).

NEW ZEALAND: Radio New Zealand International 17675 cd. in 6 mo. w/ schedule, tourist info. and station sticker. (Field-MI).
NORWAY: Radio Denmark 13800 via Kvitsoy f/d cd. w/ sticker and schedule in 18 ds. (Glottzbach-NM). 17525 via Sveio f/d "Painting" cd. w/ schedule and sticker in 10 ds. v/s Erik Koie. This was for 1 IRC. (Barbour)

NOTE: Gerry Klinck been in some illustrations of Caribbean QSLs when a few of the Cable and Wireless outlets, and others, used to carry sporting events in the 60's.

- PERU: Radio Paucartambo** 5895 cd. w/ * personal ltr. after 8 f/up rpts. in SP for a 1995 reception. Letter gave new freq. of 6520. (Field-MI).
* **Radio San Antonio de Padua de Callalli** 3375 n/d e-mail reply to 18 DXers in 23 ds. for a SP rpt. and \$1.00. v/s Hno Rolando del Carpio Montalvo, Director. Addr: Apartado Postal 1817, Arequipa, Peru. E-mail: rsan antinio14@hotmail.com
* Very pleased w/ this one. (D'Angelo-PA). **Radio Virgen del Carmen** 4886 cd. in 1 mo. after a f/up rpt. in SP. v/s Jose Lopez A., Director.
* Also rcvd. postcard. (Field-MI). **Radio Maranon** 4835 f/d "Logo" cd. w/ ltr., wall calendar and 3 pocket calendars in 49 ds. for a SP rpt.

Z N I X
BARBADOS

We confirm reception of ZNX
by Mr. *R. J. C. ...*
at *2:22* G.M.T. Date *20/1/64*

Many thanks for your report

Remarks: *...*

R. J. C.
Engineer BOARDED HALL

TELECOMMUNICATIONS DEPARTMENT,
P. O. Box 48,
Nassau, Bahamas.

This is to verify the reception of our Transmission.

By Gerry Klinck

Date 16th June, 1965

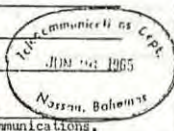
Time 0440 GMT

Frequency 3375 Kc/s

Emission A3

Power 500 W

Antenna DIPOLE



R. J. C.
Director of Telecommunications.

v/s Marco Rumiche Purizaca, Periodista. The package was sent via priority mail. Previously I rcvd. e-mail QSL. (D'Angelo-PA).

PHILIPPINES: Voice of America 9760 f/d "Sao Tome" cd. in 40 ds. v/s John Vodenik. (Clement-GA). 17820 f/d cd. in 1 mo. for SASE (Dybka-TN).

PORTUGAL: Deutsche Welle 9640 via Sines f/d cd in 1 mo. (Field-MI).

RWANDA: Deutsche Welle 15410 via Kigali f/d cd. in 1 mo. (Field).

SLOVAKIA: Adventist World Radio 5955 f/d cd. "Kids Kard #1" w/ ltr for a boy in Spokane, WA (I mailed it to

QSL VERIFICATION

RADIO STATION Voice of Broad Masses of Eritrea
TRANSMITTING FROM: ASMARA-ERITREA

Dear Mr. SAMUEL BARTO

We confirm with pleasure your reception report which conforms to the programs we broadcast. THANK YOU.

FREQUENCY: 7175 KHZ

Date: 9.12.98 Time 0900-0410

LANGUAGE: ARABIC

Signature

Official Seal



him). Maybe I'll get my QSL from him. All in 33 ds. for 1 IRC. (Barbour) **Radio Slovakia International** 5930 f/d cd. in 115 ds. (McGuire-MD).

SOUTH AFRICA: Adventist

World Radio 9650 f/d cd in 2 wks. w/ schedule. (Field-MI). same in 3 mo. from the London address. (Field). **Trans World Radio** 11640 via **SENTECH** f/d "Cape Town Transmitting Station" cd. w/ schedule in 41 ds. v/s Ms. Kathy Otto.

STATION INFO: The Russian Beacon 15475 v/s Jeff Johnson, Program Director. **CWA155 Radio Banda Oriental** 6155 v/s Nora San Martin, Directora. Addr: Sarandi 328, Sarandi del Yi, Duranzo, Uruguay. **Radio Los Libertadores en Cristo** 6270 v/s Pastor Julio C. Sanchez Bocanegra. Addr: Iglesia Evangelica Pentacostal, Sector Los Livertadores, Jiron San Martin s/n, Bagua Grande, Provincia de Utcubamba, Departamento de Amazonas, Peru. **Bloemenkwekerij** 6296 v/s Herbert Bloemen, Director. Addr: P.O. Box 145, NL-7160 AC Neede, Netherlands. **Classic Rock Radio** 7470 Addr: P.O. Box 663, NL-7900 AR Hoogeveen, Netherlands.... via Play DX....Sam.

THE UNITED STATES ARMED FORCES RADIO AND TELEVISION SERVICE

"THE VOICE OF INFORMATION AND EDUCATION"

1016 N. McCadden Place
Los Angeles 38, California



Thank you for your report of reception of AFRTS Programming Broadcast over Voice of America transmitter on:

6.1 MC Frequency **0100 EST; April 1961** Time - Date

Armed Forces Radio and Television Service
OFFICE OF INFORMATION & EDUCATION
DEPARTMENT OF DEFENSE



My original rpt. was sent via registered mail w/ 3 IRCs to TWR Swaziland addr. (Barbour-NH).

SRI LANKA: Deutsche Welle 11965 f/d cd. in 1 mo. (Field-MI). **Voice of America** 11820 via **Irawanala** f/d "Satelite Dishes" cd. in 42 ds. v/s John Vodenik. (Wilkins-MO).

TININAN: Voice of America 15150 f/d cd. in 1 mo. for SASE. v/s John Vodenik, Delano Transmitting Station. (Dybka-TN).

TURKEY: Voice of Turkey 6020 f/d "Souvenirers" cd. w/ schedule in 75 ds. for 1 IRC. (Barbour-NH). 17815 f/d "Turkish Woman" cd. w/ sticker and schedule in 35 ds. for 1 IRC. (Barbour-NH).

USA: AFRTS 12689.5 via **Key West, FL** f/d ltr. in 84 ds. v/s April Ball, Broadcast Operations Specialist. (Barbour). **WEWN** 11875 f/d "Map" cd.

The Voice of Tanzania Zanzibar
Department of Broadcasting
P.O. Box 1178
Zanzibar
Tanzania
Tel: 31985/33718/32324 Fax: 31985



This QSL card certifies that you listened to The Voice of Tanzania Zanzibar on (date): FEB 14, 2001 and FEB 24, 2001
at (time): 1742-1812 and 1948-2018 UTC/local.
on a frequency of: 11734 kHz.
Transmitter location: ZANZIBAR

Voice of Tanzania Zanzibar has a personnel number of 178. We run our transmitter 15 hours a day from 6:00 o'clock to 9:00 o'clock in the morning and later from 12:00 noon to 24:00 o'clock midnight. We have a 50 KW SW transmitter and a 50 KW MW transmitter located 5 km apart.

This card was designed and donated to Voice of Tanzania - Zanzibar by Guido Schotmans, Antwerp, Belgium.

DEAR MR EDWARD L. TILBORT
This to confirm that your Reception report is correct and Comto to you from Saudiya ya Tanzania Zanzibar. Voice of Tanzania Zanzibar broadcasts on freq. 11735 KHZ, from 18:00 to 20:00 hrs. our local program everyday. Our program are in KISWAHILI language. Transmitter Power is 50KW China Make. Enjoy our station. Thanks. Your's Transmitter SW Incharge
Khalid Hassan Rajab
Signature

ANSANTE SANA, KARIBU ZANZIBAR

Radio Rainbow
 +117 6005 2888
 Radio Arc - En - Ciel

C/o P.O.Box 140 104, 53056 BONN, GERMANY

Bonn, 24.11.2001

Dear Richard

Thank you so much for sending your reception report from 9th of November 2001 of our radio transmission. Please inform the Ethiopian people around you - if any- about the station.

Once again, our grateful thanks.

Yours sincerely

T. Assela

in 57 ds. v/s Shirley Ardaway. (Barbour-NH). **WTJC** 9370 f/d "Beacon" cd. w/ sticker, schedule & other info. in 9 ds. for SASE (not used) v/s David Robinson, Chief Engineer. (Barbour-NH). **WYFR** 5810 f/d "Globe and Staff Photo" cd. w/ schedule and calendar in 15 ds. (Barbour-NH).

USA (Pirates): Mystery Science Radio 6925 f/d QSL sheet in 3

wks. for a rpt. to the Elkhoe, NE mail-drop. Also rcvd. station bumper sticker. (Wilkins-MO). **Kdaze** 6925 f/d "Ren and Stimp" personalized QSL sheet via e-mail in 1 day for a rpt. to: kdaze6955@yahoo.com. (Wilkins-MO).

VATICAN: Radio Vatican 9605 and 7305 f/d cd. in 1 mo. (Field-MI). **Swiss Radio International** 6165 f/d cd. w/ site in 1 mo. (Field)...Lots of stuff in the news lately about the behavior of certain priests. Maybe they should be put in a cell with a guy named Bubba and handed a bar of "Pope on a Rope" soap and taken to the shower.

NOTES: Ed Tilbury says reception has been poor in Alaska this past winter. His only activity has been to send some f/up rpts. Better luck next season...Sam. **Andy Rugg** checks in from north of the border that he is extremely pleased with the QSL from Voice of Korea in Pyongyang. After all he has been trying for 15 years. **Jerry Klinck** says its been wild and windy in East Aurora, NY. Haven't lost any antennas but lots of branches are down. One gust was 76 mph. **Scott Bar-**

bour in NH says the package he received from North Korea was one of the largest he has ever received while DXing. It was full of all kinds of goodies. Reports are still out to the Solomons, Ghana and Mongolia. Hope to hear from them soon.

Best of QSLing. Till next time.....

Sam

Date	Time	RI#	Name / Mon
15 Dec.	Heure		Address / Adresse
2001	2240-2252	11600	Samuel Barto
Program details / Resume de l'émission			
6045: Skelton relay			47 Prospect Place
9805: Flows relay			Bristol, CT 06010
11600: Hörby relay			U.S.A.
Radio Canada International			

hour in NH says the package he received from North Korea was one of the largest he has ever received while DXing. It was full of all kinds of goodies. Reports are still out to the Solomons, Ghana and Mongolia. Hope to hear from them soon.

RCI RADIO CANADA INTERNATIONAL **QSL**

01-04-1999

Net Notes

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

The popular media show DX Party Line on HCJB, Quito, Ecuador, now has a new, unique, Web address of <http://dxpl.hcjb.org/>. The old address of <http://www.hcjb.org/english/dxpl.php> just leads to a blank page with no clue of where to turn to, so be sure to change your bookmarks/favourites entry.

LRA36, the Argentine station in Antarctica on 15476 kHz has been widely heard prior to its late afternoon sign-off. The Web pages with images have changed. Check http://www.ejercito.mil.ar/antarti/base_esperan/Fotos_Activid/pages/lra36_jpg.htm and http://www.fcapi.com.ar/esperanza/pagina_otras.htm for the latest images of the frozen continent.

Kim Elliott has closed Communications World aired on the Voice of America, but for the time being we continue to host the Web site at <http://www.trsc.com/cw>. If you wish to capture or archive some of the information from some of the scripts, please do so sooner than later. We're not sure how much longer the pages will continue to be available.

Do you use the Windows' Total Re-

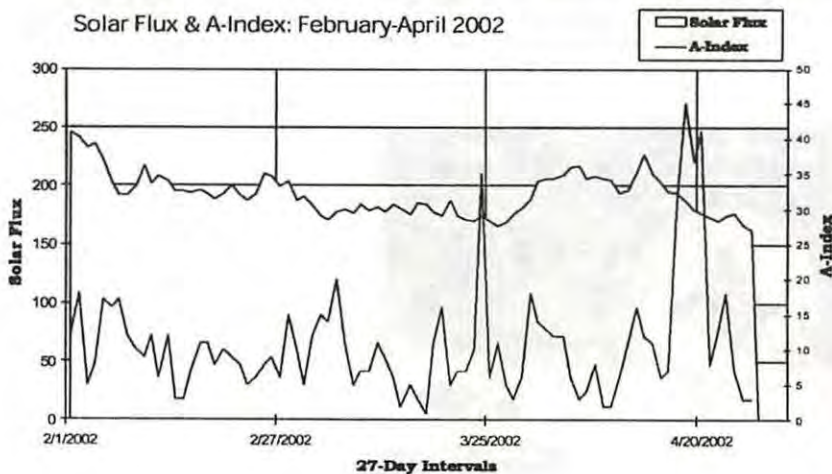
order program to capture audio from the sound card? It's a good program. Version 3.4 was just released. See <http://www.highcriteria.com/> for details.

Late April frequency changes from WWCN, Nashville: 15685 moves to 15825, and 7435 moves to 7465. Both changes were required to resolve interference problems in the target area. See the schedule at <http://www.wwcn.com/> for full details.

The Armed Forces Network (AFN) relaying broadcasts on SSB has never been one for disclosing accurate schedule information, but if programming is your bag check out <http://www.myafn.net/>. It seems listener-oriented and may be more responsive to inquiries.

We enjoyed some good reception conditions in early April, and added 8 new audio clips to the collection. Check them out at <http://www.trsc.com/audio.html>; you'll need a RealAudio Player. Most, if not all of the recordings were made with the TenTec RX-350 receiver. One is a stereo recording with the NRD-525 on the left channel; the RX-350, on the right.

