

NASWA

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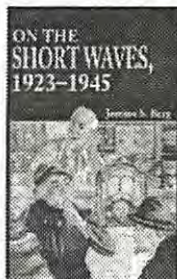


Holiday Greetings



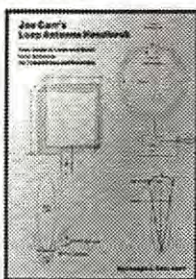
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Season's greetings! It seems like 1999 began only a few short months ago and here we are closing out the year. I hope your favorite overpriced toy or gizmo will make its way into your possession during this time of the year. If not, you may have to hold your breath for another 12 months. Holiday greetings to all members.

Not all news is joyous this holiday season. From long time friend and DX associate **Anker Petersen** we learn that **Jens Frost**, the popular editor of the *World Radio TV Handbook* ("WRTH") for some many years, passed away suddenly on October 18, 1999 after a heart stroke. Anker had just spoken to him only a few days prior to his passing where Jens confirmed his participation in the EDXC Conference on November 6th in Copenhagen. Jens would have been 80 years this month. He was Assistant Editor of WRTH 1961-1963, Editor-in-Chief 1964-1986, and Editor Emeritus 1987-1999. Letters of condolences can be sent to his daughter and son-in-law, Sonja Frost & Per Soerensen, Engvaenget 18, DK 2650 Hvidovre, Denmark.

Here's some exciting contest information from **Giovanni Serra**, *The Four Winds Online SW DX Newsletter* editor, concerning the A.I.R. CONTEST 2000 "Attilio Leoni". The contest will start at 1700UTC on January 5th, 2000, and will end at midnight UTC on January 16th, 2000. Participation is open for all radio listeners, A.I.R. members and non-members alike. The Contest is divided into the following parts: First part: free listening

ANARC SWL Ham Net

Dave Kirby, one of the net controls for The ANARC SWL Ham Net, has announced a survey to determine whether the net should come back from its summer hiatus. Questions include whether you would be willing to participate on air or via IRC chat channel #swl. Dave and Al Quaglieri hope to bring the net back this fall, depending on the results of the survey. You can find the survey and more information about the future of the ANARC SWL Ham Net at Dave's web site, <<http://www.n1dk.com/>>.

on 49 meters band between the range 5800 and 6200 kHz, from January 5 at 1700UTC to January 9, 2000, at midnight UTC, in any language. Second part: listening to programs in any language of the following stations, at any time from January 10 at 0000UTC to January 16, 2000, at midnight UTC (on broadcast frequencies between 150 and 26100 kHz): Radio Tirana, Radio Nacional de Angola, R.Argentina al Exterior, Voice of Armenia, Radio Austria Int., Radio Bangladesh, Radio Botswana, Radio Brasil Central, Radiodiff. de Burkina, La Voz Cristiana, Radio Taipei Int., HCJB, Radio Cairo, Radio France Int., Africa No.1, All India Radio, VOIRI Tehran, Kol Israel, RAI International, NHK Radio Japan, Radio Jordan, Radio Pyongyang, Voice of the Mediterranean, ORTM (Mauritania), Radio Netherlands, Voice of Nigeria, Radio Norway Int., Radio Pakistan, Radio Romania Int., Voice of Russia, Radio Slovakia Int., Channel Africa, Swiss Radio Int., Radio Tunis



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

Our Motto is - "Unity and Friendship"

Membership Questions?

If you have any questions concerning your membership, renewals, change of address, etc please contact Bill Oliver by postal mail (45 Wildflower Road, Levittown, PA 19057) or e-mail (boliver@bboard.com).


Int., Radio Ukraine Int., BBC, Voice of America, WEWN, Radio Tashkent, and Radio Vaticana.

Each station can be logged only once. The listening report will have a minimum time of 15 minutes. The reports must contain all useful references (frequency, UTC time, station name, language, the most important details for a good valuation, SINPO code), technical data (receiver, antenna and optional). The listening list, with your participation fee, must be sent to this address: BRUNO PECOLATTO, AIR Contest Manager, via Soana 13, I-10085 PONT CANAVESE (TO) ITALY e-mail: <pecolatto@eponet.it> Not later than February 26th, 2000 (date of postmark). On the same report the participant must indicate name, address and a short declaration as follow: "I take the responsibility on myself that I have listened to all the stations reported during the time of validity of contest". All details will be very important for a correct estimate of the contest results and for additional controls the Contest Manager could ask your audiotape. The scores will be computed on a base of 101 + points for each station deducting the participants percentage that listened to the same station. Decimal will not be considered. A bonus of 200 points will be awarded to all those who will report the highest number of program details for each station and not only generic terms such as news, music, comments, etc. The participation fee is 6 IRC's to be sent with your listening list to Contest Manager. Each participant will receive a certificate of participation. First prize is a copy of the *WRTH 2000* offered by A.I.R., second prize is a copy of the book *Una vita per la radio* offered by A.I.R., third prize is a copy of the book *The radio pirates aboard the offshore forts in the Thames estuary* offered by Pirate News, and fourth prize is a radio controlled table clock offered by A.I.R. Get an extra 100 points by

answering the A.I.R. QUESTIONNAIRE 2000—state your three favorite DX programs of any broadcast radio station.

From **Adrian Peterson** we learn that **Ron Killick** of Christchurch, New Zealand is the world winner in the annual DX contest conducted by Adventist World Radio. He amassed a remarkable total of more than 67,000 QSLs during the past 45 years. Ron will be awarded the 1999 Bronze Medallion and a deluxe copy of **Jerry Berg's** new book, *On the Short Waves*. The 1999 DX contest was conducted during September in conjunction with the AWR DX program, "Wavescan", and it invited listeners to submit details of large QSL collections and to describe the longest time they waited to receive a QSL. The "Longest Wait" is 31 years and that's how long Karl-Erik Stridh in Hoganas, Sweden, waited to receive a QSL card from the ship station, Radio Syd. In a strange set of circumstances, he heard the station as a youth, and received a QSL card from one of the staff he befriended 31 years later. Don Moore (U.S.A.) has a total of more than 28 QSLs exhibiting the "Long Wait". In some cases, he later visited the station in Latin America and collected the QSL personally. The other Continental Winners are Ivan Lopez Alegria in Mexico, Madan Mukherjee in India, and David Gordon in South Africa.

Here's a brief reminder that **Radio Nuevo Mundo's** 21th anniversary pennant is currently available for only US\$5.00, which includes shipping. You can order it from **Takayuki Inoue Nozaki**, 18-11 Fuzimi-cho, Hachioji-shi, Tokyo 192-0044, Japan. Also, the special 20th anniversary giant pennant is still available for US\$20.00.

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

Calendar Of Events

Dec 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.

Dec 17 Meeting. Boston Area NASWA Chapter. *This month's meeting is cancelled.* For more information contact Paul Graveline at 978-470-1971 or Internet: 74007.3434@compuserve.com. The URL for the BADX guys is <<http://www.anarc.org/naswa/badx/>>.

Jan'00 Contest. A.I.R. CONTEST 2000 "Attilio Leoni". The contest will start at 1700UTC on January 5th, 2000, and will end at midnight UTC on January 16th, 2000. Participation is open for all radio listeners, A.I.R. members and non-members alike. The listening list, with your participation fee, must be sent to this address: BRUNO PECOLATTO, AIR Contest Manager, via Soana 13, I-10085 PONT CANAVESE (TO) ITALY e-mail: <pecolato@eponet.it> Not later than February 26th, 2000 (date of postmark). Complete details in December's NASWA Notes column.

Jan 14 Meeting. The Tidewater SWL's meet at 6:30 PM. For more information plus meeting location contact Joe Buch at joseph.buch@dol.net

Jan 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 <mmeece@siscom.net>. For additional information about MONIX, check out their web site at <<http://www.siscom.net/~mmeece/monix.html>>

Mar 10-12, 2000 Convention. The 13th Annual Winter SWL Festival will be held at the Kulpsville Holiday Inn (Exit 31 on the Northeast Extension of the Pennsylvania Turnpike) on 10-12 March 2000. Richard Cuff and John Figliozzi co-chair the organizational committee.

Mar 19-21 Contest. 2000 North American DX Championships. For further information you can send a self-addressed stamped envelope to 2000 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606. Rules will also be posted eventually at <<http://www.anarc.org/>>.

Sep'00 Contest. AWR Contest. Number of different QSL stamps in the listener's collection. More details to follow.

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....

The Bolivian Survey, compiled by Tony Jones, was being sold for US\$ 1.00 in North America or overseas for 8 IRCs airmail through headquarters. Loudenboomer presented "Alphonse and the Magic Christmas Tree." Ed Shaw presented his last *Shortwave Center* column for several months and introduced replacement editor Charlie Wootten. Carroll (Pat) Patterson wrote about the Karelo-Finnish SSR while Marlin Field wrote about Christian Radio Voices. Dan Jamison's *Listener's Notebook* column carried special Spotlight features about Rwanda and Equatorial Guinea contributed by Al Miller. Members were encouraged to buy their copy of the 1975 *World Radio TV Handbook* from Gilfer Associates for \$8.95. Bob Zabot presented his first *QSL Report* column. Ten members reported hearing 200 or more countries in Neal Perdue's *Scoreboard* column: Don Jensen (216), Gerry Dexter (213), James Young (211), Sam Barto (207), John Campbell (205), San Henderson (204), Bob Padula (203), Ed Shaw (203), Ernie Behr (201), and Bill Sparks (200). Only Jensen (211) and Dexter (209) had at least 200 countries verified.

Musings

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

G. Victor A. Goonetilleke <victorg@slt.lk>, 4S7VK, "Shangri-La," 298 Madapatha Road, Kolamunne, Piliyandala. Sri Lanka

Re: JENS FROST 1919-1999

As the e-mails come streaming through, I sit stunned and deeply affected by the passing away of the dearest old man I have ever touched. I have no idiom to pay tribute to Jens for what ever I say will lack in beauty and quality and fade far short of my goal.

After 17 years of correspondence as a contributor to the WRTH, I was greatly honoured to meet Jens in Stockholm at EDXC 84. If anyone fitted my affectionate mental picture perfectly, Jens did. I had never been abroad and the overwhelming DX community at its zenith then, dazzled too strong before me, but Jens held me tight and had me next to him right through that weekend. I traveled down to Copenhagen with him and met him again in 1995, in Rebild EDXC 95, and there again he clasped me to his side. The eleven years hadn't changed him and he was just as I had met him in '84. A perfect gentleman, a noble man and friend of all. In my eyes his contribution to radio broadcasting and listening through the pages of the *World Radio & TV Handbook* can hardly be paralleled. He was my personality of the millennium.

Even though I met him personally and he wrote me and phoned me many times, he was always a mystical figure, a figure that death can not change for he was more legend even in life. Jens Frost will pass on into the legends of radio listening, yet too large for a legend and thus into the mythology of our age. If ever limitless my wireless heart loved, and loved deep and completely, then it was the silver haired genial soul of this great simple and unassuming man. Good bye Jens, Good bye my dear friend you will walk with those that death can only immortalise.

Richard E. Wood, Ph.D., P.O. Box 2895, Kailua-Kona, HI 96745

The segment of the "History of ANARC" in the October *Journal* brought back happy memories, especially of my meeting with August Balbi, "the Dean of DXers" of the post-WWII period, and of my chairmanship of the ANARC Frequency Recommendation Committee. Its offshoot, the committee to persuade stations to announce precise frequencies (rather than meterbands) was at least partly successful before it disbanded, but its major failure then and much later was Radio Moscow (and the other Soviet external services) to announce exact frequencies rather than ignoring the final 5 of those not ending in 0. Thus, announced "7.10" could be either 7.100 or 7.105. The reason for this seems to be that, in Russian, there is no simple word corresponding to the decimal point, expressed in English as point, French virgule, German komma, etc. It has to be expressed as a fraction, hundredths, thousandths, etc. Thus, moving in a list from, say, 7.10 to 7.105 would mean a move from hundredths to thousandths and back, a seeming confusion of units.

On a different subject, I'd like to explore the possible holding of a DX convention at my shack in Hawaiian Paradise Park, between Kea'au and Pahoia in the Puna district of East Hawaii. The focus would be on constructing Beverage antennas and developing Beverage switching, matching and mixing units, and experimenting with resistors at various points, ground systems (probably surface-level radials as lava rock makes digging difficult), etc.

As some of you know, East Hawaii is a superb DX location for most areas, notably Africa and Asia and even across the pole to Europe. It is probably the best spot in the United States for worldwide medium wave reception (northern Alaska is doubtless better for Europe, but may not offer the South American, African and possibly Down Under reception we enjoy here). Here in the Hilo area we receive MW stations 10 to 12 times zones away almost daily, e.g. BBC-UK-1296 kHz, Abu Dhabi-1332, Saudi Arabia-1440, and BBC-Oman-1413.

The problem would be the logistics of holding a convention at the one-room shack with its limited sleeping and bathing facilities. Much of the acre is planted in pineapples, but if participants brought tents, they could pitch them in places. The alternative, to hold the convention in a big, RFI-plagued downtown Hilo hotel, would defeat the purpose—to build and adjust Beverages all day, then DX on them all night. On timing, I am open, but March or April should be good for reception from all continents. Please contact me by mail, please, no phone calls; most of the week I am away earning a living in Kona on the other side of the island, not such a good DX location. Sooner or later I hope to retire to live and DX full-time in Puna.

Doug Robertson, 4045 Sunset Lane, Oxnard, CA 93035

There was some transcription errors in the November 1999 musings letter of mine, all in the second paragraph. Here are the corrections, taken directly from the original letter:

1st sentence—add “marine” between “British” and “industry”

2nd sentence—spell “Lowe” vice “Lower”

3rd sentence—substitute “30 MHz AM” for “20 MHz”

As an aside, please recognize the illogicality of Sitex's labeling of the Nav-Fax 100 (voice only) receiver as it cannot present decode FAX transmissions. The listener would hear a tuned facsimile transmission station as a rapid, high-pitched jumble of semi or quasi-musical “hum.” I am enclosing a tear sheet from Sitex's catalog on the receivers. (*Anyone interested in a copy should send me a SASE—RAD*)

Contribute!

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

Easy Listening

Richard D. Cuff
327 Springhouse Road, Apt. 102
Allentown, PA 18104
Internet: rd cuff@sprintmail.com

How Do We Want our Shortwave to Sound?

English is not the main language for most broadcasters we listen to on shortwave. While English is widely spoken in many Western European countries (France a notable exception), this is certainly not the case most places. As such, we can't expect as lively nor as smooth a presentation as we hear on our local public radio stations, and pronunciation, grammar, and usage won't be up to our usual expectations. Nor will broadcast styles necessarily match up with domestic content, as international services cannot assume its listeners would understand or appreciate nuances of interest to a largely domestic audience.

For that reason, I tend to focus on the actual *content* of shortwave programs, not so much the presentation styles. I'm frankly more interested in presentation styles for such stations as Radio Australia, BBC World Service, Radio Canada International, Radio New Zealand International, and the VOA—stations where English is the home country's first language. With that preamble, should we appreciate stations such as Radio Netherlands, having a very "American" sound? Would we rather hear more of a Dutch sound? That's one reason Radio Netherlands may be featuring more domestic content, specifically in the new Sunday 0053 program, *Dutch Horizons*. A review appears a bit later. What are your thoughts on how a station should sound?

Radio Netherlands: Review and Preview

Mondays, 0053, and Wednesdays, 2353:

Dutch Horizons is a new weekly program from Radio Netherlands replacing *Sounds Interesting* in the lineup. As usual, it's another interesting, well-produced effort from Hilversum. *Dutch Horizons* is a cultural magazine program featuring perspectives on Dutch opinions and current issues. Frankly, that's been one item somewhat lacking, up to now, from Radio Netherlands. One refreshing aspect in the program I sampled was that all was not rosy in Holland; the program I listened to featured a journalist who has been ostracized by Holland's mainstream media for years. I wish other stations would spend some time telling us how things could be better in their countries than they are today.

Here is a quick look at upcoming *Documentaries*, airing Thursdays 0053 and Fridays 2353:

December 9th/10th: *The transition from lawlessness to rule of law*. Most people think of modern-day Russia as a generally lawless society, in which economic and political life are dominated by corruption and mobsters. Behind the scenes, however, in a long slow process that has received a lot less media publicity than the gangland killings, Russian jurists have been trying to build a new legal framework for a society based on rule of law. Most of a new Civil Code, for example, has been enacted, in record time in recent years providing a blueprint for a free market economy in Russia. This was done partly in consultation with other countries, including the Netherlands. On the eve of parliamentary elections in Russia, Marijke van der Meer looks at how the new laws are working, in spite of the huge struggle against corruption.

Also in December, but with no dates, H el ene Michaud will present two millenium-related documentaries; the first deals with events around the year 1000, and the second, a discussion with soothsayers and scientists about the year 2000.

The year will be rounded out with the last edition of *Stories of the 20th Century*, with guest speaker Jeremy Rifkin's look at Aldous Huxley and *Brave New World*. (RNW website)

Deutsche Welle in December

Not only was November noteworthy on Deutsche Welle for its coverage of the fall of the Berlin Wall, but the ongoing series *After the Revolution—the Changing Face of Eastern Europe* will continue in the second week of December. *Newslink, Inside Europe* (Sundays 0130), and *Insight* (Wednesdays, 0130/0330/0530) will feature special programs on how Eastern Europe has evolved since the heady days of 1989. Who were the winners and losers in the revolutions bringing down communism? Can these countries close the economic gap with the west?

Arts on the Air (Mondays 0130 and 0330) continues its series of in-depth profiles of many of Germany's most influential 20th century artists through the end of December, interspersed with current arts news from Germany. Visual artist Josef Beuys, dramatist Bertolt Brecht, and dancer/choreographer Pina Bausch are among the artists profiled in the series.

While one normally thinks first of the BBC's *Everywoman* when it comes to programming concerned with women's issues, Deutsche Welle's entry, *Women on the Move* (alternate Sundays, 2130, in the West Africa release), shouldn't be forgotten. While the program focuses mainly on European issues, producer and presenter Gudrun Heise includes multi-continental perspectives.

China Radio International

Voices from Other Lands (Wednesdays) will sample international perspectives as we approach a new century and millennium in its December 22nd edition. [Please, no phone calls...I know the millennium and next century are still one year away...]

Cultural Spectrum (Thursdays) visits Guozijian, the Imperial College, built in 1306. Guozijian is the only remaining example of the unique architectural styles of the ancient government-sponsored learning activities, and will be featured on December 23rd. The ancient Chinese imperial examination system will also be reviewed.

Music from China (Saturdays), in its December 4th edition, will feature music dwelling on the return of Macao from Portugal to China. The fanfare will likely be less than it was for Hong Kong's turnover; the handoff itself will occur on December 20th.

BBC Radio 4: Webcast Now Available

I hesitate opening with this because it isn't directly shortwave, but a live webcast of BBC's Radio 4 spoken word domestic service is now available at <http://www.bbc.co.uk/radio4>. Since programs are often shared between the World Service and Radio 4, and these Radio 4 airings may give you an opportunity to hear favorites (e.g. *Brain of Britain*, *Letter From America*, *From Our Own Correspondent*) at alternate times that might better fit your schedule, I feel it's valid for mention here.

BBC World Service Highlights

General Features

Friday, December 31st, 0950: The World Service begins a special *Millennium Weekend* of programming, running from December 31st through January 2nd. Unfortunately,

details of only the December 1st topics were available as of deadline. Here are the specific programs for that day:

- 1405 *Science In Action* lengthened to 40 minutes
 - 1445 *World Business Report*
 - 1505 *Focus On Africa*
 - 1530 *My Century*
 - 1545 *World News*
 - 1615 *Andy Kershaw's World Of Music*
 - 1645 *Insight*
 - 1700 *Newsdesk*
 - 1730 *World Business Report*
 - 1745 *My Century*
 - 1800 *World News*
 - 1832 *Focus On Faith*
 - 1900 *World News*
 - 1905 *Bug Watch 2000*
 - 1945 *Clouded Hills*
 - 2000 *Newshour*
 - 2115 *World Business Report*
 - 2125 *My Century*
 - 2130 *Music Review Special*
 - 2200 *The World Today*
 - 2215 *Sports Roundup*
 - 2230 *Feature (TBA)*
 - 2300 *The World Today*
- (North Americas frequencies off air from 1700 until 2100)

Details for January 1st and 2nd should come available in mid- to late-December, too late for this issue and not likely to be published early enough in January. Check the NASWA web site at <<http://www.anarc.org/naswa>>, where we'll post the details when we have them.

Other features include:

Fridays, 1430, repeated Mondays, 1630: *The Farming World* is rarely covered here. In December, a new series begins showing how farming has influenced the course of history.

Saturday, December 25th, 1600 and 2100: *Her Majesty The Queen's Christmas Message to the Commonwealth* is an annual 15-minute tradition on the World Service.

Tuesdays, beginning December 7th, 0430, with first airing Mondays, 1615: *Clouded Hills*, a six-week, 15-minute poetic series journeying around England, with stopping points selected for their relevance to long-admired poems. Richard Holmes, a distinguished literary biographer, hosts.

Friday, December 31st, as shown above: *My Century* features highlights from the past year in the millennium editions of the program, which also include listener reaction and feedback on the yearlong series, which will conclude with the Millennium Weekend special editions.

Popular Music and Youth

Thursdays, 0530, 1615, and 2230: *The Top Twenty Albums of the Century* is a four-part, 30-minute series in which Bush House staff have voted for their 20 favorites of all time. Kevin Greening counts them down, and mixes in stories from some of the people who have made the albums, and what they think of their work now. Also, find out the Bush House pick for the greatest album of all time.

Saturdays, 2230, repeated Tuesdays, 1615: *The Vintage Chart Show* is winding down after 12 years, with December shows featuring the best selling singles of the '70s, the '80s, and Christmas music. The show wraps up with Paul Burnett's own personal favorites from the '50s to the current day.

Religion

Saturday, December 11th, 0430: *Ramadan* takes a look at the discipline of Ramadan for the world's Muslims.

Wednesdays, beginning December 16th, 0430, repeated Fridays 1515: *A Season for Everything: Holy Paradoxes* looks at the book of Ecclesiastes in the Old Testament, and the familiar phrase, "...a time to born and a time to die, a time to weep and a time to laugh..." Why have these paradoxes, attributed to King Solomon, been so timeless? Angela Wood, a long-standing World Service religious program contributor, hosts.

Friday, December 24th, 1502 and 2230: *Festival of Nine Lessons and Carols* returns for its 71st year on the BBC. The festival is held at King's College at Cambridge. Duration: 90 minutes.

Drama and the Arts

Saturdays, 2230, repeated Sundays, 0630: *Play of the Week* selections include:

December 11th / 12th: *Blithe Spirit*, Noel Coward's play about ghostly presences. Novelist Charles Condomine cynically invites spiritulist Madame Arcati to conduct a seance in his home, but the unexpected happens—the spiritulist produces his dead wife, Elvira. Only there's one problem: Condomine's second wife is very much alive and is not too keen to have the company.

December 18th / 19th and 25th / 26th: *The Picture of Dorian Gray*, Oscar Wilde's classic about a young man selling his soul for his beauty. First published in 1890, Wilde's novel was widely condemned by his contemporaries as an affront to Victorian society. Among the actors: Ian McDiarmid, last seen in *Star Wars: The Phantom Menace*.

Tuesdays-Saturdays, 0445: *Off The Shelf* features include:

Deborah Moggach's *Tulip Fever*, read by Emma Fielding and William Gaminara, from December 14th through 25th.

Celebrities' Yuletide favorites are featured during the week between Christmas and New Year's Day, including Laurie Lee's *Cider With Rosie*, Dylan Thomas' *A Child's Christmas in Wales*, *Baboushka*, Charles Dickens' *Christmas at Dingley Dell*, and Hans Christian Andersen's *The Snow Queen*.

Saturdays, beginning January 1st, 0130; first airing Thursdays, 1430: *Lifespan* is a new four-part dramatic series presented by Britain's Royal Shakespeare Company. The series uses literary reading to tell the story of

life, and explore the power of language and literature. Poetry, prose and drama are used to illustrate how language reflects growing up, growing old, and passing on.

Light Entertainment

Sundays, through December 19th, 0430 and 2230; repeated Wednesdays, 1530: *Brain Of Britain 1999* wraps up the 1999 competition this month. Robert Robertson hosts the program through the finals on the 19th.

Classical Music

Saturday, December 25th, 1401: The *Millennium Concert* offers a two-hour program of Mozart's chamber music, performed by the *Quatuor Mosaïques*, considered the world's leading period-instrument string quartet. The setting is Mozart's home town of Salzburg, Austria..

Internet Mailing List on Shortwave Programming

We've had several interesting threads in our shortwave programming/international broadcasting discussion group, and it's not too late to join in the two-way dialogue. If you're interested in advance program information that comes in too close to air dates to be used here, or are interested in this two-way programming discussion, check out the *swprograms* E-mail reflector. You can easily subscribe in one of two ways: 1) Visit the URL <http://www.topica.com/lists/swprograms>; or, 2) Send a blank E-mail to swprograms-subscribe@topica.com.

Until next month,

73 DE Richard



ANARC's Early Years—Part Three

By Richard A. D'Angelo

(Editor's Note: This is the conclusion to a three part article. Part One was in the August, 1999, Issue and Part Two appeared in the October, 1999, Issue.)

In April of 1996 details of the first ANARC convention were taking shape. It was to be held at the Muehlebach Hotel in Kansas City on Friday, Saturday, and Sunday, July 29 through 31, 1966. The convention registration fee was set at \$7.50, which paid for the Sunday noon luncheon and tour transportation by buses.

In March, 1966, the NASA representative, Doug Benson, and the DXI representative, Wayne Segal, asked the club representatives to consider the subject of an ANARC country list once again. Because of the complexity of the issues involved, extra time was allowed for the representatives to vote so they could confer with their club management, if necessary. In May Don Jensen reported the mixed results on the issue. Eight votes favored ANARC adopting a country list, three opposed, three abstained, and four did not vote. A second proposition about which country list to use showed 2 votes for the ARRL list and 7 for ANARC compiling and maintaining its own list. The Newark News Radio Club indicated it would continue using its own list. Other clubs expressed similar plans. It appeared that only three or four smaller clubs would use an ANARC developed list. The feeling was that an ANARC country list would be futile given the various interests its member clubs represented. Nevertheless, based on the vote, Executive Secretary Jensen put out a call for volunteers to step forward to work on this project.

The financial report saw the association run a slight surplus of \$6.40 which included making up last year's deficit. Total receipts of \$49.00 included a \$5.00 donation as well as \$44.00 in fees. The major expenditure continued to be postage with \$25.00 spent for this item. It was proposed that the fee levels should stay the same for the coming year.

In May, 1966, John Callarman presented the long awaited code of ethics for the representatives to consider. The IRCA's Paul Kilpatrick brought up several issues designed to give BCB DX'ers greater recognition in ANARC. The first was the establishment of an ANARC Courtesy Program Committee, the second was development of booklets to teach DXing principles to the many young hobbyist getting involved in DXing, and the third sought the creation of a committee to study the particular problems of DXing and provide solutions for them. Closing out May's business, Don shared a letter from Rolf Lovstrom of Norway about a proposed European DX Council.

June, 1966, saw a formal call for the Executive Secretary position. Nominations were scheduled to be received through August 31, 1966. Executive Secretary Jensen stressed he would not serve under any circumstances, therefore it was important that the club representatives get nominations in by the end of August. The future of ANARC depended on it. Doug Benson (NASA) was appointed chairman of the new country list committee. Wayne Segal (DXI) and C.M. Stanbury (ASWLC) were also appointed to serve on this committee. Richard Wood's Frequency Recommendations Committee reported continued success working with broadcasters. The Manufacturer's Liaison committee, un-

der C.M. Stanbury reported good news about the new Drake SW-4 communications receiver. Tom Guglielmi, Chairman of the QSL Committee, was seeking volunteers to serve on that committee. In July he reported three committeemen were now serving and Trans World Radio in Bonaire sent a letter expressing the desire to cooperate with ANARC in QSL matters.

No unfavorable comments were received regarding the code of ethics drafted by John Callarman. In fact, there were words of praise

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and several clubs had already published the code. The European DX Council was making slow progress in forming. They were facing many of the initial problems ANARC faced in getting off the ground back in 1964. Don Jensen expected the ASWLC to return with a mimeographed bulletin in the near future. NASA was holding a referendum about a format change to all shortwave broadcast. In July, it was reported that the club was switching to all SWBC. The Canadian International DX Club elected new officers: Lorne Jennings, president and new ANARC representative; Earl Peters, treasurer; Ed Burrige, editor; and Ralph Grace, Jr., public relations. By August, the International Radio Club of

America solved its problems with the publisher's position with Bill Lipis in El Cajon, CA, taking over the task of mimeographing the bulletins. Joe Johnson informed Jensen that the Worldwide Monitors Radio club's recent problems had been resolved and a full explanation will be made to the membership next month.

After many months of anticipation, the first ANARC convention was held in Kansas City, MO, from July 29-31, 1966. Despite the small attendance, estimated at only 12-15 people, it was a definite success. The following ANARC clubs were present: American Shortwave Listeners Club, Canadian DX Club, North American Shortwave Association, National Radio Club, Newark News Radio Club, and the West Indies DX'ers Association. It was felt an airline strike may have contributed to the small number of DX'ers present. At the convention, Jim Howard awarded an engraved plaque to Don Jensen for "service to the hobby" during his tenure as ANARC Executive Secretary.

By early August, no nominations for the soon to be vacant Executive Secretary position had been received. Jensen encouraged the club representatives to consider the position as they were the best-qualified individuals to continue ANARC's work. In September, 1966, the club representatives were informed that Gerry Dexter and Gerry Klinck were candidates for the executive secretary position. Information about each candidate was passed along to the club representatives and ballots were to be returned by October 15, 1966. The new term was expected to commence by October 21st.

Country list committee chairman Doug Benson indicated that his group was making progress toward a basic approach to the list criteria. Richard Wood of the frequency recommendation committee reported a breakthrough in co-operation with the BBC, Norway, the Vatican, and Cairo. QSL committee chairman Tom Guglielmi reported that the International Committee of the Red Cross planned on developing a suitable QSL based on reports from the committee.