Solar Flux & A-Index: February-April 2002



Contributors' Page

Bob Montgomery • P.O. Box 1458 • Levittown, PA 19058 • RMonty3@worldnet.att.net

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

Brian ALEXANDER, Mechanicsburg, PA	NRD-545 AOR AR-7030 100' LW
Sean BARBOUR, NH	ATS 818, RS antenna system
Jerry BERG, Lexington, MA	R8A 165' LW
Ralph BRANDI, Tinton Falls, NJ	AOR7030, R8, 250' longwire
Paul BROUILLETTE, Geneva, IL	Drake R8, ICF2010, 60' long wire
Peter COSTELLO, Matawan, NJ	AR3030 DX-390 YB400 70' LW Tun-4A
Rich D'ANGELO, Wyomissing, PA	Drake R8B, Lowe HF-150, DX Sloper
Mark FINE, Remington, VA	Drake R8A, 150' longwire
Bob FRASER, Cohasset, MA	Sony ICF-2003 ICF-SW100S 2m LW
George MAROTI, Mt. Kisco, NY	R8B, 2010, 30/45 m. dipoles
William McGUIRE, Cheverly, MD	DX-380
Bob MONTGOMERY, Levittown, PA	NRD535D, R390A, RX-320, HF150, SE3, active antenna
Ed NEWBURY, Kimball, NE	WJ-1000, R8, 60' sloper, 20' loop
Mike PACE, Tipton, IA	Drake SW2, MFJ1022
Earl URBELIS, Kings Park, NY	Kenwood TS940, Yaesu FT-980, Antron 99 ant.
Gerald WITHAM, Keaau, HI	R8, 185' split LW, ANC-4
Dan ZIOLKOWSKI, Franklin, WI	RX320, 100' wire antenna

Next month there will be a new tropical band editor. Sheryl has done a tremendous job over the years. I am sorry to see her move on. Not sure how she managed it for so long. A job well done!

73


Bob Montgomery



Tropical Band Loggings

Sheryl Paszkiewicz • 314 Riverview Drive, Apt 16 • Manitowoc, WI 54220 • spaszkiwicz@yahoo.com

SPECIAL ANNOUNCEMENT: The time has come. I am stepping down as tropical bands editor effective immediately. I've done it for 13½ years and it's time to let someone else take the reins. I really appreciate all the support you've given me all this time and I've made some great friends. At this time I don't know who my replacement will be, but I hope you will give him the support you've shown me. Thank you. I am still doing the *NASWA Flash Sheet*. If you haven't signed up yet, email Rich D'Angelo with your email address as he is the one who distributes it after I edit it.

- 2310 **AUSTRALIA ABC** 3/25 1146, EG vocals, poor //2325 & 2485 (Line-KS)
 3205 **NEW GUINEA R. Saundaun** 3/30 1155, Vern pops, fair (Lineback-KS)
 3235 **NEW BRITAIN R. West** 3/25 1151, trad. singing w/drums (Lineback-KS)
 3245 **PAPUA R. Gulf** 3/25 1140, Vern pops, poor (Lineback-KS)
 3265 **SULAWESI RRI Gorontalo** 3/30 1158, Indo pops, poor (Lineback-KS)
 3275 **PAPUA R. Southern Highlands** 3/26 1132, OM in Vern, (Lineback-KS)
 3315 **ADMIRALITY IS R. Manua** 3/25 1139-1202*, Vern pops, poor w/rapid fade, rising to fair by 1200, s/o w/NA (Lineback-KS) 4/5 1025 talk in English, ID "Radio Manus" @ 1031; spring is here.... (Brandi-NJ)
 3325 **KALIMANTAN RRI Palangkaraya** 3/25 1205, RRI nx by OM, (Lineback-KS)
 3345 **MOLUCCAS RRI Ternate 1157** 3/30, Indo pops, fair (Lineback-KS)
 3350 **COSTA RICA REE** 4/1 0215 SP dialog //9540 (Paszkiewicz-WI)
 3366. **GHANA BC Corp** 4/5 2315f Amazing reception at this time. Almost crystal clear reception in EE. Male preacher with long talks. S8 signal level. Fades to S6. 2317 hymn sung by group of with an upbeat tone. //3446.(Mont-PA)
 3905 **NEW IRELAND RNI** 3/26 1133, Vern pops, poor (Lineback-KS)
 3976 **KALIMANTAN RRI Pontianak** 3/30 1158, Indo pops, poor (Lineback-KS)
 4000.1 **SULAWESI RRI Kendari** 3/30 1158, Indo pops, fair (Lineback-KS)
 4716.8 **BOLIVIA R. Yura** 4/9 0022t Very nice music at tune in with signal level of S6. One tune after another with out comments from announcer. (Mont-PA)
 4753.4 **SULAWESI RRI Makassar** 3/18 not heard since 3-18-02 (Line-KS)
 4760 **INDIA AIR unknown location** 3/30 1206, Subcont mx, poor rising to fair by 1215 then fading, Delhi not audible, (Lineback-KS)
 4789 **IRIAN JAYA RRI Fak-Fak** 3/30 1159, Indo pops, poor (Lineback-KS)
 4874.6 **IRIAN JAYA RRI Sorong** 3/26 1134, Indo pops, poor (Lineback-KS)
 4890 **PAPUA NBC** 3/30 1156, EG pops, fair (Lineback-KS)
 4919 **ECUADOR R Quito** 4/4 0832-0922, Latin vocals hosted by a woman with Spanish talk and frequent IDs ("Radio Quito, la voz de la capital") and ads. good signal. (D'Angelo-PA)
 4960 **SÃO TOME VOA Pinheira** 4/6 0420-0434 Apr 6, man hosting a pop music program with VOA News Now ID and frequency announcements. Feature on health of Chesapeake Bay watershed followed. Fair signal but noisy (D'An)
 5015 **BRAZIL R. Pioneira** 3/24 no-frills s/on at 0800 with call ltrs and fqys, ID, inspirational msg, into mx prgm. (Berg-MA)
 5019.91 **SOLOMON ISLANDS Solomon Islands Broadcasting Corporation** 4/5 1056 religious program, prayer in English by minister from local church, ID @ 1059, station about to close, "on behalf of all of us at SIBC, good night", more IDs, frequency announcements, will resume transmissions tomorrow at 6 o'clock, NA, BBCWS pgm (Brandi-NJ) 1157 Apr 9, BBCWS (Line)
 5025 **BENIN Radio Parakou** 4/10 2230 music, announcements in French, ID @ 2300, then into national anthem, and off, revealing Rebelde (Brandi-NJ) 

International Band Loggings


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- 59576v **COLOMBIA Caracol** Villavicencio in SP 1000, int'l/local nx, ads, signal drift, g (Berg MA 3/17)
- 5965 **CANADA R Nederlands** relay in EG *1130, ID, "Newswire", rpt on cloning, g (McGuire MD 3/21)
- 5975 **ANTIGUA BBC** relay in EG 2308, race relations and how people in Afghanistan relate (Pace IA 3/15)
- 5985 **CONGO R Congo** in FR 2222, great mx, TC, short ancmts, ad, ID, g w/fades (Montgomery PA 4/7)
- 5995 **MALI R Mali** in FR 0606, African pop mx, many ID's, ancmts, tlks, //47829 (Brandi NJ 4/8)
- 60454 **PERU R Santa Rosa** in SP 0945, OA mx, ads, ID 0954, more mx (Brandi NJ 3/15) ED: only 3 kw.
- 6100nf **LIBERIA R Liberia Int** Monrovia in EG *0625, mx prior to s/on, NA, ID w/low audio, fqy, long pgm preview, upbeat mx, QRN, QRM, problem of good mx audio, bad voice audio (Berg MA 3/30)
- 61348 **BOLIVIA R Santa Cruz** in SP 0958, mx, ID right at 0958 tune-in (Brandi NJ 3/15)
- 6155 **UNITED KINGDOM R Telefis Eireann** relay via Rampisham in EG *0130, ID, nat'l nx, sports data, traffic reports, g (McGuire MD 3/20)
- 6165 **CROATIA Croatian Radio** in CR 2235, pop vcls in various langs, ID's, nx, f-g (D'Angelo PA 3/29)
- 6350usb **HAWAII Armed Forces Net** in EG 0831, CNN nx, promos, Consumer Report's tests for DVD players ID, "Speaking of Health", f (D'Angelo PA 3/20)
- 7155 **RUSSIA VOR Novosibirsk** in Farsi 1645, mx, cmntry, panpipe nx, IS, ID, g, //9360 (Witham HI 3/9)
- 7130v **ALBANIA R Tirana** in EG 2130, sked, fqys, nx, ID, fqy drift from 71265 up to 71301, then floated around listed fqy 7130 (Brandi NJ 4/13)
- 7200 **RUSSIA Sakha Radio** Yakutsk in RS 0900, R Rossii prgm to 0910, into local pgms to beyond 1030, organ IS, weak ID, OM saying "Execute" which seems to be part of their regular opening, tlks, nx??, ad stringers, lite instrum'ls, co-channel QRM, fqy a mess by 1015, //7345 (Berg MA 3/21)
- 7210 **BELARUS R Minsk** in EG 0300, nx, cmntry, tlks, g, in EG except TU/TH (Urbelis NY)
- 72103 **BENIN R Benin** Cotonou in FR 2203-2301*, Afro pop/rap mx, ancmts, ID "R Nacionale", phone-ins, orchestral NA at s/off (Brandi NJ 4/6, D'Angelo PA 3/17, Montgomery PA 4/7) in FR *0556-0615+, local drums, NA at s/on, tlk, ID 0600, variety of pop mx, g (Alexander PA 3/24)
- 72168v **ANGOLA R Nac de Angola** in PT 2301, nx, mx, tlks, ID's, lots of ham QRM (Brandi NJ 4/13)
- 7255 **MOROCCO VOA** relay in EG 0100, IS, ID, "News Now", rpt on Middle East, g (McGuire MD 3/20)
- 7325 **LITHUANIA R Vilnius** Sitkunai in EG 0035, nx, ID, rpt on tourism in Latvia, g (McGuire MD 3/27)
- 7370 **UKRAINE R Ukraine Int** Simferopol in EG 0100, IS, nx, pgm re lcl culture, lcl folk mx, return fqy, (Alexander PA 3/30) in EG 0400, IS, ID, nat'l nx, tlk re Ukrainian parliament, g (McGuire MD 3/27)
- 9520 **PHILIPPINES R Veritas Asia** in EG/CH 0940, ezl mx w/o ancmts, full ID in EG 0959, into xmsn in Mandarin at 1000, exc w/slight polar flutter (Brandi NJ 3/28)
- 9550nf **CONGO R Okapi** Kinshasa in FR/SH/vern 2035-2250+, new UN-Hirondelle station in USB, "Okapi" jingle ID, soul-type or Afro vcls, crisp audio cut thru QRM from Cuba, fades, signal improves over evening and was dominant over Cuba at 0145, 10 kw ?? xmtr rptd (Berg MA 3/18, Maroti NY 3/17)
- 9570 **CHINA China National Radio** Xi'an in EG 1745, interview w/welfare recipient, tlk re volunteer taxi drivers offering free rides to the poor, radio travelog, f (Witham HI 3/21)
- 9655 **TURKEY V of Turkey** in EG *2300, IS, ID, tlk re TK EU membership hopes (Brouillette IL 3/10)
- 9660 **AUSTRIA AWR V of Hope** relay in EG 2100, Bible programs, ID's, request QSLs, g (Urbelis NY)
- 9705 **IRAN VOIRI** Kamalabad in RS 1610, tlk over mx, ID, many ments USA, f, //11785 (Witham HI 3/9)
- 97057 **NIGER LV du Sahel** Niamey in FR 2222, Cuban mx, ID, phone calls, into AR Qu'ran?, NA matching Internet version, brief test tone and off at 2300, wobbly carrier (Brandi NJ 4/13)
- 9737 **PARAGUAY R Nacional** Asuncion in SP 2300, nx, info, ads, ID's, ranchera mx, g (Urbelis NY)
- 9750 **SRI LANKA VOA** relay in Pashto *0100, ID, IS, regional nx, g (McGuire MD 3/27)
- 9765 **CANADA Deut Welle** relay in EG 0115, rpt on elections in Portugal, ID, g (McGuire MD 3/19)
- 9800 **BULGARIA Radio Varna** in BG 0104, pop mx w/YL DJ, ID's, low modulation (D'Angelo PA 4/1)
- 9850 **GERMANY Deut Welle** Wertachtel in TK 0628, IS, ID, web site, nx, //11680 (Witham HI 3/6)

- 9860 **RUSSIA VO Russia** via Armavir relay 0245, DX feature profiling stations in Chile, ID, nx briefs (Brouillette IL 3/6)
- 9875 **LITHUANIA R Vilnius** Sitkunai in EG 2330, ID, political nx, rpt on poverty, "Welcome to Easter Monday", story of town w/Franciscan church (McGuire MD 3/12, Newbury NE 4/1)
- 11550 **TAIWAN R Australia** relay in IN 2200-2255, nx, tlks, EG lessons daily at 2230, g (Urbelis NY)
- 11580 **NO MARIANAS KFBS Saipan** in EG/Mandarin 1203, EG lessons using Bible verses, into total Mandarin 1208, mx, nx 1215, many ments Hong Kong, choppy sig, f-p (Brbour NH 3/26)
- 11665 **FRANCE RFI** Issoudin in Farsi/FR 1620, tlks, interview, into FR 1630, //13580 (Witham HI 3/9)
- 11675 **NEW ZEALAND NZ Forces Radio** relay in EG 1105, new weekend prgms for NZ Defense Forces overseas, military-related nx etc. (Berg MA 3/23) regular pgming in EG hrd at 1036 w/discussion of Impressionist painters, paintings, and personalities, exc (Newbury NE 4/1)
- 11690 **FINLAND Scandinavian Weekend Radio** in FN 2310, twangy guitar, C&W mx, Johnny Cash and "Ring of Fire", phone #, much QRM, R Vilnius took over fqy 2400 (Berg MA)
- 11720 **FINLAND Scandinavian Weekend Radio** in FN 0034, soul mx, phone #, website, obliterated by WYFR tuning up at 0048 (Brandi NJ 4/6)
- 11755 **GUAM KSDA Adventist World R** relay in EG *1330, relig tlk and mx, ID, UK and Guam addresses, fqy, target areas, website, off at 1400, rough copy (Barbour NH 3/4)
- 11765 **ALASKA KNLS** Anchor Point in EG *0800, IS, ID's, Bible pgms, req rpts, tlk on tourism, DX pgm, (Urbelis NY)
- 11800 **ITALY RAI** Rome in EG 0100, rpt on Europe facing a tidal wave of illegal immigrants (Fraser MA)
- 11825 **UNITED KINGDOM VOA** relay Wooferton in EG 0533, VOA "News Now", spec pgm re Japanese Shortwave Club and SWL in Japan, tlk re VOA JP service, req rpts to JP QTH (Berg MA 3/16)
- 11840 **GERMANY R Santec Universal Life** relay via Juelich in EG 1810, ID, QTH, contribution req, pgms: "The Words of Pastor Wayne" and "Original Christians" (Witham HI 3/8, Barbour NH 3/3)
- 11840usb **RUSSIA R Sakhalin** in RS 0900, break away from R Rossii programming for one hour of local pgmg, open w/piano melody, mostly mx and phone tlk, positive ID (Berg MA 3/22)
- 11905 **UZBEKISTAN R Tashkent** in EG 2310, nx, tlks, folk mx, g (Urbelis NY)
- 11960 **GUAM KSDA Adventist World R** relay in EG/JP 2100, ID's and fqys in EG/JP, into fanfare-type intro mx and special on Japanese Shortwave Club, all tlks between 3 JP OM's, ment "SW DX Digest", fanfare mx again at 2121 and return to regular prgmg, exc (Berg MA 3/17)
- 11970 **IRAN VOIRI** Kamalabad in EG *0030-0132, ID, musical fanfare, Holy Koran recitation followed by nx, vg, andc // fqys as 6035 and 6065 but not heard tho //9610 hrd with vg signal (D'Angelo PA 4/3)
- 11995 **FRANCE RFI** Issoudin in FR 2142, ID, reference to Barnes & Noble, rock mx, g (Newbury NE 4/1)
- 12020 **VIETNAM V of Vietnam** Hanoi in EG *1000, nx re VT women's union, pgm re music festival, ID at 1027*, f-p (Barbour NH 3/22)
- 12040 **HUNGARY R Budapest** in HG 2350, M & W in lengthy discussion, occasional classical mx bridges, ID at s/off 2358, listed as weekly xmsn for So America (Brouillette IL 3/30)
- 12060 **RUSSIA VOR** via Armavir relay in PT 2340, tlk on medical research in Russia (Brouillette IL 3/30)
- 12070 **MADAGASCAR R Voice of Hope** relay in EG/AR *0427, IS, ID, sked, nx on peace tlks, vernacular mx, xmtd only on Saturday - i.e. Friday nite in USA, g (Urbelis NY)
- 13605 **INDIA AIR** Bangalore in EG 1837, mx pgm, nx 1900 re Pakistan & terrorism, ID, cmntry re speaker of parliament, feature "Persons, Places, and Things", g, //15155 Aligarh (Barbour NH 3/5)
- 13680 **CANADA China Int R** relay Sackville in EG 2318, rpt on US "violations" of WTO rules (Fraser MA)
- 13685nf **AUSTRALIA Voice International** Darwin in EG *1000, upbeat prgmg, nx, sports, wx rpts, preview of pgms, sked, fqys, promos, pop & Christian mx, ID, QTH, switch to 13635 at 1100 (Berg MA 4/3)
- 13700 **NETHERLAND ANTILLES R Vlaanderen** relay Bonaire in EG *2230, "Radio World", feature on tourism, exc (Brouillette IL 3/10)
- 13820 **GERMANY United Methodist Church** relay Juelich in EG 1710, lively relig mx, rpt abt "A Peaceful Tomorrow", a group opposed to the war in Afghanistan and an appeal to help the refugees, f, //11735 (Witham HI 3/2)
- 13685 **ICELAND Iceland R** Reykjavik in IC *1411, ID, fqy, nx, field rpts, s/off 1440 (Barbour NH 3/2)
- 15095 **PHILIPPINES FEBC** in Lisu 1420, tlk, IS (matched Kernick's website), pips (Brandi NJ 4/11)
- 15110 **KUWAIT R Kuwait** in EG 0500, nx, Islam tlks, pop mx mix, g, //11990 (Urbelis NY)
- 15190 **PHILIPPINES R Pilipinas** in IN 1745, political cmntry, econ nx, mx, laughter, f (Barbour NH 3/5)

- 15355 **OMAN R Sultanate of Oman** in EG/AR 0300-0358*, Koran in AR w/EG translations on the recited verses, US pop mx, chimes, nx 0330, phone tlk, abruptly off 0358, f-g (Alexander PA 3/16)
- 154557 **PAKISTAN R Pakistan** Islamabad in EG 0006, cmntry on Pakistan's relationship with India, mx, ID at 0016, f (Fine VA 4/11) in lang?/EG 0205, ID & sked in EG, NA, off 0215 (Montgomery PA 4/11)
- 154755 **ANTARCTICA LRA36 R Nac Arcangel** San Gabriel in SP 2140-2210*, continuous SP romantic ballads, tangoes, ID 2158, abrupt s/off w/o ID on different days (Alexander PA 3/29, Brandi NJ 4/2)
- 15475 **RUSSIA R Rossii** Irkutsk in RS 0152, nice mx, no tlk until 0201, then ID, nx? (Montgomery PA 4/6)
- 15775nf **SRI LANKA VOA** relay in Oromo 1850-1900*, nx, rpt on Palestine, IS, EG ID, replaces 15160, g (Witham HI 3/21)
- 17525 **NORWAY R Denmark** relay in DN 1430, ID at s/on, world nx, NA at 1455*, vg (Barbour NH 3/8)
- 17795 **AUSTRALIA RA** in EG 2350, pgm on ocean pollution & overfishing, g (Brouillette IL 3/31)
- 17820 **PHILIPPINES VOA** relay in EG 2337, feature on increasing church attendance by teens in the USA, (Brouillette IL 3/31)
- 17835 **RWANDA Deut Welle** relay Kigali in EG 2117, nx abt Zimbabwe elections, rpt on anonymous reporter who fears reprisal (Newbury NE 3/9)
- 17850 **UNITED ARAB EMIRATES World Beacon** relay in EG 1815, ID, relig tlk, QTH in USA, website "African Beacon", p (Barbour NH 3/5)
- 17895 **MOROCCO VOA** relay in EG *1700, ID for African service, rpt on Israel, g (McGuire MD 3/31)
- 17895 **AUSTRIA R Africa Int** relay in FR/EG *1500, ID, fqys, mx singing of names of African countries, nx in FR, sports nx in EG, rap mx, f (Barbour NH 3/18)
- 20276 lsb **ARGENTINA R Rivadavia** feeder in SP 0210-0315+, tlks, brief mx breaks, promos, ads, pips 0230 & 0300, SP ballads, f, better on //15820 LSB (Alexander PA 3/30)
- 21550 **CHILE Voz Cristiana** Santiago in SP 1955, Christian women's pgm, seemed live (Brouillette IL 3/9)
- 21680 **AUSTRALIA Christian Voice** Darwin in EG 0035, ID, pop tunes, relig mx, g-f (Montgomery 3/28)
- 21700 **SPAIN R Ext de España** in SP 1930, live futbol coverage, local quality signal (Brouillette IL 3/9)
- 21705 **SAUDI ARABIA BSKSA** Riyadh in AR 1430, tlk w/background mx, street interview, lots of AR mx, abrupt s/off 1458 (Barbour NH 3/15)
- 25820 **FRANCE RFI** Issoudun in EG 1218, quiz pgm, tlks on future of radio, into FR 1230 (Barbour NH)

Clandestine, Tentative, Presumed, Or Unknown

- 6715 **UNIDENTIFIED Korean Religious Station** in KR 2302-2336, tlks, relig vcls, bcst abruptly terminated at 2336 during piano instrum'l, apparently xmts on Fri only, rtty QRM (D'Angelo 3/29, Berg 3/21)
- 7100 **IRAN V of Islamic Revolution of Iraq** relay in AR 0329, anthem?, military patriotic male chorus, recorded message, Koran?, long tlk w/background mx, AR mx (Barbour NH 3/7)
- 7130 **MADAGASCAR Zimbabwe V of the People** relay via R Nederland xmts in EG/verns *0330-0430, new xmsn supplementing listed 1700-1830 (too early for ECNA), s/on w/brief instrum'ls, ED ID, very difficult to read due to QRM spillover and co-channel stns, website for details on VoP (Berg MA 3/23)
- 9785 **PHILIPPINES Clandestine R Free Afghanistan** relay in Dari 1750, tlks in lang, brief translation in EG about new weapons, s/off at 1800, g, //11920 f (Witham HI 3/21)
- 11000 **CHINA(p) CNR Beijing 6(p)** in CH 1247, tlk, EG pop tune, weak & jammed (Ziolkowski WI 3/17)
- 11570 **UNKNOWN SITE R Free Asia** in Cambodian 2318, oriental flute, string/percussion interludes, pgm sked 2325, YL vocals, abruptly off 2330 (Costello NJ 4/15)
- 12055 **UNIDENTIFIED Scandinavian-sounding lang** 0010, nx, tlk on current affairs (Brouillette IL 3/17)
- 17805 **GERMANY(p) Democratic V of Burma** relay Juelich(p) in Burmese? *1430, chimes, bells, tent ID, fade out around 1515 (Barbour NH 3/1)
- 17525 **BULGARIA Clandestine Radio Sedaye (Radio Voice of Iran)** in Farsi *1630-1730, ID, nx in Farsi, brief mx breaks, mainly tlks re Mideast events, good, faint background jamming (D'Angelo PA 3/31)
- 17750 **LIBYA(t) V of Africa** Tripoli om EG 0040, tlks re problems in the Mideast, into FR 0155, ID?, heard Under a second unknown station on same freq, fair sig w/low audio (Montgomery PA 4/4) 

English Schedules

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0000-0007		SLBS, Sierra Leone	3316.0do						
0000-0015		V. of Cambodia	11940.3as						
0000-0015		Radio Japan	6145.0na	13650.0as	17810.0as				
0000-0015		Radio Pakistan	11580.0as	15455.7as					
0000-0027		Radio Prague Int'l	7345.0na	11615.0na					
0000-0030		Radio Australia	9660.0pa	12080.0pa	15240.0pa	15415.0as	17580.0pa	17775.0as	
			17795.0pa	21725.0as					
0000-0030		Radio Cairo	9900.0am						
0000-0030		Sri Lanka B'casting Corp.	4940.0in						
0000-0030		Radio Thailand	9690.0af						
0000-0030		BBC World Service	3915.0as	5970.0as	5975.0ca	6195.0as	7105.0as	9410.0as	
			9825.0sa	11835.0ca	11945.0as	11955.0as	12095.0sa	15280.0as	
			15310.0as	15360.0as	17615.0as	17790.0as			
0000-0030		VOA	7215.0as	9770.0as	11760.0as	15185.0as	15290.0as	17740.0as	
			17820.0as						
0000-0100	twf	VOA	5995.0am	6130.0am	7405.0am	9455.0am	9775.0am	11695.0am	
			13790.0am						
0000-0030	mtw	Radio Yugoslavia	9580.0in						
0000-0045	hfa	All India Radio, Delhi	9705.0as	9950.0as	11620.0as	13605.0as			
0000-0055		Radio Exterior de Espana	15385.0na						
0000-1000		Caribbean Beacon	6090.0am						
0000-0830		ABC Alice Springs	2310.0ir	4835.0do					
0000-0830		ABC Katherine	5025.0do						
0000-0830		ABC Tennant Creek	4910.0do						
0000-0515		CBC Northern Service	9625.0do						
0000-0100		Radio Canada Int'l	9640.0as	11895.0as					
0000-0100		R. for Peace Int'l	7445.0ir	15038.8va	21815.0uf				
0000-0500	a	Scandinavian Weekend R.	5980.0va	11720.0va					
0000-1000		Voice of Guyana	3291.3do	5949.4do					
0000-0100	s	Radio Finland	11990.0na	13730.0na					
0000-0130		Voice of Hope, Lebanon	6025.0as						
0000-0100		RTM Radio 4, Malaysia	7295.0do						
0000-0800		NBC Windhoek, Namibia	3270.1af	3290.1af					
0000-0125		Radio Netherlands	6165.0na	9845.0na					
0000-0500		Radio New Zealand Int'l	17675.0pa						
0000-0900		Nat'l BC, Papua NG	9675.0do	11880.0ir					
0000-1100		SBC Radio 1, Singapore	6150.0do						
0000-1100		SIBC Solomon Islands	5019.9do	9545.0do					
0000-0100		Radio Ukraine Int'l	5905.0eu	7320.0as	9640.0eu	12000.0eu	12040.0na		
0000-0100		KALJ Dallas TX	13815.0va						
0000-0100		KTBN Salt Lake City UT	15590.0na						
0000-0400		KWHR Naalehu HI	17510.0as						
0000-0300		University Network	9940.0as						
0000-0400		WBCQ Monticello ME	7415.0na	9335.0na					
0000-1000		WEWN Birmingham AL	5825.0na						
0000-0500		WHRA Greenbush ME	7580.0eu						
0000-1000		WHRI Noblesville IN	5745.0va	7315.0am					
0000-0300		WINB Red Lion PA	12159.9am						
0000-0200	sm	WRMI Miami FL	9955.0am						
0000-0200	twf	WRMI Miami FL	7385.0na						
0000-0300		WRNO New Orleans LA	7354.4va						
0000-0100		WSHB Cypress Creek SC	9430.0am	15285.0sa					
0000-0100	sm	WWBS Macon GA	11910.0uf						
0000-0100		WWCR Nashville TN	3210.0na	5070.0na	7435.0na	13845.0na			
0000-0600		WWRB Manchester TN	5085.0uf	6890.0uf					
0000-0100		WYFR Okeechobee FL	6085.0na	9505.0na					
0000-0600		Radio Vanuatu	3945.0al	7260.0do					
0000-0300		Christian Voice, Zambia	4965.0do						
0015-0100		Radio Japan	6145.0na						
0020-0030	w	Kyrgyz Radio, Bishkek	4010.0						
0030-0130		Radio Australia	9660.0pa	12080.0pa	15240.0pa	15415.0as	17580.0pa	17750.0as	
			17775.0as	17795.0pa	21725.0as				
0030-0130		VOIRI Teheran	9610.0am	11970.0na					
0030-0100		Radio Vilnius, Lithuania	9855.0al	11690.0na					