Bill Sparks, American Shortwave Listeners Club representative, was appointed to officially canvass the ballots of the Executive Secretary election. He reported the following results: "I certify that I have canvassed the 14 ballots cast for ANARC Executive Secretary. Result is Dexter 8, Klinck 6. Winner is Dexter." With the results official, Gerry Dexter was elected as the association's second Executive Secretary. As Don closed out business in October, 1966, Fred Woodley, the Canadian DX Club representative asked, "Any plans underfoot to re-open the 'DXer of the Year' bit that we all went through last year? CDXC still has the plaque available... and eager to see this project get off the ground... if some of the other clubs are interested."

Thus, slightly over 2½ years of ANARC activity closed with the end of Jensen's first elected term as Executive Secretary. Many of the recurring problems faced by the association over the past 35 years have their roots back to the beginning, simply put, it is the nature of the hobby beast that a loosely organized, voluntary federation of independent hobby clubs would experience these problems while attempting to band together for a common purpose. Perhaps the most interesting aspect of this 32 month odyssey was the question of how was ANARC going to attract more listeners into the hobby, and therefore the clubs, back in 1965. This unanswerable question almost pulled the association apart in the late 1980's.

Postscript: Fred Woodley's DXer of the Year concept did eventually get off the ground and continues to prosper. In 1967, ANARC took over bestowing the Man of the Year award, which was initially won by Don Jensen at the 1966 Kansas City Convention, with Arthur Cushen becoming its second recipient. He was followed by Bill Eddings (1968), Gordon Nelson (1969), Roy Waite (1970), Don Erickson (1971), August Balbi (1972), Bruce Elving (1973), Al Niblack (1974), and Hank Bennett (1975). In 1976, the award was renamed the North American Shortwave DXer of the Year with the following indi-

viduals scooping up the honors: Don Johnson (1976), Glenn Hauser (1977) and Ian McFarland (1978).

In 1979 the award was once again renamed, becoming the North American DXer of the Year with Bob Zilmer coping top honors followed by Larry Magne (1980). After a year of no award, it was decided to split the award into two categories. The title of North American Shortwave DXer of the Year reap- peared with Steward MacKenzie (1982) being the honoree. He was followed by Roger Legge (1983), Ralph Perry (1984), Larry Lunberg (1985), Gerry Dexter (1986 and 1987), Tom Sundstrom (1988), Mitch Sams (1989), Jerry Berg (1992), Rich D'Angelo (1993), John Bryant (1994), Don Moore (1995), Tom Bryant (1996), Mark Connelly (1997) and Dan Ferguson (1998).

The other award recognized the medium wave, longwave, and public service band DXing through the North American Specialty Band DXer of the Year Award. Its winners have been: Don Moman (1982), John Clements (1983), Mark Connelly (1984), Nick Hall-Patch (1985), Bruce Elving (1986), Ernest Cooper and Bob French (1988), Greg Monti (1989), Ken Stryker (1992), Mike Hardester (1993), and Daryll Symington (1994). In 1995, the North American Shortwave DXer of the Year and the North American Specialty Band DXer of the Year awards were combined into the DXer of the Year Award.

In 1976, the International DXer of the Year Award was created. The following have been the recipients of this prestigious honor: Harry van Gelder (1976), Clayton Howard (1977), Arne Skoog (1978), Mike Hardester (1979), Arthur Cushen (1980), John Campbell (1982), Victor Goonetilleke (1983), Juan Carlos Codina (1984), Ralph Perry (1985), Jens Frost (1986), Finn Krone (1988), Arthur Ward (1989), Arthur Cushen (1992), Gabriel Ivan Barrera (1993), and Harry Weatherly (1994). In 1999, ANARC renamed its top award after its first Executive Secretary, Don Jensen. John McColman was the first recipi-

ent of the Don Jensen Distinguished Service Award for his contributions to the listening hobby. There are no known award winners to be found in the association records for 1981, 1990, and 1991.

ANARC conventions grew from the modest turnout of a dozen or so dedicated hobbyists in Kansas City in 1966 into mass media events with attendance in the neighborhood of 300 people. The Kansas City convention was followed by Chicago (1967), Omaha (1968), Toronto (1969), Chicago (1970), Indianapolis (1971), Boston (1972), San Diego (1973), New York (1974), Montreal (1975), Los Angeles (1976), Chicago (1977), Montreal (1978), Minneapolis (1979), Los Angeles (1980), Thunder Bay (1981), Montreal (1982), Washington, D.C. (1983), Toronto (1984), Milwaukee (1985), Montreal (1986), Toronto (1987), Irvine (1988), Tampa-St. Petersburg (1989), and Virginia Beach (1990).

During the 1980's, it was not unusual for between 200 and 300 listeners to attend one of these affairs. Unfortunately, too much success may have been the prime reason for the convention's ultimate downfall. Organizers had to overcome a number of problems to stage a successful event including a set of bureaucratic convention guidelines, which were about an inch thick. Somehow the fun must have left these once special affairs causing the crowds to dwindle. For whatever reasons, after the 1990 ANARC convention, the association got out of the convention business.

Closing a chapter about ANARC's past would not be complete without recognizing the fine gentlemen that served in the difficult role of Executive Secretary, now Chairman of the Executive Board, over the years: Don Jensen (1964-1966), Gerry Dexter (1966-1968), Gray Scrimgeour (1968-1970), Wendel Craighead (1970-1972), Al Reynolds (1972-1974), Dave Browne (1974-1982), Terry Colgan (1982-1986), Don Hosmer (1986-1987), Bob Horvitz (1987-1990), Sheldon Harvey (1990-1991), Rich D' Angelo (1991-1995), and Mark Meece (1996-Present).

Today ANARC continues as an alliance of North America's finest DX clubs devoted to serving the hobby. Its goals are modest and manageable. In recent years, it has managed to avoid the unanswerable question about how to attract more people to our hobby and eventually to our member clubs. The result has been a mending of some fences and lots of great hobby activity. Don Jensen discovered the magic formula, during the low point of his tenure as the association's first Executive Secretary, with the establishment of various committees to get projects moving along. After many years, ANARC has come full cycle in the 90's with its focus on its committees. The ANARC Shortwave Listeners Net meets every Sunday at 10:00 eastern time on 7240 kHz LSB (until the summer of 1999) to share logs, news, and information about the hobby of radio monitoring. The Committee to Preserve Radio Verifications (39 Eastern Avenue, Lexington, MA 02173), chaired by Jerry Berg, preserves QSL collections of hobbyist no longer active in the hobby. The Contest Committee (2 Whits Court, Newport News, VA 23606), chaired by Harold "Dr. DX" Cones, organizes and administers the popular North American DX Championships each March. Finally, ANARC went electronic a couple of years ago with the establishment of a first-class web site under the guidance of Ralph Brandi.

This retrospective on ANARC's early years has given me a much greater appreciation for some of the concerns that plagued the hobby over the years. Despite the many projects and activities ANARC has undertaken over the years, probably the association's greatest contribution to the hobby has been opening and maintaining the lines of communications between the clubs. The association came into being as I first discovered the medium wave and shortwave DXing hobbies. In those days, I marveled at the efforts put forth by the many different individuals who gave unselfishly of their time and energy. Those teenage years are long gone, but my appreciation for all the people that created the association and served in a number of different capacities through three decades, remains the same.

Listener's Notebook

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AFGHANISTAN Afghan anti-Taliban *Takhar Radio* was heard on 7000 kHz on 25th November from 0250 to 0330. Reception ranged from good to poor, but monitorable. Takhar Radio was formerly heard on 7070 and 7085 kHz from 1230 to 1330, but has been unheard on these frequencies since April 1999. When it was traced at 0250 on 25th November, a religious program in Dari was in progress. At 0300 it played its usual signature tune and an announcer said in Uzbek: "Dear radio listeners. Peace and the blessing of God be upon you! I draw your attention to the news of Takhar Radio. In the name of God the Merciful and the Compassionate." (BBCM/World of Radio/Hauser-OK)

AUSTRALIA *Radio Australia* sked:

0000-0100	English	9660 12080 15240 17580 17750 17795 21740
0000-0100	Vietnamese	15415
0100-0200	English	9660x 12080x 15240 15415 17580x 17750x 17795x 21725x
0200-0400	English	9660x 12080x 15240 15415 15515 17580x 17750x 21725x
0400-0500	English	9660x 12080x 15240 15415 15515 17580x 17750x 21725x
0500-0600	Cambodian	15415 17750 Su-Th
0500-0600	English	9660x 12080x 15240 15515 17580x 21725x
0600-0800	English	9660x 12080x 15240x 15415 15515 17580x 17750x 21725x
0800-0830	English	5995 9710 12080 13605 15515 21725
0800-0830	Indonesian	15415 17750 Su-Th
0830-0900	English	5995 9710 12080 13605 15415 15515 17750 21725
0900-1000	English	11880 13605 17750 21820
0900-1100	Tok Pisin	5995 6020 9710 12080
1000-1100	English	11880 13605 17750 21820
1100-1200	English	5995 6020 9580 12080 13605 21820
1100-1230	Mandarin	9445 11880
1200-1400	English	5995 6020 9580 11650 21820
1230-1330	Vietnamese	9445 11880

1330-1430	English	9445 11660
1400-1430	English	5995 6180 9580 11650
1430-1500	English	5995 6180 9580 11650 11660
1430-1530	Vietnamese	9500
1500-1530	English	5995 6180 9580 11650 11660
1530-1700	English	5995 6180 9500 9580 11650 11660
1700-1800	English	5995 6180 9500 9580 9660 11880
1800-2000	English	6080 7240 9500 9580 9660 11880
2000-2100	English	6080 7240 9500 9580 9660 11880 12080
2000-2100	Tok Pisin	6080 7240
2100-2130	English	7240 9500 9580 9660 11880 12080 21740
2130-2200	English	7240 9660 11880 12080 15415 17580 21740
2130-2359	Indonesian	11695
2200-2300	English	9660 12080 15415 17580 17795 21740
2200-2300	Mandarin	15230
2300-2359	Cambodian	15230
2300-2359	English	9660 12080 15415 17580 17795 21740

x="Grandstand" sports service, 0100-0700 Saturday and 0200-0800 Sunday. (BBCM)

AZERBAIJAN 9165.4 *Voice of Azerbaijan*, Gyanca, in Azeri lang @0317 t/in, opening music just ended, W clear ID and opening anmts, remainder of program consisted of local music and W longish commentaries, one accompanied by M on telephone. All audio very distorted and tough to copy, altho S6-7 signal provided abundance of audio with no QRM. (21-Nov/Quaglieri-NY)

BELARUS *Radio Belarus International/Radio Minsk*

0200-0230	Belarusian	6070 7210
0230-0300	Belarusian	6070 7210 Mo-Sa
0230-0300	Russian	6070 7210 Su
0300-0330	Belarusian	6070 7210 Tu
0300-0330	English	6070 7210 Mo/We/Fr-Su
0300-0330	German	6070 7210 Th

0330-0400	Belarusian	6070 7210 Tu-Sa
0330-0400	German	6070 7210 Su
0330-0400	Russian	6070 7210 Mo
2000-2030	Belarusian	7105 7210
2030-2100	Belarusian	7105 7210 Mo
2030-2100	English	7105 7210 Tu/Th
2030-2100	German	7105 7210 We/Sa/Su
2030-2100	Russian	7105 7210 Fr
2100-2130	Belarusian	7105 7210 Fr/Su
2100-2130	Russian	7105 7210 Mo-Th/Sa
2130-2200	Belarusian	7105 7210 Mo
2130-2200	English	7105 7210 Tu/Th
2130-2200	German	7105 7210 We/Sa/Su
2130-2200	Russian	7105 7210 Fr

(BBCM)

Military transmitters in Belarus are going on to relay the programs of Moscow radiostation "Mayak" in DSB mode on the following frequencies: night = 2382 and 3355 khz, morning = 3564 and 4541 khz. (Egorov-UKR/Club DX/VOR/RUS-DX/Klepov-RUS)

BELGIUM *Radio Vlaanderen Internationaal* sked:

0400-0430	English	11980b
0430-0500	Dutch	11980b
0600-0700	Dutch	5985 9925
0700-0800	Dutch	5985 11690
0800-0830	English	5985
0800-0900	Dutch	9925 11690
1100-1200	Dutch	17695 21630 Su
1200-1230	Dutch	9865pk 9925 13760 17685t 21630
1230-1300	English	9925
1400-1700	Dutch	9925 13740 21820 Su (sport)
1700-1730	Dutch	9925 11780
1800-1830	Dutch	5910 9925 11780j
1830-1900	English	5910 9925 13600j 17695j
1900-2000	Dutch	5910-** 9925-** 13600j 13645m 15365-** 17695j
2000-2030	Dutch	9925 Fr (to Kosovo)
2000-2100	Dutch	5910 9925 15365 Sa (sport)
2100-2200	Dutch	5910 9925
2230-2300	English	13670b
2300-2330	Dutch	13670b

**=sports on Saturdays

b=Bonaire (Netherlands Antilles)

j=Jülich (Germany)

m=Madagascar

pk=Petropavlovsk-Kamchatskiy (Russia)

t=Tashkent (Uzbekistan)

(BBCM)

BHUTAN *BBS* has retimed their evening and weekend transmission:

0900-1000	Nepali	5030 Sa
0900-1000	Nepali	6035 Su
1000-1100	English	5030 Sa/Su
1130-1200	Nepali	5030 Mo-Fr
1200-1300	English	5030 Mo-Fr

(Das Gupta-IND)

BOLIVIA R. Juan XXIII, San Ignacio de Velasco, Santa Cruz de la Sierra departamento, which has been on 4965 for 32 years, tells me it will move around the end of November to 6055, because most receivers tune the 6 MHz band upwards. Uses slogan "La Voz Catolica de la Chiquitania." Besides pastoral work, this station broadcasts, news, notices and literacy programs (Aragao-PRU/World of Radio/Haus-er-OK)

BRAZIL 2460.03, *Radio Alvorada*, Rio Branco, Acre, 0145, Brazilian pop mx, "Super Alvorada" semi-ids, ads, full ID with frequencies 0200. Strong and clear signal. Dropped carrier unceremoniously in mid-song 0203. (11-Nov/Novello-NC)

Radio Rio Mar 9694.52 noted with sermon in Portuguese with Christian pop vocals by choir; no break at 2200 and still at it when tuned out at 2215. Very good level—but all speech was echo-echo, extremely tiresome after a while. ID assumed; rarely noted here. Nov-14. (Hill-MA)

BULGARIA *Radio Bulgaria*

0000-0100	English	7375 9400
0000-0100	Russian	7500
0000-0100	Spanish	5900 9415
0100-0200	Bulgarian	5900 9415 (for SAM)
0100-0200	Bulgarian	7375 9400 (for NAM)
0200-0300	French	7375 9400
0200-0300	Spanish	5900 7500 9415
0300-0400	English	7375 9400
0300-0400	Russian	5900 7400
0400-0500	Bulgarian	5900 7400
0500-0530	Greek	5855
0515-0600	Turkish	5900 7500 Mo-Fr
0530-0600	Albanian	5855 Mo-Fr
0530-0600	Greek	5855 Sa/Su
0600-0645	German	7400 9400
0600-0700	Serbian	5855 Mo-Fr
0600-0700	Turkish	7500 9500 Sa/Su
0700-0800	Albanian	9500 Sa/Su
0700-0800	French	12000 13600
0800-0900	Serbian	9500 Sa/Su
1100-1200	German	15700 17500
1200-1300	English	15700 17500
1300-1600	Bulgarian	7500 13600
1500-1600	Russian	5865 7465 11900
1600-1645	Serbian	7500
1600-1700	Bulgarian	5865 7465 9400 17500
1645-1730	Albanian	7500
1700-1800	Spanish	11900 13800
1700-1900	Bulgarian	5865 7465
1715-1800	German	7535 7545
1730-1815	Greek	7500
1800-1900	French	7535 7545
1815-1900	Turkish	7500
1900-2000	Bulgarian	5855 7500 7545
1900-2000	German	5845 7535
1900-2000	Russian	5865 7465
2000-2045	Albanian	5855
2000-2100	English	5845 7535

2000-2200	Bulgarian	7500 7545
2045-2130	Greek	5855
2100-2200	French	5845 7535
2130-2215	Serbian	5855
2200-2300	English	7535 7545
2215-2315	Spanish	5900 7500

(BBCM)

CHAD Radiodiffusion Nationale Tchadienne-N'djamena 6165, noted with good and clear reception at 2215 with nx in French and a song in French after the nx, 2229 announcement and went off at 2230 after ID as "Ici N'djamena" and anthem and just at that moment Voice of Vietnam audible, also 6165, with Vietnamese songs until 2245 then went off at 2300 after ID, also on weaker 5034. (17-Nov/Vaghjee-MAU/EDXP/Padula-AUS)

CHILE 6089.95 Radio Esperanza, Temuco, fair and in the clear at tune-in @0928 with local music, M anc 0930 w/ID, morning announcements (Spanish) to 0044, then more music; steadily weakening until WYFR carrier hit 6085 @0952. (21-Nov/Quaglieni-NY)

CHINA Guangxi Foreign Broadcasting Station noted 1050 Nov-16 on 9820 exactly in Vietnamese for Vietnam, just prior to Singapore sign-on. I think the pattern with this station is that it drifts as much as several 100 Hz off channel during the week, then somebody comes along and retunes the transmitter on Mondays. (Davies/EDXP/Padula-AUS)

CLANDESTINE—AFRICA What began as this logging: 9517.44 UNID station in Arabic from *0400-past 0500 with mideast music interspersed with several low-key commentaries by M and W, possible mentions of Iran. Complete ID, frequencies and sked @0459, chewed up by RFE/9520. (8-Nov/Quaglieni-NY) has turned out to be *Voice of Sudan* (National Democratic Alliance, broadcasting from Eritrea to Sudan). First speculation to that effect came from Tony Jones, then it was verified in recordings made by Mahendra Vaghjee of Mauritius. Station is //8000 and 9000 kHz. Hans Johnson translated the Arabic soundfiles to discern this schedule:

0400-0600	8000 9520[9517.44]	10000 and 12000
	[actual 9000]	
1200-1400	8000 9520[9517.44]	10000 and 12000
	[actual 9000]	
1600-1800	8000 9520[9517.44]	10000 and 12000
	[actual 9000]	

(Jones/Vaghjee/Johnson)

Radio Kudirat, the pro-democracy station which had broadcast to Nigeria from shortwave transmitters in South Africa since 1996, appears to have closed. It has not been heard since the end of October. (BBCM/Clandestine Radio Watch/Schoech-GER)

COSTA RICA Transmitters formerly owned by AWR at Cahuita have apparently been sold to Dr Gene Scott and are now being used as part of his 'University Network' religious broadcasts. I've heard them here in Canberra in the 0800-0900 period on frequencies such as 6150, 9725 and 13750. Dr Gene Scott's web site says they are on the air 24 hours a day, 7 days a week, on frequencies 5030, 6150, 7375, 9725, 11870, 13750 and 15460. (11-Nov/Franco-AUS/EDXP/Padula-AUS)

AWR's final broadcast as **TI4AWR** was on 2 November 2 at 1000-1300. (AWR/Peterson/World of Radio/Hausser-OK) Some years ago, AWR procured several of the facilities of the old R Impacto, and they in turn procured the station at an earlier date from a CTR (!) entity. In tracing the "genealogy" of the station way back, we discover that it is a direct descendant of the original TI4NRH, one of the first five SW stations in the world. (AWR/Peterson/Bergmann-GER/BCDX/Bueschel-GER)

ECUADOR HCJB World Radio B99

0000-0100	Spanish	6050 15140
0000-0300	Quichua	3220 6080
0000-0400	English	9745 12015 21455
0030-0100	French	9635
0100-0500	Spanish	6050 15140
0330-0430	Russian	9775
0400-0700	English	9745 12015 21455
0430-0500	Japanese	11940
0500-0515	Kikongo	15140 Mo-Fr
0530-0600	Czech	9765 Tu/We/Th/Sa/Su
0530-0600	Slovak	9765 Mo/Fr
0600-0630	German	9765
0630-0700	French	9765
0700-0730	Spanish	9765
0700-0900	English	9780 11755 21455
0800-0930	Port.	9745
0830-1000	Quichua	3220 6080 9765
0900-1100	English	11755 21455
0900-1100	Spanish	11960
0930-1000	German	9745
1000-1400	Quichua	3220 6080
1030-1100	Huarani	6050
1100-1300	Spanish	6050 11960 15140
1100-1630	English	12005 15115 21455
1130-1200	Japanese	9730
1300-1500	Spanish	6050 15140 17670
1500-1630	Spanish	6050 15140
1500-1800	Port.	15295
1630-1700	Spanish	6050 15140 21455
1700-1715	Bashkir	11760r Su
1700-1715	Tajik	11760r Tu/Th
1700-1715	Tatar	11760r Fr/Sa
1700-1715	Uzbek	11760r Mo/We
1700-1900	Spanish	6050 15140 21455
1715-1730	Georgian	11760r Su
1715-1815	Russian	11760r Mo-Sa
1730-1815	Russian	11760r Su
1815-1830	Ukrainian	11760r

1900-1930	French	15550 17795
1900-2100	Spanish	6050 15140
1900-2200	English	17660 21455
1930-2000	Czech	15550 17795 Tu/We/Th/ Sa/Su
1930-2000	Slovak	15550 17795 Mo/Fr
2000-2030	French	15550 17795
2030-2100	Japanese	15550 17795
2100-2130	German	11720 15550
2100-2130	Quichua	3220 6080
2100-2130	Spanish	6050 15140
2100-2200	Arabic	9880r
2130-0000	Quichua	3220 6080 9745
2130-2230	Spanish	6050 11720 15140 15550
2200-2300	Japanese	11680 21455
2230-2300	Spanish	6050 15140
2300-0000	Spanish	6050 21455
2300-0230	Port.	11920
2300-2400	German	11980

r-via Rampisham, England (HCJB)

FINLAND YLE Radio Finland External Service

0000-0015	Finnish	9570
0230-0250	Finnish	9655 11665
0250-0300	Swedish	9655 11665
0300-0330	English	9655 11665 (to 0320 Monday)
0400-0500	Finnish	5965
0500-0515	Finnish	6120 9745 9865 11755
0515-0530	Swedish	6120 9745 9865 11755
0530-0615	Finnish	6120 9745 9865 11755
0615-0630	Finnish	6120 9865 11755
0615-0630	Russian	9745
0630-0645	German	6055
0630-0700	Finnish	6120 11755
0645-0700	French	6055
0700-0730	Finnish	6120 9560 9840 11755 21670
0730-0800	Swedish	9560
0730-0800	English	9840 21670 (to 0750 Sa)
0730-0800	Finnish	6120 11755
0750-0800	Latin	9840 21670 Sa
0800-0900	Finnish	6120 6180 11755 17615 21670
0900-0930	Finnish	6120 11755 17615 21670
0930-1000	Russian	17615 21670
0930-1100	Finnish	6120 11755
1000-1030	German	9560
1030-1045	French	9560
1100-1200	Swedish	13755
1100-1200	Finnish	6120 11755 21595
1110-1125	Swedish	11755 21595
1200-1300	Finnish	6120 11755 21670
1220-1230	Swedish	21670
1300-1400	Finnish	6120 11755 15400 17660
1400-1500	Finnish	6120 6180(to 1430) 11755 15400 17660
1430-1500	Russian	6180
1500-1530	Swedish	15400
1500-1600	Finnish	6120 11755 15400(fm 1530)

1500-2000	Swedish	9810
1600-1630	Finnish	6120 11755
1600-1630	Swedish	15545 21670
1630-1700	Finnish	6120 11755 15545 21670
1700-1730	Russian	6135
1700-2000	Finnish	6120 11755
1950-2000	Latin	6120 11755 Sa
2000-2030	English	6135
2000-2100	Finnish	6120 11755
2020-2030	Latin	6135 Su
2030-2100	German	6135
2100-2130	Russian	6190
2100-2130	Finnish	6120
2130-2230	Finnish	6135 9825 11660 (BECM)

GHANA Latest sked for **GBC**: Radio 1: 4915 0525-0915, 1200-0000 (0525-0000 weekends and holidays); Radio 2: 3366 0520-0915, 6130 1155-1700. (30-Oct/Vaghjee-MAU/EDXP/Padula-AUS)

HUNGARY Radio Budapest

0000-0100	Hungarian	11990 15550 Mo
0100-0200	Hungarian	9835
0200-0230	English	9835
0230-0330	Hungarian	9835
0330-0400	English	9835
0400-0430	Russian	3975 6025
0430-0500	Ukrainian	3975 6025
0500-0530	Romanian	3975 6025
0530-0600	Croatian	3975 6025
0600-0630	Slovak	6025
0630-0700	Serbian	6025
0700-0730	Croatian	6025
0730-0800	Serbian	6025
0800-0830	Slovak	6025
0830-0900	Romanian	6025
0900-1300	Hungarian	6025
1100-1200	Hungarian	6025 17830 21560 Mo-Sa
1200-1300	Hungarian	17810 21560 Su
1300-1400	German	6025 7295 Su
1300-1400	Hungarian	6025 Mo-Sa
1400-1500	German	6025 Fr
1400-1500	Hungarian	6025 Mo-Sa
1500-1530	German	6025 Su
1500-1530	Hungarian	6025 Mo-Sa
1530-1600	Russian	6025 9840
1600-1630	Croatian	6025
1630-1700	Romanian	6025
1700-1730	Ukrainian	3975 6025
1730-1800	Slovak	6025
1800-1830	Serbian	6025 Mo-Sa
1800-1900	German	3975 6025 Su
1830-1900	German	3975 6025 Mo-Sa
1900-2000	Hungarian	3975 6025
2000-2030	English	6025 7165
2030-2100	Serbian	6025 Su
2030-2100	German	3975 6025 Mo-Sa
2100-2200	Hungarian	3975 6025 9840

2200-2230 English 6025
 2230-2300 English 3975
 2300-0000 Hungarian 11990 15550 Su-Fr
 (BBCM)

INDIA AIR changes effective Oct-31:

5985 Ranchi 0700-0900 Regional ex 6140
 7230 Panaji 1615-1730 Persian ex 7265
 12045 Panaji 1615-1730 Hindi ex 12040
 13750 Bangalore 1745-1945 GOS4 ex 13780
 15780 Aligarh 0400-0430 Persian ME, 0430-0530
 Arabic 0845-0945, Indonesian ex 15050
 15780 Delhi 1145-1245 Mandarin ex 15050
 17845 Delhi 0845-0945 Indonesian 1000-1100,
 GOS3 ex 17387
 17620 Panaji 1115-1215 Tamil SEA, 1215-1245
 Telugu ex 17595
 17710 Aligarh 0315-0415 Hindi ex 17387 Af
 0415-0430 Gujarati ex 17387 0430-0530
 Hindi ex 17387
 17895 Bangalore 1000-1100 GOS3 ex 11735
 (das Gupta-IND/EDXP/Padula-AUS)

All India Radio, freq schedule 31st Oct 1999 to
 26th Mar 2000.

0000-0045 Tamil 4790 9835 9910 11740
 13795
 0015-0430 Urdu 6155 9595
 0100-0130 Burmese 9950 13630
 0100-0200 Sindhi 5990 7125 11790
 0100-0430 Urdu 11620
 0130-0200 Tibetan 9565 13700
 0130-0227 Nepali 3945 6045 9810 11715
 0215-0300 Pushtu 9910 11735 11895 13620
 0300-0345 Dari 11895 11735 9910
 0315-0415 Hindi 15075 15180 17710
 0400-0430 Persian 13620 15780
 0415-0430 Gujarati 15075 17710
 0430-0530 Arabic 13620 15780
 0430-0530 Hindi 15075 17710
 0700-0800 Nepali 11850 9595 7250
 0830-1130 Urdu 9595 11620
 0845-0945 Indonesian 15780 17485
 1000-1100 G.O.S 11585 13700 15020 17485
 17840 17895
 1100-1115 Tamil 15075 17860
 1115-1200 Thai 15340 17895
 1115-1215 Tamil 13700 15770 17620
 1145-1315 Chinese 15780 17705
 1215-1245 Telugu 13700 15770 17620
 1215-1315 Burmese 11710 11620 15475
 1215-1330 Tibetan 9565 11695
 1230-1500 Sindhi 6165 9620 11585
 1315-1415 Dari 7140 9910
 1330-1500 G.O.S 9545 11620 13710
 1300-1500 Sinhala 9700 15020
 1330-1430 Nepali 11695 4860 6045 3945
 1415-1530 Pushtu 7140 9910
 1430-1930 Urdu 4860 6045
 1500-1600 Baluchi 6165 9620 11585
 1515-1600 Gujarati 11620 15175

1515-1615 Swahili 9950
 1615-1715 Russian 15140
 1615-1730 Persian 7230 9910 11585
 1615-1730 Hindi 7410 9950 12045 13720
 13770
 1730-1945 Arabic 9910
 1745-1945 G.O.S 15200 15075 13750 11935
 11620 9950 7410
 1945-2030 French 9910 13750
 1945-2045 Hindi 7410 9950 11620
 2045-2230 G.O.S 7150 7410 9650 9910 9950
 11620 11715
 2245-0045 G.O.S 7410 9705 9950 11620
 13625
 2300-2400 Hindi 9910 11740 13795
 (AIR website/Brazhnikov-RUS/BCDX/Bueschel-GER)

After the first cyclone in the middle of October,
AIR Jeypore is off of shortwave and not yet back
 again on 5040 & 6040 kHz. **AIR Lucknow** in B99 is
 now on 4880 khz throughout the evening ie 1130-
 1740 hrs (Not changing at 1430 hrs to 90mb). (Das
 Gupta-IND)

INDONESIA 15149.82 *Voice of Indonesia*, foreign
 service in English noted at very listenable levels
 @*2000-2100*. (19-Nov/Quaglieri-NY)

JAPAN Radio Japan—General Service

0000-0015 English 11815 13650
 0000-0100 English-GS 6050uk 6155uk 9665a
 11705c
 0100-0200 English 17685
 0100-0200 English-GS 9660 11860k 11870 15325
 15590 17835 21670
 0130-0200 Bengali 11890s
 0200-0230 Hindi 11890s
 0200-0300 Japanese-GS 5960c 11840 11860-i
 11870 15325 17685 17835
 17845 17875 0230-
 0300Persian9515g
 0230-0300 Portuguese 15590f
 0230-0300 Urdu 11890s
 0300-0400 English-GS 17825 21610
 0300-0400 Japanese-GS 5960c 9515g 9660f 11840
 11870 11890s 13630 15325
 15590
 0330-0400 Russian 15570
 0330-0400 Swahili 6135a
 0400-0430 Arabic 9515g
 0400-0430 Korean 15570
 0400-0430 Spanish 9660f
 0400-0500 Japanese-GS 11840 15590
 0430-0500 Mandarin 15570
 0430-0500 Russian 12030g
 0500-0530 French 17820s
 0500-0530 Korean 15570
 0500-0530 Spanish 11895f 12030g
 0500-0600 English 15230
 0500-0600 English-GS 6110c 7230uk 9835 11715
 11760 11840 11850 15590

0530-0545	Italian	12030g	1600-1700	Japanese-GS	6035 7140 7200 9535 9750
0530-0600	Mandarin	15570			9835 11730 12000 12045s
0545-0600	Swedish	12030g			15355g
0600-0630	German	12030g	1700-1800	English-GS	9825 12000 15355g
0600-0630	Russian	11760	1700-1800	Japanese-GS	6035 7140 7200 9835
0600-0700	English-GS	7230uk 9835 11740sng			11880s 17685 17835 17875
		11840 11850			21630a
0630-0700	Bengali	11890s 15590	1800-1830	French	7255 11785 12000(to 1820)
0630-0700	French	12030g			
0630-0700	Mandarin	17860 17870	1800-1900	Japanese-GS	6035 7200 11880s
0700-0730	Arabic	15220a	1820-1840	Spanish	12000
0700-0730	Hindi	11890s 15590	1840-1900	Russian	12000
0700-0800	Japanese-GS	6145 9685 11740k 11840	1900-1920	Russian	11715
		11850 11920k 17860	1900-2000	Japanese-GS	7225 9790 17810
0730-0800	Urdu	11890s 15590	2000-2100	Japanese-GS	6165 7225 17810
0800-0830	Russian	6165	2100-2200	English	17825
0800-0900	Japanese-GS	9530f 9685 9750 9835	2100-2200	English-GS	9725 11850
		11710uk 11740k 11850	2100-2200	Japanese-GS	7225 9790 17810 21610
		11920k 12030	2200-2300	Japanese-GS	6050uk 6115uk 9725 9790
0830-0900	Persian	17820s			17180 17825
0900-1000	Japanese-GS	9530f 9685 9750 9835	2210-2230	Korean	9560
		11710uk 11740k 11815	2230-2300	Mandarin	9560-(to 2250) 13650-(from 2240)
		11850 11920k			
0930-1000	Indonesian	9695	2240-2300	Malay	11815
1000-1030	Spanish	9685 12030	2300-2320	Indonesian	11815
1000-1100	English-GS	9695 11850 15590	2300-2320	Thai	13650
1000-1300	Japanese-GS	9750 11815	2300-2359	Japanese-GS	9790 17810
1030-1045	Italian	21700g	2320-2340	Burmese	13650
1030-1100	Burmese	11740k	2320-2340	Vietnamese	11815
1030-1100	Portuguese	15590f	2340-2359	Indonesian	13650
1045-1100	Swedish	21700g	2340-2359	Mandarin	11815 13630
1100-1130	German	9660uk 11710uk			
1100-1130	Korean	6090			
1100-1130	Vietnamese	13660			
1100-1200	English-GS	6120c 9695 15590			
1130-1200	Indonesian	13660			
1130-1200	Mandarin	6190			
1130-1200	Russian	11710uk			
1130-1200	Thai	11740k			
1200-1230	Korean	6190			
1200-1230	Malay	9695 13660			
1200-1230	Swahili	17790a			
1200-1230	Vietnamese	11740k 12030 15230g			
		15590 17650			
1230-1300	Burmese	9695			
1230-1300	French	15400a 17790a			
1230-1300	Mandarin	6190 11740k			
1300-1330	Indonesian	7200 9695			
1300-1330	Russian	6190			
1300-1500	Japanese-GS	9750 11705c 11815			
		17695uk			
1330-1400	Thai	7200			
1400-1430	Korean	6190			
1400-1430	Malay	7200			
1400-1500	English-GS	9505 11730 11880s			
1430-1500	Mandarin	6190			
1500-1520	French	11785			
1500-1600	English-GS	7200 9505 9750 11730			
1500-1600	Japanese-GS	9535 12045s 15310f			
		17885a 15230g 15590			
		17650a 17860			

a=Ascension Island (BBCM)

c=Sackville, Canada

f=Montsinery, French Guiana

g=Moyabi, Gabon

k=Kranji, Singapore

s=Ekala, Sri Lanka

uk=Skelton and Woofferton, United Kingdom

LAOS *Lao National Radio*, Vientiane 6130 appears to be reactivated yet again, noted around 1305 on Nov-01 English Lessons with Lao explanations, // 576 MW. (1-Nov/Davies/EDXP/Padula-AUS) *Lao National Radio*—Vientiane, 6130 was off the air last month for a short period probably for Technical problem is back on the air with good reception again at 1315 with English songs 1330 announcement by man and woman in Lao, followed immediately with French songs 1340 requesting the French audience to write to the "Palais des Musique" R. Nationale Lao Boite Postale 70, Vientiane, then the same in Lao and more music mainly French, went off at 14.00. (7-Nov/Vaghjee-MAU/EDXP/Padula-AUS)

Check of HF channels audible here (as of Nov-10): Houa Phan currently on 4659v, evening sign off after relay of news from Vientiane at 1230; Vientiane 6130, now active with the usual strong signal but still using limited hours, typically around 1115v-1400v in the evenings, also good here in local

mornings around midnight UTC; Luang Prabang 6971v (actually moved down closer to 6970 recently), a fair signal until 1400 sign-off. (10-Nov/Davies/EDXP/Padula-AUS)

Latest in the saga of Vientiane 6130—it now seems to be inactive again, not heard on Nov-14/15/16. (Davies/EDXP/Padula-AUS)

6130, **LNR**: Probably not on the air every day as it has not been heard on 23, 24 Nov but back again to-day with good reception. End of EG/Lao program at 13.15; the Fr/Lao until 13.30 then followed with music program until 14.00 after a short announcement in Lao by man and woman. (25-Nov/Vaghjee-MAU /World of Radio/Hauser-OK)

LIBERIA 5100 *Radio Liberia* reactivated on Oct 31 into Nov 1, 2103 [sic, means 2301?] -2403*. English nx about LBR, local relig mx, vernac tlk. IDs as Liberian Communications Network, and R. Liberia. Variety of EUR-pops, AF-pops. English nx at 2301. S-off with NA. Poor to fair but muffled audio. Not heard on Nov 5 check. (10-Nov/Alexander-PA/Hauser-OK/BCDX/Bueschel-GER)

MYANMAR Possible **R. Myanmar** noted nightly late November on 7185 opening with a carrier around 0010, a 500Hz tone around 0017-0028, then silence, then orchestral/flute music with W announcer, on and on thru the ham QRM. This is a toughie but is also noted by DXers up and down EC-NA. First person to dig out a real ID gets a lollipop. (Quaglieri-NY)

NETHERLANDS *Radio Netherlands*

0000-0125	English	6165b 9845b
0000-0125	Spanish	9895f 15315b
0130-0225	Dutch	6020f 15315b
0130-0325	Spanish	6165b 9845b
0330-0425	Dutch	6165b 9590b 9860m 15560m
0430-0525	English	6165b 9590b
0600-0700	Dutch	5955f 6020f 7130f 9895f
0700-0800	Dutch	5955f 9715b 9895f 11655b 11835f
0800-0900	Dutch	5955f 9895f 11935f
0900-1800	Dutch	5955f 9895f 13700f (1100-1300)
0930-1015	Dutch	6020b Mo-Sa
0930-1125	English	7260i 9820b
1030-1125	Dutch	9720b 13820k 17575m 21480m
1130-1155	Spanish	6020b 9715b 15255b
1130-1325	English	6045w 9855j
1130-1325	Indonesian	11690s 17580m 21480m
1200-1225	Spanish	6020b 9715b
1330-1425	Dutch	5930k 7375p 13820t 17580m 21480m
1430-1625	English	12070t 12090m
1630-1725	Dutch	6020m 11655m

1730-2025	English	6020m 11655f
1830-1925	Dutch	11695f 15315f
1830-2025	English	9895b 13700f 17605b
2030-2125	Dutch	5835mo 6015f 6020m 9895f 11655m 15315b 17605b 21590b
2130-2225	Dutch	6020b 9895f 11730f 13700b 15315b
2130-2325	Indonesian	6120s(from 2230) 7285m 9590m
2230-2359	Spanish	9895f 11730b (to2325) 15315b
2330-0025	Dutch	7280s 9590m 15560m 17580k

b=Bonaire m=Madagascar
f=Flevo, Netherlands
g=Wolvertem, Belgium
i=Irkutsk, Russia
j=Jülich, Germany
k=Khabarovsk, Russia
mo=Moscow, Russia
p=Petropavlovsk-Kamchatskiy, Russia
s=Singapore
t=Tashkent
w=Wertachtal, Germany

(BBCM)

NEW ZEALAND *Radio New Zealand International*

0000-1005	English	17675
1100-1500	English	6105 (occ. sports)
1500-1650	English	6145 (occ. sports)
1650-1750	English	11675 Mo-Fr
1750-1850	English	17675 Mo-Th
1758-1850	English	17675 Fr
1850-2359	English	17675

(BBCM)

PAKISTAN *Radio Pakistan* B99:

Tamil	0045-0115	9740 11930 15455K
Urdu WS	0100-0215	15485 17895
Bangla	0115-0200	9740 11930 15455K
Assami	0200-0230	9740 11930 15455K
Hindi	0230-0300	9740 11930 15455K
Gujrati	0330-0400	15325 17835 (API-1 100 kW)
Urdu	0500-0700	15175 (API-5 250 kW), 17835 (API-1 100 kW), 21460 (API-6 250 kW)
Urdu/Eng	0800-1104	17835 (API-6 250 kW)
	0800-1104	Urdu WS, 21455 (API-5 250 kW)
Indonesian	0900-0930	15430 17510K
Tamil	1030-1100	11995 15625 17660
Hindi	1100-1200	11995 15625 17660
Bangla	1200-1230	11995 15625 17660
Chinese	1200-1230	11895 15465
Persian	1300-1345	11935 15625 Urdu1330-1530 11570 15100 17510K
Turki	1430-1500	6075 7260

English 1600-1615 11570 15100 17510K 15335
17720
Turkish 1700-1730 9430 11640
Urdu 1700-1900 11570 15335
Arabic 1800-1845 11640 15735
Urdu 1800-1900 9430 Islamabad program
French 1930-2000 11570 5335
K= Karachi 50 kW, others Islamabad 100/250 kW.

Home services

Balti 0330-0430 7200
Sheena 0445-0545 7200
Urdu 0600-1000 Rawalpindi program, 1000-
1115 Islamabad program 7110 0600-0604
& 1000-1005 Urdu nx, 0703-0707
Punjabi nx, 0803-0807 Sindhi nx, 0903-
0907 Pushto nx, 1100-1104 English nx
Pushto 1300-1600 7115
Balti 1350-1400 6060 nx
Sheena 1420-1428 5045 nx
Aaina 1615-1700 7310 (Islamabad program)
(Green-UK/BCDX/EDXP/Padula-AUS)

PERU 2620.54h, R. Chota, Chota, Cajamarca, 0020,
Lots of talk as if doing a remote broadcast; program
of comunicados started around 0055, playing bits of
Andean guitar mx; ID in passing 0059. 2x nominal
1310, stronger than // 4890.14 on peaks. (11-Nov/
Novello-NC)

Radio San Antonio, Atalaya, Departamento de
Ucayali, using 4940: the station was first discovered
on Nov-01 1999, by Rogildo Fontenelle Aragao, a
well known Brazilian DXer and a member of DX
Clube Paulista. According to the latest frequency list
of the Ministry of Transportes y Comunicaciones,
Radio San Antonio is licensed with the callsign
OAW8A on 4940 with 1 kW. The station is owned
and operated by a religious association named "Asociacion
Promotora San Francisco Solano." Registered
address is: Jiron Iquitos s/n, Distrito de Raymondi,
Provincia de Atalaya, Departamento de Ucayali, Pe-
ru. (7-Nov/TIN-JPN/EDXP/Padula-AUS)

6797.64 **Radio Ondas del Rio Mayo**, Nueva Ca-
jamarca; 1103-1105 fair, px "Variedades Musicales"
with cumbia peruana. (13-Nov/TIN-JPN/Relampago
DX)

7003.42 **Radio La Voz de las Huarinjas**, Huan-
cabamba; 1200-1210 poor, folklore andino. (13-
Nov/TIN-JPN/Relampago DX)

PHILIPPINES FEBC in presumed Hmong noted at
1115 on the BBC's favourite 12095, long prayer by M
speaker, now using this freq at 1030-1300 in vari-
ous 'exotic' SE Asian langs (x11610). (16-Nov/
Davies-MLA/BCDX/Bueschel-GER)

Radio Veritas Asia

0000-0025	Karen	9535
0000-0025	Sinhala	11805
0030-0055	Tamil	11805
0030-0055	Kachin	9535
0100-0125	Telugu	15530
0100-0125	Bengali	15335
0130-0155	Hindi	15335
0130-0225	Vietnamese	15530
0200-0225	Urdu	15335
0230-0325	Russian	11805
1000-1025	Hmong	9555
1000-1155	Mandarin	9520
1030-1125	Vietnamese	11850
1130-1155	Burmese	9670
1200-1225	Indonesian	9505
1200-1225	Karen	9670
1230-1255	Kachin	9670
1300-1325	Vietnamese	7265
1330-1355	Hindi	9675
1330-1355	Sinhala	9520
1400-1425	Bengali	9670
1400-1425	Tamil	9595
1430-1455	Telugu	9595
1430-1525	Russian	9660
1500-1525	Filipino	9610
1525-1555	Filipino	9610 Su/We/Fr
1530-1555	Zomi-chin	9525 Mo/Tu/Th/Sa
1530-1555	Urdu	9670
2100-2255	Mandarin	6190
2230-2255	Filipino	6075
2300-2325	Indonesian	9505 11820
2330-2355	Burmese	9535
2330-2355	Vietnamese	9670

(BBCM + DasGupta-IND)

9520 **Radio Veritas Asia**, best ever heard
@1000 w/IS, English ID, then into Mandarin pro-
gram. (20-Nov/Quaglieri-NY)

15190 **Radio Pilipinas** noted at 1917 with pop
music program and many canned ID's in both Taga-
log and English. Surprisingly good until 1930*. (21-
Nov/Quaglieri-NY)

QATAR QBS B99 revised assignments:

7210	0245-0700
7270	0245-0700
9535	1300-1700
9570	0245-2130
11655	1700-2130
11680	1700-2130
11750	1300-1700
11820	0700-1300
15285	0700-1300

(Padula-AUS/EDXP)

RUSSIA Voice of Russia—Russian World Service—
Winter Period 1999-2000

0200-0400	17595 17660 15450 15525 15595
	13800 12010 9890 7125 7350
1300-1500	15480 7155 7170
1600-1700	15515 9470 7445 6005
1800-1900	5920 7205
2000-2100	9905 7205 7310 7380
2100-2200	11980

Special program for Balkan region: 1920-1940 =
6205 7320 (Mikhaylov-RUS/RUS-DX/Klepov-RUS)

Radio Chechnya Svobodnaya: here is a new
changed schedule of Radio Chechnya Svobodnaya
(Radio Free Chechnya) transmissions:

0300-0600	5935 7335 9450k
0600-0630	7335 9450k
0630-0700	7335 9450k 11635
0700-0730	11635
0730-1400	11635 15355k 15605
1400-1430	11635 15355k
1430-1500	7340 15355k
1500-1530	5905k 7340 7355
1530-1800	5905k 7340 7355
1800-1830	5905k 7340
1830-2100	5905k 7305 7340

Don't be surprised if you will not hear a **Radio Gardarika** signal exactly at 2015 in the coming time. We are planned to change their transmission time according to the following schedule: 2030-2200 tentatively on Dec-03 to Dec-05, and Dec-10 to Dec-12 All on old 5925 (ND) and 7330 (222 de-grees). (Timofeyev/EDXP/Padula-AUS)

Radio Tatarstan Kazan. 0500-0600 15105,
0700-0800 15105, 0900-1000 11915. (14-Nov/DX-
Mix/R. Bulgaria/RUS-DX/BCDX/Bueschel-GER)

SINGAPORE Here is the NEW composite HF sked
for **Radio Corporation of Singapore**, External and
Domestic Networks, for B99, where several new (*)
channels are now listed:

6000	RSI 1100-1400 Mandarin DS 1400-1600
	2200 0000
6150	RSI 1100-1400 English DS 1400-1600 2300
	1100
7170	DS 2300-1600 Tamil
7235*	RSI 0900-1200 Malay DS2300-0900 1200
	1600
9590*	RSI 1100-1400 English
9665*	RSI 0900-1200 Malay 1200-1400
	Indonesian
9820*	RSI 1100-1400 Mandarin

(RCS Website/Davies/EDXP/Padula-AUS)

SOMALIA Here are some info regarding Somalia:
7074 Hargeisa Not heard for quiet some time now
6900 Holy Koran Not Heard since ISRAEL D.F.R. is
on 6898

6859v **R. Mogadishu** is on 6853 for the time being
7088 **R. Mogadishu** reported at 1600-1700 (Voice
of the People). I had thought this station
was a second transmission of R. Mogadishu
(V.O.P) due to its Signature tune (Military
Band Tune) sounding the same as Voice of
the people but it fact it was **R. Gaalkacyo**,
and like all Somali Stations it has also
changed freq many times—it was on 7060,
then 7088 and now 7012

6690v **R. Mogadishu** 1500-1900 (Voice of the
People). Has 6690 replaced 11204 kHz?

Voice of the People was off the air for nearly 4
months and was reactivated on 2 Oct on 6750 and
was there for less than 15 days and it has not been
heard again until now and here are the frequencies
used by this station in the past: from 11204 to
6822-6754-6540- 6584. (Vaghjee-MAU/World of
Radio/Hauser-OK)

Radio Gaalkacyo, broadcasting from the Punt-
land region of Somalia, was heard on 4th November
on 7012 kHz from 1600-1700. The radio signed on
with the following identification in Somali "This is
Radio Gaalkacyo, Puntland regional state govern-
ment radio station (Somali: Halkani waa rediyo
Gaalkacyo, Idaacadda Dowlad Goboleedka Puntland),
broadcasting in the 31 and 41 metre bands." (BBCM/
World of Radio/Hauser-OK)

SUDAN/ERITREA 6920//8000 non-stop songs
also from 0300 on air, but **Voice of Sudan** on 8000
s-on at 0400. (29-Oct/Pankov-BUL/BCDX/Bueschel-
GER)

THAILAND Radio Thailand, B99

0000-0030	English	9680
0030-0100	English	13695
0100-0200	Thai	7145
0300-0330	English	15460
0330-0430	Thai	15460
0530-0560	English	15115
1000-1100	Thai	7285
1115-1130	Vietnam	11855
1130-1145	Lao	6040
1145-1200	Burmese	6040
1200-1215	Malay	11805
1215-1230	Indonesn	11805
1230-1300	English	9810
1300-1315	Japanese	7145
1315-1330	Mandarin	7145
1330-1400	Thai	7145
1400-1430	English	7145
1800-1900	Thai	9530
1900-2000	English	11855
2000-2015	German	9535
2015-2030	French	9535
2030-2045	English	9535
2045-2115	Thai	9535

Above transmissions via Udorn—in parallel with 11905 and 9655 from Bangkok. (Lohuis/Bueschel/Nieuwenhuis/EDXP/Padula-AUS)

UKRAINE For B99, my wild speculations about the transmitter usage of *Radio Ukraine* from Oct-31 turned out to be completely wrong. A check at 1340 confirmed as operational 6020, 9610 and also 9870, by means of some modulation characteristics probably indeed from Kopani but if so not by far running full power. Very likely off air was 7420, 11720, 11825, 13590 and 15520. The next check after 1700 confirmed just 6020 and 9870 as operational, and at 2200 I found only single 6020 anymore, strong but suffering heavy co-channel interference. Especially 4820 and 5905 are quite definitely off air as these channels are empty here. So the current situation of Ukrainian shortwave broadcasting needs further monitoring, but anyway it looks rather distressing. (31-Oct/Ludwig-GER/EDXP/Padula-AUS)

Radio Ukraine International, B99, revised schedule:

6020	2200-0600
6020	0700-2100
6080	1600-0700
9560	1500-0200
9600	0300-1000
9610	0100-0000
9810	2000-0600
9870	1100-1900
15520	0800-1500

In English:

0100-0200	9560 9610 9810
0400-0500	6020 9600 9810
1200-1300	9870 15520
2200-2300	6020 9810

(Egorov-UKR/RUS-DX/Klepov-RUS)

UNITED KINGDOM Previous advance info from *Wales Radio International* about its B-99 schedule turned out to be totally wrong. NAM was supposed to stay at 0200 UT Sat, on 9755—but when I checked Nov 6, RCI was still on that frequency and WRI not on previous 9795 either. Finally checked WRI website Nov 10 for Celtic Notes and found:

0300	9735 Sa
1130	17650 Sa
2130	6010 Fr

So two of the times are one UT hour later, the other one UT hour earlier, apparently for belated convenience of those Aussies and Enzedders already on DST for a month (World of Radio/Hauser-OK)

UNITED STATES KNLS, B99:

0800-0900	English	9615
0900-1000	Russian	9615
1000-1100	Mandarin	7365
1100-1200	Russian	7365

1200-1300	Mandarin	7365
1300-1400	English	7365
1400-1500	Mandarin	7355
1500-1600	Mandarin	7355
1600-1700	Mandarin	7355
1700-1800	Russian	7355

(Davies/EDXP/Padula-AUS)

In order to avoid interference from Radio Norway on 7465 kHz, *WRMI's* North American service has moved from 7460 to 7385 kHz daily from 0200-0930 UTC (0300-0800 on UTC Sunday and Monday). Most programming on this new frequency is in English, except for the Radio Prague relays in Spanish and Czech daily from 0300-0400 UTC. (24-Nov/White, WRMI)

Que Huong Radio, 9930, Nov-08 1530-1630, new radio station broadcasting in Vietnamese, Monday to Saturday 1530-1630. News, music, forum promoting freedom and human rights. Address: Que Huong Radio, 2670 S. White Road, Suite 165, San Jose, CA 95148, USA. E-mail: qhradio@aol.com. Web: <http://www.quehuongmedia.com>. Reception reports welcome. (Ludo Maes) (Presumed via KWHR) (Padula-AUS/EDXP)

VATICAN Vatican Radio relay assignments for B99 are:

5940	Petropavlovsk-Kamchatka	1300-1400
6020	Palauig Philippines	1215-1315
6185	Tashkent	1710-1740 (alt: 6205)
6205	Irkutsk and Khabarovsk	2200-2245
9865	Tashkent	1430-1630

(Padula-EDXP)

VIETNAM Voice of Vietnam, B99:

0000-0030	Khmere	7285
0000-0100	Vietnamese	7145 9730
0030-0100	Lao	7285
0100-0130	English	5940A
0130-0230	Vietnamese	5940A
0230-0300	English	5940A
0300-0330	Spanish	7260A 9830A
0330-0400	English	7260A
0400-0500	Vietnamese	13665P
0830-0930	Mandarin	9840 12020
0930-1000	Indonesian	9730
1000-1030	English	9840 12020
1030-1100	Indonesian	9840 12020
1100-1130	English	7285
1100-1130	Spanish	7145 9730
1130-1200	Russian	9730 7145
1130-1200	Thai	7285
1200-1230	Japanese	9840 12020
1200-1230	Khmere	7285
1230-1300	English	9840 12020
1230-1300	Lao	7285
1300-1330	French	9730 7145
1300-1330	Russian	7285
1330-1400	English	9730 7145

1330-1400	Khmere	7285
1400-1430	Japanese	9840 12020
1400-1430	Lao	7285
1430-1500	Cantonese	7285
1430-1500	Indonesian	9840 12020
1500-1530	Mandarin	7285
1500-1530	Thai	9840 12020
1530-1600	Cantonese	9730 12020
1630-1700	English	7145 9730
1700-1730	Russian	9840 12020
1700-1800	Vietnamese	7145 9730
1800-1830	English	7440 7145
1800-1900	French	12070M
1830-1930	Vietnamese	7440M
1900-1930	English	7145 9730
1930-2000	French	7440M 7145 9730
2000-2030	English	9730
2000-2030	Russian	7390M
2000-2030	Spanish	7145 9730
2030-2100	English	7145
2030-2130	Vietnamese	7390M
2100-2130	French	7145 9730
2130-2200	Japanese	9840 12020
2200-2230	Lao	7285
2200-2230	Mandarin	12020
2230-2300	Cantonese	9730 12020
2300-2330	Thai	9840 12020
2330-0000	English	7145 12020

Relays: A=Armavir, M=Moscow, P=Petropavlovsk-Amur (Padula-AUS/EDXP)

Acheck of Vietnamese regional stations around 1230 on Nov-11: exact freqs are my estimates—allow ± 100 Hz or so error:

Lao Cai 5595.5v with unstable carrier, varying up and down every few seconds, and in // on 6700.0 with QRM from strong vox utility station. The latter transmitter was apparently off air for several weeks in Oct, but now back.

Lai Chau 6382.9, usually the best reception of all the regionals at the moment.

Son La 4796, difficult with local noise and splatter from 4800.

Cao Bang 6499v, another station with unstable carrier.

Yen Bai 6391, fair audio at this time but often seems to lack intelligible modulation.

Ha Giang 7156, usual shallow modulation. (Davies/EDXP/Padula-AUS)

YUGOSLAVIA Radio Yugoslavia External Service, main transmitting site at Bijeljina in the Bosnian Serb part of Bosnia-Herzegovina

0000-0030	Spanish	9605 9680
0030-0100	Serbian	7115
0100-0130	English	7115 Mo-Sa
0100-0130	Serbian	7115 Su
0130-0200	Serbian	7115
0200-0230	English	7130
1330-1400	English	11835
1400-1430	Serbian	11835
1530-1600	Arabic	11800 11835
1600-1630	Russian	6100 7165
1630-1645	Hungarian	6100
1645-1700	Greek	6100
1700-1730	French	6100 11800
1730-1800	German	6100 7215
1800-1815	Albanian	6100
1815-1830	Bulgarian	6100
1830-1900	Italian	6100
1900-1930	Russian	6100 7165
1930-2000	English	6100 9720
2000-2030	Spanish	7220
2030-2100	Serbian	6100 7230
2100-2130	German	6100 Su-Fr
2100-2130	Serbian	6100 7230 Sa
2130-2200	French	6100 6185
2200-2230	English	6100 6185
2330-2359	Mandarin	9580

(BBCM)



WANTED: Reactivated veteran DXer wants to buy a receiver. Must be highly sensitive, selective, and image-free for worldwide MW reception from a remote mid-Pacific location. A good notch-filter to eliminate heterodynes without degrading audio is required. Also seeking a switch to select five or six beverage antennas (RG-6 connector preferred). Richard E. Wood, P.O. Box 2895, Kailua-Kona, HI 96785.

Pirate Radio Report

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

Hi and welcome to the last **PIRATE RADIO REPORT** for 1999! A Very Merry Christmas and Happy New Year to all!

In this issue, we have info on a New South American pirate, a request from **WLIS** and your loggings.

Radio Bosques—New Latin Pirate

Radio Bosques, a new South American pirate is run by Mr. Alejandro Garcia, a 29 year old DXer. He has been transmitting irregularly on 6215 since May. The transmitter is a modified solid state marine transmitter with about 60 watts maximum output fed into a ¼ wave V antenna.

The station will start transmissions at the new time of 0200-0400 UTC on Friday, Saturday, Sunday and Monday on the frequency of 6218.5 kHz.

The address for reception reports is: *Calle Supisiche nr. 350 Dpto. 2, 1872-Sarandí, Provincia de Buenos Aires, Argentina.*

[Many thanks to our collaborator in Argentina, Gabriel Ivan Barrera for this information!]

WLIS Wants Input!

WLIS [We Love Interval Signals] is looking for your favorite interval signals to air on future programs. Please send your requests via email to: WLIS@beer.com or mail to **WLIS**, Box 109, Blue Ridge Summit, PA 17214. Charlie Poltz and Jack Boggan will appreciate the input!

Loggings...

I want to thank the following folks who sent in logs for this month's column. Ross Comeau-MA, Eramo-Argentina, Marlin

Field-MI, and Bill Wilkins-MO. Manby thanks!

KIPM, 6955 kHz USB. Heard on October 31st at 0044 UTC with a program about "Entropy Within His Apartment". [Wilkins-MO] Also noted on October 31st at 0050 with excellent reception. [Field-MI]

Jerry Rigged Radio was logged on October 22nd at 2322 UTC on the usual 6955 kHz USB. This was an equipment test that featured Gregorian Chanting and IDs. [Wilkins-MO]

Laser Hot Hits, A Europirate was logged on 6218.9 kHz at 0350 on October 31st. Male DJ repeated a phone # and mentioned Rockabilly music. [Comeau-MA]

RBCN/Radio Bob's Communication Network, was heard on October 31st at 0216-0240*. Bob said QSL's don't require return postage. He uses the Box 24, Lula, GA 30544. [Field-MI]

Radio Cochiguaz, a South American pirate was logged up in Maine on a DXpedition. They were heard on November 21st at 0043-0121 with a relay of the German station, Radio Perfect on 6950 kHz LSB. Reception was poor with noise. [Comeau-MA]

Radio Free America, was heard on October 28th at 2310 UTC with hard rock/heavy metal, Bill Cosby comedy skit with call in requests. [Wilkins-MO]

WLIS/We Love Interval Signals was heard on October 31st at 0325 UTC. They were heard playing IS and thanking different listeners who sent in requests. [Comeau-MA]

That's all for this month, please keep sending those loggings in!

Happy Pirate DX!



QSL Report

Sam Barto
47 Prospect Place
Bristol, CT 06010

ALGERIA: Radiodiffusion Television Alger 15160 f/d "Logo"

* cd., unsigned w/ schedule and report form in 45 ds. for a taped rpt. and \$1.00. This was after a f/up rpt. (Stewart-MO).

ANDAMAN ISLANDS: All India Radio 4760 via **Port Blair** f/d "Ghanashyam's House" cd. in 9 mo.

for \$1.00. The card was sent via New Delhi. v/s A.K. Bhatnagar, Director of Frequency Assignments. (Molander-CA).

ANGUILLA: Caribbean Beacon

6090 f/d "Painted Broadcast Station" cd. in 14 mo. after a f/up rpt. I am more pleased with this QSL from Dr. Scott's organization than I was with the Antarctica QSL! (Molander).

ARGENTINA: LS11 Radio Provincia

* **de Buenos Aires** 15820 p/d ltr. w/ large blue and white station pennant, 4 stickers, schedule and a very large 100 page book about the station and its history. (Barto-CT).