0030-0200		Sri Lanka B'casting Corp.	4940.0in	6005.0as	6075.0as	9770.0as	15425.0as	
0030-0100		Radio Thailand	15395.0na					
0030-0100		AWR Africa, UAE	6035.0as	6055.0as				
0030-0100		BBC World Service	5970.0as	5975.0ca	6195.0as	7105.0as	9410.0as	9825.0sa
			11835.0ca	11955.0as	12095.0sa	15280.0as	15310.0as	15360.0as
			17790.0as					
0030-0100		VOA Special English	7215.0as	9770.0as	11760.0as	15185.0as	15290.0as	17740.0as
			17820.0as					
0043-0050		Croatian Radio, Zagreb	9925.0sa					
0050-0056		Int'l BC Tamil	11570.0as					
0055-0115		RAI, Rome	9675.0na	11800.0na				
0100-0127		Radio Prague Int'l	6200.0na	7345.0na				
0100-0127		Voice of Vietnam	6175.0na					
0100-0130	s	Universal Life, Germany	9435.0as					
0100-0130		Radio Budapest	9560.0na					
0100-0130		Radio Slovakia Int'l	5930.0na	6190.0ca	9440.0sa			
0100-0300		VOA	7115.0as	9635.0as	11705.0as	11725.0as	11820.0as	13650.0as
			17740.0as	17820.0as				
0100-0130	tw hfa	VOA	5995.0am	6130.0am	7405.0am	9455.0am	9775.0am	13790.0am
0100-0130		Radio Tashkent	5025.0as	7190.0as	9375.0as	9530.0as	9715.0as	
0100-0145		Deutsche Welle	6040.0na	9640.0am	11810.0na	13720.0am		
0100-0156		China Radio Int'l	9580.0na	9790.0na				
0100-0156		Voice of Korea	6195.0as	6520.0am	7140.0as	7580.0am	9345.0as	11735.0am
0100-0159		Radio Canada Int'l	5960.0am	13670.0am	15170.0am	15305.0am		
0100-0200		R. for Peace Int'l	7445.0ir	15038.8va	21815.0ir			
0100-0500		Radio Havana Cuba	6000.0na	9820.0na	11705.0uf			
0100-0200		HCJB Quito Ecuador	9745.0na	11960.0na	21455.0uf			
0100-0200		Voice of Indonesia	9525.0as	11785.0as	15150.0as			
0100-0200		Radio Japan	11860.0as	11870.0me	11880.0me	15325.0as	17685.0pa	17810.0as
			17835.0sa	17845.0as				
0100-0200		Voice of Russia	9665.0na	9725.0na	11825.0na	12000.0na	17595.0na	
0100-0200		BBC World Service	5975.0ca	6195.0as	9410.0as	9825.0sa	11835.0ca	11955.0as
			12095.0sa	15280.0as	15310.0as	15360.0as	17790.0as	
0100-1300		KAIJ Dallas TX	5755.0va					
0100-0230		KJES Vado NM	7555.0na					
0100-1500		KTBN Salt Lake City UT	7510.0na					
0100-0200		WSHB Cypress Creek SC	9430.0na	15285.0sa				
0100-0400		WWCR Nashville TN	3210.0na	5070.0na	5935.0na	7435.0na		
0100-0200		WYFR Okeechobee FL	6065.0na	9505.0na	15060.1as			
0105-0112		Croatian Radio, Zagreb	9925.0na					
0130-0200		Radio Australia	9660.0pa	12080.0pa	15240.0pa	15415.0as	17580.0pa	17750.0as
			17795.0pa	21725.0as				
0130-0200		ORF Vienna	9870.0na					
0130-0200		Radio Iraq Int'l	9687.0ir	11787.0ir				
0130-0200		Radio Telefis Eireann	6155.0ca					
0130-0200		Radio Sweden	13625.0as					
0130-0200	tw hfa	VOA	5995.0am	6130.0am	9455.0am			
0130-0200	tw hfa	VOA Special English	7405.0am	9775.0am	13740.0am			
0140-0150	tw hfa	Voice of Africa, Libya	15435.0ir	17750.0ir				
0140-0200		Vatican Radio	9650.0au	12055.0au				
0145-0200		Radio Tirana, Albania	6115.0na	7160.0na				
0200-0210		Radio Bangladesh	4882.0as					
0200-0230		AWR Europe, Austria	9820.0me					
0200-0230	sm w fa	Radio Minsk, Belarus	5970.0eu	7210.0eu				
0200-0230		Voice of Hope, Lebanon	9615.0as					
0200-0300		BBC World Service	5975.0ca	6195.0eu	9410.0eu	9770.0af	9825.0sa	11835.0ca
			11955.0as	12095.0sa	15280.0as	15310.0as	15360.0as	17790.0as
0200-0245		Deutsche Welle	11965.0as	13720.0as	15370.0as			
0200-0256		Voice of Korea	9325.0as	11335.2as				
0200-0256		Radio Romania Int'l	9510.0na	11810.0as	11940.0na	15105.0as	15180.0au	17815.0au
0200-0257		Radio Canada Int'l	15260.0as	17860.0as				
0200-0300	tw hfa	RAE Buenos Aires	6060.0am	11710.0am				
0200-0400		Radio Australia	9660.0pa	12080.0pa	15240.0pa	15415.0as	15515.0pa	17580.0pa
			17750.0as	21725.0as				
0200-0300		Radio Bulgaria	9400.0na					
0200-0500		R. for Peace Int'l	7445.0uf	15038.8va	21815.0ir			
0200-0330		HCJB Quito Ecuador	9745.0na	11960.0na	21455.0uf	21470.0as		
0200-0330		Radio Cairo	9475.0am					
0200-2400		RTM Radio 4, Malaysia	7295.0do					
0200-0300		Radio Myanmar	7185.0do					
0200-0330	s	Radio Pilipinas, Manila	11885.0me	15120.0me	15270.0me			
0200-0300	a	Voice of Russia	9665.0na	9725.0na	12000.0na	17595.0na		
0200-0300		Radio Korea	9560.0na	15575.0na				
0200-0430		Sri Lanka B'casting Corp.	6005.0as	6075.0as	6130.0do	9770.0as	15425.0as	
0200-0300		Radio Taipei Int'l	5950.0na	9680.0na	11740.0va	15320.0as	15345.0as	
0200-0900		WRMI Miami FL	7385.0na					

0200-0300		WSHB Cypress Creek SC	7535.0am	9430.0na						
0200-0400		WYFR Okeechobee FL	6065.0na	9505.0na						
0215-0220		Radio Nepal, Katmandu	3230.0as	5005.0as	7164.4as					
0230-0257		Voice of Vietnam	6175.0na							
0230-0300		Radio Tirana, Albania	6115.0na	7160.0na						
0230-0300		Radio Budapest	9570.0na							
0230-0300		Radio Sweden	9490.0na							
0230-0300	a	Wales Radio Int'l	9795.0na							
0243-0250		Croatian Radio, Zagreb	9925.0na							
0245-0300		BBC English Teaching	9610.0af							
0250-0310		Vatican Radio	7305.0am	9605.0am						
0250-2205		Zambia Nat'l BC Corp.	6165.0do	6265.0do						
0300-0327		Radio Prague Int'l	7345.0na	7385.0na	9870.0na					
0300-0330	s twhfa	Radio Mexico Int'l	9705.0am	11770.0am						
0300-0330		Channel Africa, S. Africa	6035.0af							
0300-0330		Radio Thailand	15395.0na							
0300-0330		BBC World Service	3255.0af	5975.0ca	6005.0af	6190.0af	6195.0eu	7120.0af		
			7160.0af	9410.0eu	11730.0af	11835.0ca	12035.0af	12095.0eu		
			15280.0as	15310.0as	15360.0as	15575.0me	17635.0as	17790.0as		
			21660.0as	21830.0as						
0300-0330		VOA	5855.0af	6080.0af	7105.0af	7275.0af	7290.0af	7340.0af		
			9575.0af	9885.0af	17895.0af					
0300-0345		Deutsche Welle	9535.0na	9640.0na	11935.0am	15105.0na				
0300-0356		China Radio Int'l	9690.0na							
0300-0356		Voice of Korea	6195.0as	7140.0as	9345.0as					
0300-0600		Radio Botswana	3356.0do	4820.0do	7255.0do					
0300-0430		Radio Cultural, Guatemala	3300.0do	5955.0in						
0300-0400	sm	R. Luz y Vida, Honduras	3250.0ca							
0300-0400		Radio Japan	17825.0ca	21610.0pa						
0300-0600		Voice of Islam, Malaysia	6175.0as	9750.0sa	15295.0au					
0300-0400		Radio Sultanate Oman	15355.0af							
0300-0500		Voice of Russia	1780.0na	9665.0na	11750.0na	12000.0na	17565.0na	17650.0na		
			17660.0na	17690.0na						
0300-0400		Radio Taipei Int'l	5950.0na	9680.0na	11875.0pa	15320.0as				
0300-0400		Voice of Turkey	7270.0af	11655.0va						
0300-0600		Radio Uganda	4976.0do	5026.0do	7196.0do					
0300-0400		Radio Ukraine Int'l	7150.0eu	9640.0eu	12040.0na					
0300-1600		University Network	17765.0as							
0300-1500		WRNO New Orleans LA	7394.3am							
0300-0400		WSHB Cypress Creek SC	7535.0eu	11550.0eu						
0300-0600		Christian Voice, Zambia	6065.0do							
0300-0530		Zimbabwe BC Corp.	4828.0do	6045.0do						
0305-0312		Croatian Radio, Zagreb	9925.0na							
0310-0340		Vatican Radio	9660.0af							
0330-0357		Radio Prague Int'l	11600.0as	15620.0as						
0330-0357		Voice of Vietnam	6175.0na							
0330-0600		HCJB Quito Ecuador	9745.0na	11960.0na	21455.0uf					
0330-0400	m	La Voz Evangelica, Hond.	4819.2do							
0330-0830		Radio Myanmar	9730.8do							
0330-0400		Radio Sweden	9490.0na							
0330-0400		AWR Africa, UAE	11775.0as							
0330-0400		Radio Dubai, UAE	12005.0na	13675.0na	15400.0na					
0330-0400		BBC World Service	3255.0af	5975.0ca	6005.0af	6190.0af	6195.0eu	7120.0af		
			7160.0af	9410.0eu	11730.0af	11835.0ca	12035.0af	12095.0eu		
			15280.0as	15310.0as	15420.0af	15575.0me	17635.0as	17790.0as		
			21660.0as	21830.0as						
0330-0400		VOA	5855.0af	6080.0af	7105.0af	7275.0af	7290.0af	9575.0af		
			9885.0af	17895.0af						
0345-0400	f	FEBA Seychelles	11885.0af							
0345-0400		Radio Tajikistan	7245.0							
0400-0415		Kol Israel	9435.0va	15640.0va	17600.0va					
0400-0500		BBC World Service	3255.0af	5975.0am	6005.0af	6190.0af	6195.0eu	7120.0af		
			7160.0af	9410.0eu	11835.0ca	12095.0af	15280.0as	15310.0as		
			15420.0af	15575.0me	17635.0as	17640.0af	17790.0as	21660.0as		
			21830.0as							
0400-0429		R. Vlaanderen Int'l	15565.0na							
0400-0430		Radio Australia	9660.0pa	12080.0pa	15240.0pa	15415.0as	15515.0pa	17580.0pa		
			21725.0as							
0400-0430	mtwhf	Radio France Int'l	9550.0af	15155.0af						
0400-0430	s twhfa	Radio Mexico Int'l	9705.0am	11770.0am						
0400-0430		AWR Africa, Meyerton	7235.0af							
0400-0430		Channel Africa, S. Africa	5955.0af							
0400-0430		VOA	4960.0af	5855.0af	6080.0af	7275.0af	7290.0af	9530.0eu		
			9575.0af	9885.0af	11965.0eu	15205.0eu	17895.0af			
0400-0445		Deutsche Welle	6180.0af	7225.0af	12045.0af	13690.0af				
0400-0456		China Radio Int'l	9730.0na	9560.0na						

0400-0456		Radio Romania Int'l	9510.0na	11940.0na	17735.0as	21480.0as			
0400-2400		Cameroon Radio TV	4850.0do						
0400-0700		KWHR Naalehu HI	17780.0as						
0400-0600		WBCQ Monticello ME	7415.0na						
0400-0500		WSHB Cypress Creek SC	7535.0eu	15195.0af					
0400-0900		WWCR Nashville TN	3210.0na	5070.0na	5935.0na	7560.0na			
0400-0500		WYFR Okeechobee FL	6065.0na	9355.0eu	9505.0na	11580.0eu			
0427-0525	a	Radio Voice of Hope	12060.0af	15320.0af					
0430-0445		BBC English Teaching	6010.0eu	9815.0eu					
0430-0500		Radio Australia	9660.0pa	12080.0pa	15240.0pa	15415.0as	15515.0pa	17580.0pa	
			17750.0as	21725.0as					
0430-0600		Italian Radio Relay Svc	3980.0af	3985.0uf					
0430-0530		Radio Netherlands	6165.0na	9590.0na					
0430-2305		Radio Nigeria, Abuja	7275.0do						
0430-2305		Radio Nigeria, Enugu	6025.0do						
0430-2305		Radio Nigeria, Ibadan	6050.0do						
0430-2305		Radio Nigeria, Kaduna	4770.0do	6090.0do					
0430-1000		Radio Nigeria, Lagos	3326.0do	4990.0do					
0430-1000		Sri Lanka B'casting Corp.	6130.0do						
0430-0500		AWR Africa, Meyerton	11975.0af						
0430-0500		TWR Swaziland	4775.0af						
0430-0500	mtwhfa	TWR Swaziland	3200.0af						
0430-0530	t	R. UNMEE, UAE	15215.0af						
0430-0500		VOA	4960.0af	5855.0af	6080.0af	7275.0af	7290.0af	9530.0eu	
			9575.0af	11965.0eu	15205.0eu	17895.0af			
0430-0500		Radio Yugoslavia	9580.0in						
0443-0450		Croatian Radio, Zagreb	9925.0na						
0445-0500		RAI, Rome	7235.0af	9875.0af					
0500-0520		Vatican Radio	4005.0eu	5890.0eu	7250.0eu	9660.0af	11625.0af	15570.0af	
0500-0530		Radio Australia	9660.0pa	12080.0pa	15240.0pa	15415.0as	15515.0pa	17580.0pa	
			21725.0as						
0500-0530	mtwhf	Radio France Int'l	11685.0af	17800.0af					
0500-0530		AWR Africa, Meyerton	5960.0af	6015.0af					
0500-0530		Channel Africa, S. Africa	11710.0af						
0500-0530		BBC World Service	6005.0af	6190.0af	6195.0eu	7160.0af	9410.0eu	11760.0me	
			11765.0af	11940.0af	11955.0as	12095.0eu	15280.0as	15310.0as	
			15360.0as	15420.0af	15565.0eu	17640.0af	17760.0as	17790.0as	
			21660.0as						
0500-0530	mtwhf	BBC World Service	15575.0as						
0500-0530	s	a BBC World Service	17885.0af						
0500-0600		VOA	5970.0af	6035.0af	6080.0af	7195.0af	9530.0eu	11965.0eu	
			12080.0af	13670.0af	15205.0eu				
0500-0545		Deutsche Welle	9670.0na	9785.0na	11985.0na				
0500-0600	mtwhf	BBS, Bhutan	5030.0af	6035.0do					
0500-0600		R. for Peace Int'l	7445.0uf	15038.8va					
0500-0700		Radio Havana Cuba	9550.0na	9665.0uf	9820.0na				
0500-0800	a	Scandinavian Weekend R.	6170.0va	11720.0va					
0500-0600		Radio Japan	5975.0eu	6110.0na	7230.0eu	11715.0as	11760.0as	13630.0na	
			15195.0as	17810.0as	21755.0pa				
0500-0800		Radio Kuwait	15110.0as						
0500-0700		Radio New Zealand Int'l	11820.0pa						
0500-1000		Voice of Nigeria	7255.0af	15120.0af					
0500-0600		Voice of Russia	17635.0au	17685.0au	17795.0as	21790.0au			
0500-0750		TWR Swaziland	4775.0af	6035.0af	9500.0af				
0500-0700	mtwhf	KWHR Naalehu HI	11565.0pa						
0500-1000		WHRA Greenbush ME	11730.0af						
0500-0600		WSHB Cypress Creek SC	7535.0eu	9840.0af					
0500-0600		WYFR Okeechobee FL	9355.0eu						
0505-0512		Croatian Radio, Zagreb	9470.0pa						
0515-0525		Radio Rwanda	6055.0do						
0520-0530		Vatican Radio	9660.0af	11625.0af	15570.0af				
0525-0915		Ghana Broadcasting Corp.	3366.0do	4915.0do					
0530-0545	s	a BBC English Teaching	9875.0eu	11675.0eu					
0530-0550		Radio Dubai, UAE	15435.0au	17829.9au	21695.2au				
0530-0700		Radio Australia	9660.0pa	12080.0pa	15240.0pa	15415.0as	15515.0pa	17580.0pa	
			17750.0as	21725.0as					
0530-0600		Georgian Radio, Tbilisi	11805.0eu						
0530-0630		AWR Africa, Meyerton	15105.0af						
0530-0600		Radio Thailand	21795.0eu						
0530-0600		BBC World Service	6005.0af	6190.0af	6195.0eu	7160.0af	9410.0eu	11760.0me	
			11765.0af	11940.0af	11955.0as	12095.0eu	15310.0as	15360.0as	
			15420.0af	15565.0eu	17640.0af	17760.0as	17790.0as	21660.0as	
0530-0600	mtwhf	BBC World Service	15575.0as	17885.0af					
0530-1630		Zimbabwe BC Corp.	5975.0do	6045.0do					
0532-0600		ORF Vienna	6155.0eu	13730.0eu	17870.0me				
0600-0615		TWR Meyerton	11640.0af						

0600-0700		BBC World Service	6005.0af	6190.0af	7160.0af	9410.0eu	11765.0af	11940.0af	
			11955.0as	12095.0eu	15310.0as	15360.0as	15485.0eu	15565.0eu	
			17640.0af	17760.0as	17790.0as	17885.0af	21660.0as		
0600-0700	mtwhf	BBC World Service	15575.0as						
0600-0630		HCJB Quito Ecuador	11680.0eu						
0600-0630	mtwhf	Radio France Int'l	11710.0af	17800.0af	21620.0af				
0600-0630		Channel Africa, S. Africa	15215.0af						
0600-0630		VOA	5970.0af	6035.0af	6080.0af	7195.0af	9530.0eu	9760.0eu	
			11805.0eu	11965.0eu	11995.0af	12080.0af	13670.0af	15205.0eu	
0600-0640		Radio Romania Int'l	9635.0na	11940.0na					
0600-0645		Deutsche Welle	6140.0eu	11925.0af	13790.0af	17860.0af			
0600-1530		Radio Botswana	7255.0do	9600.0do					
0600-0800		R. for Peace Int'l	7445.0uf	15038.8br					
0600-0700		Italian Radio Relay Svc	7120.0uf	7125.0af					
0600-0700		Radio Japan	7230.0eu	11740.0as	13630.0na	15195.0as	17870.0pa	21755.0pa	
0600-1300		ELWA Monrovia, Liberia	4760.0do						
0600-1800		Radio Liberia Int'l	6100.0do						
0600-0825		Voice of Malaysia	6175.0as	9750.0as	15295.0au				
0600-0700		Voice of Russia	15490.0au	17635.0au	17685.0au	17795.0as	21790.0au		
0600-2400		SLBS, Sierra Leone	3316.0do						
0600-1300		Radio Uganda	5026.0do	7110.0do	7196.0do				
0600-0800		WSHB Cypress Creek SC	9450.0af						
0600-0700		WYFR Okeechobee FL	7355.0eu	11580.0eu					
0600-1000		Radio Vanuatu	3945.0af	4960.0do					
0600-0700		Republic of Yemen Radio	9779.6me						
0600-1500		Christian Voice, Zambia	9865.0do						
0630-0700		Vatican Radio	11625.0af	13765.0af	15570.0af				
0630-0645	mtwhf	Vatican Radio	4005.0eu	5890.0eu	7250.0eu	9645.0eu	11740.0eu	15595.0eu	
0630-0700		HCJB Quito Ecuador	11680.0eu	21455.0uf					
0630-0700		Radio Finland	15135.0va	21670.0va					
0630-0700		VOA	9530.0eu	9760.0eu	11805.0eu	11965.0eu	15205.0eu		
0630-0700	s	a VOA	5970.0af	6035.0af	6080.0af	7195.0af	11995.0af	12080.0af	
			13670.0af						
0640-0656		Radio Romania Int'l	7105.0eu	9550.0eu	9625.0eu	9635.0na	11775.0eu	11940.0na	
0643-0650		Croatian Radio, Zagreb	9470.0pa						
0645-0655	s	a TWR Juelich	6045.0eu						
0645-0655	s	a TWR Monte Carlo	9870.0eu						
0645-0900		Deutsche Welle	6140.0eu						
0655-0750		TWR Juelich	6045.0eu						
0655-0750		TWR Monte Carlo	9870.0eu						
0700-0704		Radio Pakistan	17520.0eu	21465.0eu					
0700-0727		Radio Prague Int'l	9880.0eu	11600.0eu					
0700-0729		R. Vlaanderen Int'l	5985.0eu						
0700-0730		AWR Europe, Austria	7230.0va						
0700-0730		Radio Slovakia Int'l	9440.0au	15460.0au	17550.0au				
0700-0800		BBC World Service	6190.0af	11760.0mie	11765.0af	11940.0af	11955.0as	12095.0eu	
			15310.0as	15360.0as	15485.0eu	15565.0eu	17640.0eu	17760.0as	
			17790.0as	17885.0af	21660.0as				
0700-0730	mtwhf	BBC World Service	15400.0af	15575.0as					
0700-0756		Radio Romania Int'l	21530.0af						
0700-0800		Radio Australia	9660.0pa	12080.0pa	15240.0pa	15415.0as	17580.0pa	17750.0as	
			21725.0as						
0700-0800		HCJB Quito Ecuador	11680.0eu	11755.0pa	21455.0uf				
0700-1100		Radio Africa, Eq. Guinea	15184.6af						
0700-0800	mtwhf	Radio France Int'l	15605.0af						
0700-0800		Voice of Hope, Germany	5975.0eu	21590.0me					
0700-1500	s	a Italian Radio Relay Svc	7120.0uf	7125.0af					
0700-1105		Radio New Zealand Int'l	9885.0pa						
0700-0900		Voice of Russia	15490.0au	17495.0au	17525.0au	17635.0au	17675.0as	17685.0au	
			17795.0as						
0700-0800		Radio Taipei Int'l	5950.0na						
0700-1000		KWHR Naalehu HI	11565.0pa	17780.0as					
0700-0800		WYFR Okeechobee FL	7355.0eu	13695.0af	15170.0af				
0705-0712		Croatian Radio, Zagreb	13820.0au						
0705-0720		BBC English Teaching	6005.0af						
0730-0800		Georgian Radio, Tbilisi	11910.0eu						
0730-0815		KTWR Guam	15215.0as						
0730-1400		R. E. Highlands, Papua NG	3395.0do						
0730-1400		R. Milne Bay, Papua NG	3365.0do						
0730-1400		R. S. Highlands, Papua NG	3275.0do						
0730-0800		Swiss Radio Int'l	15445.0af	17685.0af	21750.0af				
0730-0800	mtwhf	BBC World Service	15400.0af						
0730-0900	s	a BBC World Service	15575.0as						
0750-0820	smtwhf	TWR Juelich	6045.0eu						
0750-0820	smtwhf	TWR Monte Carlo	9870.0eu						

0800-0900		BBC World Service	6190.0af	11760.0me	11940.0af	11955.0as	12095.0eu	15310.0as	
			15360.0as	15485.0eu	15565.0eu	17640.0eu	17760.0as	17885.0af	
			21470.0af	21660.0as	21830.0as				
0800-0900	mtwhf	BBC World Service	15400.0af	17830.0af					
0800-0830		Radio Australia	5995.0pa	9580.0pa	9710.0pa	12080.0pa	15240.0as	15415.0as	
			21725.0as						
0800-0900	mtwhf	BBS, Bhutan	5030.0af	6035.0do					
0800-1100		R. for Peace Int'l	15038.8ir						
0800-1200	s	a R. for Peace Int'l	7445.0uf						
0800-1100		HCJB Quito Ecuador	11755.0pa	21455.0uf					
0800-1100		a Scandinavian Weekend R.	6170.0va	11690.0va					
0800-1200		Voice of Hope, Germany	21590.0me						
0800-0900		Voice of Indonesia	9525.0pa	11785.0pa	15150.0pa				
0800-0900	s	V. of the Mediterranean	9605.0eu						
0800-1700		NBC Windhoek, Namibia	6060.0af	7165.0af	7215.0af				
0800-0900	s	Amateur Radio League, SAf		9750.0af	21560.0af				
0800-0900		Radio Korea	7550.0eu	9570.0om	13670.0eu				
0800-0900		KNLS Anchor Point AK	11765.0as						
0800-0900		a Remnants Hope Ministry	13810.0as						
0800-1000		VOA	11930.0as	13610.0as	15150.0as				
0800-0900		WSHB Cypress Creek SC	9845.0au	9850.0eu					
0800-0900		WYFR Okeechobee FL	13570.0af						
0810-0830	s	Voice of Armenia, Yerevan	4810.0eu	15270.0eu					
0815-0845	f	FEBA Seychelles	15460.0as						
0815-0900		KTWR Guam	15215.0as	15330.0as					
0830-0930		AWR Europe, Austria	17780.0af						
0830-2130		ABC Alice Springs	2310.0do	4835.0ir					
0830-2130		ABC Katherine	2485.0do						
0830-2130		ABC Tennant Creek	2325.0do						
0830-0900		Radio Australia	5995.0pa	9580.0pa	9710.0pa	12080.0pa	15240.0as	15415.0as	
			17750.0as	21725.0as					
0830-0900		Georgian Radio, Tbilisi	11910.0eu						
0830-0900		Swiss Radio Int'l	21770.0af						
0840-0850		Turkmen Radio, Asgabat	4930.0do						
0843-0850		Croatian Radio, Zagreb	13820.0au						
0900-0929		Radio Prague Int'l	21745.0va						
0900-0930		Radio Australia	9580.0pa	11880.0as	15240.0as	21820.0as			
0900-0930		KTWR Guam	15330.0as						
0900-0945		Deutsche Welle	6140.0eu	6160.0pa	9510.0va	12035.0af	15410.0af	15470.0as	
			17715.0as	17770.0as	17800.0af	17820.0as	21560.0af	21780.0af	
			21790.0as						
0900-0956		China Radio Int'l	11730.0pa	15210.0pa					
0900-1000		Voice Int'l, Australia	17645.0as						
0900-1100		KHBN Palau	15725.0as						
0900-1400		Nat'l BC, Papua NG	4890.0do	9675.0ir					
0900-1030		BBC World Service	6190.0af	6195.0as	9605.0as	9740.0as	11760.0me	11940.0af	
			11945.0as	12095.0eu	15310.0as	15360.0as	15485.0eu	15565.0eu	
			15575.0as	17640.0eu	17760.0as	17790.0as	17885.0af	21470.0af	
			21660.0as						
0900-1000	mtwhf	BBC World Service	15190.0sa	15400.0af	17830.0af				
0900-1200		WRMI Miami FL	9955.0am						
0900-1000		WSHB Cypress Creek SC	9455.0sa	9860.0eu					
0900-1000		WWCR Nashville TN	5070.0na	5935.0na	7560.0na	9475.0na			
0900-1000	mtwhf	Vatican Radio	5890.0eu						
0915-1200		Ghana Broadcasting Corp.	6130.0do						
0915-1200	s	a Ghana Broadcasting Corp.	4915.0do						
0930-1000		Radio Australia	9580.0pa	11880.0as	15240.0as	17750.0as	21820.0as		
0930-1000		Voice of Greece	15630.0eu	17900.0eu					
0930-1000	mtwhf	KTWR Guam	15330.0as						
0930-1000		Radio Vilnius, Lithuania	9710.0eu						
0930-1030		Radio Netherlands	9790.0pa	12065.0as	13710.0as				
0945-1100		Deutsche Welle	6140.0eu						
1000-1004		Radio Pakistan	17520.0eu	21465.0eu					
1000-1027		Voice of Vietnam	9840.0au	12020.0au					
1000-1030		KSDA Guam	11560.0as	11930.0as					
1000-1030		Radio Telefis Eireann	15280.0au						
1000-1030		Voice of Mongolia	12015.0as						
1000-1030		Sri Lanka B'casting Corp.	4940.0in						
1000-1100	mtwhf	BBC World Service	6195.0ca						
1000-1100	s	a BBC World Service	15190.0sa	15400.0af	17830.0af				
1000-1045		KWHR Naalehu HI	9930.0as	11565.0pa					
1000-1056		China Radio Int'l	11730.0pa	15210.0pa					
1000-1056		Voice of Korea	3560.0am	9335.0am	9850.0as	11710.0am	11735.0as		
1000-2200		Caribbean Beacon	11775.0am						
1000-1100		Radio Australia	9580.0va	11880.0as	15240.0as	17750.0as	21820.0as		
1000-1100		Voice Int'l, Australia	13685.0as						