Baires
AM **1270**
La Radio de la Provincia
LS 11 Radio Provincia



**RADIO PROVINCIA
DE BUENOS AIRES**
en 1270 AM

VERIFICATION SIGNERS: Radio Educacao Rural de Tefe 3385 Diacono

Thomas Schwambon. Addr: C.P. 21, 69470-000, Tefe, AM. **CARACOL Bogota** 5075 Efraim Jimenez, Jefe de Operaciones. Addr: Carrera 39, 15-81, Santa Fe de Bogota, DC. **Radio Habana Cuba** 13700 Lourdes Lopez. **Good News World Radio** 11840 Addr: Box 895, Fort Worth, TX 76101. **Voice of Greece** 17520 M. Economou. Addr: 432 Messogion Avenue, GR 15342 Athens. **Radio Station Makedonias** 9935 D. Keremides, Chief Engineer. Addr: Angelaki 2, GR-54621 Thessaloniki, Greece. **Radio Silver** 6935 via **Andino Relay Service**

Addr: PLAY DX, via Davanzati 8, 20158 Milano, Italy. **Radio Doctor** Tim 6949 via **Radio Cochiquaz** Box 520 112, D-44207 Dortmund, Germany. via PLAY DX.

BRANCH OF FEDERAL STATE ENTERTAINMENT
AND BROADCASTING AND RADIO BROADCASTING COMPANY
**CENTER OF BROADCASTING AND
RADIO COMMUNICATIONS No.2**
4, Alabaska Privoia 12A, St. Petersburg, 197376, Russia
Telephone 234-19-02 Teletype 111869 PGR-2 Fax 234-29-71
E-mail CTRC-2@mail.spbnet.ru

Mr. George L. Glotzbach
5 Narrada Court
Santa Fe
New Mexico
U.S.A. 87505

St. Petersburg
August 12th, 1999

Verification of Radio Rossi reception

Dear Mr. Glotzbach,

Thank you very much for your reception report of our Radio Rossi transmission. I am very glad to tell you that all details of your report are correct:

Date: April 8th, 1999
Frequency: 9845 kHz
Time (UTC): 03.28 - 03.47
Time (Moscow): 07.28 - 07.47
Transmitter location: St. Petersburg - Popovka
Total power of transmitters: 400 kW
Transmitter aerial: curtain (147°)

ARGENTINE ANTARCTICA: LRA36 Radio Nacional de Sao Gabriel 15475.5 f/d "Logo" cd. w/ station info ltr. in 14 wks. for a SP rpt. v/s Francisco Cuba, General Coord-

**РАДИО МОСКВА**Dear Mr. Field,This verifies your report on the reception of Radio Moscow's broadcast in EnglishDate December 26, 1991Time 12, 02-12, 23 UTCFrequency 21800kHz-via Simferopol21785kHz-via Armavir17870kHz-via Serpukhov

17790kHz-via Vinnitsa Best wishes from

17790kHz-via Vinnitsa RADIO MOSCOW

17710kHz-via Simferopol,

17710kHz-via Moscow, 17695kHz-via Irkutsk

17655kHz-via St Petersburg,

17635kHz-via Tula, 17610kHz-via Bishkek

15455kHz-via Moscow, 15500kHz-via Moscow

15490kHz-via Kingsepp,

15490kHz-via Bishkek, 17605kHz-via Yerevan.

MOSCOW, Monument to Alexander Pushkin

CFRX 6070 f/d cd. in 23 ds. I heard this stat-**NOTES:** Mickey Delmaque in Edmonton, Alberta says that the QSLs have been rather so lately. However, there are still some good ones to be had. Mickey's E-mail address is: cidxqsl@free.net.edmonton.ab.caAllan Loudell checks in from Bear, Delaware. (Bear - thats a new one for me...Sam) He did some DXing from the Orlando, FL area while attending the National Association of Broadcasters Annual Radio Show. He had dinner with Jim Bohannon who hosts the overnight telephone talk show on Westwood One. George Martoti in Mount Kisco, NY recently mailed several follow up reports from Hungary. He says it seemed to work! US mail must be getting "lost en route".....Sam.ion while I was at my 50th reunion at New Ulm High School in Minnesota. (Glotzbach). **CBC Northern Quebec Service** 9625 ltr. in 20 ds. w/ schedule. (Glotzbach).**CHINA, PEOPLES REPUBLIC OF: Chinese Peoples Broadcasting Station** 15500 and 15285 f/d "Stone Forest in Yunnan" cd. in 3 mo. w/ stickers and schedule. (Barto-CT). **Chinese National Radio - World Service** 15880 and

11000 f/d "Yu Yuan Shanghai" cd. in 7 wks. w/ stickers. (Barto-CT).

CUBA: Radio Rebelde 6120 p/d folder cd. in 4 mo. for \$1.00. (Craighead-KS).**ENGLAND: Radio Free Iraq** 11915 via Woofferton f/d ltr. in 8 mo. v/s David Epstein. (Craighead-KS).* **Ethaat Alakbar Almufrilha (The Joyous Station)** 12020 via Skelton f/d QSL sheet w/ transmitter coordinates and beam in 2 wks. for \$1.00. My report went to Quito - the reply came from Colorado Springs. v/s Roger Stubbe. (Craighead).

March 31, 1993

Richard A. D'Angelo
2216 Burke Drive
Wymising, PA 19610

Dear Mr. D'Angelo:

Thank you for your letter December 14, 1992. We apologize for taking so long to respond. We now have more volunteers participating with us in our fight for a free Haiti, so answering correspondence has become more feasible.

We are a small radio collective, made up of Haitians and North Americans. We are deeply committed to the restoration of democracy in Haiti and hope our programming can further the Haitian people's struggle. As you know, all independent radio stations in Haiti were closed after the coup, making it imperative that we continue to provide news to the people of Haiti.

Enclosed please find requested QSL and information about a cassette we are offering. Radio Neg Mawon receives no official funds and is dependent on individual sponsors and listeners. We would appreciate any support you can offer. Thank you for your correspondence and interest.

Sincerely,

Nally Graver
Intern for Radyo Neg Mawon

inator. (Molander-CA).

ASIATIC RUSSIA: Voice of Russia 12055 via Irkutsk f/d "Yuri Gagarin Monument" cd. in 4 mo. (Barto-CT). f/d cd. in 9 wks. w/ sticker. (Barto-CT).**BONAIRE: Radio Vlaanderen International** 15565 f/d "Photo of Coffee Cup and Ginger Snaps" cd. w/ sticker in 20 ds. (Buer-FL).**BRASIL: ZYP691 Radio CBN Anhanquera** 4915 f/d ltr. in EG in 2 mo. for a PT rpt. v/s Eng. Domingos Vicente Tinoco, Technical Manager. (Barto). **Radio Cancao Nova** 4825 p/d "Clock" cd. in 3 mo. for a PT rpt. and \$1.00 (Molander-CA).**CANADA: Radio Japan** 11705 via Sackville f/d "Shuri Castle in Okinawa" cd. in 29 ds. w/ schedule and report forms. v/s M. Yoshioka (Humenyk-ONT).**RADIO SAN MIGUEL
1968 - 1987**

19 AÑOS AL SERVICIO DE SU PUEBLO



DX Shack: Jerry Klinck sent in a photo of his new DX HQ. The repro on the photo doesn't do it justice. For antennas he utilizes an 80' LW w/ balun, an E/W 60 meter dipole, a SW/NE 60 meter dipole and is erecting a S-SE/N-NW 60 meter dipole aimed directly at the Caribbean and South America. Good Hunting..Sam.

GERMANY: Adventist World Radio 5840 via **Julich** f/d "Zaokski" cd. in 3 mo. w/ schedule, stickers and an AWR Europe stamp. (Barto-CT). 9640 f/d "Marusene" cd. w/ schedule and bookmark in 7 wks. (Barto). **Good News World Radio** 9355 via **Julich** f/d cd. in 6 wks. for \$1.00. (Craig-head-KS). **Radio Liberty** 9680 via **Biblis** f/d ltr. in 172 ds. for an E-mail rpt. (Neal-TX).

GREECE: Voice of Greece 7450, 9420, 11645 and 12105 f/d "Beach in Lef-kascepanissa - Ionian Sea" cd. in 25 ds. w/ schedule. (Humenyk-ONT).

Radio Free Iraq 7110 via **Kaya-la** "VOA Thanksgiving Day Par-

VERIFICATION SIGNERS: Offshore

98 Radio Addr: Box 2209, D-77612, Offenburg, Germany. **RMPC** 7438 and 7440 use the Wuppertal address, **VOSD** 11470 Addr: 333 Glen-Viewpark, Dublin 24, Ireland. **Radio Panama** 11470 Daniel Wistal. Addr: Meisenbrink 14, D-31787 Hamein, Germany. **Escuela De Sirenas** 7590 use the PLAY DX addr. **Radio Contrabanda** 11470 use the PLAY DX address or Box 748

THE FANTASY, FANTASY, ST. HELENA, SOUTH ATLANTIC OCEAN
Frequency: 5840, 9355, 9680, 11645, 12105
1967-1992



ZHH
via via Urbelis
25TH
YEAR
OF
TRANSMISSION



Radio
ST. HELENA

turns me on!

1967...1992

E-08080, Barcelona Catalunya, Spain. **Radio Pica** 7590 and 11470 use the PLAY DX address. **Free Radio Service Holland** 11470 via **SWRS** Addr: Box 2727, NL-6049 ZG Herten, Holland. **Yellow Submarine Radio** 11470 Addr: Box 520 111, D-44207 Dortmund, Germany....via PLAY DX...Sam.

RADIO PRIDNESTROVIE INTERNATIONAL
45, 25th October str.
Tiraspol, PRIDNESTROVIE, CIS,
278000

ade" cd. in 7 wks. (Barto-CT). **HAWAII: Radio Free Asia** 9930 f/d ltr. in 2 mo. w/ schedule and station sticker. (Barto-CT).

ICELAND: Rikisutvarpid 11402 f/d "Icelandic Panorama" cd. in 85 ds. (Borokowski-NY).

INDIA: All India Radio 4970 via **Shillong** f/d "Martand: Sun Temple" cd. in 8 mo. after a f/up ltr. w/ \$1.00. v/s A.K. Bhatnagar. (Molander-CA). f/d ltr. directly from Mizoram, India in 7 mo. after a f/up ltr. v/s C. Lalrosanga. (Molander-CA). * 4850 via **Kohima** f/d "Lakshmana Temple" cd. in 7 mo. after a f/up rpt. w/ \$1.00. Card was sent from New Delhi. (Molander). 11620 via **Bangalore** f/d "Qutb-Minar Tower" cd. in 7 mo. after a f/up rpt. (Molander-CA).

via **Sgrulletta**

Thank you very much for your letter. We are happy to know that from time to time it is possible to receive our programs in your part of the world.

Our station started to work in March 1993. It was created in order to tell Europeans and Americans about the situation in Pridnestrovyje as we see it. The recognition of the Moldavian Republic of Pridnestrovyje is our main purpose. Besides, it is always better to know more than one point of view on any issue.

Pridnestrovyje is the eastern part of Moldova. Before the collapse of the USSR, it was part of the Moldavian Soviet Socialist Republic. After 1990 some republics of the former Soviet Union have been facing ethnic problems and Moldova was not an exception, unfortunately. Moldova tried to solve its ethnic problems by force in favor of its native population at the expense of other nationalities living in Moldova.

Pridnestrovyje, whose population is multinational, has proclaimed human rights to be above ethnic ones. Inevitably, it led to self-proclaiming of the independent Republic of Pridnestrovyje on September 2, 1990 in order to provide equal rights for all nationalities. In summer 1992, Moldova attempted to suppress our republic by military force. The war, as any civil war, has led nowhere.

We are happy that by listening to our programs you have found out more about our young republic, our proud, independent and free people which has held with thousands of human lives for its freedom.

**ZIMBABWE
BROADCASTING CORPORATION**



TO
NAME
Tex Robinson
ADDRESS
412 Westwood Drive
Dev Albany, New York 12205, USA

YOUR QSL CONFIRMED:
DATE 3 AUGUST 1980
FREQ. 5,016 KHz
SERVICE 0630-0645
SIGNED [Signature]

MONACO: Trans World Radio
9870 f/d cd. in 46 ds. for \$1.00. v/s John Moore. Schedule was rcvd. (Borokowski-NY).

NEW ZEALAND: Radio New Zealand International 17675
"We Love NZ" cd. in 17 ds. for 3 IRCs. Schedule and stickers were rcvd. (Brouillette-IL).

NIGERIA: Radio Nigeria 4770
* via Kaduna p/d ltr. in 8 mo. for \$1.00. v/s R.B. Jimoh, Assistant Director of Technical Services. (Molander-CA). 6050 via

Ibadan p/d ltr. in 3 mo. after I sent a registered rpt. w/ SASE and \$1.00. v/s Dare Folarin. (Myers-VA).

PAKISTAN: Azad Kashmir Radio 4790 via Islamabad p/d "Kybar Pass" cd. in 8 mo. for \$1.00 Report was sent to the PBC. (Molander-CA).

VERIFICATION SIGNERS: UAE Radio Abu Dhabi

21630 Abdulwahab Al Radwan. Addr: P.O. Box 63, Abu Dhabi, UAE. **RAE** 15345 Sandro Cenci, Italian Service. **Radio Minsk** 11670 Irina Polozhentseva, English Program Editor. Addr: Vul. Chyronaya 4, 220807 Minsk, Belarus. **Radio Cultura Cuiba** 5015 Roberto Ferreria. **Radio Clube Paranaense** 6040 Vicente Micksz. Addr: Rua Rockefeller 1311, Prado Velho, Curitiba, PR 80230-000. **Radio Bras - Radio Nacional** 15265 Gaby Herta Eintoss. Addr: P.O. Box 08840, Brasilia 70912-790, Brasil....via PLAY DX....Sam.

12 July 1999
Mr Gene Barowski,
139 Regan Avenue,
Staten Island,
New York 10310
USA.

Dear Gene,

I am a freelance journalist who sometimes produces and presents "Calling The Falklands" for the BBC World Service. Your letter of June 13th came across the programme's desk while I was working there last month. As far as I can make out, it was faxed to me by the Falkland Islands Broadcasting Service (FIBS for short - though I've always thought that a most unfortunate acronym for a radio station).

I can confirm that your report of the edition of "Calling The Falklands" which you heard on 11th June is correct and can verify that the programme is broadcast at that time and on that frequency every Tuesday and Friday. I'm afraid I don't know what a QSL chart is but I hope that this letter meets your requirements. Frankly I'm amazed that you picked up the programme at all.

It might interest you to know about the mechanics of the programme's transmission. These days we have a satellite link to the Islands from 18.40 to 19.00 London time, Tuesdays and Fridays. We send 1KHz tone for the first 45 seconds, then do the programme as if it were a live broadcast from 18.41 until 18.56. The programme is recorded at FIBS which puts it out on its own local frequencies a couple of hours later. We also do our own recording in London. That tape is played out from an automatic playback channel in Bush House at 21.30 on the short wave frequency which you picked up. Most listeners tune in to the local broadcast - as you can imagine the reception is much better.

I hope you continue to enjoy your listening and pick up plenty more curiosities. Please give my love to New York, where I have spent two very enjoyable holidays.

With best wishes,

Dee Palmer



PAPUA NEW GUINEA: Radio Simbu 3355 p/d ltr. in 7 wks. for \$2.00. v/s Paia Ottawa. (Myers).

PHILIPPINES: Voice of America 9760 f/d "National Archives" cd. in 5 wks. (Barto-CT). 11825 f/d "Canyonland National Park" cd. in 7 wks. (Barto). 11965 f/d "Mount Rushmore National Monument" cd. in 5 wks. (Barto-CT).

POLAND: Polskie Radio 9525 f/d "Logo" cd. in 65 ds. v/s Rafal Kiepuszewski. Also rcvd. sticker, schedule, report forms and station literature. (Borokowski-NY).

ROMANIA: Radio Romania International 11655, 9800 and 9780 f/d "Yuri Gagarin Monument" cd. w/ schedule in 4 mo. (Barto)





Radio Veritas Asia

1969-1994

25 Years

of broadcasting throughout Asia

2 IRCs. Also rcvd. form ltr., sticker and station info - all in FR. (Comeau). f/d "Logo" cd. w/ form
A Dream realized, ltr. in FR w/ sticker
A Commitment renewed. in 17 mo. for a FR rpt. and \$1.00

This after 2 f/up rpts. C/V # 112. (Molander-CA). p/d ltr. w/ sticker and schedule in 50 ds. (Humenyuk-ONT).

SRI LANKA: Voice of America
15565 via Iranavila f/d

cd. in 3 wks. for reception of a test transmission. (Craighead-KS).

SWEDEN: Radio Sweden International 18960 and 21810 f/d "Sundsvall Winter Scence" cd. in 3 wks. w/ schedule. (Barto-CT).

SWITZERLAND: Swiss Radio International 9905 via Sottens f/s "Solothurn The Inn of the Red Tower" cd. in 88 ds. w/ schedule for an E-mail rpt. (J. Griffin).

SYRIA: Radio Damascus 13610 and 12085 f/d "Globe and Tower" cd. in 59 ds. w/ sticker, schedule, newspaper and brochures. (Humenyuk-ONT).

THAILAND: Voice of America 11855 via Udorn f/d "Highway 1633 through Monument Valley Tri-



NATIONAL
BROADCASTING

COMMISSION OF PAPUA NEW GUINEA

Ref 47-1-22
Date: 26/11/98

Phone 9337113 Cable: BROADCAST Tel: Fax: 9337095 P.O. Box 393, BARKLA, HEP.

Jeff Molander
6808 Strada Way
E1A Grove, CA95758
USA

Dear Mr. Molander.....

This is to acknowledge and confirm your reception report indicating you had listened to Radio East New Britain from your country on 28/04/1998.....

Broadcast details also verified your report to be correct.

Thanks for your interest in listening to Radio East New Britain.

Yours sincerely,

DENIS V. KAMBALA
PROVINCIAL PROGRAMS MANAGER,
RADIO EAST NEW BRITAIN.

in Wells, NV. He says that if I'm in the area I get free beer! Jim has found a novel way to understand French broadcasts - drink lots of beer. Hi!... Sam.

NOTES: Gene Borokowski says he had a great summer. New C/V include Mexico, Colombia and Oman. **Jim Fedor** says "keep the mediumwave QSLs for 1600 to 1700 kHz until the novelty wears off. That band segment is already crowded out in Nevada. I enjoyed it when it just started but its now the same old mediumwave." Jim runs the Beverly Hills Ranch

bal Park, Arizona" cd. in 5 wks. (Barto-CT).

TINIAN: Voice of America f/d "US Capitol" cd. in 5 wks. (Barto-CT).

TURKEY: Voice of Turkey 11655 and 17830 via Emirler f/d "Four Women Wearing Traditional Headgear" cd. in 28 ds. w/ schedule and sticker.

USA: WTJC 9370 f/d "Lighthouse w/ Gospel Scriptures" (Humenyuk-ONT).

cd. in 23 ds. w/ schedule and pocket calendar. v/s B. Robinson. (Humenyuk-ONT). f/d cd. in 10 ds. w/ schedule and magnet. (Clement-GA). same in 2 wks.

(Craighead). f/d cd. w/ schedule and pocket calendar in 10 ds for \$1.00. (Myers-VA).

WHRI Angel 2

5745 f/d cd. in 1 mo. (Barto-CT).

5755 f/d cd. in 2 mo. w/ schedule. (Barto-CT).



Radio Veritas Asia

VERIFICATION CARD

01 October 1998
(Date)

Dear Mr. Jeff A. Molander.....

Your reception report of our Tamil Broadcast on 9.520 mHz. in the 31 mb on MAY 9, 1998 from 1400 UTC to 1425 UTC has been verified against our log and found to be correct.

Thank you for your report. Please write again. We welcome more reports, comments and suggestions from you.

With best wishes and happy listening!

Sincerely yours,

MS. CHOO R. LABINDAO
Audience Relations Officer

QSLà **JEFF. A. MOLANDER**

Nous avons l'honneur de vous confirmer votre réception
 du **26.05.98**
 de **23.04** à **01.00** G.M.T.
 sur la fréquence de **95.75** KHz de notre
 émetteur d'une puissance de **250** KW
 situé à Nador (MAROC)

إدارة البث الإذاعي
 SNRT - Nador
 Service Technique

R.M.I. s.a. au capital de 18.000.000 dh. - 3, Rue Elmoulah-Tanger (Maroc) - 05353631 / 635725 - Telex 37713

Radio Free Asia
 15695 and 15705
 f/d ltr. w/o
 sites in 2½ mo.
 (Barto-CT). 15510
 via **Delano** ltr.
 w/ sticker in 3
 mo. (Barto-CT).

* **Pirating with**
Cumbre 17650 via
WHRA f/d cd. in
 9 wks. v/s Chris
 Lobdell. (Craig-
 head-KS).

USA (Pirates): Take It Easy Radio 6955 f/d sheet #159 in 19 mo. For ms.

This was heard during the 98 WinterFest. (Neal-TX). **WHYP** 6955 f/d
 form ltr. in 24 ds. for an E-mail rpt. This was postmarked from
 Thailand w/ very nice Thai stamps on the envelope. Flip side of the
 letter included **WHYP** April 13, 1967 schedule and an ad for Aamco.

Coverage map for **WHYP** and info was provided on the late (original) James Brown-
 yard. (Comeau-MA). **KIPM** 6950 rcvd. a f/d
 QSL, very colorful and hard to describe,
 but it perfectly fit the station's pro-
 gramming. Also received a personal ltr.
 and info. about the station. Use the
 Lula, GA POB address. (Comeau-MA).

UZBEKISTAN: Jiban Taranqo via **Tashkent** f/d
 * cd. in 7 wks. for a report to the **IBRA**.
 (Craighead-KS).

VATICAN: Radio Vatican 7360 and 9660 f/d
 "Antenna" cd. in 5 wks. (Barto-CT). 15500
 and 17630 f/d "The Popes who have Spoken
 on Vatican Radio" cd. w/ schedule in 107
 ds. (Humenyk-ONT).

WEST BERLIN: Deutschland Radio 6005 f/d cd.
 in 8 mo. for a taped rpt. and ms. (Klinck-
 NY). f/d cd. in 86 ds. I heard this
 station while I was in Berlin. They sent
 me stickers, schedule, pencil, ball pt.
 pen, lapel pin and a leather purse! (G1-
 otzbach-NM).

WEST IRIAN: Radio Republik Indonesia 4790
 via **Fak-Fak** f/d ltr. in 86 ds. from Drs.
 Tukiran Erlantoko. This was for a taped
 rpt. and ms. (Delmage-ALB).

ZAMBIA: Radio Zambia - ZNBC 6265 f/d "Logo"
 cd. in 1 yr after a f/up rpt. v/s Patrick
 Nkula. (Molander-CA).



This is the final QSL Column for 1999. Hope everyone has a great

DX Season and
 may your stock-
 ing be filled
 with responses
 to your follow
 up reports. I
 hope mine is
 filled with all
 the trout flies
 I lost this
 year... Sam.



SOCIÉTÉ NATIONALE DE RADIO
 TÉLÉVISION FRANÇAISE D'OUTRE-MER
 6, P. 9811, 97801 CAYENNE CEDEX
 TEL 59 204 25 90 00 - FAX 59 204 36 87 30
 - CAYENNE FRANÇAISE -

Pour vos félicités et nous remercier 17.11.98
 nous nous appuyons sur ce QSL

Compliments you and thanks you for your correspondence

Nos émissions locales sont diffusées :

- De 2.30 à 24.00 (horaires)
 - De 8.30 à 9.00 (UTC)

Sur les fréquences suivantes :

5925 KHz - 5385 KHz - 6170 KHz

NE : A partir de 24 heures locales (2.00 UTC)
 sans relais FRANCE-INTER

Jeff MOLANDER
 6808 Storia Way
 Elk Grove CA 95758

(U.S.A)

200108

Sam

Net Notes

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

The Winter SWL Festival registration form, as an Adobe Acrobat PDF file, is now available for download at <http://www.trsc.com/winterfest.html>. Thanks to Ralph Brandi for preparing the file.

Andy Sennitt of Radio Netherlands' Media Network tells us of a fascinating Russian Web site focusing an antique Russian radios: <http://home.onego.ru/~vitalybr/>.

Do you have the Ten-Tec RX-320 PC DSP receiver? Alan Johnson reviewed it in the December 1998 Journal; the review is posted at <http://www.best.com/~swl/naswa/issues/1298/equip1298.html>. It is a good receiver, and less than US \$300. We found a number of sources of alternative receiver control software; most are freeware. You can explore the differences among them, but we note the first one below supports Mark Fine's FineWare (<http://users.erols.com/fineware/>) Schedules database:

(1) <http://www.ns.net/~jpsmith/jimweb/rx320/radio320.html>

(2) <http://members.tripod.com/gniephaus/>

(3) <http://members.home.net/creativexpress/products.htm>

(4) <http://pages.prodigy.net/kf5oj/KF5OJ.htm>

(5) <http://www.thiecom.de/1steuersoftware.htm>

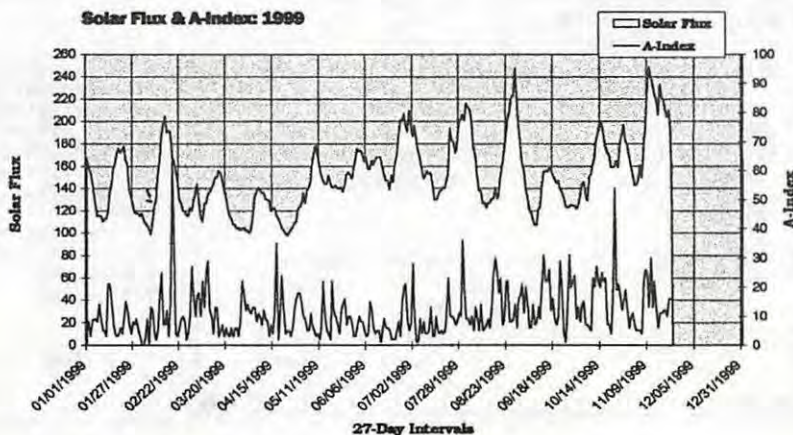
These are Windows programs. We did find any Macintosh applications in our search. We have not tested the software; caveat emptor. We recommend you use a virus scanning program to be safe than sorry.

A new broadcaster on the Web is Kazak Radio (<http://www.radio.kz/>) with RealAudio.

Willi Paßmann, DJ6JZ, has assembled a new super-site of radio links that can be searched. More than 8500 entries are entered into the database. Check it out at <http://www.radio-portal.org/>.

At the behest of Dan Ferguson, we have reinstated difficult-to-find reference material required to decode the broadcast engineering schedules posted into newsgroups and mailing lists. Click on "References" on our Web site.

Whatever holidays you celebrate, the best of Seasons Greetings. Be safe over the holidays.



Scoreboard

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

Hello, and welcome once again to the NASWA SCOREBOARD. This month we highlight our members Asian totals. The next deadline is February 15th for the March issue of the JOURNAL. The spotlight then will be on Europe. Please update your totals at least once a year to remain on the SCOREBOARD, and remember to use the NASWA Country List for counting totals. Thanks to all of our regular contributors, and welcome to those joining the SCOREBOARD for the first time.

Name, State	Total		Asia		Best Asia QSL
	C/H	C/V	C/H	C/V	
James Young, CA	251	233	72	67	Bhutan (100w)
Dan Henderson, MD	242	234	70	65	RKPKDK Jember
Marlin Field, MI	241	240	67	66	RRI Serui
William Flynn, OR	241	227	69	63	BCS Japan 6105
Jerry Berg, MA	240	238	67	66	Port. Timor
Gerry Bishop, FL	238	223	69	63	Bhutan
John Sgrulletta, NY	236	236	63	63	Vo Peace
Don Hosmer, MI	227	195			
Nobuaki Takahashi, Japan	226	201			
Sheryl Paszkiewicz, WI	221	214	60	53	Sri Lanka BC
Richard Davis, NM	220	212	64	60	RRI Dili
Paul Buer, FL	218	205	56	53	Vo Peace
Rick Krzemien, CA	217	212			
Christos Rigas, IL	217	197	60	53	Bahrain
Fred Kohlbrønner, PA	217	193	62	55	RRI Dili
Jerry Klinck, NY	216	196			
Jerry Lineback, KS	214	109	58	15	Ujung Pandan
Stephen Price, PA	193	172	59	53	BSKSA
George Maroti, NY	192	160	52	39	RTM Malaysia
Jim Renfrew, NY	187	153	46	40	Cambodia
Bob Fleck, TX	184	161			
Allan R. Loudell, DE	184	155	49	42	Capitol Radio
Ross Comeau, MA	184	154	46	38	AIR Andaman Is
Gary Froemming, AZ	181	44	48	7	BSF Taiwan
Andy Rugg, Quebec	177	157	43	39	BBC Singapore
Bill Bergadano, NJ	177	117			
Bob Raymond, NH	169	139	39	30	Vo Malaysia
Mark Humenyk, Ontario	169	135			
Robert E. Gearing II, FL	155	122			
Darren White, MS	154	110	34	24	Wings of Hope
Norm Constanti, MO	142	107	21	10	Okinawa, Japan
Jill Dybka, TN	129	99	30	19	R. Ned., Irkutsk
Gary R. Neal, TX	123	114	33	29	Vo Hope, Lebanon
George L. Glotzbach, NM	108	63	32	11	CRI
Ronald J. Hunsicker, PA	107	95			
Gene Borowski, NY	91	80	24	19	R. Pyongyang
Bret Pollack, MD	82	54			
Ed Krucenski, FL	59	27	15	5	

Contributors' Page

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

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

Brian ALEXANDER, Mechanicsburg, PA
Gene BOROWSKI, Staten Island, NY
Ralph BRANDI, Tinton Falls, NJ
Paul BROUILLETTE, Geneva, IL
Ross COMEAU, Andover, MA
Peter COSTELLO, Matawan, NJ
Rich A. D'ANGELO, Wyomissing, PA
Nicolas ERAMO, Buenos Aires, ARGENTINA
Walt FAIR, Maracaibo, VENEZUELA
Marlin FIELD, Hillsdale, MI
Jeff FINDLATER, Los Angeles, CA
Bill FINN, PA
Bob FRASER, Cohasset, MA
Andre FREDETTE, Oakville, ONTARIO
George GLOTZBACH, Santa Fe, NM
Jennifer GRIFFIN
Joe HANLON, Philadelphia, PA
Bob HILL, Littleton, MA
Mark HUMENYK, Weston ONTARIO
Fred KOHLBRENNER, Philadelphia, PA
Marie LAMB, Brewertown, NY
Harold LEVISON, Philadelphia, PA
Jerry LINEBACK, Scranton, KS
Jack LINONIS, West Middlesex, PA
George MAROTI, Mt. Kisco, NY
William MCGUIRE, Cheverly, MD
Jim MOATS, Ravenna, OH
Jeff MOLANDER, Elk Grove, CA
Bob MONTGOMERY, Levittown, PA
Gary NEAL, Sugarland, TX
Don NELSON, Beaverton, OR
Ed NEWBURY, Kimball, NE
Scott NEWMAN, Indianapolis, IN
Junichi NISHIKAWA, Tokyo, JAPAN
Jay NOVELLO, Wake Forrest, NC
Takayuki Inoue NOZAKI, Tokyo, JAPAN
Gary OTTESON, Philadelphia, PA
Denis PASQUALE, New Brighton, PA
Bob RAYMOND, Nashua, NH
Chris RIGAS, Wood Dale, IL
Chuck RIPPEL, Cornland, VA
Betsy ROBINSON, Clinton, TN
John ROGERS, Belmont, MA
Andy RUGG, Cornwall, ONTARIO
Giovanni SERRA, Rome, ITALY
Randy STEWART, Springfield, MO
Fred TRESCHER, Philadelphia, PA
George UHLER, Brookings, OR
Jennifer WEINBRUM, Denver, CO
Gerald WITHAM, Keaau, HI
Bobby WRIGHT, Mount Airy, NC
James YOUNG, Wrightwood, CA

R8B AOR AR-7030 100' LW

R8 PR150 Dressler ARA60

R8 60' LW

R8 325' LW

AR3030 DX-390 YB400 70' LW Tun-4A

R8 HF150 FL-3 AD Sloper LW

Sony 2010 ICF-7600 7600G LW's

Sony ICF-2003 ICF-SW100S 2m LW

NRD-535D R8B G5RV 200'LW

Grundig G-2000A 23' LW

Drake SW8 Sony 2010 EMF antenna

Sony 2010 120' dipole at 35'

Magnavox D-2935 AN-60 DX-SWL sloper

R8 NRD-525 Datong FL-3 ANC-4 Sloper

HF-150 DX-392 MFJ-16010 60m LW Loop

R8 R70 YB400

Icom 746 beverage antennas

DX-375 DX160A NCX-20 65' LW Sloper

R8B 2010 T2FD 30/45m dipoles

DX-380

FRG-7700 LW

R8B YB400 45' LW

R388 DX Pro active antenna

Grundig YB-400

HF1000A NRD-545 Collons 2050 R7A 70'LW

WJ-1000 R8 60'Sloper 20' loop

Sony 2010 Eavesdropper 42' dipole

R8A LW's

NRD515 NRD535 FRG7000

R8A 200' random wire

Sony 2010 beverage antennas

R8B 20m 5/8 wave vertical

R-2000 Sony 2010 AD Sloper LW

WJ-HF1000A R8B R390A/SE-3 51S-1 LW's

Sony 2010 Indoor antenna

Icom 735 Ham dipole

NRD-525 AD Sloper

FRG-100 w/Collins filters

Sony 2010 FRG-7700

DX440 23' LW Grove Tun-3

AOR-7030

R8 ANC-4 135' LW

DX392 LW




Tropical Band Loggings

Sheryl Paszkiewicz
314 Riverview Drive, Apt 16
Manitowoc, WI 54220
spasz@dataplusnet.com

- 2310 AUSTRALIA CAAMA R 11/6 1308 EG pops, very weak (Line-KS) 10/16 1030 peaking w/contempo mx & YL annr (Ripp-VA)
- 2325 AUSTRALIA CAAMA R 11/6 1309 EG pops, very weak (Line-KS)
- 2460 BRAZIL R *Alvorada* 11/11 0145 pop mx, Ids, ads, strong (Nove-NC)
- 2485 AUSTRALIA CAAMA R 11/6 1309 EG pops, very weak (Line-KS)
- 3205 NEW GUINEA R *Sandaun* 11/1 1157 lang talk, very weak (Line-KS)
- 3215 SULAWESI RRI *Manado* 11/1 1301 RRI nx, poor (Line-KS)
- 3265 SULAWESI RRI *Gorontalo* 11/6 1202 RRI nx, fair (Line-KS)
- 3315 ADMIRALTY ISL R *Manus* 11/6 1151 local mx, poor (Line-KS)
- 3324.8 GUATEMALA R *Maya* 11/9 1056 organ mx, Ids, good (Kohl-PA)
- 3325 KALIMANTAN RRI *Palangkaraya* 11/6 1201 RRI nx, poor (Line-KS) I still need this one—sp
- 3329.5 PERU *Ondas del Huallaga* 11/9 1025 huaynos, OM (D'An-PA)
- 3335 NEW GUINEA R *E Sepik* 11/6 1150 local mx & lang talk (Line-KS)
- 3345 MOLUCCAS RRI *Ternate* 11/6 1204 no SCI, mx, RRI nx, fair (Line)
- 3365 INDIA AIR *Delhi* 11/6 1255 subcont mx //4860 poor w/ute (Line)
- 3366 GHANA GBC 11/8 2212 EG cmtry on educ. Salaries, etc (Kohl-PA)
- 3385 NEW BRITAIN RENB 10/30 1214 local mx, very poor (Line-KS)
- 3395.2 SUMATRA RRI *Bandar Lampung* 11/7 2212 talk by OM, poor (D'An-PA)
- 3905 IRIAN JAYA RRI *Merauke* 10/28 1326 YL C&W mx, lang tlk, SCI, ID, poor (Wein-CO) Alright Jen! 11/6 1159 SCI into RRI nx at 1200, poor (Line-KS) 11/8 1138 vocals, ID 1159, Jakarta nx (D'An-PA)
- 3925 JAPAN R *Tampa* 11/13 0916 JP talks //6055, exc sig (Uhle-OR) Welcome to the fold—sp Hey that's the new song by Filter
- 3976 KALIMANTAN RRI *Pontianak* 11/6 1159 SCI into RRI nx, poor in ham QRM (Line-KS)
- 4000.2 SULAWESI RRI *Kendari* 11/6 SCI 1159 into RRI nx, poor (Line-KS)
- 4552.4 BOLIVIA R *Tropico* 11/7 2247 LA vocals, fair (D'An-PA)
- 4606 IRIAN JAYA RRI *Serui* 10/30 1216 NA after nx, poor (Line-KS)
- 4725 MYANMAR R *Myanmar* 11/6 1258 pres Bamar female vcls, anmts by YL at 1300, pres nx, fair (Line-KS)
- 4746.5 PERU R *Huanta 2000* 11/8 1012 Andean mx & vocals, ID (Kohl-PA)
- 4750 PERU R *San Fran. Solano* 11/9 1048 OA mx, ID by OM (D'An-PA)
- 4753.3 SULAWESI RRI *Ujung Pandang* 11/6 1159 SCI into RRI nx, good (Line-KS) 10/27 2050 IN pops, anmts, talk (Ripp-VA) 11/7 2158 SCI, ID, Jakarta nx (D'An-PA) 1
- 4760 KASHMIR AIR *Leh* 11/6 1230 EG nx by YL, very poor (Line-KS)
- 4775 PERU *Radio Tarma* 11/9 1005 Andean mx, talk, IDs (Kohl-PA)
- 4785.6 ECUADOR R *Federacion* 10/31 1100 ment Ecuador, prayer, mx (Robi-TN)
- 4789 IRIAN JAYA RRI *Fak-Fak* 11/6 1159 SCI into RRI nx, poor (Line)

- 4790 **INDIA AIR Chennai** 10/13 0033 subcont mx, then talk at 0035 and 0040. S9 sig rivaling 5010 (Sgru-NY) 11/10 0045* subcont vcls, talk in pres Tamil (Kohl-PA) 11/10 0045* talk, static, flute mx (D'An-PA)
- 4790.2 **PERU R Atlantida** 10/12 2305 talk, Andean mx, ID 0015 (Fair-VEN) 11/8 1046 OA vocals, ID, anmts, (D'An-PA)
- 4790.4 **PAKISTAN AKR** 11/9 0142 local vocals & short talks (D'An-PA)
- 4796.5 **BOLIVIA R Mallku** 11/7 2301 talk, ID, rustic vocals, poor & it was only audible on 500' N-S antenna (D'An-PA) I haven't hrd of this one but I'll take your word for it—sp.
- 4800 **ECUADOR R Popular** 10/15 0245 SP cmtry (Tres-PA)
- 4800 **INDIA AIR Hyderabad** 10/13 0016 test tone, IS 0023 but Guatemalan too strong to hear past that (Sgru-NY)
- 4817.5v **MAURITANIA ORTM** 10/16 0103* AR tlk & mx, Koran, anthem (Alex)
- 4820 **BOTSWANA R Botswana** 11/9 2200* pop vocals, YL anncr, occas EG. Local TC, prayer, choral anthem, fair (Kohl-PA) 11/9 2201* vocals, good night, prayer, NA (D'An-PA) Tnx for your extensive list of loggings—sp
- 4820 **HONDURAS LV Evangelica** 11/03 0430 SP hymns & rel tlk (Lino-PA) 10/15 0245 SP cmtry (Tres-PA) 10/12 2320 rel talk, mx, fair w/static (Fair-VEN)
- 4824.4 **PERU LV de la Selva** 11/10 1005 good sig, mx, Ids, TCs (Kohl-PA)
- 4826.5 **PERU R Sicuani** 10/17 0913 Quechua & SP huaynos, TC, ID (Eram)
- 4828 **ZIMBABWE ZBC** 10/16 *0300 NA lang tlk, Radio 4 ID, church mx Hrd since 10/3, also 3306 w/separate pgm (Alex-PA) 11/9 0320 Afr mx, YL in lang, ZBC ID (Kohl-PA)
- 4832 **COSTA RICA R Reloj** 10/15 0245 SP cmtry (Tres-PA)
- 4840 **INDIA AIR Mumbai** 11/6 1256 subcont mx, fair (Line-KS) 10/25 0014 IS, lang tlk, Indian folk mx, EG 0030, poor audio, partial ID (Come-MA)
- 4845 **GUATEMALA R Kekchi** 10/31 1130 campesino mx, rel pgm, ID, marimba mx (Robi-TN) 10/12 2340 anmts, talk in lang (Fair-VEN)
- 4850 **CHINA CNR** 1332 beautiful mx & chanting (Wein-CO)
- 4850 **INDIA AIR Kohima** 11/6 1230 EG nx by YL, poor (Line-KS) 11/8 *0028 IS, 5+1 TP, ID, nx (D'An-PA)
- 4860 **INDIA AIR Delhi** 11/6 1230 EG nx poor rising to fair at 1255 w/subcont mx (Line-KS) 11/9 0028 flute mx, ID, nx, nice pgm of Hindi mx, 5+1 TP, nx (D'An-PA)
- 4870 **ECUADOR LV del Upano** 11/9 1040 adult & kids reciting rosary //5999.4 & 5040, fair (Kohl-PA)
- 4875 **IRIAN JAYA RRI Sorong** 11/1 1159 IN pop vcl, local anmts, SCI into RRI nx by YL, pulled plug b4 NA (Line-KS)
- 4880 **INDIA AIR Lucknow** 11/1 1234 EG nx, poor (Line-KS)
- 4885 **BRAZIL R Clube** 11/03 0445 poss pol speech, some QRM but clear PT ID with echo (Lino-PA)
- 4886.7 **PERU R Virgen del Carmen** 11/9 1019 mx, ID, OM anncr (Kohl-PA)
- 4890 **PAPUA NBC** 11/6 1152 local pops, fair (Line-KS)
- 4890.2 **PERU Radio Chota** 10/18 0233 OM, huaynos, Ids, phone # (Eram)
- 4895 **SARAWAK RM Kuching** 10/30 1251 Malaysian pop vocal, fair (Line)
- 4915 **GHANA GBC** 10/11 0530 lang cmtry, ID (Eram-ARG)
- 4919.4 **ECUADOR Radio Quito** 10/18 0438 mx pgm, ID, jingles (Eram-ARG)
- 4920 **INDIA AIR Chennai** 11/6 1226 subcont mx, EG nx by YL 1230 (Line)

- 4925 **SUMATRA RRI Jambi** 11/6 1203 RRI nx, poor (Line-KS) 11/9 2211 Koran, talk, SCI (D'An-PA)
- 4926.3 **BOLIVIA R San Miguel** 10/30 0128 mx, cmtry, ID (Eram-ARG)
- 4930U **TURKMENISTAN Mayak Relay** 11/12 0113 old Slavic vocals, RS YL, Mayak IS (Hill-MA)
- 4950 **ANGOLA R Nacional** 10/11 0520 PT cmtry, nx, mx, ID (Eram-ARG)
- 4950 **ECUADOR R Bahai** 11/9 0932 Andean mx, prayers, IDs (Kohl-PA)
- 4955 **COLOMBIA R Nacional** 11/03 0500 w/SP pop mx (Lino-PA) 10/15 0450 Latin mx (Tres-PA)
- 4955 **PERU R Cultural** 10/29 0055 mx pgm, YL anncr, intl nx, TC, ID, fair (Eram-ARG)
- 4960 **DOMINICAN REP R Villa la Sencilla** 10/11 0035 mx pgm with sev IDs (Fiel-MI) 10/24 0030 bouncy rhythms, jingles, Ids, phone call from YL, ment Sto Domingo & capital (Eram-ARG) 10/12 2358 full ID, good (Fair-VEN)
- 4980 **VENEZUELA Ecos del Torbes** 10/15 0250 SP mx (Tres-PA)
- 5003.5 **RIO MUNI R Nacional** 10/11 0505 mx, cmtry abt world population, ID Radio Guinea Ecuatorial (Eram-ARG)
- 5005 **NEPAL R Nepal** 10/13 0011 Nepali IS, talk, mx (Sgru-NY)
- 5010 **INDIA AIR Thiru.** 10/13 0017 test tone, IS and Vande mataram. Clear ID 0021, mx, EG nx 0035 abt Pakistan coup (Sgru-NY) 11/9 0116 talk & Hindi mx, 5+1 TP, nx (D'An-PA)
- 5015 **TURKMENISTAN R Asgabat** 11/9 0134 short talks, local mx, 0200 IS, ID, nx (D'An-PA)
- 5020 **COLOMBIA Ecos del Atrato** 10/29 0402 nx or cmtry, occas. IDs throughout, S9 sig (Sgru-NY)
- 5020 **SOLOMON ISL SIBC** 10/17 1159* fair (Line-KS)
- 5020.5 **NIGER LV du Sahel** 11/7 2158* FR pgm, pops, flutes, nx, Koran NA, poor (Kohl-PA)
- 5025t **BENIN Parakou** 11/03 0530 lang w/AR type mx & drumming (Lino-PA)
- 5025 **CUBA R Rebelde** 11/03 0500 Cuban folk mx (Lino-PA)
- 5025 **PERU R Quillabamba** 11/10 0947 balada, ID, rooster crow (D'An)
- 5055 **COSTA RICA Faro del Caribe** 11/03 0430 SP fade in & out (Lino)
- 5070 **USA WWCR** 10/15 0500 EG tlk pgm (Tres-PA)
- 5500 **ETHIOPIA Vo Tigray Rev** 11/10 0355 IS, ID, brief mx segment & sev ments of Afr locations, fair (D'An-PA)
- 5523 **PERU R Sudamerica** 10/24 1100 Cajamarcan folklore & saludos. ID with freq anmt (TIN-JP) 10/14 0041 esoteric pgm & huaynos, ID poor (Eram-ARG)
- 5637.4 **PERU R Peru** 10/18 0129 mx pgm, ads, TC, ID (Eram-ARG)
- 5678 **PERU R Ilucan** 11/10 1034 ad strings, Tcs, mx, ID (Kohl-PA) 10/14 0030 anmt, boleros & cumbias, ID, TC (Eram-ARG) 11/10 1043 Ids, Tcs, anmts, OA vocals, fair (D'An-PA)
- 5835 **KALININGRAD R Nederland Relay** 10/30 2058 talk, time pips then talk to 2125* (Sgru-NY) Tnx for the kind remarks—sp

Thank you all. I took a little more time and tried to make it interesting reading which I think it hasn't been for awhile. I mean that's my fault. Happy Holidays to all. Jack, You might not hear Tahiti good at this time of the year but they still QSL as far as I know. 

International Band Loggings

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- 5955 **COLOMBIA** *Caracol* Villavicencio in SP 1009, noticias, ID's, TC's, ads, g (D'Angelo FCDX-PA)
- 5975 **ANTIGUA** *BBC* relay in EG 0000, 26 dead in London train crash (Newbury NE, Trescher PA 10/6)
- 5975 **NETHERLANDS ANTILLES** *BBC* relay in SP 0013, nx, ID, rpt on Indonesian elections, cmntry, xmsn via Bonaire temporarily because of hurricane at Antigua relay 10/19 (Brandi NJ 10/21)
- 5985 **UNITED KINGDOM** *VOA* relay Woofferton in FR 2119- 2130*, xmsn to Africa, f (D'Angelo 11/8)
- 6005 **JAPAN** *NHK* Sapporo in JP 1135, interview, mx, //3970 (Nelson OR 10/12)
- 6020 **AUSTRALIA** *RA* in EG 1033, nx, tlk re World Bank, IS, s/off Billy Bong mx, f-g (Uhler OR 11/11)
- 6050 **NIGERIA** *RN* Ibadan in EG 2124, tlks, piano mx, ID 2129, fair until BBC s/on 2130 (D'Angelo 11/9)
- 61207v **ALBANIA** *R Tirana* in EG 0145, nx, cmntry, press review, Spain and Albania reach trade agreement, moved from 61207 to 61159 during xmsn, //71598 (Alexander PA 10/9, Pasquale PA 10/9)
- 6120 **GERMANY** *R Vilnius* relay Jülich in EG 0039, rpt on possible collapse of Soviet-built apartments in Lithuania, rpt on Millenium Peace Bicycle Event (Hanlon PA 11/1, Pasquale PA 11/2)
- 6130 **CANADA** *CHNX* Halifax in EG 0832, Oldies, relay MW CHNS (Nelson OR 10/31) Only 40 watts!
- 6165 **NETHERLANDS ANTILLES** *R Nederlands* relay in EG 0000, ID, Media Network, tlk on propagation nx re London train crash (Uhler OR, Levison PA, Trescher PA)
- 6155nf? **UNITED KINGDOM** *R Telefis Eireann* relay in EG 0130, tlkre Irish rugby teams (Linonis PA 11/3)
- 6165 **ZAMBIA** *ZNBC* Lusaka in EG 2140-2201*, African vcls, brief tlk, NA, p (Kohlbrener FCDX-PA)
- 6185 **MEXICO** *R Educacion* in SP/EG 0102, ID in EG, QTH, tlks, mx (Alexander PA 10/17) lite classical mx & rock, ID's in SP/EG 0829 (Newbury NE) in SP 0855, drama, mx, ID, IS, f-g (Uhler OR 11/10)
- 6240nf **ARMENIA** *TWR* relay in lang? 1935, tlk, singing by YL, TWR IS 1944 (Costello NJ 11/4)
- 6265 **ZAMBIA** *ZNBC* in lang? 0305, tribal vcls, tlks, f-g (D'Angelo, Montgomery FCDX-PA, Field MI)
- 67976 **PERU** *R Ondas del Rio Mayo* in SP 0110, long tlk, OA vcls, f-p (D'Angelo FCDX-PA 11/10)
- 68955 **PERU** *R San Miguel el Faique* in SP 0158*, mx pgm, s/off with full ID, NA (Eramo ARG 10/15)
- 6898nf **ISRAEL** *Galei Zahal* Israel Defense Forces in HB 0025, US pop/rp mx, f-p (Alexander PA 10/16) long tlks, ID 2300, nx, Stevie Wonder tune, rap"mx", g (D'Angelo, Montgomery FCDX-PA 11/7-8)
- 6940 **ETHIOPIA** *R Fana* in AR *0318-0348, OC until 0326, IS, ID, fanfare, opening ancmts, nx 0330, mx, speech 0344, //6210 (D'Angelo FCDX-PA 11/8, Montgomery FCDX-PA 11/8)
- 70035v **PERU** *La Voz de las Huarinas* Huancabamba in SP 1006, ID's, OA/Peruvian vcls, lively ancmts, f-p w/cw QRM (D'Angelo, Montgomery FCDX-PA 11/8) pgm "Amanecer Campesino" (Nozaki JP 10/24)
- 7125 **MOLDOVA** *V of Russia* relay in EG 0320, Russia wants peace in Balkans, g (Newbury NE 10/13)
- 7130 **TAIWAN** *R Taipei Int* in EG 1210, Taiwan wants to be trade partner w/Iceland, f (Newbury 10/30)
- 7270 **ALBANIA** *R Tirana* in AL 2300, IS, ID, mainly national & regional nx, g (McGuire MD 10/19)
- 7260 **VANUATU** *RV* Vila in EG 0758, South Pacific islands mx, bird ID 0835 (Nelson OR 11/10)
- 7275nf **IRAN** *VOIRI* Teheran in AR 0136, relay of HS w/Qur'an recitation, //15084, f-p (Hill MA 11/12)

- 7295 **MALAYSIA RTVM Radio** in EG 1126-1205, oldies rx, ID, pips, TC, promo for Malaysian tourism, nx, f-p (D'Angelo FCDX-PA 11/9, Kohlbrenner FCDX-PA 11/9)
- 7345 **CZECH REPUBLIC R Prague** in EG 2345, ID, rpt on pornography, g (McGuire MD 11/4)
- 7355 **ALASKA KNLS** in RS 0600, relig pgm, Christian mx, some fading (Linonis PA 11/3)
- 7375 **BULGARIA RB Sofia** in EG 0000, IS, ID, fqys, sked, rpt on European matters, g (McGuire MD 11/3)
- 9440 **SLOVAKIA R Slovakia Int** in EG 0122, cmntry on drug problems in Slovakia, g (Fredette ONT)
- 9470 **RUSSIA V of Russia** Moscow in SP 0000, IS, ID, nx, fqys, sked, ment Kosovo (McGuire MD 10/23)
- 9475 **GERMANY AWR** relay Jülich in RS 1845, vcl rx, tlk, chorus, ID, p (Witham HI 10/13)
- 9495 **SWEDEN R Sweden** in SW 0200, ID, fqys, sked, national nx, g (McGuire MD 10/20)
- 9510 **SOUTH AFRICA TWR** relay in lang? 1950, relig tlk, Afro choral mx, ID 2000 including words "Trans World Radio", IS on bells, s/off 2030 (Brandi NJ 10/24, Findlater CA 10/22)
- 95149 **BRAZIL R Nova de Paz** Curiúba in PT 0825, nx "Informativo Marumby e Nova de Paz" (Nozaki 11/6)
- 95398 **VENEZUELA R Nacional** Caracas in SP 1148, ballad, ID's, buzzing sig, low mod (Novello NC 10/19)
- 9560 **UKRAINE RUI** in EG *0000, nx, cmntry, lcl folk mx, //6020, 5905, best sig 9560 (Alexander 10/23)
- 9560 **CANADA China R Int** relay Sackville in EG 0400, IS, ID, rpt on Russia & Pakistan (McGuire 10/18)
- 9575 **MOROCCO R Medi Un** in AR 0658, AR mx, ID, nx (Brandi NJ 9/21) FR, AR, and pop mx, many ancms in AR, no clear ID, verified by hearing same pgm on Website Real Audio (Raymond NH 11/10)
- 9580 **BOSNIA R Yugoslavia** relay in EG 0008, Yugo kids suffering due to war, g (Newbury NE 10/26)
- 9590nf? **SINGAPORE R Singapore Int** in EG 1106, politics tlks, ID's, nx, financial nx, sked 1100-1400, signal covered by China s/on 1130 (D'Angelo, Kohlbrenner, Montgomery all at FCDX-PA 11-8/9)
- 9615 **CHINA China R Int** Urumqi in HD 1615, tlks, mx, Asian vcl, ID, f, //11675 (Witham HI 10/23)
- 9615 **RWANDA Deut Welle** relay Kigali in EG 2129, African Kaleidoscope, g (D'Angelo PA 11/6)
- 9625 **CANADA CBC No Quebec Svc** in EG 2115, CBC nx re Canadian politics (Linonis PA 11/3)
- 9630 **JORDAN R Jordan** in AR 0405, Mideast vcls & instrmnts mx, f, //11810 (Witham HI 10/3)
- 9645 **THAILAND VOA** relay Udo Thani in EG 1354, tlks re So Africa & Uganda, ID (Newbury NE 10/30)
- 9655 **FINLAND YLER Finland** in EG 0305, national/regional nx, financial rpt, wx, ID (McGuire MD 11/3)
- 9675 **PAPUA NEW GUINEA NBC** Port Moresby in EG 0637, pop mx, abruptly off 0640 (Nelson OR)
- 9690 **ARGENTINA RAE** Buenos Aires in SP 2300-0000*, ID, latino mx (Findlater CA 10/22)
- 9690 **SPAIN China R Int** relay in EG 0310, nx, cmnty on world population (Newbury NE, Trescher PA)
- 9700 **INDIA AIR** Panaji Goa in HD? *1258, IS, HD vcls/mx, tlks, ID (D'Angelo, Montgomery FCDX-PA)
- 9710nf? **VIETNAM VoV** Hanoi in EG 1910, Asian nx, ID, mail, p, //13740 f (Witham HI 10/3) ED: ex-9730?
- 9745 **ECUADOR HCJB** Quito in EG 0450, interview w/Australian missionary, ID, exc (Uhler OR 11/10)
- 9770 **CANADA RCI** Sackville in EG 2110, wx rpt, temp check, sports scores, "Spectrum" (McGuire 11/11)
- 9775 **RUSSIA V of Russia** St Petersburg in EG 1840, "You Write to Moscow", f (Fraser MA 10/20)
- 9775 **BOTSWANA VOA** relay in EG 0500, nx re Mexican & Guatemalan elections, f (Findlater CA 11/7)
- 97798v **YEMEN Yemen R** in AR 2159, lively ME mx, nx 2202, Qu'ran 2207, vg (Rogers MA 10/21)
- 9810 **HUNGARY R Budapest** in HG *2358, ID, nx, ment Pakistan, Bhuto, Syria, f-p (Findlater CA 10/21)
- 9820 **CUBA RHC** in EG 0217, cmntry on sanctions against Cuba, American Summit, prospecting for oil and ecology concerns, theme mx, ID (Newbury NE 10/13, Uhler OR 11/12)
- 9835 **HUNGARY R Budapest** in EG 0330, ID, national & regional nx, DX Prgm, g (McGuire MD 11/11)
- 9880 **CZECH REPUBLIC R Prague** in EG 0710, sports results, ID, feature, p, //11600 (Witham HI 10/13)
- 9885 **SWITZERLAND SRI** Sottens in FR 2200, ID, QTH, world nx, mentioned Pakistan, g (McGuire 10/17)
- 9890test **SRI LANKA VOA** relay test in Burmese 0655, mostly tlk, brief mx, //13735 (Costello NJ 10/31)
- 9900 **EGYPT R Cairo** in EG 2150, mailbag, Egyptian personality contest (Pasquale PA 10/16, Trescher PA 9/18, Robinson TN 10/30) in EG/AR 0001, presenting basic Arabic for beginners (Newbury NE 10/26)

- 9925 **GERMANY Croatian R** via Jülich relay in EG/CR 0120, nx, fqy, sked, ID, g (McGuire MD 10/20)
- 110925 **ST HELENA R St Helena** in EG 1900-2320*, final annual one-day per year xmsn on 10/23, many ID's call-ins from around the world, E-mail and Web addresses, interview of the Governor, mix of mx, tlks, quiz questions, fqy ancmts in EG, FR, and SP, request listeners to write to UK PM asking for restoration of British citizenship to residents of St. Helena, NA, QSL info (Comeau MA, Lamb NY, D'Angelo PA, Finn PA, Brandi NJ, Rigas IL, Kohlbrenner PA, Newbury NE, Witham HI, Brouillette IL, Eramo ARG)
- 11585 **ISRAEL Kol Israel** Tel Aviv in HB 2300, phone conversation re upcoming peace tlk (Linonis PA 11/6)
- 11605 **ISRAEL Kol Israel** Tel Aviv in EG 2000, nx, security concerns in Gaza strip & West Bank, rpt on visiting British dignitary (Witham HI 10/24, poor signal, Fredette ONT, exc sig)
- 11620 **INDIA AIR** Bangalore in EG 2200, tlks re Pope's coming visit, military coup in Pakistan, India PM on nuke test ban (Linonis PA, Pasquale PA, Findlater CA, Fredette ONT, Newbury NE, Montgomery PA)
- 11660 **FRENCH GUIANA Swiss R Int** relay in GM/IT 2257, end of GM svce, into nx in IT (McGuire 11/10)
- 11675 **CHINA CRI** Kunming in EG 1209, world nx headlines, feature on arts festival, g (Hanlon PA 10/31)
- 11690 **JORDAN R Jordan** Amman in EG 1615, phone-in quiz show, nx, sked, light jazz mx, co-channel RTTY interference, pop mx "Puff the Magic Dragon" (Rogers MA, Novello NC, Newbury NE)
- 11700 **FRANCE R France Int** in FR 0305, nx on madcow disease, mx sels (Fredette ONT, Levison PA 10/5)
- 11705 **CANADA R Japan** relay in EG 0000, rpt on nuke accident & govt response, exc (Newbury NE 10/2)
- 117099v **NORTH KOREA R Pyongyang** in EG 2115, nx of Korea, ID, mx, p (Witham HI 10/16)
- 11710 **ARGENTINA RAE** in PT/EG 0150, all PT to 0200, then into EG, nx, tango mx, f (Kohlbrenner 11/9)
- 11720 **BULGARIA RB** Sofia in FR 1745, BG musical interludes, tlks in FR, f-g (Newbury NE 10/22)
- 11725nf? **LEBANON V of Hope** in EG 1712, American relig pgm, ID, f (Rogers MA 10/30)
- 117869v **IRAQ Mother of Battles Radio** in AR 1706, alternating tlk and Mideast mx, ID's, //9685 (Rogers MA) in EG 2015, mx, ID "Baghdad Radio", nx, cmntry (Brandi NJ 10/22)
- 11800 **ITALY RAI** Rome in IT 0455, IT mx, tlks, ID, g (Fair VENEZ 10/13) in EG 0050, scandal re Italians recruited for KGB, //9675, 15240 (Fraser MA 10/9) in IT 2300, IT mx, nx, dialogue (Linonis PA 11/5)
- 11805 **GREECE VOA** relay Kavalla in EG 0600, ID, "Daybreak Africa", wx rpt, sports (Findlater CA 11/7)
- 11810 **ROMANIA RRI** Bucharest in EG 0430, tlks, mx, full ID 0455, wiped out by DW *0456 (Fair 10/13)
- 11810 **JORDAN R Jordan** in AR 0415, AR mx, chants, f, also wiped out by DW *0456 (Fair VENEZ 10/13)
- 11820 **SAUDI ARABIA BSKSA** in AR 2300, AR mx, Holy Koran svce (Linonis PA 11/5, McGuire MD)
- 11880 **AUSTRALIA RA** in EG 0917, info on offshore drilling rigs & Antarctic ice sheets, vg (Fredette ONT)
- 11965 **SRI LANKA Deut Welle** relay in EG 0157, IS, ID, "Newslink" at 0205, f-p (Moats OH 11/4)
- 11920 **MOROCCO RTV Marocaine** in AR 0340, AR mx, chants, ID (Fair VENEZ 10/13, Levison PA 10/5)
- 11955 **SINGAPORE BBC** Singapore relay in EG 2300, rpt on war in Chechnya, refugees, f (Findlater CA)
- 11960 **CHINA CPBS** Beijing in CH 0600, OM & YL in dialog, f, //9675 (Findlater CA 10/21)
- 11970 **CUBA R Havana** in SP 0145, ID, tlk about Havana, f, //15230 (Witham HI 10/13)
- 11990 **KUWAIT R Kuwait** in EG 1930, history of Kuwait, pop mx, ID, nx, lesson from Koran about equality of man, tlk on self-developm't (Robinson TN, Witham HI, Newbury NE, Pasquale PA, Rogers MA)
- 12000nf **JAPAN R Japan** Tokyo in JP *1600, nx hrd under OC, //11730 vp, 12045 f, 15355 f, all fqys choppy except for 15355 -Gabon relay (Hill MA 11/7) ED: DX-Antwerp confirms 12000nf for BB-99 period.
- 12005 **UNITED ARAB EMIRATES R Dubai** in AR/EG/ 0315, AR mx, nx, NA, full ID, f (Fair 10/13)
- 12010 **RUSSIA R Maryja** Poland via Samara relay in PL 0704, tlk show, ID, hymns (Brandi NJ 9/21)
- 12090 **MADAGASCAR R Nederland** relay in EG 1428, IS, ID, fqys, TP, sked, nx, mail, f (Moats OH 10/31)