1000-1130	s	a	BBS, Bhutan	5030.0al	6035.0do					
1000-1100		a	Radio Finland	15530.0eu	21520.0as					
1000-2200			Voice of Guyana	5949.4do						
1000-1100			All India Radio, Delhi	11585.0as	13695.0au	15020.0as	15260.0au	17510.0au	17800.0as	
				17895.0au						
1000-1100			Radio Japan	9695.0as	15590.0as	21755.0pa				
1000-1200			Radio Jordan	11690.0eu						
1000-1600			Radio Nigeria, Lagos	4990.0do	7285.0do					
1000-1100			VOA	5745.0am	7370.0am	9590.0am	9770.0as	15240.0as	15425.0as	
1000-1200			WEWN Birmingham AL	7520.0na	15745.0eu					
1000-1300			WHRI Noblesville IN	6040.0na	9495.0am					
1000-1100	s	a	WINB Red Lion PA	13570.0am						
1000-1100			WSHB Cypress Creek SC	6095.0am	9455.0sa	11780.0as				
1000-1200			WWCR Nashville TN	5070.0na	5935.0na	7560.0na	15825.0na			
1000-1100			WYFR Okeechobee FL	5950.0na						
1000-1115	mtwhfa		Radio Vanuatu	3945.0al	4960.0do					
1015-1030			BBC English Teaching	11680.0eu	15325.0eu	15335.0eu	17695.0eu			
1030-1035			Kol Israel	15640.0va	17545.0va					
1030-1045	mtwhf		Radio Ethiopia	5990.0do	7110.0do	9704.2do				
1030-1057			Radio Prague Int'l	9880.0eu	11615.0eu					
1030-1100			KSDA Guam	11560.0as						
1030-1130			Radio Netherlands	5965.0na	6045.0eu	9790.0pa	9860.0eu	12065.0as	13710.0as	
1030-1130			Sri Lanka B'casting Corp.	4940.0in	11835.0as	15120.0as	17850.0as			
1030-1100			Radio Dubai, UAE	13675.0eu	15370.0eu	15400.0eu	21597.6eu			
1030-1100			BBC English Teaching	9605.0as	11945.0as	15280.0as	21660.0as			
1030-1100			BBC World Service	6190.0af	6195.0as	9740.0as	11760.0me	11940.0af	12095.0eu	
				15310.0as	15485.0eu	15565.0eu	15575.0as	17640.0eu	17760.0as	
				17790.0as	17865.0af	21470.0af				
1045-2230			KWHR Naalehu HI	9930.0as						
1045-1600	s	a	KWHR Naalehu HI	11565.0pa						
1100-1127			Voice of Vietnam	7285.0as						
1100-1130			Radio Australia	5995.0pa	6020.0pa	9475.0as	9580.0pa	11650.0pa	11880.0as	
				12080.0pa	15240.0as	21820.0as				
1100-1130	mtwhf		BBC Caribbean Report	6195.0ca	15190.0ca					
1100-1130			BBC World Service	6190.0af	6195.0as	9740.0as	11760.0me	11940.0af	12095.0eu	
				15310.0as	15400.0af	15485.0eu	15565.0eu	15575.0as	17640.0eu	
				17700.0as	17760.0as	17790.0sa	17830.0af	17885.0af	21470.0af	
1100-1130	s	a	BBC World Service	6195.0ca	15190.0am					
1100-1200			VOA	6160.0as	9645.0as	9760.0as	9770.0as	15160.0as	15240.0as	
				15425.0as						
1100-1145			Deutsche Welle	6140.0eu	11785.0af	15410.0af	17860.0af	21665.0af		
1100-1700			Voice Int'l, Australia	13635.0as						
1100-1200			Radio Bulgaria	17500.0eu						
1100-2400			CBC Northern Service	9625.0do						
1100-2000			R. for Peace Int'l	15038.8ir	21815.0uf					
1100-1430			HCJB Quito Ecuador	12005.0am	15115.0am	21455.0uf				
1100-1600	a		Scandinavian Weekend R.	5990.0va	11720.0va					
1100-1230			VOIRI Teheran	15215.0as	15585.0as	15600.0as	21470.0as	21730.0as		
1100-1200			Radio Japan	6120.0na	9695.0as	15590.0as				
1100-1400			Radio Singapore Int'l	6150.0as	9600.0as					
1100-1400			SIBC Solomon Islands	5019.9ir	9545.0ir					
1100-1200			Radio Taipei Int'l	7445.0as	11985.0as					
1100-1200			Radio Ukraine Int'l	11840.0as	15520.0eu					
1100-2400			WINB Red Lion PA	13570.0am						
1100-1200			WSHB Cypress Creek SC	6095.0am	9455.0am					
1100-1200			WYFR Okeechobee FL	5850.0na	5950.0na	11725.0sa				
1105-1310			Radio New Zealand Int'l	11675.0pa						
1115-1145			Radio Nepal, Katmandu	3230.0as	5005.0as	7164.4as				
1130-1159			R. Viaanderen Int'l	9865.0as						
1130-1200			Radio Australia	5995.0pa	6020.0pa	9475.0as	9580.0pa	11650.0pa	11880.0as	
				12080.0pa	21820.0as					
1130-1200			ORF Vienna	6155.0eu	13730.0eu	21780.0as				
1130-1200	wh		Georgian Radio, Tbilisi	6080.0me						
1130-1225			Radio Netherlands	5965.0na	6045.0eu	9860.0eu				
1130-1230			Radio Korea	9650.0na						
1130-1230			Sri Lanka B'casting Corp.	4940.0in						
1130-1200			Radio Sweden	17505.0as	18960.0na					
1130-1200			BBC World Service	6190.0af	6195.0as	9740.0as	11760.0me	11940.0af	12095.0eu	
				15190.0am	15310.0as	15485.0eu	15565.0eu	15575.0as	17640.0eu	
				17700.0as	17760.0as	17830.0af	17885.0af	21470.0af		
1130-1200	s	a	BBC World Service	6195.0ca						
1130-1200	f		Vatican Radio	15595.0va	17515.0va					
1140-1150			Voice of Africa, Libya	15435.0ir	17750.0ir					
1145-1155			Radio Rwanda	6055.0do						
1145-1600			Deutsche Welle	6140.0eu						
1200-1215			V. of Cambodia	11940.3as						

1200-1215		BBC English Teaching	7135.0as	11835.0as					
1200-1220		BBC World Service	6190.0af	6195.0va	9740.0as	11760.0me	11940.0af	12095.0eu	15310.0as
			15310.0as	15485.0eu	15565.0eu	15575.0me	17640.0eu	17700.0as	17760.0as
			17760.0as	17830.0af	17885.0af	21470.0af			
			15190.0am						
1200-1220	s	BBC World Service							
1200-1220	mtwhf	BBC Caribbean Report	6195.0ca	15190.0ca					
1200-1230		Radio France Int'l	15540.0af	25820.0af					
1200-1300		VOA	6160.0as	9645.0as	9760.0as	15160.0as	15240.0as	15425.0as	
1200-1230		Radio Tashkent	5975.0as	7285.0as	9715.0as	15295.0as	17775.0as		
1200-1255		Radio Polonia, Warsaw	6095.0eu	9525.0eu	11820.0eu				
1200-1256		China Radio Int'l	9730.0as	9760.0pa	11760.0pa	11980.0as	15415.0pa		
1200-1330		Radio Australia	5995.0pa	6020.0pa	9475.0as	9580.0pa	11650.0pa	11880.0as	
			21820.0as						
1200-1300		Radio Canada Int'l	9660.0as	15190.0as					
1200-1300	mtwhf	Radio Canada Int'l	9515.0na	13655.0na	17820.0na				
1200-1600		Voice of Hope, China	7485.0as						
1200-1330		Voice of Hope, Germany	15715.0me						
1200-1700		Ghana Broadcasting Corp.	4915.0do	6130.0do					
1200-1500		Radio Jordan	11690.0na						
1200-1300		Radio Taipei Int'l	7130.0as	9610.0au					
1200-1300		Overcomer Ministries	5975.0eu						
1200-1300	s	a Remnants Hope Ministry	6110.0eu						
1200-1600		WEWN Birmingham AL	11875.0na	15745.0eu					
1200-2300		WRMI Miami FL	15725.0na						
1200-1300		WSHB Cypress Creek SC	6095.0am	9455.0am	9585.0as	9875.0as			
1200-1300		WWCR Nashville TN	7560.0na	12160.0na	13845.0na	15825.0na			
1200-1300		WYFR Okeechobee FL	5850.0na	5950.0na	13695.0na	17750.0na			
1215-1330		Radio Cairo	17595.0as						
1220-1300		BBC World Service	6190.0af	6195.0va	9740.0as	11760.0me	11940.0af	12095.0eu	15190.0am
			15190.0am	15310.0as	15485.0eu	15565.0eu	15575.0me	17640.0eu	17700.0as
			17700.0as	17760.0as	17830.0af	17885.0af	21470.0af		
			15460.0af	17780.0af	21640.0af				
1230-1245		BBC English Teaching							
1230-1257		Voice of Vietnam	9840.0as	12020.0as					
1230-1300		Radio Bangladesh	7185.0as	9550.0as	15520.0as				
1230-1300		Radio Finland	15400.0na	17670.0na					
1230-1330		Voice of Hope, Lebanon	17795.0as						
1230-1600		Sri Lanka B'casting Corp.	4940.0in	6005.0as	6075.0as	9770.0as	15425.0as		
1230-1300		Radio Sweden	17505.0as	18960.0na	21530.0as				
1230-1300		Radio Thailand	9885.0as						
1230-1330		Voice of Turkey	17615.0as	17830.0eu					
1230-1300	a	Wales Radio Int'l	17615.0au						
1245-1300	a	FEBA Seychelles	15535.0me						
1300-1310	mtwhf	Turkmen Radio, Asgabat	5015.0do						
1300-1329		Radio Prague Int'l	13580.0eu	21745.0as					
1300-1330		KSDA Guam	15385.0as						
1300-1330		AWR Africa, UAE	17740.0as						
1300-1356		China Radio Int'l	7405.0na	9570.0na	11760.0pa	11900.0pa	11980.0as	15180.0as	
1300-1356		Voice of Korea	4405.0eu	7505.0eu	9335.1na	11335.1eu	11710.1na		
1300-1500		Radio Canada Int'l	9515.0na	13655.0na					
1300-1500	mtwhf	Radio Canada Int'l	17820.0na						
1300-1500	s	a Radio Canada Int'l	17800.0na						
1300-1500	s	a Channel Africa, S. Africa	11720.0af	17780.0af	21725.0af				
1300-1400		Radio Korea	9570.0as	13670.0om					
1300-2100		Radio Uganda	4976.0do	5026.0do	7196.0do				
1300-1400		BBC World Service	6190.0af	6195.0va	9740.0as	11760.0me	11940.0af	12095.0eu	15190.0am
			15190.0am	15310.0as	15420.0af	15485.0eu	15565.0eu	15575.0me	17640.0eu
			17640.0eu	17700.0as	17760.0as	17830.0af	17885.0af	21470.0af	
			13815.0va						
1300-2400		KAIJ Dallas TX	11715.0na						
1300-1500		KJES Vado NM	11715.0na						
1300-1400		KNLS Anchor Point AK	11870.0as						
1300-1500		Overcomer Ministries	5975.0eu	13810.0af					
1300-1400		VOA	6160.0as	9645.0as	9760.0as	15160.0as	15425.0as		
1300-2000		WBCQ Monticello ME	17494.9na						
1300-1500		WHRI Noblesville IN	6040.0na	15105.0am					
1300-1400		WSHB Cypress Creek SC	9430.0na	9455.0am	9940.0as				
1300-2200		WWCR Nashville TN	9475.0na	12160.0na	13845.0na	15825.0na			
1300-1500		WYFR Okeechobee FL	11550.0as	11830.0na	11865.0sa	11970.0na	17510.0sa	17750.0na	
1310-1650		Radio New Zealand Int'l	6095.0oc						
1330-1345		BBC English Teaching	15105.0af	21640.0af					
1330-1350		Radio Dubai, UAE	13630.0eu	13675.0eu	15400.0eu	21597.6eu			
1330-1357		Voice of Vietnam	11640.0eu	13740.0eu					
1330-1400		Radio Australia	5995.0pa	6020.0pa	9475.0as	9580.0pa	11650.0pa	11660.0as	
			21820.0as						
1330-1400		ORF Vienna	6155.0eu	13730.0eu					
1330-1430		Voice of Hope, Germany	15715.0me	15775.0as	17550.0as				
1330-1400		KSDA Guam	11705.0as	11980.0as					