- 12130 **SOUTH AFRICA AWR** in EG 1755, relig mx, IS, ID, "The Voice of Hope" pgm (Brandt NJ 11/5)
- 13625 **SWEDEN R Sweden** in RS0105, IS, multi-ling ID, brief pgm outage, apology (Brouillette IL 10/31)
- 13630 **UNITED ARAB EMIRATES R Dubai** in AR 1650, ME vcls, mx, ID?, nx, //15395 (Witham HI 10/90)
- 13630 **INDIA AIR** Bangalore in lang 0059, IS, ID, into nx re Afghanistan (Brouillette IL 10/31)
- 13650 **THAILAND VOA** relay Udon Thani in EG 0155, nx, ID, rpt on relig freedom, g (Witham HI 10/13)
- 13670 **CANADA RCI** Sackville in FR 2200*, QTH, fqy, sked, ID, IS (McGuire MD 10/19, Uhler OR 10/12)
- 13685 **FRENCH GUIANA China R Int** relay in SP 0228, CH mx, tlk between sels, exc (Levison PA 10/5)
- 13735nf **SRI LANKA VOA** relay in Burmese 1215, tlks, Yankee Doodle 1224, //9890, first official bcst from Iranawila site (Brandt NJ 10/31) also hrd in Burmese 0655, splatter QRM (Costello NJ 10/31)
- 13750nf **INDIA AIR** Bangalore in EG 1908, editorial on political murders in Armenia, //11620 (Hanlon 10/31)
- 13750 **COSTA RICA AWR** in SP *0000, special "final broadcast", relig mx, tlks, ID (D'Angelo PA 11/2)
- 15050v **COSTA RICA RFPI** in EG 1930, "World of Radio", ID, QTH (McGuire MD 11/2, Fair VENEZ 11/9)
- 15084 **IRAN VOIRI** Teheran in Farsi? 2200, pop mx w/YL DJ (Linonis PA 11/3)
- 15120 **PHILIPPINES R Pilipinas** in EG 0320-0330*, world nx, ID, p (Witham HI 10/14) ED: Only 1 hr xmsn
- 15125 **TAIWAN CBS Taipei Int** in CH *2200, long tlks, ID, weak but clear, //11860 (Findlater CA 10/18)
- 15125 **INDONESIA RRI** Jakarta in IN 1157, vocal, SCI 1159, ID, nx, f with QRM (D'Angelo PA 11/10)
- 15135 **RWANDA Deut Welle** relay Kigali in Kisuaheli 1535, mostly tlk, mx bks, //11810, exc on 15135 but 11810 buried under ME mx. 15135 moving to 15145 on 11/1 (Treibel WA 10/27, D'Angelo PA)
- 15140 **OMAN R Oman** in lang/EG 1405, mx, pips, ID and nx in EG 1430, pop mx, HCJB QRM (Brandt NJ)
- 15150v **INDONESIA V of Indonesia** Jakarta in FR/EG 2000, switched from FR to EG 2000 w/long mx bks, nx 2004, into "Today's Commentary" on events in Germany, vg (Rugg ONT 11/10)
- 151596 **ALGERIA R Algiers Int** in EG 2010, ezl mx, nx, ID, tlk by YL, sked, fqy at 2100, closing annmts in EG 2100 and into FR, //11750 (D'Angelo FCDX, Kohlbrenner FCDX, Brouillette IL, Fredette ONT)
- 15170 **COSTA RICA REE** Spain relay in SP 2345, festive mx, ments of Cuba, IS, ID (McGuire MD 11/10)
- 15190 **PHILIPPINES R Pilipinas** in EG/lang 1845-1930*, vcls, ID, fqy, drama, g (D'Angelo FCDX-PA 11/9)
- 15200 **UZBEKISTAN Uzbek R 2** in UZ 1350, flute-led mx, vibraphone IS, annmt, tlk (Novello NC 10/20)
- 15205 **SPAIN REE** in EG 2100, nx, ID, feature re film abt the band Yardbirds (Brouillette IL 10/29)
- 15240 **SWEDEN RS** in EG 1339, tlk on Neo-Nazi problem in Sweden & Germany, g (Newbury NE 10/29)
- 15240 **MOROCCO VOA** relay in EG 1734, "Music Time in Africa", ID, "News Now", f (Moats OH 10/31) in EG 1950, "World of Music" pgm w/jazz mx, f (Fair VENEZ 11/9)
- 15280 **THAILAND BBC** relay in EG 1245, "Write Around the World", pop mx, //15220 (Hanlon PA 10/23)
- 15320 **ASCENSION ISLAND RAI** Italy relay in IT 1750-1800*, mx, interview, ID, f (McGuire MD 11/2)
- 15330 **GUAMKTWR Trans World Radio** in EG 0800, DX pgm "Pacific DX Report", g (Costello NJ 10/28)
- 15385 **SPAIN REE** in EG 0100, ID, sked, world & econ nx (McGuire MD, Fredette ONT, Newbury NE)
- 15395 **THAILAND R Thailand** in EG 0035, rpt on troubled situation in East Timor, g (Pasquale PA 10/9)
- 15435nf **SAUDI ARABIA BSKSA** in AR 1630, all AR tlks, f, //15275 also new under DW (Treibel WA 11/10)
- 15470 **RUSSIA V Of Russia** in EG 0305, nx, "Moscow Mailbag", features, ID (Otteson PA, Moats PA 11/1)
- 15505 **KUWAIT RK** in AR 1855, AR mx, ID, nx (McGuire MD) in AR 0500, chants, //15495 (Findlater CA)
- 15540 **CHINA CPBS-2** Beijing in CH *2330, dialogue, weak but audible, //15550 (Findlater CA 10/26)
- 15575 **SOUTH KOREA R Korea** in EG 0215, tlk on culture pressure from digitalization (Fredette ONT)
- 15650 **ISRAEL Kol Israel** in HB 1900, ID, ment Tel Aviv, Golan, Haifa, & Zagreb, exc (Robinson TN 10/31)
- 15775U **ICELAND ISBS** Reykjavik in IC 1248-1300*, usual actualities, quality audio, chimes (Hill MA 11/14)
- 17485 **CZECH REPUBLIC R Prague** in EG 1706-1727*, tlks re rock mx & CZ national pride (Moats 10/31)
- 17545 **ISRAEL Kol Israel** Tel Aviv in EG 1635, Mozart violin concerto by Yoyo Maa (sic) (Newbury 10/22)

- 17560nf SAUDI ARABIA BSKSA in AR 1650, Holy Koran pgm, //11785 also hrd, both weak (Treibel 11/10)
- 17565nf USA FTH Greece relay from Greenville in GK 2150, GK mx, //17705 (Delano relay) until 2200 at which time 17705 left the air but 17565 continued w/VOA programming in Creole (Treibel WA 11/11)
- 17650 ANTIGUA *Deut Welle* relay in PT 1510, EG pop mx, rpt on Berlin Wall, ID, g (Fair VENEZ 11/9)
- 17675 NEW ZEALAND R NZI in EG 0158, jazz spotlite, Andrews Sisters singing 40's mx (Uhler OR 10/11)
- 17695nf GERMANY Belgium R Vlaanderen Int relay Jülich in EG 1835, "Radio World", B99 skeds, tourism feature, "Brussels 1043" mailbag pgm, //13600 (Moats OH 10/31, Hanlon PA 10/31)
- 17825 JAPAN R Japan NHK Tokyo in EG 0300, ID, nx bulletins, fqys, sports nx, stock mkt rpt, "Asian Top News", f (Moats OH 11/1) in EG 2116, cmntry, Greg Michael walks Northern Japan, exc (Uhler 11/4)
- 17870 SOUTH AFRICA Channel Africa in EG 1335, nx, poetry festival, ID, multi-path echo, f (Fair 11/9)
- 21540nf SPAIN REE Noblejas in SP 1153, SP mx, tlks, pop mx, exc (Hanlon PA 10/31)
- 21630 ASCENSION ISLAND Ireland RTE Radio relay in EG 1830, national nx, ID, p (McGuire MD 11/2)
- 21635nf SRILANKA VOA relay Iranawila in EG *1600-1659*, ID, "VOA News Now", f-p (Moats OH 11/3)
- 21670 FINLAND YLER Finland in FN 1200, xmsn to SE Asia, IS, fqys, auto racing nx (Hanlon PA 10/31)
- 25740 GERMANY *Deut Welle* in GM 1240, GM disco pop mx, ID, IS, nx 1300, //13780 (Brandi NJ 11/4)
- 25870nf? USA WFLA Tampa Bay in EG 1518, relay of MW 970, ID, deep fades (Montgomery PA 11/8)

Clandestine, Tentatives, Presumed, or Unknown

- 62612 CLANDESTINE *Patria Libre(p)* in SP? 1131, YL shouting tk, mx segments, p (D'Angelo FCDX)
- 65204 PERU(p) R Paucartambo(t) in SP 1002, flute mx, vcls, weak sig (D'Angelo, Montgomery FCDX-PA)
- 6920 CLANDESTINE V of the Sudan in AR 0405, continuous mx pgm, short break at 0430 for 2 minutes, f-g with competing music jammer station, //8000 w/QRM (Montgomery, D'Angelo FCDX-PA 11/8)
- 69803 CLANDESTINE (Iraq) V of the People of Kurdistan in AR 1954, hrd daily since 11/11 with nx in AR 2000-2007, tk in Kurdish?, ME vcls, patriotic chorus, s/off varies 2034 to 2050, p, //4060 (Hill MA)
- 7465 USA WRMI Miami Heritage Broadcast System w/irregular pgm hrd again in EG from 0145-0159*, advocating Yahweh teachings, predicting Y2K disasters, and Anti-Jewish tk, WRMI ID, fqy at 0159 then switched to 9955 with SP ID and into R Prague broadcast at 0200 ??? (Alexander PA 10/23)
- 8000v CLANDESTINE V of the Sudan(p) in AR 0400, mostly AR tlks, some mx, f-g (Field MI 10/26)
- 9365 ARMENIA R Free Asia Kamo relay in Tibetan 0100, ID in EG, ment Vietnam, Laos (Findlater 10/27)
- 11580 MONGOLIA R Free Asia relay Ulan Bator in VT 0000, ID, ment Hanoi, China, f (Findlater CA 10/20)
- 11665 RUSSIA(p) R Tartarstan Samara in Tatar *0405-0500*, tk, regional vcl mx, pop mx, no ID heard nor any mx at sign on, f-p (Witham HI 10/13, Field MI 10/18)
- 11725 GERMANY(t) Good News World Radio relay Jülich(p) in EG 1720, ancd as V of Hope, recorded messages, biblical quotes, no ID at 1730, g (Witham HI 10/3)
- 15070 UNIDENTIFIED China R Int(?) in CH 1240-1300*, opera mx, tk, 5+1 pips at s/off (Kohlbrenner 11/8) ED: I read somewhere (but where I can't recall) that CRI may have taken over old BBC London slot.
- 15455 RUSSIA(?) R Compania?? ID in RS? at *0100, IS, into nx items (Linonis PA 11/3)

ED: Another year just about gone. Best wishes to all members for a memorable Christmas and a great Millennium. Fine turnout this month despite unusually sporadic reception conditions.



English Schedules

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0000-0015	Radio Japan	6050.0eu	6155.0eu	9665.0af	11705.0na	11815.0as
		13650.0as				
		11940.3as				
0000-0015	V. of Cambodia					
0000-0029	twhfa Radio Canada Int'l	6040.0na	9535.0am	11865.0am		
0000-0030	BBC World Service	3915.0as	5965.0as	5975.0na	6175.0na	6195.0as
		7110.0as	9410.0as	9590.0am	9915.0eu	11945.0as
		11955.0as	12095.0sa	15280.0as	15310.0as	15360.0as
		17615.0as	17790.0as			
0000-0030	Radio Cairo	9900.0am				
0000-0030	Radio Mexico Int'l	5985.0am	9705.0am			
0000-0030	Radio Thailand	9655.0af	9680.0va	11905.0af		
0000-0030	VOA	7215.0as	9890.0as	11760.0as	15185.0as	15290.0as
		17735.0pa	17820.0as			
0000-0045	All India Radio, Delhi	7410.0as	9705.0as	9950.0as	11620.0as	13625.0as
0000-0056	Radio Pyongyang	3560.0va	11845.0va	13650.1va	15230.2va	
0000-0059	Radio Canada Int'l	5960.0na	9755.0na			
0000-0100	Radio Australia	9660.0as	12080.0as	15240.0as	17580.0as	17750.0as
		17795.0as	21740.0as			
0000-0100	Radio Bulgaria	7375.0na	9400.0na			
0000-0100	twhfa VOA	5995.0am	6130.0am	7405.0am	9455.0am	9775.0am
		11695.0am	13740.0am			
0000-0100	WWCR Nashville TN	3215.0na	5070.0na	7435.0na	13845.0na	
0000-0100	WYFR Okeechobee FL	6085.0na	9505.0na			
0000-0125	Radio Netherlands	6165.0na	9845.0na			
0000-0130	Radio Kiribati	9809.9do	9825.0do			
0000-0200	FEBC Manila	15175.0as				
0000-0200	Radio Exterior de España	6055.0na				
0000-0200	a Virgin Radio	3985.0va	6180.0va	7165.0va		
0000-0200	WEWN Birmingham AL	5825.0na	9355.0eu			
0000-0200	WSHB Cypress Creek SC	7535.0al	9430.0na	15285.0am		
0000-0300	R. for Peace Int'l	6975.0va	15049.0va	21460.0uf		
0000-0400	KWHR Naalehu HI	17510.0as				
0000-0500	a SIBC Solomon Islands	5020.0do				
0000-0500	a SIBC Solomon Islands	9545.0do				
0000-0500	WHRA Greenbush ME	7580.0na				
0000-0600	CBC Northern Service	9625.0do				
0000-0600	R. MINURCA, Cen. Af. Rep	5900.0	9900.0			
0000-0600	WGTC McCaysville GA	5085.0va	6890.0uf			
0000-0600	WINB Red Lion PA	11949.9am				
0000-0630	Kenya BC Corp	4885.0do	4915.0do	4935.0do		
0000-0700	HCJB Quito Ecuador	9745.0na	12015.0na	21455.0uf		
0000-0700	Nat'l BC, Papua NG	3925.0do	4890.0do	9520.0do	9675.0do	11880.0do
0000-0800	NBC Windhoek, Namibia	3270.1af	3289.9af			
0000-0830	ABC Alice Springs	4835.0do				
0000-0830	ABC Katherine	5025.0do				
0000-0830	ABC Tennant Creek	4910.0do				
0000-1000	Caribbean Beacon	6090.0am				
0000-1000	Voice of Guyana	3289.8do	5949.4do			
0000-1000	WHRI Noblesville IN	5745.0na	7315.0sa			
0000-1000	ZLXA New Zealand	3935.0do	7290.0do			
0000-1005	Radio New Zealand Int'l	17675.0va				
0000-1100	Radio Vanuatu	3945.0do	4960.0do	7260.0do		
0000-1100	SBC Radio 1, Singapore	6150.0do				
0000-1100	WBCQ Monticello ME	7415.0na				
0000-1100	WTJC Newport NC	9370.7na				
0000-1400	KAIJ Dallas TX	5810.0va				
0000-1600	KTBN Salt Lake City UT	7510.0na				
0000-1600	RTM Radio 4, Malaysia	7295.0do				
0000-1600	WRNO New Orleans LA	7354.3na				
0010-0020	Kyrgyz Radio, Bishkek	4050.0eu				
0015-0045	a TWR Monte Carlo	6240.0as				
0015-0100	Radio Japan	6050.0eu	6155.0eu	9665.0af	11705.0na	
0030-0100	BBC English Teaching	9600.0as	15280.0as	17615.0as		
0030-0100	BBC World Service	5965.0as	5975.0na	6175.0na	6195.0as	7110.0as
		9410.0as	9590.0am	9915.0eu	11955.0as	12095.0sa
		15310.0as	15360.0as	17790.0as		
		9655.0as	11905.0as	13695.0na		
0030-0100	Radio Thailand	6120.0na				
0030-0100	Radio Vilnius, Lithuania	7215.0as	9890.0as	11760.0as	15185.0as	15290.0as
0030-0100	VOA Special English	17735.0pa	17820.0as			
0030-0130	VOIRI Teheran	6065.0ca	6135.0na	9022.0am		
0030-0430	Sri Lanka B'casting Corp.	6005.0as	9730.0as	15425.0as		
0050-0110	RAL, Rome	6010.0na	9675.0na	11800.0na		
0100-0127	Radio Prague Int'l	7345.0na	9665.0na			

0100-0127		Voice of Vietnam	5940.0na					
0100-0130		Radio Slovakia Int'l	5930.0na	7300.0ca	9440.0sa			
0100-0130		Radio Tashkent	5955.0as	5975.0as	7105.0as	7285.0as	9540.0as	
0100-0130	mtwhfa	Radio Yugoslavia	7115.0na					
0100-0130		Swiss Radio Int'l	9885.0am	9905.0am				
0100-0130	s	Universal Life, Germany	9435.0as					
0100-0130	twhfa	VOA	5995.0am	6130.0am	7405.0am	9455.0am	9775.0am	
			13740.0am					
0100-0130	m	Voice of Deliverance	6155.0na					
0100-0145		Deutsche Welle	6040.0am	6145.0am	9640.0am	9700.0na	9790.0na	
0100-0145	m	WRMI Miami FL	9955.0am					
0100-0156		China Radio Int'l	9570.0na					
0100-0200		BBC World Service	5965.0as	5975.0na	6175.0na	6195.0as	9410.0as	
			9590.0am	9915.0eu	11955.0as	12095.0sa	15280.0as	
			15310.0as	15360.0as	17790.0as			
0100-0200	s	Good News World Radio	6155.0na					
0100-0200		Overcomer Ministries	9470.0as					
0100-0200		Radio Australia	9660.0as	12080.0as	15240.0as	15415.0as	17580.0as	
			17750.0as	17795.0as	21725.0as			
0100-0200		Radio Japan	9660.0me	11860.0as	11870.0me	15325.0as	15590.0as	
			17685.0pa	17835.0sa	17845.0as	21670.0pa		
0100-0200		Radio Ukraine Int'l	5905.0eu	6020.0va	6030.0na	6080.0eu	7205.0eu	
			7420.0eu	9560.0eu	9610.0eu	9785.0na	9810.0va	
0100-0200		VOA	7115.0as	7200.0as	9740.0as	9850.0as	11705.0as	
			15250.0as	15300.0as	17740.0as	17820.0as		
0100-0200		Voice of Indonesia	9525.0va	11784.9na				
0100-0200		WYFR Okeechobee FL	6065.0na	9505.0na	15165.0as			
0100-0500		Radio Havana Cuba	6000.0na	9820.0na	11705.0uf			
0100-0500		WWCR Nashville TN	3215.0na	5070.0na	5935.0na	7435.0na		
0130-0145		Radio Tirana, Albania	6115.0na	7160.0na				
0130-0145		Voice of Africa, Libya	15235.0af	15415.0af	15435.0va			
0130-0200		Radio Sweden	9495.0as					
0130-0200		Radio Telefis Eireann	6155.0am					
0130-0200	twhfa	VOA	5995.0am	6130.0am	9455.0am			
0130-0200	twhfa	VOA Special English	7405.0am	9775.0am	13740.0am			
0140-0150		Voice of Greece	7450.0na	9375.0va	9420.0na	12105.0na		
0140-0200		Vatican Radio	7335.0au	9650.0au				
0145-0200	mtwhfa	WRMI Miami FL	9955.0am					
0200-0206	a	BBC World Service	6195.0as					
0200-0210	mtwhfa	Radio Bangladesh	4880.0as					
0200-0215	mtwhfa	WRMI Miami FL	7460.0am					
0200-0227		Radio Prague Int'l	6200.0na	7345.0na				
0200-0230		Radio Budapest	9835.0na					
0200-0230		Radio Yugoslavia	7130.0na					
0200-0245		Deutsche Welle	7285.0as	9615.0as	9765.0as	11965.0as		
0200-0256		Radio Romania Int'l	9510.0pa	9570.0na	9690.0as	11740.0as	11830.0na	
			11940.0pa					
0200-0300		BBC World Service	5975.0na	6135.0am	6175.0na	9410.0as	9770.0af	
			9915.0eu	11955.0as	12095.0sa	15280.0as	15310.0as	
			15360.0as	17790.0as				
0200-0300		Radio Cairo	9475.0am					
0200-0300		Radio Canada Int'l	6155.0am	9535.0am	9755.0na	9780.0am	11865.0am	
0200-0300		Radio Korea	7275.0as	11725.0sa	11810.0sa	15575.0am		
0200-0300		Radio Myanmar	7185.0do					
0200-0300		Radio Taipei Int'l	5950.0na	9680.0na	11825.0pa	15345.0as		
0200-0300	twhfa	RAE Buenos Aires	11710.0am					
0200-0300		VOA	7115.0as	7200.0as	9740.0as	9850.0as	11705.0as	
			15250.0as	15300.0as	17740.0as	17820.0as		
0200-0300		Voice of Russia	7180.0na	12020.0na	13665.0na	15470.0na		
0200-0300		WSHB Cypress Creek SC	5850.0af	7535.0na	9430.0na			
0200-0330		KJES Vado NM	7555.0na					
0200-0400		WYFR Okeechobee FL	6065.0na	9505.0na				
0200-0500		Radio Australia	9660.0as	12080.0as	15240.0as	15415.0as	15515.0as	
			17580.0as	17750.0as	21725.0as			
0200-1000		WEWN Birmingham AL	5825.0na					
0205-0210		Croatian Radio, Zagreb	7280.0af	9925.0na				
0215-0220		Radio Nepal, Katmandu	3230.0as	5005.3as				
0215-0300	twhfa	WRMI Miami FL	7460.0am					
0230-0245		BBC English Teaching	15405.0as	17615.0as				
0230-0257		Voice of Vietnam	5940.0na					
0230-0300		QRF Vienna	7325.0na					
0230-0300		Radio Sweden	9495.0na					
0230-0330		Radio Pilipinas, Manila	11805.0pa	15120.0pa	15270.0pa			
0245-0300		BBC English Teaching	9610.0af					
0250-0310		Vatican Radio	7305.0am	9605.0am				
0250-2210		Zambia Nat'l BC Corp.	6165.0do	6265.0do				
0300-0305		BBC World Service	3255.0af	5975.0na	6005.0af	6135.0am	6175.0na	
			6190.0af	6195.0eu	7160.0af	9410.0eu	11730.0af	
			11760.0me	11765.0af	11955.0as	12095.0af	15310.0as	
			15360.0as	17760.0as	17790.0as	21660.0as		
0300-0329		Radio Canada Int'l	6155.0na	9755.0na	9780.0na			
0300-0330		AWR Africa, Meyerton	9835.0af					
0300-0330		Channel Africa, S. Africa	9525.0af					
0300-0330		Radio Cairo	9475.0am					
0300-0330		Radio Finland	9655.0na	11665.0na				
0300-0330	sm w fa	Radio Minsk, Belarus	6070.0va	7210.0va				

0300-0330		Radio Thailand	9655.0am	11905.0am	15460.0na			
0300-0330		VOA	6035.0af	6080.0af	7105.0af	7290.0af	7340.0af	
			7415.0af	9575.0af	9885.0af			
			4960.0af					
0300-0330	mtwhf	VOA	9735.0na					
0300-0330		a Wales Radio Int'l	6045.0na	9535.0na	9640.0am	9700.0na	11750.0na	
0300-0345		Deutsche Welle	9690.0na					
0300-0356		China Radio Int'l	5054.6ca	6175.0ca	9644.7ca			
0300-0400		Faro del Caribe, C. Rica	11710.0af					
0300-0400		Overcomer Ministries	3250.0ca					
0300-0400	sm	R. Luz y Vida, Honduras	7375.0na		9400.0na			
0300-0400		Radio Bulgaria	9685.0ir	11787.0ir				
0300-0400		Radio Iraq Int'l	17825.0ca		21610.0pa			
0300-0400		Radio Japan	5950.0na		9680.0na	11745.0as	11825.0as	15345.0as
0300-0400		Radio Taipei Int'l	5940.0na		7180.0na	12020.0na	13665.0na	15470.0na
0300-0400		Voice of Russia	5850.0al		7535.0eu			
0300-0400		WSHB Cypress Creek SC	3300.0do		5955.0do			
0300-0430		Radio Cultural, Guatemala	15280.0as					
0300-0530	smtwhf	BBC World Service	3306.0do		3396.0do			
0300-0530		Zimbabwe BC Corp.	9975.0am					
0300-0600		KVOH Los Angeles CA	3356.0do		4820.0do	7255.0do		
0300-0600		Radio Botswana	6055.0do					
0300-0600		Radio Rwanda	4976.0do		5026.0do			
0300-0600		Radio Uganda	6175.0as		9750.0as	15295.0as		
0300-0800		Voice of Islam, Malaysia	6975.0va		15049.0va			
0305-0310		R. for Peace Int'l	7280.0al		9925.0na			
0305-0310	mtwhfa	Croatian Radio, Zagreb	15360.0as					
0305-0320		BBC World Service	3255.0af		5975.0na	6005.0af	6135.0am	6175.0na
0305-0330		BBC World Service	6190.0af		6195.0eu	7160.0af	9410.0eu	11730.0af
			11760.0me		11765.0af	11955.0as	12095.0af	15310.0as
			17760.0as		17790.0as	21660.0as		
0310-0315	t hfa	Kyrgyz Radio, Bishkek	4050.0do					
0310-0340		Vatican Radio	9660.0af					
0329-0359	sm	Radio Canada Int'l	6155.0na		9755.0na	9780.0na		
0330-0345		Voice of Africa, Libya	15235.0af		15415.0af	15435.0va		
0330-0357		Voice of Vietnam	7260.0na					
0330-0400		BBC World Service	3255.0af		5975.0na	6005.0af	6135.0am	6175.0na
			6190.0af		6195.0eu	7160.0af	9410.0eu	11730.0af
			11760.0me		11765.0af	11955.0as	12095.0af	15310.0as
			15420.0af		17760.0as	17790.0as	21660.0as	
0330-0400	m	La Voz Evangelica, Hond.	4819.2do					
0330-0400		Radio Budapest	9835.0na					
0330-0400		Radio Dubai, UAE	12005.0na		13675.0na	15400.0na	21485.0na	
0330-0400		Radio Sweden	9495.0na					
0330-0400		Radio Tirana, Albania	6115.0na		7160.0na			
0330-0400		VOA	6035.0af		6080.0af	7105.0af	7290.0af	7415.0af
			9575.0af		9885.0af			
0330-0430		Radio Tanzania	5050.0af					
0340-0350		Voice of Greece	7450.0na		9375.0va	9420.0na	12105.0na	
0400-0426		R. Vlaanderen Int'l	11980.0am					
0400-0427		Radio Prague Int'l	7345.0na		7460.0na	9435.0na		
0400-0429		Radio Canada Int'l	9505.0me		9645.0me			
0400-0429	mtwhf	Radio Canada Int'l	9535.0af		9690.0af	11795.0af		
0400-0430		Channel Africa, S. Africa	5955.0af					
0400-0430	s twhfa	Radio Mexico Int'l	5985.0am		9705.0am			
0400-0430		VOA	6035.0af		6080.0af	7170.0af	7290.0af	7415.0af
			9575.0af		9885.0af			
0400-0430		WRMI Miami FL	7460.0na					
0400-0445		Deutsche Welle	7280.0af		9565.0af	9765.0af	11785.0af	11965.0af
0400-0456		China Radio Int'l	9730.0na					
0400-0456		Radio Romania Int'l	9570.0na		11830.0na	15335.0as	17735.0as	
0400-0500		BBC World Service	3255.0af		3955.0eu	5975.0na	6005.0af	6135.0am
			6175.0na		6190.0af	6195.0eu	7160.0af	9410.0eu
			11760.0me		11765.0af	11955.0as	12095.0af	15310.0as
			15420.0af		15575.0as	17760.0as	17790.0as	21660.0as
0400-0500		Overcomer Ministries	15225.0me					
0400-0500		Radio Ukraine Int'l	4820.0eu		6020.0va	6030.0na	6080.0eu	7205.0eu
			7420.0eu		9600.0eu	9610.0eu	9785.0va	9810.0eu
0400-0500		Swiss Radio Int'l	9885.0am		9905.0am			
0400-0500		Voice of Russia	7125.0na		7180.0na	12010.0na	12020.0na	15470.0na
			15595.0na		17595.0na	17660.0na		
0400-0500		Voice of Turkey	6010.0va		7240.0as	21715.0as		
0400-0500		WYFR Okeechobee FL	6065.0na		9505.0na	9985.0eu		
0400-0600		Christian Voice, Zambia	6065.0do					
0400-0600		WSHB Cypress Creek SC	7535.0eu		9840.0al	12020.0af		
0400-0700		KWHR Naalehu HI	17780.0as					
0400-0900	mtwhfa	WMLK Bethel PA	9465.0eu					
0405-0410		Croatian Radio, Zagreb	7285.0al		9925.0na			
0425-0440		RAI, Rome	5975.0af		7120.0af			
0430-0445	smtwh a	WRMI Miami FL	7460.0na					
0430-0455		Radio Moldova Int'l	7500.0na					
0430-0457		Radio Prague Int'l	9865.0as		11600.0as			
0430-0500		VOA	6035.0af		6080.0af	7170.0af	7290.0af	7415.0af
			9575.0af		9885.0af			
0430-0505		TWR Swaziland	3200.0af		4775.0af			
0430-0525		Radio Netherlands	6165.0na		9590.0na			

0430-1000		Radio Nigeria	3326.0do 6050.0do 7460.0na	3970.0do 9570.0do	4770.0do	4990.0do	6025.0do
0445-0500		WRMI Miami FL	15175.2me	17835.0me	21460.1me		
0500-0504		Radio Pakistan	2390.0na	5070.0na	5935.0na		
0500-0505		WWCR Nashville TN	3210.0na				
0500-0505 sm		WWCR Nashville TN	3215.0na				
0500-0505	tw hfa	WWCR Nashville TN	9435.0va	11605.0va	17545.0au		
0500-0515		Kol Israel	5960.0af	6015.0af			
0500-0530		AWR Africa, Meyerton	15215.0af				
0500-0530		Channel Africa, S. Africa	5985.0am	9705.0am			
0500-0530	tw hfa	Radio Mexico Int'l	9655.0eu				
0500-0530		Swiss Radio Int'l	9660.0af	11625.0af	15570.0af		
0500-0530		Vatican Radio	6100.0na	6120.0na	9670.0na	11795.0na	
0500-0545		Deutsche Welle	9560.0na				
0500-0556		China Radio Int'l	3560.0eu	11710.1eu	13790.3eu		
0500-0556		Radio Pyongyang	3255.0af	3955.0eu	5975.0na	6005.0af	6175.0am
0500-0600		BBC World Service	6190.0af	6195.0eu	7160.0af	9410.0eu	9740.0as
			11760.0me	11765.0af	11955.0pa	12095.0eu	15310.0as
			15360.0as	15420.0af	15575.0as	17640.0af	17760.0as
			17790.0as	17885.0af	21660.0as		
0500-0600		Radio Australia	9660.0as	12080.0as	15240.0as	15515.0as	17580.0as
			21725.0as				
0500-0600 s	a	Radio Australia	15415.0as	17750.0as			
0500-0600		Radio Exterior de España	6055.0na				
0500-0600		Radio Japan	6110.0na	7230.0eu	9835.0na	11715.0as	11760.0as
			11840.0as	11850.0pa	15230.0pa	15590.0as	
0500-0600		VOA	5970.0af	6035.0af	6080.0af	7170.0af	7295.0af
			9700.0af	9775.0af	11825.0eu	12080.0af	15205.0as
0500-0600		Voice of Russia	7125.0na	7180.0na	7570.0as	12010.0na	12020.0na
			15470.0na	15595.0na	17595.0na	17660.0na	
0500-0600 s	tw hfa	WRMI Miami FL	7460.0na				
0500-0600		WYFR Okeechobee FL	5985.0na	9985.0eu	11550.0eu		
0500-0700		Radio Havana Cuba	9550.0na	9820.0na	9830.0uf		
0500-0700		Voice of Nigeria	7255.0af	15120.0af			
0500-0800		Radio Kuwait	15110.0as				
0500-0800		SIBC Solomon Islands	5020.0do	9545.0do			
0500-1000		Radio Kiribati	9809.9do	9825.0do			
0500-1000		Radio Liberia Int'l	5100.0do				
0500-1000		WHRA Greenbush ME	7435.0af				
0505-0510		Croatian Radio, Zagreb	7285.0af	9925.0na			
0505-0600		TWR Swaziland	3200.0af	4775.0af	9500.0af		
0505-1000		WWCR Nashville TN	2390.0na	3210.0na	5070.0na	5935.0na	
0525-0915		Ghana Broadcasting Corp.	3366.0do	4915.0do			
0530-0545		BBC English Teaching	6010.0eu	9915.0eu			
0530-0600	a	Kyrgyz Radio, Bishkek	4050.0do				
0530-0600		ORF Vienna	6015.0na	6155.0eu	13730.0eu	15410.0eu	17870.0eu
0530-0600		Radio Dubai, UAE	15435.0au	17830.0au	21605.0au	21700.0au	
0530-0600		Radio Thailand	9655.0eu	11905.0eu	15115.0eu		
0530-1630		Zimbabwe BC Corp.	5975.0do	6045.0do			
0545-0600		BBC English Teaching	7275.0af	9710.0af			
0600-0605		TWR Swaziland	4775.0af	9500.0af			
0600-0615		TWR Meyerton	11640.0af				
0600-0620		Vatican Radio	4005.0eu	5883.0eu	7250.0eu		
0600-0629		Radio Canada Int'l	5960.0na	6090.0va	6150.0eu	9670.0na	9780.0af
			11905.0af				
0600-0629	mtwhf	Radio Canada Int'l	11710.0af	13690.0af	15325.0af		
0600-0630		Channel Africa, S. Africa	15215.0af				
0600-0630		Swiss Radio Int'l	9655.0eu				
0600-0630		VOA	5970.0af	5995.0af	6035.0af	6080.0af	7170.0af
			7295.0af	11805.0af	11825.0eu	11930.0af	12080.0af
			15205.0as	15600.0af			
0600-0641		Radio Romania Int'l	9530.0na	11830.0na			
0600-0645		Deutsche Welle	6140.0eu	7225.0af	9565.0af	11785.0af	17820.0as
			21695.0me				
0600-0700		BBC World Service	3955.0eu	6005.0af	6175.0am	6190.0af	6195.0eu
			7160.0af	9410.0eu	9580.0pa	9740.0as	11760.0me
			11765.0af	11940.0af	11955.0pa	12095.0eu	15310.0as
			15360.0as	15420.0af	15575.0as	17640.0af	17760.0as
			17790.0as	17885.0af	21660.0as		
0600-0700		Overcomer Ministries	13810.0au				
0600-0700		Radio Japan	5975.0eu	7230.0eu	9835.0na	11740.0as	11840.0as
			11850.0pa				
0600-0700		Republic of Yemen Radio	9780.3me				
0600-0700		Voice of Malaysia	6175.0as	9750.0as	15295.0as		
0600-0700		Voice of Russia	15460.0au	15470.0au	15525.0au	17570.0au	21790.0au
0600-0700		WYFR Okeechobee FL	5985.0na	7355.0eu			
0600-0800		Radio Australia	9660.0as	12080.0as	15240.0as	15415.0as	15515.0as
			17580.0as	17750.0as	21725.0as		
0600-0800		SLBS, Sierra Leone	3316.0do				
0600-0800		WRMI Miami FL	7460.0na				
0600-0800		WSHB Cypress Creek SC	7535.0af	13650.0af			
0600-1300		Radio Uganda	5026.0do	7110.0do	7196.0do		
0600-1500		Christian Voice, Zambia	9865.0do				
0600-1530		Radio Botswana	7255.0do	9600.0do			
0600-1600		R. MINURCA, Cen. Af. Rep	9500.0	9900.0			

0605-0610		Croatian Radio, Zagreb	11880.0au	13820.0af				
0605-0705		TWR Swaziland	4775.0af	6100.0af	9500.0af			
0630-0645 s	a	BBC English Teaching	6010.0eu	9870.0eu				
0630-0645 s	a	Italian Radio Relay Svc	3985.0uf					
0630-0700		Georgian Radio, Tbilisi	11805.0eu					
0630-0700		ORF Vienna	6015.0na					
0630-0700	mtwhfa	V. of the Mediterranean	7150.0eu					
0630-0700		Vatican Radio	11625.0af	13765.0af	15570.0af			
0630-0700		VOA	5995.0af	7170.0af	11825.0eu	11930.0af	15205.0as	
0630-0700 s	a	VOA	5970.0af	6035.0af	6080.0af	7295.0af	11805.0af	
			12080.0af	15600.0af				
0630-1330		Kenya BC Corp	7125.0do	7150.0do	7210.0do			
0641-0656		Radio Romania Int'l	7105.0eu	9510.0eu	9530.0na	11775.0eu	11830.0na	
			15105.0eu					
0645-0700		BBC English Teaching	5875.0eu	9635.0eu				
0645-0700		Deutsche Welle	6140.0eu					
0645-0700 smtwhf		Italian Radio Relay Svc	3985.0uf					
0700-0715		BBC World Service	6005.0af	6175.0am	6190.0af	6195.0eu	9410.0eu	
			9580.0pa	9740.0as	11760.0me	11765.0af	11940.0af	
			11955.0pa	12095.0eu	15310.0as	15360.0as	15400.0af	
			15485.0eu	15565.0eu	15575.0as	17640.0eu	17760.0as	
			17790.0as	17830.0af	21660.0as			
0700-0715 s	a	BBC World Service	17885.0af					
0700-0730	a	Italian Radio Relay Svc	7120.0uf					
0700-0730		Radio Slovakia Int'l	11990.0au	15460.0au	21705.0au			
0700-0756		Radio Romania Int'l	17720.0af	21480.0af				
0700-0800		Deutsche Welle	6140.0eu					
0700-0800		KHBN Palau	9965.0as	9985.0as	15725.0as			
0700-0800		Radio Taipei Int'l	5950.0na					
0700-0800		Voice of Russia	15460.0au	15470.0au	15525.0au	17495.0au	17570.0au	
			21790.0au					
0700-0800		WYFR Okeechobee FL	7355.0eu	7520.0eu	9985.0va			
0700-0825		Voice of Malaysia	6275.0as	9750.0as	15295.0as			
0700-0830		Radio Myanmar	9730.8do					
0700-0900		HCJB Quito Ecuador	9780.0eu	11755.0pa	21455.0uf			
0700-1000		KWHR Naalehu HI	11565.0pa	17780.0as				
0700-1100		Radio Africa, Eq. Guinea	15185.0af					
0700-1100		Voice of Hope, Germany	5975.0eu					
0700-1300		Voice of Hope, Lebanon	11515.0me					
0700-2200		Nat'l BC, Papua NG	3925.0do	4890.0do				
0705-0710		Croatian Radio, Zagreb	11880.0au	13820.0af				
0705-0710	mtwhfa	Croatian Radio, Zagreb	7365.0eu	6165.0eu	9830.0eu			
0710-0715 s		Kyrgyz Radio, Bishkek	4050.0do					
0715-0730		BBC English Teaching	6005.0af					
0715-0730		BBC World Service	6175.0am	6190.0af	6195.0eu	9410.0eu	9580.0pa	
			9740.0as	11760.0me	11765.0af	11940.0af	11955.0pa	
			12095.0eu	15310.0as	15360.0as	15400.0af	15485.0eu	
			15565.0eu	17640.0eu	17760.0as	17790.0as	17830.0af	
			21660.0as					
0715-0900 s	a	BBC World Service	15575.0as	17885.0af				
0730-0745 mtwhf		Vatican Radio	4005.0eu	5883.0eu	6185.0eu	7250.0eu	9645.0af	
			11740.0eu	15595.0af				
0730-0800		BBC World Service	6175.0am	6190.0af	6195.0eu	9410.0eu	9580.0pa	
			9740.0as	11760.0me	11765.0af	11940.0af	11955.0pa	
			12095.0eu	15310.0as	15360.0as	15400.0af	15485.0eu	
			15565.0eu	17640.0eu	17760.0as	17790.0as	17830.0af	
			21660.0as					
0730-0800 t h		Georgian Radio, Tbilisi	6080.0eu					
0730-0800 s		Italian Radio Relay Svc	7120.0uf					
0730-0800		KTWR Guam	15200.0as					
0730-0800		Radio Finland	9840.0va	21670.0as				
0730-0800		Swiss Radio Int'l	9885.0af	13635.0af	17665.0af			
0740-0750		Voice of Greece	7425.0eu	9375.0eu	9420.0eu	12105.0as	17700.0au	
0745-0755 s	a	TWR Monte Carlo	9870.0eu					
0745-0755 s	a	TWR Tirana	12070.0eu					
0755-0920		TWR Monte Carlo	9870.0eu					
0755-0920		TWR Tirana	12070.0eu					
0800-0805		BBC World Service	6190.0af	9410.0eu	9580.0pa	9740.0as	11940.0af	
			11955.0pa	12095.0eu	15310.0as	15360.0as	15400.0af	
			15485.0eu	15565.0eu	17640.0eu	17760.0as	17790.0as	
			17830.0af	21660.0as	21830.0as			
0800-0826		Ñ. Viaanderen Int'l	5985.0eu					
0800-0827		Radio Prague Int'l	11600.0eu	15255.0eu				
0800-0830		Radio Australia	5995.0as	9710.0as	12080.0as	13605.0as	15515.0as	
			21725.0as					
0800-0830 s	a	Radio Australia	15415.0as	17750.0as				
0800-0845		KFBS Saipan, Marianas	15380.0as					
0800-0900 s		Amateur Radio League, SAJ		9750.0af	21530.0af			
0800-0900		Deutsche Welle	6140.0eu					
0800-0900		KNLS Anchor Point AK	9615.0as					
0800-0900		Overcomer Ministries	13810.0au					
0800-0900		R. for Peace Int'l	15049.0va					
0800-0900		Radio Korea	9570.0au	13670.0eu				
0800-0900		Voice of Indonesia	9525.0as	11784.9as				
0800-0900		Voice of Russia	9905.0au	15460.0au	15470.0au	17495.0au	21790.0au	
0800-0900		WSHB Cypress Creek SC	7535.0eu	9845.0pa				

0800-0915		KTWR Guam	15200.0as	15330.0as					
0800-0930	s	a Italian Radio Relay Svc	7120.0uf						
0800-1000		SLBS, Sierra Leone	5980.0do						
0800-1000		VOA	11995.0as	13650.0as	15150.0as				
0800-1000	tw	fa WRMI Miami FL	7460.0na						
0800-1100		KHBN Palau	9955.0as	9965.0as	9985.0as	15725.0as			
0800-1200	s	a R. for Peace Int'l	6975.0va						
0800-1430		SIBC Solomon Islands	5020.0do						
0800-1700		NBC Windhoek, Namibia	7165.0af	7215.0af					
0804-0820		Radio Pakistan	17834.9eu	21455.2eu					
0805-0810		Croatian Radio, Zagreb	13820.0au						
0805-0810	s	Croatian Radio, Zagreb	7185.0eu	7365.0eu	6165.0eu	9830.0eu			
0805-0900		BBC World Service	6190.0af	9410.0eu	9740.0as	11940.0af	11955.0pa		
			12095.0eu	15310.0as	15360.0as	15400.0af	15485.0eu		
			15565.0eu	17640.0eu	17760.0as	17830.0af	21660.0as		
			21830.0as						
0815-0900		f FEBa Seychelles	15460.0as						
0830-0900		Georgian Radio, Tbilisi	11910.0eu						
0830-0900		a ORF Vienna	21650.0as	21765.0as					
0830-0900		Radio Australia	5995.0as	9710.0as	12080.0as	13605.0as	15415.0as		
			15515.0as	17750.0as	21725.0as				
0830-0900		Swiss Radio Int'l	9885.0au	13685.0au					
0830-2130		ABC Alice Springs	2310.0do						
0830-2130		ABC Katherine	2485.0do						
0830-2130		ABC Tennant Creek	2325.0do						
0845-0945		KFBS Saipan, Marianas	11650.0as	15380.0as					
0900-0910	mt	wf BBS, Bhutan	6030.0do						
0900-0920		BBC World Service	6190.0af	6195.0as	7245.0as	9740.0as	11760.0me		
			11765.0as	11940.0af	11945.0as	11955.0pa	12095.0eu		
			15190.0sa	15310.0as	15360.0as	15400.0af	15485.0eu		
			15565.0eu	15575.0as	17640.0eu	17760.0as	17790.0as		
			17830.0af	17885.0af	21470.0af				
0900-0945		Deutsche Welle	6140.0eu	6160.0pa	11785.0af	15105.0as	15410.0af		
			15470.0as	17800.0af	17820.0as	17860.0af	21600.0af		
0900-0956		China Radio Int'l	11730.0pa	15210.0pa					
0900-1000	s	Good News World Radio	13740.0au						
0900-1000		KFBS Saipan, Marianas	11725.0as						
0900-1000	s	V. of the Mediterranean	11770.0eu						
0900-1000		Voice of Russia	9905.0au	15460.0au	15470.0au	17495.0au			
0900-1030		Radio Tanzania	5050.0af						
0900-1100		HCJB Quito Ecuador	11755.0pa	21455.0uf					
0900-1100		Radio Australia	11880.0as	13605.0as	17750.0as	21820.0as			
0900-1100		WSHB Cypress Creek SC	7535.0eu	9455.0sa					
0900-1200		R. for Peace Int'l	15049.0va						
0905-0910		Croatian Radio, Zagreb	13820.0au						
0915-0930		KTWR Guam	15330.0as						
0915-1200		Ghana Broadcasting Corp.	6130.0do						
0915-1200	s	a Ghana Broadcasting Corp.	4915.0do						
0920-0930	t	Kyrgyz Radio, Bishkek	4050.0do						
0920-0950		BBC English Teaching	7245.0as	11765.0as	11945.0as				
0920-0950	mt	wf BBC English Teaching	6195.0as	9740.0as	11955.0pa	15360.0as	17760.0as		
			21660.0as						
0920-0950		BBC World Service	6190.0af	11760.0me	11940.0af	12095.0eu	15190.0sa		
			15310.0as	15400.0af	15485.0eu	15565.0eu	15575.0as		
			17640.0eu	17790.0as	17830.0af	17885.0af	21470.0af		
0920-0950	s	a BBC World Service	6195.0as	9740.0as	11955.0pa	15360.0as	17760.0as		
			21660.0as						
0920-0950	s	TWR Monte Carlo	9870.0eu						
0920-0950	s	TWR Tirana	12070.0eu						
0930-1000		AWR Europe, Forli	7230.0eu						
0930-1000		Georgian Radio, Tbilisi	11910.0me						
0930-1000		a Italian Radio Relay Svc	7120.0uf						
0930-1000		ORF Vienna	21650.0as	21765.0as					
0930-1000		Radio Vilnius, Lithuania	9710.0eu						
0930-1100		FEBC Manila	11710.0as						
0930-1100		KTWR Guam	9865.0as						
0930-1125		Radio Netherlands	7260.0as	9790.0as	12065.0as				
0945-1000		Deutsche Welle	6140.0eu						
0945-1300		KFBS Saipan, Marianas	11650.0as	11870.0as	15380.0as				
0950-1000		BBC World Service	6190.0af	6195.0as	7245.0as	9740.0as	11760.0me		
			11765.0as	11940.0af	11945.0as	11955.0pa	12095.0eu		
			15190.0sa	15310.0as	15360.0as	15400.0af	15485.0eu		
			15565.0eu	15575.0as	17640.0eu	17760.0as	17790.0as		
			17830.0af	17885.0af	21470.0af				
1000-1015	mt	w WRMI Miami FL	7460.0na						
1000-1027		Voice of Vietnam	9837.7as	12019.5as					
1000-1029		Radio Prague Int'l	17485.0af	21745.0as					
1000-1030		BBC World Service	6190.0af	6195.0va	9740.0as	11760.0me	11940.0af		
			11955.0pa	12095.0eu	15310.0as	15360.0as	15485.0eu		
			15565.0eu	15575.0as	17640.0eu	17760.0as	17790.0as		
			17885.0af	21470.0af	21660.0as				
1000-1030	s	a Italian Radio Relay Svc	7120.0uf						
1000-1030		KSDA Guam	11560.0as						
1000-1030		Radio Nigeria	3970.0do	4770.0do	4990.0do	6025.0do	6050.0do		
			7285.0do	9570.0do					
1000-1030		Radio Televis Eireann	11740.0au						

1000-1030 S		Voice of Armenia, Yerevan	4810.0eu	15270.0eu				
1000-1056		China Radio Int'l	11730.0pa	15210.0pa				
1000-1100		All India Radio, Delhi	11585.0as 17895.0au	13700.0as	15040.0as	17485.0au	17840.0as	
1000-1100 S	a	BBC World Service	15190.0sa	15400.0af	17830.0af			
1000-1100		Deutsche Welle	6140.0eu					
1000-1100	a	Good News World Radio	5985.0eu	5995.0eu				
1000-1100		KFBS Saipan, Marianas	11840.0as					
1000-1100		Radio Japan	9695.0as	11850.0pa	15590.0as			
1000-1100		VOA	5985.0pa	6165.0am	7370.0am	9590.0am	11720.0as	
			15250.0as	15425.0as				
1000-1100		Voice of Nigeria	7255.0af	15120.0af				
1000-1100		WEWN Birmingham AL	5825.0na	7465.0eu				
1000-1100		WWCR Nashville TN	2390.0na	5070.0na	5935.0na	7435.0na		
1000-1100		WYFR Okeechobee FL	5950.0na					
1000-1300		WHRI Noblesville IN	6040.0na	9495.0sa				
1000-1500		KWHR Naalehu HI	9930.0as	11565.0pa				
1000-1800		Radio Liberia Int'l	6100.0do					
1000-2000		ZLXA New Zealand	3935.0do					
1000-2200		Caribbean Beacon	11775.0am					
1000-2200		Voice of Guyana	5949.4do					
1005-1500		Radio New Zealand Int'l	6105.0oc					
1015-1030	mtwhf	WRMI Miami FL	7460.0na					
1030-1045	mtwhf	Radio Ethiopia	5990.0do	7110.0do	9704.2do			
1030-1100		BBC World Service	6190.0af	6195.0va	9740.0as	11760.0me	11940.0af	
			11955.0pa	12095.0eu	15310.0as	15485.0eu	15565.0eu	
			15575.0as	17640.0eu	17790.0as	17885.0af	21470.0af	
1030-1100		KSDA Guam	11560.0as	11795.0as				
1030-1100		Radio Dubai, UAE	13675.0eu	15370.0eu	15395.0eu	21605.0eu		
1030-1130		Sri Lanka B'casting Corp.	11835.0as	15150.0as	17850.0as			
1030-1445		Radio Nigeria	4770.0do	4990.0do	6025.0do	6050.0do	7285.0do	
			9570.0do					
1030-1530 S	a	Radio Tanzania	5050.0af					
1100-1104		Radio Pakistan	7110.0do	17834.9eu	21455.2eu			
1100-1110	f	Kyrgyz Radio, Bishkek	4050.0do					
1100-1127		Voice of Vietnam	7285.0as					
1100-1130	mtwhf	BBC Caribbean Report	6195.0am	15220.0am				
1100-1130		BBC World Service	5965.0na	6190.0af	6195.0as	9580.0as	9740.0as	
			11760.0me	11940.0af	11955.0as	12095.0eu	15280.0as	
			15310.0as	15400.0af	15485.0eu	15565.0eu	15575.0as	
			17640.0eu	17705.0as	17790.0sa	17830.0af	17885.0af	
			21470.0af					
1100-1130 S	a	BBC World Service	6195.0na	15190.0sa	15220.0am			
1100-1130		Swiss Radio Int'l	9535.0eu	9540.0as	21770.0as			
1100-1130		VOA	5985.0pa	6110.0as	9645.0as	9760.0as	11705.0as	
			11720.0as	15250.0as	15425.0as			
1100-1130	mtwhf	VOA	13675.0af	15510.0af	17650.0af	17750.0af	21705.0af	
1100-1145		Deutsche Welle	6140.0eu	15370.0af	15410.0af	17800.0af	21780.0af	
1100-1156		Radio Pyongyang	3560.0af	9640.0af	9850.0va	9975.0af	11335.0va	
			13650.1va					
1100-1200		Radio Australia	5995.0as	6020.0as	9580.0as	12080.0as	13605.0as	
			21820.0as					
1100-1200		Radio Japan	6120.0na	9695.0as	15590.0as			
1100-1200		Voice of Asia, Taiwan	7445.0as					
1100-1200		WWCR Nashville TN	2390.0na	5070.0na	5935.0na	12160.0na		
1100-1200		WYFR Okeechobee FL	5950.0na	7355.0na	11830.0na			
1100-1215 S		Radio Vanuatu	3945.0do	4960.0do	7260.0do			
1100-1230		VOIRI Teheran	13710.0as	15395.0me	15585.0as	17665.0as	21470.0as	
1100-1300		WEWN Birmingham AL	5825.0na	15745.0eu				
1100-1300		WSHB Cypress Creek SC	6095.0am	11660.0am				
1100-1300 S	a	WWBS Macon GA	11900.0eu					
1100-1400		Radio Singapore Int'l	6150.0as	9590.0as				
1100-1600		KHBN Palau	9955.0as	9965.0as	9985.0as	13840.0as		
1100-1630		HCJB Quito Ecuador	12005.0am	15115.0am	21455.0uf			
1100-1730		Radio Jordan	11690.0va					
1115-1130		BBC English Teaching	11805.0eu	13745.0eu	15325.0eu	15340.0eu	17695.0eu	
1115-1130	mtwh	BBC English Teaching	9745.0eu	11970.0eu				
1115-1130	mtwhf	Vatican Radio	5883.0eu	9645.0eu	11740.0eu	15595.0af	21850.0af	
1115-1145		Radio Nepal, Katmandu	3230.0as	5005.3as				
1130-1135		Kol Israel	15640.0va	17535.0va				
1130-1145		Voice of Africa, Libya	15235.0af	15415.0af	15435.0va			
1130-1150	f	Vatican Radio	15595.0af	17515.0af				
1130-1157		Radio Prague Int'l	11640.0eu	21745.0af				
1130-1200	mtwhf	BBC English Teaching	15310.0as	17705.0as				
1130-1200		BBC World Service	5965.0na	6190.0af	6195.0as	9580.0as	9740.0as	
			11760.0me	11940.0af	11955.0as	12095.0eu	15220.0am	
			15280.0as	15485.0eu	15565.0eu	15575.0as	17640.0eu	
			17830.0af	17885.0af	21470.0af			
1130-1200 S	a	BBC World Service	15310.0as	17705.0as				
1130-1200		Radio Korea	9650.0na					
1130-1200		Swiss Radio Int'l	9540.0as	21770.0as				
1130-1200		VOA	5985.0pa	6110.0as	9645.0as	9760.0as	11705.0as	
			11720.0as	15250.0as	15425.0as			
1130-1200	a	Wales Radio Int'l	17650.0au					
1130-1325		Radio Netherlands	6045.0eu	9855.0eu				
1145-1200		Deutsche Welle	6140.0eu					