1330-1500		All India Radio, Delhi	9690.0as	11620.0as	13710.0as				
1330-1400		Lao Nat'l Radio	7145.0do						
1330-1400		Radio Sweden	17505.0va	18960.0na					
1330-1400		AWR Africa, UAE	15320.0as						
1330-1400		Radio Tashkent	5975.0as	7285.0as	9715.0as	15295.0as	17775.0as		
1400-1415	mtw	BBC English Teaching	11860.0af	15420.0af	21470.0af	21660.0af			
1400-1430		Radio Mexico Int'l	9705.0am	11770.0am					
1400-1430		Radio Thailand	9830.0as						
1400-1500		BBC World Service	6135.0as	6190.0af	6195.0as	9740.0as	11940.0af	12095.0eu	
			15190.0am	15310.0as	15485.0eu	15565.0eu	15575.0me	17640.0eu	
			17700.0as	17830.0af	21470.0af	21660.0af			
1400-1456		China Radio Int'l	7405.0na	9700.0as	11675.0as	13685.0af	15110.0as	15125.0af	
			17720.0na						
1400-1456		Radio Romania Int'l	15250.0eu	17735.0eu					
1400-1530		Radio Australia	5995.0pa	9580.0pa	11650.0pa	11660.0as			
1400-1500		Radio France Int'l	11610.0as	17620.0as					
1400-1500		Radio Japan	7200.0as	9505.0na	11730.0as	17755.0me			
1400-1500		Radio Sultanate Oman	15140.0eu						
1400-1500		Voice of Russia	7390.0as	9745.0as	12055.0as	15560.0as	17645.0as		
1400-1600		SBC Radio 1, Singapore	6150.0do						
1400-1500		Radio Taipei Int'l	15265.0as						
1400-1500		VOA	6160.0as	7125.0as	9760.0as	15160.0as	15255.0eu	15425.0as	
1415-1420		Radio Nepal, Katmandu	3230.0as	5005.0as	7164.4as				
1430-1500		Voice of Hope, Germany	15715.0me	17550.0as					
1430-1600		KTWR Guam	15330.0as						
1430-1600		Radio Myanmar	5985.9do						
1430-1625		Radio Netherlands	9890.0as	11835.0as	12075.0as	15220.0na			
1445-1500	f	FEBA Seychelles	11600.0as						
1500-1515		Radio Pakistan	11570.0me	15100.0me	15725.0af	17750.0af			
1500-1530		Radio Mexico Int'l	9705.0am	11770.0am					
1500-1530		Voice of Mongolia	12015.0as						
1500-1530		Channel Africa, S. Africa	17770.0af						
1500-1530		BBC World Service	5975.0as	6135.0as	6190.0af	6195.0as	9740.0as	11860.0af	
			11940.0af	12095.0eu	15190.0am	15310.0as	15400.0af	15420.0af	
			15485.0eu	15565.0eu	17700.0as	17830.0af	21470.0af	21490.0af	
			21660.0af						
1500-1600		VOA	7125.0as	9700.0eu	15205.0eu	15255.0eu			
1500-1600		VOA Special English	6160.0as	9590.0as	9760.0as	9845.0as	12040.0as	15550.0as	
1500-1556		China Radio Int'l	7160.0as	9785.0as	13685.0af	15125.0af	17720.0na		
1500-1556		Voice of Korea	4405.0eu	7505.0eu	9335.0na	11335.3eu	11710.1na		
1500-1559		Radio Canada Int'l	15455.0as	17720.0as					
1500-1559	s	Radio Canada Int'l	9515.0na	13655.0na	17800.0na				
1500-1600		Voice of Hope, Germany	15715.0me	15775.0as					
1500-2230	s	Reflections Europe, Ire.	3910.0eu	6295.0eu	12255.0eu				
1500-1600		Radio Japan	7200.0as	9750.0as	11730.0as				
1500-1600		Radio Jordan	11690.0eu						
1500-1600		Voice of Russia	4940.0me	4965.0me	4975.0me	7325.0me	7390.0as	11500.0as	
			11985.0me						
1500-2400		KTBN Salt Lake City UT	15590.0na						
1500-1600		Overcomer Ministries	13810.0af						
1500-1800	a	Overcomer Ministries	6015.0af						
1500-2200		WHRA Greenbush ME	17650.0af						
1500-1700		WHRI Noblesville IN	13760.0va	15105.0am					
1500-2300		WRNO New Orleans LA	7394.3am	15420.6al					
1500-1600		WYFR Okeechobee FL	6280.0as	11830.0na	15520.0as	17750.0na			
1500-2400		Christian Voice, Zambia	4965.0do						
1515-1530	mtwhf	FEBA Seychelles	11600.0as						
1530-1545		Radio Bangladesh	4882.0as	15520.0as					
1530-1545		FEBA Seychelles	11600.0as						
1530-1545		BBC English Teaching	11685.0as	15540.0as					
1530-1700		Radio Australia	5995.0pa	9475.0as	9580.0pa	11650.0pa	11660.0as		
1530-1600		ORF Vienna	17865.0na						
1530-1800		Radio Botswana	3356.0do	4820.0do	7255.0do				
1530-1600		Georgian Radio, Tbilisi	6180.0me						
1530-1630		VOIRI Teheran	7245.0as	9635.0as	11775.0as				
1530-1600		BBC World Service	5975.0as	6135.0as	6190.0af	6195.0as	9740.0as	11940.0af	
			12095.0eu	15190.0am	15310.0as	15400.0af	15485.0eu	15565.0eu	
			17700.0as	17830.0af	21470.0af	21660.0af			
1540-1550		Turkmen Radio, Ashgabat	4930.0do						
1545-1600	s h	Radio Bangladesh	4882.0as	15520.0as					
1545-1600	sm h a	FEBA Seychelles	11600.0as						
1550-1610		Vatican Radio	12065.0au	13765.0au	15235.0au				
1600-1630		BBC World Service	3915.0as	5975.0as	6190.0af	6195.0as	7160.0as	9410.0eu	
			9510.0as	11940.0af	12095.0eu	15190.0am	15310.0as	15400.0af	
			15485.0eu	15565.0eu	17700.0as	17830.0af	21470.0af	21660.0af	
1600-1627		Radio Prague Int'l	5930.0eu	21745.0af					

1600-1627		Voice of Vietnam	11640.0eu	13740.0eu					
1600-1630		Kol Israel	15615.0va	17545.0va					
1600-1630		Radio Jordan	11690.0na						
1600-1630		Voice of Hope, Lebanon	11705.0as						
1600-1630		Channel Africa, S. Africa	9525.0af						
1600-1635		Voice of Hope, Germany	13810.0af	15715.0me	17550.0as				
1600-1635		Radio Dubai, UAE	13630.0eu	13675.0eu	15400.0eu	21597.6eu			
1600-1645		Deutsche Welle	6140.0eu	6170.0as	7225.0as	9735.0af	11665.0af	17595.0as	
			21840.0af						
1600-1656		China Radio Int'l	9565.0af	9870.0af					
1600-1656		Voice of Korea	3560.0af	9975.0af	11735.1af				
1600-1700		Radio Algiers	11715.0in	15160.0in					
1600-1700		Radio Ethiopia	5990.0af	7110.0af	7165.0af	9560.2af	9704.2af	11800.0af	
1600-2000		a Scandinavian Weekend R.	6170.0va	11720.0va					
1600-1700		Radio France Int'l	11615.0af	11995.0af	12015.0af	15605.0af	17605.0af	17850.0af	
1600-1700		a Voice of Greece	9420.0eu	15630.0eu	17705.0na				
1600-2305		Radio Nigeria, Lagos	3326.0do	4990.0do					
1600-1700		Voice of Russia	7350.0as	11720.0as	11985.0me	12055.0as	15540.0me		
1600-1700		Radio Korea	5975.0om	9515.0af	9870.0af				
1600-2400		Sri Lanka B'casting Corp.	4940.0in						
1600-1800		Radio Taipei Int'l	11550.0as						
1600-1700		VOA	6035.0af	6160.0as	7125.0as	9700.0eu	9760.0as	13710.0af	
			15205.0eu	15225.0af	15255.0eu	15410.0af	17810.0af		
1600-1700		VOA Special English	13600.0as	15445.0af	17895.0af				
1600-1700		WEWN Birmingham AL	13615.0na	15745.0eu					
1600-2200	smtwhf	WMLK Bethel PA	9465.0eu	15265.0af					
1600-1800		WSHB Cypress Creek SC	18910.0af						
1600-2200		WWRB Manchester TN	9320.0uf	12172.0uf					
1600-1700		WYFR Okeechobee FL	11830.0na	13855.0af	15520.0as	17750.0na	18980.0eu	21455.0eu	
			21525.0af						
1600-1900		SWR Africa, Zimbabwe	6145.0af						
1610-1625		TWR Armenia	5855.0eu						
1615-1630	s	a BBC World Service	11860.0af	15420.0af	21490.0af				
1615-1630	s	Vatican Radio	4005.0eu	5890.0eu	7250.0eu	9645.0eu	15595.0eu		
1630-1830		Radio Cairo	15255.0af						
1630-1700		KSDA Guam	9385.0me	11850.0me	15450.0me				
1630-1700		Radio Slovakia Int'l	5920.0eu	6055.0eu	7345.0eu				
1630-1700		AWR Africa, UAE	9600.0me						
1630-1700		BBC English Teaching	9535.0eu	11955.0eu	13645.0eu				
1630-1700		BBC World Service	3915.0as	5975.0as	6190.0af	6195.0as	7160.0as	9410.0eu	
			9510.0as	11940.0af	12095.0eu	15190.0am	15310.0as	15400.0af	
			15420.0af	15485.0eu	15565.0eu	17700.0as	17830.0af	21470.0af	
			21260.0af						
1630-1700	s	a BBC World Service	11860.0af	21490.0af					
1630-2200		Zimbabwe BC Corp.	4828.0do	6045.0do					
1635-1700		Voice of Hope, Germany	13810.0af	15715.0me					
1645-1900		Deutsche Welle	6140.0eu						
1645-1700		Radio Tajikistan	7245.0						
1650-1850	mtwhf	Radio New Zealand Int'l	6095.0pa						
1700-1715		Radio Galkayo, Somalia	6985.0va						
1700-1727		Radio Prague Int'l	5930.0eu	21745.0af					
1700-1727		Voice of Vietnam	9725.0eu						
1700-1730		Voice of Azerbaijan	6110.7eu	9155.0in					
1700-1730		Radio France Int'l	15605.0af	17605.0af					
1700-1730		Channel Africa, S. Africa	17860.0af						
1700-1800		VOA	6160.0as	7125.0as	7170.0as	9645.0as	9700.0eu	9760.0eu	
			15255.0eu	15410.0af	15445.0af	17895.0af			
1700-1800	mtwhf	VOA	5990.0as	6045.0as	7215.0as	9770.0as	9785.0as		
1700-1745		BBC World Service	3255.0af	3915.0as	5975.0as	6190.0af	6195.0eu	7160.0as	
			9410.0eu	9510.0as	9630.0af	11860.0af	12095.0eu	15310.0as	
			15400.0af	15420.0af	15485.0eu	15565.0eu	17830.0af	21470.0af	
1700-1755		Radio Polonia, Warsaw	5995.0eu						
1700-1756		China Radio Int'l	9570.0af	9695.0af	11920.0af	15205.0af			
1700-1756		Radio Romania Int'l	11740.0eu	15365.0eu	15380.0eu	17805.0eu			
1700-1800		Radio Australia	5995.0pa	9475.0as	9580.0pa	9815.0pa	11880.0pa		
1700-2300		Radio Africa, Eq. Guinea	17189.7af	15184.6af					
1700-1900		Radio Africa Int'l	13820.0af	15265.0af					
1700-1900		Voice of Hope, Germany	9495.0eu	15715.0me					
1700-2400		Ghana Broadcasting Corp.	3366.0do	4915.0do					
1700-2200		Italian Radio Relay Svc	3980.0af	3985.0uf					
1700-1800		Radio Japan	9505.0na	11970.0eu	15355.0af				
1700-2400		NBC Windhoek, Namibia	3270.1af	3290.1af					
1700-1800		Voice of Russia	9745.0af	9775.0eu	9890.0eu	11510.0af	11985.0af		
1700-1800	s	a Voice of Russia	7360.0eu	9480.0eu	9820.0eu	11675.0eu			
1700-1800		R. Omdurman, Sudan	7200.0do	9200.0do	9505.0do				
1700-2400		University Network	9940.0as						

1900-2000	a	Voice of Biafra Int'l	12125.0af						
1900-2300		Voice of Nigeria	7255.0af	15120.0af					
1900-2000		R. Central, Papua NG	3290.0ir						
1900-2000		Voice of Russia	7440.0eu	9480.0eu	9775.0eu	9890.0eu	11675.0eu	12030.0eu	
			12070.0eu	15735.0am					
1900-2400		SIBC Solomon Islands	5019.9do	9545.0do					
1900-2000		Radio Korea	5975.0om	7275.0eu					
1900-2000	a	Sri Lanka B'casting Corp.	6010.0eu						
1900-2000		Radio Thailand	7155.0eu						
1900-2000	f	R. UNMEE, UAE	13750.0af						
1900-2000		BBC World Service	3255.0af	6005.0af	6190.0af	6195.0eu	9410.0eu	9630.0af	
			12095.0af	15310.0me	15400.0af	17830.0af			
1900-2000		KJES Vado NM	15385.0na						
1900-2000		VOA	4950.0af	6035.0af	6095.0eu	6160.0eu	7375.0af	7415.0af	
			9525.0as	9760.0eu	9770.0eu	11770.0as	11975.0af	15180.0as	
			15410.0af	15445.0af	15580.0af				
1900-2000		WYFR Okeechobee FL	15775.0af	18930.0eu	18980.0eu				
1900-2400		Radio Vanuatu	3945.0af	7260.0ds					
1915-1925		Radio Rwanda	6055.0do						
1915-1930		BBC English Teaching	15105.0af	17885.0af					
1930-1959		R. Vlaanderen Int'l	9925.0eu	13690.0eu					
1930-2000		AWR Europe, Austria	7130.0eu						
1930-2000	t h	Radio Minsk, Belarus	7105.0eu	7210.0eu					
1930-2030		VOIRI Teheran	9800.0af	11670.0eu	11695.0af	11855.0eu			
1930-2230		Nat'l BC, Papua NG	4890.0do	9675.0ir					
1930-2230		R. E. Highlands, Papua NG	3395.0do						
1930-2230		R. Milne Bay, Papua NG	3365.0do						
1930-2230		R. S. Highlands, Papua NG	3275.0do						
1930-2025		Radio Polonia, Warsaw	7165.0eu	7265.0eu					
1930-2000		Radio Sweden	6065.0eu						
1930-2030		Swiss Radio Int'l	13645.0af	15220.0af	17580.0af	17735.0af			
1930-2000		Salamaa Radio	15250.0af						
1930-2000		VOA Special English	7260.0eu	9680.0me	13635.0me	13725.0me			
1935-1955		RAI, Rome	5970.0eu	9745.0eu					
1940-2000	mtwhfa	Voice of Armenia, Yerevan	4810.0eu	9960.0eu					
1950-2215		Radio New Zealand Int'l	15160.0pa						
1950-2000		Vatican Radio	4005.0eu	5885.0eu	7250.0eu	9645.0eu			
2000-2010		Vatican Radio	4005.0eu	5885.0eu	7250.0eu	9645.0eu	9660.0af	11625.0af	
			13765.0af						
2000-2027		Radio Prague Int'l	5930.0eu	11600.0as					
2000-2030		HCJB Quito Ecuador	17660.0eu						
2000-2030		Voice of Mongolia	12015.0as						
2000-2100		BBC World Service	3255.0af	6005.0af	6190.0af	6195.0eu	9410.0eu	9630.0af	
			11835.0af	12095.0af	15400.0af	17830.0af			
2000-2030	mtwhf	Tomorrow's News Today	7590.0eu						
2000-2030		VOA	4950.0af	6035.0af	6095.0eu	7375.0af	7415.0af	9760.0eu	
			9770.0eu	11855.0af	11975.0af	15410.0af	15445.0af	15580.0af	
			17745.0af	17895.0af					
2000-2045		Deutsche Welle	6140.0eu						
2000-2045		Radio Iraq Int'l	9687.0ir	11787.0ir					
2000-2056		China Radio Int'l	9440.0af	11640.0af	11790.0eu	13630.0af	15110.0af		
2000-2059		Radio Canada Int'l	5850.0va	5995.0va	11690.0va	11965.0va	12015.0va	15325.0va	
			15470.0va	17870.0va					
2000-2100		Radio Algiers	11715.0in	15160.0in					
2000-2100		Radio Australia	9500.0as	9580.0pa	9815.0pa	11880.0pa	12080.0pa		
2000-2400		R. for Peace Int'l	15038.8va	21815.0uf					
2000-2100	a	Scandinavian Weekend R.	5990.0va	11720.0va					
2000-2100		Voice of Hope, Germany	6175.0eu	15715.0me					
2000-2100		Voice of Indonesia	9525.0eu	11785.0eu	15150.0eu				
2000-2200		R. Central, Papua NG	3290.0do						
2000-2100		Voice of Russia	9480.0eu	9775.0eu	11675.0eu	12030.0eu	12070.0eu	15455.0eu	
			15735.0am						
2000-2100		AWR Africa, Meyerton	9745.0af						
2000-2100	mtwhf	Radio Exterior de Espana	9570.0af	15290.0eu					
2000-2100		Radio Damascus	12085.0eu	13610.0eu					
2000-2100		WBCQ Monticello ME	7415.0na	17494.9na					
2000-2400		WHRI Noblesville IN	5745.0va	9495.0am					
2000-2100		WYFR Okeechobee FL	13855.0af	15775.0af	17725.0sa	17845.0af	18980.0eu		
2010-2030		Vatican Radio	9660.0af	11625.0af	13765.0af				
2025-2045		RAI, Rome	9670.0af	11880.0af					
2030-2045		Radio Thailand	9680.0eu						
2030-2057		Voice of Vietnam	11640.0eu	13740.0eu					
2030-2100	t h	Radio Minsk, Belarus	7105.0eu	7210.0eu					
2030-2130		Radio Havana Cuba	13660.0uf	13750.0eu					
2030-2200		HCJB Quito Ecuador	17660.0eu	21455.0uf					
2030-2115		Radio Cairo	15375.0af						

2030-2130		Voice of Turkey	9525.0as						
2030-2100	f	Wales Radio Int'l	7325.0eu						
2030-2100		VOA	6035.0af	6095.0eu	7375.0af	7415.0af	9760.0eu	9770.0eu	
			11975.0af	15410.0af	15445.0af	15580.0af	17745.0af	17895.0af	
2030-2100	s	a VOA	4950.0af						
2030-2100		Radio Tashkent	5025.0eu	9545.0eu	11905.0eu				
2040-2050		Voice of Africa, Libya	15435.0ir	17750.0ir					
2045-2100		All India Radio, Delhi	7150.0au	7410.0eu	9650.0eu	9910.0au	11620.0au	11715.0au	
2100-2130		BBC World Service	3915.0as	5965.0as	6005.0af	6190.0af	6195.0as	6195.0eu	
			9410.0eu	11835.0af	11945.0as	12095.0as	15400.0af		
2100-2115	mtwhf	BBC World Service	5975.0ca						
2100-2130		Radio Australia	7240.0pa	9500.0as	9580.0pa	9660.0pa	11880.0pa	12080.0pa	
			17715.0pa	21740.0pa					
2100-2130		Radio Canada Int'l	5850.0va	7235.0va	13690.0va	15325.0va	17870.0va		
2100-2130		China Radio Int'l	11640.0af	11790.0af	13630.0af	15110.0af			
2100-2130		Radio Budapest	3975.0eu	6025.0eu					
2100-2130		Radio Mexico Int'l	9705.0am	11770.0am					
2100-2130		Radio Korea	3955.0eu	15575.0eu					
2100-2130		Radio Yugoslavia	6100.0in						
2100-2145		Deutsche Welle	9670.0as	9765.0as	9875.0af	11865.0af	11915.0as	15135.0af	
2100-2156		Voice of Korea	4405.0eu	7505.1eu	11335.0eu				
2100-2156		Radio Romania Int'l	9510.0eu	9725.0eu	11740.0eu	11940.0eu			
2100-2200		R. Nacional de Angola	3374.9va	7216.8va					
2100-2200		AWR Europe, Austria	15355.0af						
2100-2200		Radio Bulgaria	9400.0eu						
2100-2300	f	Scandinavian Weekend R.	6170.0va	11690.0va					
2100-2230		All India Radio, Delhi	7150.0va	7410.0eu	9650.0eu	9910.0au	11620.0au	11715.0au	
2100-2200		Radio Japan	6035.0pa	6055.0eu	6180.0eu	11830.0eu	11855.0af	17825.0na	
			17860.0pa	21670.0pa					
2100-2200	s	a Radio Exterior de Espana	9570.0af	9840.0eu					
2100-2200		Radio Damascus	12085.0na	13610.0na					
2100-2200		Radio Ukraine Int'l	5905.0eu	6020.0eu	9950.0eu	11705.0eu	11950.0eu		
2100-2200		VOA	6035.0af	6040.0eu	6095.0eu	7375.0af	7415.0af	9530.0eu	
			9705.0as	9760.0eu	11870.0as	11975.0af	13765.0as	15185.0as	
			15410.0af	15445.0af	15580.0af	17740.0as	17820.0as	17895.0af	
2100-2400		WBCQ Monticello ME	7415.0na	9335.0na					
2100-2200		WYFR Okeechobee FL	13855.0af	15120.0af	17725.0sa	17845.0af	18980.0eu		
2115-2130	mtwhf	BBC Caribbean Report	5975.0ca	11675.0ca	15390.0ca				
2115-2130	s	a BBC World Service	5975.0ca						
2115-2200		Radio Cairo	9990.0eu	15375.0af					
2130-2145	t f	BBC Calling Falklands	11720.0sa						
2130-2156		China Radio Int'l	11790.0eu	15110.0eu					
2130-2157		Radio Prague Int'l	11600.0as	15545.0af					
2130-2200		Radio Tirana, Albania	7130.1eu	9540.2eu					
2130-2400		ABC Alice Springs	2310.0ir	4835.0do					
2130-2400		ABC Katherine	5025.0do						
2130-2400		ABC Tennant Creek	4910.0do						
2130-2200		Radio Australia	7240.0pa	9660.0pa	11880.0pa	12080.0pa	17715.0pa	21740.0pa	
2130-2200	smtwhf	DRF Vienna	5945.0eu	6155.0eu					
2130-2200		KSDA Guam	11850.0as	11980.0as					
2130-2230		VOIRI Teheran	9570.0au	13665.0au					
2130-2200		Radio Korea	15575.0eu						
2130-2200		Radio Sweden	6065.0eu	15255.0as					
2130-2200		BBC World Service	3915.0as	5965.0as	5975.0ca	6005.0af	6190.0af	6195.0as	
			6195.0eu	9410.0eu	11835.0af	11945.0as	12095.0sa	15400.0af	
2130-2200		Radio Tashkent	5025.0eu	9545.0eu	11905.0eu				
2200-2230		Radio Canada Int'l	6175.0am	9590.0am	11920.0am	13670.0am	15305.0am	17695.0am	
			17880.0am						
2200-2230	mtwhf	Radio Mexico Int'l	9705.0am	11770.0am					
2200-2400		VOA	7215.0as	9705.0as	9770.0as	11760.0as	13765.0as	15185.0as	
			15290.0as	15305.0as	17740.0as	17820.0as			
2200-2230	mtwhf	VOA	5855.0af	6035.0af	7375.0af	7415.0af	11975.0af		
2200-2230	smtwhf	Radio Yugoslavia	7230.0in						
2200-2245		Radio Cairo	9990.0eu						
2200-2256		China Radio Int'l	9880.0eu						
2200-2400		Caribbean Beacon	6090.0am						
2200-2300		Radio Australia	13620.0as	15240.0as	17715.0pa	17795.0va	21740.0pa		
2200-2400		Voice of Guyana	3291.3do	5949.4do					
2200-2300	s	f a Italian Radio Relay Svc	7120.0uf	7125.0af					
2200-2300		Radio Taipei Int'l	15600.0eu						
2200-2300		Voice of Turkey	11960.0va	12000.0va					
2200-2300		BBC World Service	5965.0as	5975.0ca	6195.0va	7105.0as	11685.0as	11835.0af	
			12095.0af	15400.0af					
2200-2400		WEWN Birmingham AL	9975.0na	17595.0af					
2200-2300		WHRA Greenbush ME	17650.0eu						
2200-2400		WSHB Cypress Creek SC	13770.0eu	15285.0sa					

2200-2300	WWCR Nashville TN	7435.0na	9475.0na	12160.0na	13845.0na		
2200-2400	WWRB Manchester TN	6890.0uf	12172.0uf				
2200-2300	WYFR Okeechobee FL	11740.0na	15695.0eu	17845.0af			
2205-2230	RAT, Rome	11900.0as	15265.0as				
2215-2400	Radio New Zealand Int'l	17675.0pa					
2230-2257	Radio Prague Int'l	11600.0na	15545.0na				
2230-2259	R. Vlaanderen Int'l	15565.0na					
2230-2400	Radio Canada Int'l	6175.0na	9590.0na	13670.0na	17695.0na		
2230-2330	Radio Havana Cuba	9550.0am					
2230-2400	Nat'l BC, Papua NG	9675.0do	11880.0ir				
2230-2400	KWHR Naalehu HI	17510.0as					
2245-2400	All India Radio, Delhi	9705.0as	9950.0as	11620.0as	13605.0as		
2300-2330	Radio Australia	9660.0pa	12080.0pa	13620.0as	15240.0as	17715.0pa	17795.0pa
		21740.0pa					
2300-2356	China Radio Int'l	5990.0na	13680.0na				
2300-2330	BBC World Service	3915.0as	5965.0as	5975.0ca	6195.0as	7105.0as	11685.0as
		11945.0as	11955.0as	12095.0sa	15280.0as		
2300-2330	VOA Special English	7190.0as	7200.0as	9545.0as	11925.0as	13775.0as	
2300-2345	Deutsche Welle	9815.0as	12000.0as	17560.0as	21790.0as		
2300-2356	Radio Romania Int'l	9570.0eu	11740.0na	11775.0eu	15105.0na		
2300-2400	Radio Bulgaria	9400.0na					
2300-2400	Radio Cairo	9900.0am					
2300-2400	f Scandinavian Weekend R.	5980.0va	11690.0va				
2300-2400	SBC Radio 1, Singapore	6150.0do					
2300-2400	WHRA Greenbush ME	7580.0eu					
2300-2400	s a WRMI Miami FL	9955.0am					
2300-2400	mtwhf WRMI Miami FL	7385.0na					
2300-2400	WRNO New Orleans LA	7354.4va					
2300-2400	s a WWBS Macon GA	11910.0uf					
2300-2400	WWCR Nashville TN	5070.0na	7435.0na	9475.0na	13845.0na		
2300-2400	WYFR Okeechobee FL	5985.0sa	11740.0na	11855.0sa	15255.0sa	17750.0sa	
2305-2312	Croatian Radio, Zagreb	9925.0sa					
2330-2357	Voice of Vietnam	9840.0as	12020.0as				
2330-2400	Radio Australia	9660.0pa	11695.0as	12080.0pa	13620.0as	15240.0as	15415.0as
		17715.0pa	17795.0pa	21740.0pa			
2330-2400	Voice of Hope, Lebanon	6025.0as					
2330-2400	Radio Vilnius, Lithuania	9875.0na					
2330-2400	Radio Netherlands	6165.0na	9845.0na				
2330-2400	Swiss Radio Int'l	9885.0sa	11905.0sa				
2330-2400	BBC World Service	3915.0as	5965.0as	5975.0ca	6195.0as	7105.0as	9580.0as
		11685.0as	11945.0as	11955.0as	12095.0sa	15280.0as	
2330-2400	VOA Special English	7190.0as	7200.0as	7225.0as	7260.0as	9545.0as	11805.0as
		11925.0as	13735.0as	13775.0as	15205.0as		
2340-2350	Voice of Africa, Libya	15435.0ir	17750.0ir				
2345-2400	Radio Pakistan	11580.0as	15455.7as				
24hr-	CFRX Toronto ON	6070.0in					
24hr-	CFVP Calgary AB	6030.0do					
24hr-	CKZN Saint John's NL	6160.0do					
24hr-	CKZU Vancouver BC	6160.0do					
24hr-	ZLXA New Zealand	3935.0do					
24hr-	R. UNAMSIL, Sierra Leone	6137.8af					
24hr-	University Network	5029.1am	6150.0am	7375.0am	9725.0sa	11869.9am	13749.9na
24hr-	AFRTS	3903.0uf	4278.5uf	4319.0uf	4993.0uf	6350.0uf	6458.5uf
		10320.0uf	12579.0uf	12689.5uf	13362.0uf		
24hr-	WJCR Upton KY	7490.0am	13595.0as				
24hr-	WTJC Newport NC	9370.0na					

Key:

Days:

s - Sunday
m - Monday
t - Tuesday
w - Wednesday
h - Thursday
f - Friday
a - Saturday

Target Areas:

na - North America
ca - Central America
sa - South America
am - Americas
eu - Europe
af - Africa
me - Middle East
as - Asia
pa - Pacific

Other Notes:

va - Various
do - Domestic
om - Omnidirectional
in - Inactive
ir - Irregular
oc - Occasional
al - Alternate
lf - Lower Sideband
uf - Upper Sideband

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