1145-1200 S	Italian Radio Relay Svc	7120.0uf						
1200-1204	BBC World Service	5965.0na	6190.0af	6195.0va	9515.0na	9580.0as		
		9740.0as	11760.0me	11940.0af	11955.0as	12095.0eu		
		15220.0am	15280.0as	15310.0as	15485.0eu	15565.0eu		
		15575.0as	17640.0eu	17705.0as	17830.0af	17885.0af		
		21470.0af						
1200-1215	BBC English Teaching	7135.0as	11835.0as					
1200-1215 S	Kyrgyz Radio, Bishkek	4050.0do						
1200-1215	Radio Voice of Lebanon	873.0do						
1200-1215	V. of Cambodia	11940.3as						
1200-1220	Radio Almaty, Kazakhstan	9620.0eu	11840.0eu					
1200-1229	Radio Canada Int'l	6150.0as	11730.0as					
1200-1230	Radio Tashkent	5060.0as	5975.0as	6025.0as	9715.0as			
1200-1230	Voice of Mongolia	12085.0au						
1200-1256	China Radio Int'l	7265.0pa	9715.0as	11675.0pa	11980.0as	15415.0as		
1200-1300	Deutsche Welle	6140.0eu						
1200-1300 S	Italian Radio Relay Svc	7120.0uf						
1200-1300	KFBS Saipan, Marianas	11550.0as						
1200-1300	Radio Bulgaria	15700.0eu	17500.0eu					
1200-1300 mtwhf	Radio Canada Int'l	9640.0na	13650.0na	17710.0na				
1200-1300	Radio France Int'l	11670.0eu	15155.0eu	15195.0eu	15540.0af			
1200-1300	Radio Taipei Int'l	7130.0as	9610.0au					
1200-1300	Radio Ukraine Int'l	9870.0na	15520.0na					
1200-1300	VOA	6110.0as	9645.0as	9760.0as	9780.0as	11705.0as		
		11715.0as	15425.0as	17820.0as				
1200-1300	WWCR Nashville TN	5070.0na	5935.0na	7435.0na	12160.0na			
1200-1300	WYFR Okeechobee FL	5950.0na	7355.0na	11830.0na	11970.0na			
1200-1330	Radio Australia	5995.0as	6020.0as	9580.0as	11650.0as	21820.0as		
1200-1700	Ghana Broadcasting Corp.	4915.0do	6130.0do					
1200-1800	SLBS, Sierra Leone	5980.0do						
1200-2400	CBC Northern Service	9625.0do						
1200-2400	R. for Peace Int'l	15049.0va	21460.0uf					
1200-2400	WTJC Newport NC	9370.7na						
1204-1216 mtwhf	BBC Caribbean Report	6195.0am	15220.0am					
1204-1216	BBC World Service	5965.0na	6190.0af	6195.0as	9515.0na	9580.0as		
		9740.0as	11760.0me	11940.0af	11955.0as	12095.0eu		
		15280.0as	15310.0as	15485.0eu	15565.0eu	15575.0as		
		17640.0eu	17705.0as	17830.0af	17885.0af	21470.0af		
		6195.0na	15220.0am					
1204-1216 S	BBC World Service	17595.0as						
1215-1300	Radio Cairo	5965.0na	6190.0af	6195.0va	9515.0na	9580.0as		
1216-1300	BBC World Service	9740.0as	11760.0me	11940.0af	11955.0as	12095.0eu		
		15220.0am	15280.0as	15310.0as	15485.0eu	15565.0eu		
		15575.0as	17640.0eu	17705.0as	17830.0af	17885.0af		
		21470.0af						
1220-1240 w	Radio Almaty, Kazakhstan	9620.0eu	11840.0eu					
1225-1230 smtwh	BBC English Teaching	7140.0me	11820.0me	13660.0af	15180.0af	15555.0me		
		17585.0af						
1230-1240	BBC English Teaching	5875.0eu	9635.0eu	9745.0eu	11680.0eu	11895.0eu		
		13670.0eu	15105.0af	15260.0eu	15325.0eu	17555.0af		
		17610.0eu	21640.0af					
1230-1240 smtwh	BBC English Teaching	7140.0me	11820.0me	13660.0af	15180.0af	15555.0me		
		17585.0af						
1230-1256	R. Viaanderen Int'l	9925.0eu						
1230-1257	Radio Prague Int'l	6055.0eu	21745.0au					
1230-1257	Voice of Vietnam	9840.0as	12019.5as					
1230-1300	AWR Europe, Forli	7230.0eu						
1230-1300	KSDA Guam	15330.0as						
1230-1300	Radio Bangladesh	7185.0as	9548.0as					
1230-1300	Radio Sweden	18960.0na	21810.0am					
1230-1300	Radio Thailand	9655.0as	9810.0as	11905.0as				
1230-1630	Sri Lanka B'casting Corp.	9730.0as	15425.0as					
1240-1245	BBC English Teaching	5875.0eu	9635.0eu	9745.0eu	11680.0eu	11895.0eu		
		13670.0eu	15105.0af	15260.0eu	15325.0eu	17555.0af		
		17610.0eu	21640.0af					
1240-1250	Voice of Greece	15630.0af						
1240-1300 t	Radio Almaty, Kazakhstan	9620.0eu	11840.0eu					
1245-1300	BBC English Teaching	5875.0eu	9635.0eu	9745.0eu	11680.0eu	11895.0eu		
		13670.0eu	15260.0eu	15325.0eu	17610.0eu			
1300-1315 smtwhf	WRMI Miami FL	9955.0am						
1300-1329	Deutsche Welle	6140.0eu						
1300-1330	Radio Cairo	17595.0as						
1300-1330	Radio Canada Int'l	9640.0na	13650.0na	17710.0na				
1300-1330	Swiss Radio Int'l	9535.0eu						
1300-1330 S	Universal Life, Germany	9955.0na						
1300-1330	VOA	6110.0as	9355.0as	9645.0as	9760.0as	11705.0as		
		11715.0as	15425.0as	21665.0as				
1300-1355	Radio Polonia, Warsaw	6095.0eu	7270.0eu	9525.0eu	11820.0eu			
1300-1356	China Radio Int'l	7405.0as	9570.0na	11675.0pa	11900.0pa	11980.0as		
		15180.0as						
1300-1356	Radio Romania Int'l	11940.0eu	15335.0na	15390.0eu	17806.8na			
1300-1400	BBC World Service	5965.0na	6190.0af	6195.0va	9515.0na	9580.0as		
		9590.0na	9740.0as	11760.0me	11940.0af	12095.0eu		
		15220.0am	15310.0as	15420.0af	15485.0eu	15565.0eu		
		15575.0as	17640.0eu	17705.0as	17830.0af	17885.0af		
		21470.0af						
1300-1400	a Good News World Radio	15190.0as						

1300-1400		KNLS Anchor Point AK	7365.0as						
1300-1400		Radio Korea	9570.0as	9640.0om	13670.0as				
1300-1400		WSHB Cypress Creek SC	9430.0am	9455.0na					
1300-1400		WWCR Nashville TN	5070.0na	7435.0na	13845.0na	15685.0na			
1300-1400		WYFR Okeechobee FL	11550.0as	11970.0na	11830.0na	11740.0na	13695.0na		
1300-1500	s	Channel Africa, S. Africa	11720.0af	17780.0af	21530.0af				
1300-1500		FEBC Manila	11995.0as						
1300-1500	mtwhf	WGTC McCaysville GA	9400.0va	12170.0uf					
1300-1530		KFBS Saipan, Marianas	11650.0as	11870.0as	12160.0as				
1300-1600		WEWN Birmingham AL	11875.0na	15745.0as					
1300-1600		WHRI Noblesville IN	6040.0na	15105.0sa					
1300-1800		Voice of Hope, Lebanon	6280.0me	11530.0va					
1300-2100		Radio Uganda	4976.0do	5026.0do					
1305-1310		Croatian Radio, Zagreb	7185.0eu	7365.0eu	6165.0eu	9830.0eu			
1315-1325	mtwhf	BBS, Bhutan	5030.0do						
1315-1500	s	WRMI Miami FL	9955.0am						
1330-1345		BBC English Teaching	15105.0af	17810.0af	21640.0af				
1330-1357		Voice of Vietnam	7145.0eu	9730.0eu					
1330-1400		KSDA Guam	11705.0as	11750.0as					
1330-1400		ORF Vienna	6155.0eu	13730.0va	21650.0va	21765.0va			
1330-1400		Radio Australia	5995.0as	6020.0as	9500.0as	9580.0as	11650.0as		
			11660.0as	21820.0as					
1330-1400		Radio Canada Int'l	6150.0as	9535.0as	9640.0na	13650.0na	17710.0na		
1330-1400		Radio Dubai, UAE	13630.0eu	13675.0eu	15395.0eu	21605.0eu			
1330-1400		Radio Sweden	9425.0as	17870.0as					
1330-1400		Radio Tashkent	5060.0as	5975.0as	6025.0as	9715.0as	11905.0as		
			15295.0as	17775.0as					
1330-1400		Radio Yugoslavia	11835.0au						
1330-1400		VOA	6110.0as	9355.0as	9645.0as	9760.0as	11705.0as		
			15425.0as	21665.0as					
1330-1430		Voice of Turkey	15295.0as	17815.0eu					
1330-1500		All India Radio, Delhi	9545.0as	11620.0as	13710.0as				
1330-1630		Voice of Hope, Germany	15715.0as						
1330-2400		Kenya BC Corp	4885.0do	4915.0do	4935.0do				
1345-1405		Vatican Radio	15500.0au	17515.0au					
1400-1415	mtwhf	BBC English Teaching	11860.0af	15420.0af	21490.0af				
1400-1427		Voice of Vietnam	1242.0do						
1400-1429		Radio Prague Int'l	21745.0va						
1400-1430		Radio Australia	5995.0as	6180.0as	9500.0as	9580.0as	11650.0as		
			11660.0as						
1400-1430	smtwhf	Radio Canada Int'l	9640.0na	17710.0na					
1400-1430	mtwhf	Radio Canada Int'l	13650.0na						
1400-1430	s	Radio Canada Int'l	13655.0na						
1400-1430		Radio Thailand	7145.0as	9655.0as	11905.0as				
1400-1430	s	Universal Life, Germany	9710.0eu						
1400-1456		China Radio Int'l	7405.0as	9700.0as	11675.0as	11825.0as	13685.0af		
			15110.0as	15125.0af	15360.0				
1400-1500		BBC World Service	5990.0as	6190.0af	6195.0as	9515.0na	9590.0na		
			9740.0as	11940.0af	12095.0eu	15220.0na	15310.0as		
			15485.0eu	15565.0eu	15575.0as	17630.0as	17640.0eu		
			17830.0af	17840.0am	21470.0af	21660.0af			
1400-1500		Radio France Int'l	11610.0as	17560.0va	17620.0as				
1400-1500		Radio Japan	9505.0na	11730.0as	11880.0me				
1400-1500		Radio Sultanate Oman	15140.0eu						
1400-1500		Swiss Radio Int'l	12010.0as	15185.0as					
1400-1500		VOA	6110.0as	7125.0as	7215.0as	9645.0as	9760.0as		
			11705.0as	15205.0as	15395.0as	15425.0as	21840.0as		
1400-1500		WYFR Okeechobee FL	11550.0as	11740.0na	11830.0na	17760.0na			
1400-1600		KJES Vado NM	11715.0na						
1400-1600		SBC Radio 1, Singapore	6150.0do						
1400-1600	a	Virgin Radio	9605.0va	13640.0va	15510.0va				
1400-2200		WWCR Nashville TN	9475.0na	12160.0na	13845.0na	15685.0na			
1400-2400		KAIJ Dallas TX	13815.0va						
1410-1420		Voice of Greece	9425.0eu	15630.0eu					
1415-1420		Radio Nepal, Katmandu	3230.0as	5005.0as					
1430-1500		KSDA Guam	9355.0as						
1430-1500		Radio Canada Int'l	11740.0va	17820.0af					
1430-1500	smtwhf	Radio Canada Int'l	9640.0na	17710.0na					
1430-1500	mtwhf	Radio Canada Int'l	13650.0na						
1430-1500	s	Radio Canada Int'l	13655.0na						
1430-1500		Radio Sweden	13800.0va	18960.0na	21810.0am				
1430-1530		Radio Australia	5995.0as	6180.0as	9580.0as	11650.0as	11660.0as		
1430-1600		Radio Myanmar	5985.0do						
1430-1625		Radio Netherlands	12070.0as	12090.0as	15590.0as				
1430-1630		KTWR Guam	15330.0as						
1445-1600		Radio Nigeria	3970.0do	4770.0do	4990.0do	6025.0do	6050.0do		
			7285.0do	9570.0do					
1500-1530		BBC World Service	5975.0as	5990.0as	6190.0af	6195.0as	9410.0eu		
			9515.0na	9590.0na	9740.0as	11860.0af	11940.0af		
			12095.0eu	15220.0na	15310.0as	15400.0af	15420.0af		
			15485.0eu	15565.0eu	17630.0as	17830.0af	17840.0am		
			21470.0af	21490.0af	21660.0af				
1500-1530		Channel Africa, S. Africa	17770.0af						
1500-1530		Kol Israel	15650.0va	17535.0va					
1500-1530		Radio Mexico Int'l	5985.0am	9705.0am					
1500-1530	s	VOA Special English	1575.0as						

1500-1556		China Radio Int'l	7160.Oas	7405.Oas	9785.Oas	13685.Oaf	15125.Oaf	
1500-1556		Radio Pyongyang	3560.Oaf	9640.Oaf	9975.Oaf	11335.Ova	11735.Ova	
			13650.lva					
1500-1600		FEBA Seychelles	11600.Oas					
1500-1600		Radio Canada Int'l	6185.Oas					
1500-1600		Radio Japan	7200.Oas	9505.Ona	9750.Oas	11730.Oas		
1500-1600		VOA	7125.Oas	9725.Oas	9575.Oas	9645.Oas	15205.Oas	
			15340.Oas	15395.Oas				
1500-1600		VOA Special English	6110.Oas	9760.Oas	9845.Oas	12040.Oas	15460.Oas	
1500-1600		Voice of Russia	9800.Oas	9875.Oas	11500.Oas	11695.Oas		
1500-1600	mtwhf	WGTC McCaysville GA	9400.Ova					
1500-1600	mtwhfa	WGTC McCaysville GA	12170.Ouf					
1500-1600		WYFR Okeechobee FL	11830.Ona	17760.Ona				
1500-1630	s	Radio Canada Int'l	9640.Ona	13655.Ona	17710.Ona			
1500-1650		Radio New Zealand Int'l	6145.Ooc					
1500-1700		Voice of Nigeria	7255.Oaf	15120.Oaf				
1500-2000		KWHR Naalehu HI	9930.Oas					
1500-2200		Christian Voice, Zambia	4965.Odo					
1530-1540		Radio Bangladesh	4880.Oas	15520.Oas				
1530-1545		BBC English Teaching	11685.Oas	15545.Oas				
1530-1557		Voice of Vietnam	1242.Odo					
1530-1600		BBC World Service	5975.Oas	5990.Oas	6190.Oaf	6195.Oas	9410.Oeu	
			9515.Ona	9590.Ona	9740.Oas	11940.Oaf	12095.Oeu	
			15220.Ona	15310.Oas	15400.Oaf	15485.Oeu	15565.Oeu	
			17630.Oas	17830.Oaf	17840.Oam	21470.Oaf	21660.Oaf	
			9465.Oas	11870.Oas				
1530-1600		KFBS Saipan, Marianas						
1530-1600		KSDA Guam	11930.Oas					
1530-1600		Voice of Mongolia	9720.Oas	12085.Oas				
1530-1630		VOIRI Teheran	7245.Oas	9885.Oas	11775.Oas			
1530-1700		Radio Australia	5995.Oas	6180.Oas	9500.Oas	9580.Oas	11650.Oas	
			11660.Oas					
1530-1800		Radio Botswana	3356.Odo	4820.Odo	7255.Odo			
1530-1915		Radio Tanzania	5050.Oaf					
1545-1600	s	Radio Bangladesh	4880.Oas	15520.Oas				
1550-1610	s	Vatican Radio	9865.Oau	13765.Oau	15500.Oau			
1600-1605	h	BBC World Service	3915.Oas	5975.Oas	5990.Oas	6190.Oaf	6195.Oas	
			7160.Oas	9410.Oeu	9515.Ona	9740.Oas	11940.Oaf	
			12095.Oeu	15310.Oas	15400.Oaf	15565.Oeu	17630.Oas	
			17830.Oaf	17840.Oam	21470.Oaf	21660.Oaf		
			11570.lme	15100.2me	15335.Oaf	17491.7me	17720.Oaf	
1600-1615		Radio Pakistan	9525.Oaf					
1600-1630		Channel Africa, S. Africa	9465.Oas	12005.Oas				
1600-1630		KFBS Saipan, Marianas	17865.Ona					
1600-1630		ORF Vienna	5985.Oam	9705.Oam				
1600-1630	s	Radio Mexico Int'l	15105.Oaf					
1600-1630		Universal Life, Germany	13630.Oeu	13675.Oeu	15395.Oeu	21605.Oeu		
1600-1635		Radio Dubai, UAE	6140.Oeu	6170.Oas	7225.Oas	9735.Oaf	11785.Oaf	
1600-1645		Deutsche Welle	15145.Oaf	15380.Oas	17800.Oaf	17810.Oas	21780.Oaf	
			9565.Oaf	9870.Oaf				
1600-1656		China Radio Int'l	15105.Oaf					
1600-1700	a	Good News World Radio	9355.Oas	11920.Oas				
1600-1700		KSDA Guam	6010.Oeu	13810.Ome				
1600-1700		Overcomer Ministries	11715.Ova	15160.Ova				
1600-1700		Radio Algiers	5990.Oaf	7110.Oaf	7165.Oaf	9560.Oaf	9704.2af	
1600-1700		Radio Ethiopia	11800.Oaf					
1600-1700		Radio France Int'l	11615.Oaf	11995.Oaf	12015.Oaf	15210.Oaf	17850.Oaf	
1600-1700		Radio Korea	5975.Oom	9515.Oaf	9870.Oaf			
1600-1700		Radio Nigeria	3970.Odo	4770.Odo	4990.Odo	6025.Odo	6050.Odo	
			9570.Odo					
1600-1700		VOA	6035.Oaf	6110.Oas	7125.Oas	7215.Oas	9575.Oas	
			9645.Oas	9760.Oas	11920.Oaf	12040.Oaf	13710.Oaf	
			15205.Oas	15225.Oaf	15240.Oaf	15395.Oas	21635.Oas	
1600-1700		VOA Special English	13600.Oaf	15445.Oaf	17895.Oaf			
1600-1700		Voice of Russia	4940.Ome	4965.Ome	4975.Ome	7305.Oas	12055.Ome	
1600-1700		WYFR Okeechobee FL	11830.Ona	15215.Ona	15695.Oeu	17510.Oeu	17760.Ona	
			21525.Oaf					
1600-1745		TWR Swaziland	9500.Oaf					
1600-1800		KHBN Palau	9955.Oas	9965.Oas				
1600-1800	a	Virgin Radio	3965.Ova	9655.Ova	13640.Ova			
1600-1800		WHRI Noblesville IN	13760.Ona	15105.Osa				
1600-1800		WSHB Cypress Creek SC	18910.Oaf					
1600-2100		Radio Rwanda	6055.Odo					
1600-2200		WEWN Birmingham AL	11875.Ona	13615.Ona	15745.Oeu			
1600-2300		WGTC McCaysville GA	9400.Ova	12170.Ouf				
1600-2300		WHRA Greenbush ME	17650.Oaf					
1600-2300		WRNO New Orleans LA	7394.3na	15420.Oaf				
1600-2400		KTBN Salt Lake City UT	15590.Ona					
1600-2400		R. MINURCA, Cen. Af. Rep	5900.0	9900.0				
1605-1615		BBC World Service	3915.Oas	5975.Oas	6190.Oaf	6195.Oas	7160.Oas	
			9410.Oeu	9515.Ona	9740.Oas	11940.Oaf	12095.Oeu	
			15310.Oas	15400.Oaf	15565.Oeu	17630.Oas	17830.Oaf	
			17840.Oam	21470.Oaf	21660.Oaf			
			5990.Oas					
1605-1615	mtwhf	BBC World Service	3915.Oas	5975.Oas	6190.Oaf	6195.Oas	7160.Oas	
1615-1630		BBC World Service	9410.Oeu	9515.Ona	9740.Oas	11940.Oaf	12095.Oeu	
			15310.Oas	15400.Oaf	15420.Oaf	15565.Oeu	17630.Oas	

1615-1630	a	BBC World Service	17830.0af	17840.0am	21470.0af	21660.0af			
1630-1645		BBC World Service	11860.0af						
			3915.0as	5975.0as	6190.0af	6195.0as	7160.0as		
			9410.0eu	9740.0as	11940.0af	12095.0eu	15310.0as		
			15400.0af	15420.0af	15565.0eu	17630.0as	17830.0af		
			17840.0am	21470.0af	21660.0af				
1630-1645	a	BBC World Service	9515.0na	11860.0af					
1630-1645		Radio Cairo	11875.0af	15255.0af					
1630-1645		Radio Tirana, Albania	7210.0eu	9755.0eu					
1630-1657		Voice of Vietnam	7145.0eu	9730.0eu					
1630-1659		Radio Canada Int'l	6140.0as	7150.0as					
1630-1659	s	Radio Canada Int'l	9640.0na	13655.0na	17710.0na				
1630-1700		FEBA Seychelles	11605.0as						
1630-1700		Georgian Radio, Tbilisi	6180.0me						
1630-1900		KFBS Saipan, Marianas	9465.0as						
1630-2200		Zimbabwe BC Corp.	3306.0do	4828.0do					
1645-1700		BBC World Service	3915.0as	5975.0as	6190.0af	6195.0as	7160.0as		
			9410.0eu	9740.0as	11940.0af	12095.0eu	15310.0as		
			15400.0af	15420.0af	15565.0eu	17630.0as	17830.0af		
			17840.0am	21470.0af	21660.0af				
1645-1700	a	BBC World Service	9515.0na						
1645-1700	sm w fa	BBC World Service	11860.0af						
1645-1700		Deutsche Welle	6140.0eu						
1645-1830		Radio Cairo	15255.0af						
1650-1750	mtwhf	Radio New Zealand Int'l	11675.0va						
1700-1727		Radio Prague Int'l	5930.0eu	17485.0af					
1700-1730		BBC World Service	3255.0af	3915.0as	5975.0as	6005.0af	6190.0af		
			6195.0eu	7160.0as	9410.0eu	9510.0as	9630.0af		
			9740.0as	11980.0me	12095.0eu	15400.0af	15420.0af		
			17830.0af	17840.0na					
1700-1730		Channel Africa, S. Africa	17870.0af						
1700-1730		Radio France Int'l	11615.0af	15210.0af					
1700-1730		Voice of Shariah, Afghan.	4774.0do	7077.8do					
1700-1756		China Radio Int'l	5220.0af	7405.0af	9570.0af	9745.0 l	1910.0af 1		
			5300.0af						
1700-1756		Radio Romania Int'l	9625.0eu	11740.0eu	11940.0eu	15365.0eu			
1700-1800		Deutsche Welle	6140.0eu						
1700-1800	a	Good News World Radio	15105.0me						
1700-1800	mtwhf	Merlin Network One	6185.0eu						
1700-1800		Radio Australia	5995.0as	6180.0as	9500.0as	9580.0as	9660.0as		
			11880.0as						
1700-1800		Radio Japan	9825.0as	12000.0eu	15355.0af				
1700-1800		VOA	6040.0af	6110.0as	7125.0as	7215.0as	9645.0as		
			9760.0as	11920.0af	12040.0af	15205.0as	15240.0af		
			15395.0as	15445.0af	17895.0af	21510.0af			
1700-1800	mtwhf	VOA	5990.0as	6045.0as	9525.0as	9670.0as	9795.0as		
			11955.0as	12005.0as	15255.0as				
1700-1800		Voice of Hope, Germany	11725.0af						
1700-1800		Voice of Russia	5935.0me	7445.0me	9470.0me				
1700-1800		WYFR Okeechobee FL	15695.0eu	17510.0eu					
1700-2000		WINB Red Lion PA	13800.0eu						
1700-2030		Radio Nigeria	3326.0do	3970.0do	4770.0do	4990.0do	6025.0do		
			6050.0do	9570.0do					
1700-2100		Overcomer Ministries	3965.0eu						
1700-2200	smtwhf	WMLK Bethel PA	9465.0eu						
1700-2300		Radio Africa, Eq. Guinea	5003.7af	7190.0af	15185.0af				
1700-2400		Ghana Broadcasting Corp.	3366.0do	4915.0do					
1700-2400		NBC Windhoek, Namibia	3270.1af	3289.9af					
1715-1730		Vatican Radio	4005.0eu	5883.0eu	7250.0eu	9645.0eu	15595.0eu		
1720-1750	fa	TWR Monte Carlo	7375.0as						
1730-1745		BBC English Teaching	3390.0af	5875.0eu	6070.0af	7155.0eu	9520.0af		
			9530.0eu	11770.0eu					
1730-1745		BBC World Service	3255.0af	3915.0as	5975.0as	6005.0af	6190.0af		
			6195.0eu	7160.0as	9410.0eu	9510.0as	9630.0af		
			9740.0as	11980.0me	12095.0eu	15400.0af	15420.0af		
			17830.0af	17840.0na					
1730-1745	mtwh	TWR Swaziland	3200.0af						
1730-1745		Voice of Africa, Libya	15235.0af	15415.0af	15435.0va				
1730-1800		AWR Africa, Meyerton	12130.0af						
1730-1800	s	BBC World Service	5985.0as	7390.0as	9750.0as	11660.0as			
1730-1800		KSDA Guam	11560.0as	11965.0as					
1730-1800		ÖRF Vienna	6155.0va	9655.0eu	13710.0as	13730.0va			
1730-1800		Radio Slovakia Int'l	5915.0eu	6055.0eu	7345.0as				
1730-1800		Vatican Radio	13765.0af	15570.0af	17515.0af				
1730-1830		Radio Netherlands	6020.0af	11655.0af					
1730-1930		Radio Pilipinas, Manila	11730.0pa	11890.0pa	15190.0pa				
1735-1745	t h	R. Nacional Paraguay	9737.5sa						
1745-1800		BBC English Teaching	5875.0eu	7155.0eu	9530.0eu	11770.0eu			
1745-1800		BBC World Service	3255.0af	3915.0as	5975.0as	6190.0af	6195.0eu		
			7160.0as	9410.0eu	9510.0as	9740.0as	11980.0me		
			12095.0eu	15400.0af	15420.0af	17830.0af	17840.0na		
1745-1830		TWR Swaziland	3200.0af	9500.0af					
1745-1900		Radio Bangladesh	7185.0eu	7462.6eu	9548.0eu	15520.0eu			
1745-1945		All India Radio, Delhi	7410.0eu	9650.0af	9950.0eu	11620.0eu	11935.0af		
			13750.0af	15075.0af	15200.0af				
1750-1800	mtwh	Radio New Zealand Int'l	17675.0va						
1750-1800	f	Radio New Zealand Int'l	11675.0va						

1800-1810		Voice of Greece	7450.0eu	9425.0eu	17565.0sa	17705.0sa		
1800-1815		BBC English Teaching	6060.0as	9605.0as				
1800-1827		Radio Prague Int'l	5930.0eu	7315.0va				
1800-1827		Voice of Vietnam	7145.0eu	7440.0eu	9730.0eu			
1800-1830		AWR Africa, Meyerton	5960.0af	6100.0af				
1800-1830		Channel Africa, S. Africa	17870.0af					
1800-1830		Georgian Radio, Tbilisi	11910.0eu					
1800-1830	s	Universal Life, Germany	11840.0af					
1800-1830		Voice of Azerbaijan	9165.0eu					
1800-1850	mtwhf	Radio New Zealand Int'l	17675.0va					
1800-1855		Radio Polonia, Warsaw	6000.0eu	7285.0eu				
1800-1856		Radio Pyongyang	4405.0eu	6575.0eu	9335.2eu	11710.1na	13760.2na	
1800-1900	m	Amateur Radio League, SA		3215.0af				
1800-1900		BBC World Service	3255.0af	3955.0eu	5975.0as	6190.0af	6195.0eu	
			9410.0eu	9510.0as	9740.0pa	11980.0me	12095.0eu	
			15400.0af	15420.0af	17830.0af	17840.0na		
1800-1900		Deutsche Welle	6140.0eu					
1800-1900		KHBN Palau	9965.0as					
1800-1900		R. Omdurman, Sudan	7200.0do	9200.0do	9505.0do			
1800-1900		Radio Taipei Int'l	3965.0eu					
1800-1900	mtwhf	RAE Buenos Aires	15345.0eu					
1800-1900		Republic of Yemen Radio	9780.3me					
1800-1900		VOA	6035.0af	6040.0af	9760.0as	11920.0af	11975.0af	
			13710.0af	15240.0af	15580.0af			
1800-1900		Voice of Russia	5940.0eu	5965.0eu	9340.0eu	9480.0eu	9890.0eu	
			11510.0af					
1800-1900		WYFR Okeechobee FL	15695.0eu					
1800-1930		Italian Radio Relay Svc	3985.0uf					
1800-2000		Radio Australia	6080.0as	7240.0as	9500.0as	9580.0as	9660.0as	
			11880.0as					
1800-2000		WHRI Noblesville IN	9495.0sa	13760.0na				
1800-2000		WSHB Cypress Creek SC	15665.0eu	18910.0af				
1800-2100		Radio Kuwait	11990.0va					
1800-2200		Radio Botswana	3356.0do	4820.0do				
1800-2400		Radio Liberia Int'l	5100.0do					
1800-2400		SLBS, Sierra Leone	3316.0do					
1830-1845	m w	BBC English Teaching	6050.0eu	7265.0eu	9685.0eu			
1830-1856		R. Vlaanderen Int'l	5910.0eu	9925.0eu	13600.0eu	17695.0af		
1830-1900	s	Georgian Radio, Tbilisi	6080.0eu					
1830-1900	mtwhf	Radio Sweden	6065.0eu					
1830-1900	s	Radio Sweden	7345.0eu					
1830-1900		Radio Telefis Eireann	13640.0na	21630.0af				
1830-1900	s	VOA	9845.0af	13675.0af	15445.0af			
1830-2000		Sri Lanka B'casting Corp.	6005.0as					
1830-2015		TWR Swaziland	3200.0af					
1830-2025		Radio Netherlands	6020.0af	9895.0af	11655.0af	13700.0af	17605.0af	
1830-2400		Radio Kiribati	9809.9do	9825.0do				
1840-1850		Voice of Greece	12105.0af	15630.0af				
1850-2400		Radio New Zealand Int'l	17675.0va					
1900-1915		BBC English Teaching	15105.0af	17885.0af				
1900-1927		Voice of Vietnam	7145.0eu	9730.0eu				
1900-1930		VOA	6035.0af	7415.0af	9525.0pa	9760.0as	11870.0pa	
			11920.0af	11975.0af	13710.0af	15180.0pa	15240.0af	
			15580.0af					
1900-1930	a	VOA	4950.0af					
1900-1945		Deutsche Welle	11765.0af	11785.0af	11810.0af	13610.0af	15135.0af	
			15390.0af	17810.0af				
1900-1956		China Radio Int'l	6165.0af	9440.0af	9595.0af	11840.0af	15360.0	
1900-1956		Radio Pyongyang	6520.0af	9600.0af	9975.0af			
1900-2000		BBC World Service	3255.0af	3955.0eu	6005.0af	6190.0af	6195.0eu	
			9410.0eu	9630.0af	9740.0pa	11980.0me	12095.0af	
			15400.0af	17830.0af				
1900-2000		Imagination Radio	6010.0eu					
1900-2000		KJES Vado NM	15385.0au					
1900-2000		Radio Korea	5975.0orm	7275.0eu				
1900-2000		Radio Thailand	9655.0eu	11855.0eu	11905.0eu			
1900-2000	a	Sri Lanka B'casting Corp.	6010.0eu					
1900-2000	mtwhf	VOA	5965.0me	9840.0as	11720.0me	11970.0as	13725.0me	
			15205.0me	15410.0as				
1900-2000		VOA Special English	9785.0me	12015.0me	13640.0me			
1900-2000		Voice of Russia	5920.0eu	5940.0eu	5965.0eu	7205.0va	7340.0eu	
			9480.0eu	9830.0af	9875.0af	9890.0eu	11510.0af	
1900-2000		WYFR Okeechobee FL	5760.0eu					
1900-2100		SIBC Solomon Islands	5020.0do					
1900-2100		Voice of Nigeria	7255.0af	15120.0af				
1900-2200		HCJB Quito Ecuador	17660.0eu	21455.0uf				
1905-1910		Croatian Radio, Zagreb	13830.0eu					
1930-2000		Georgian Radio, Tbilisi	11760.0eu					
1930-2000	smtw fa	Italian Radio Relay Svc	3985.0uf					
1930-2000		Radio Slovakia Int'l	5915.0eu	6055.0eu	7345.0eu			
1930-2000	mtwhf	Radio Telefis Eireann	12160.0am					
1930-2000		Radio Yugoslavia	6100.0eu	9720.0af				
1930-2000		VOA	4950.0af	6035.0af	7415.0af	9525.0pa	9760.0as	
			11870.0pa	11920.0af	11975.0af	13710.0af	15180.0pa	
			15240.0af	15580.0af				
1930-2030		Voice of Turkey	9630.0eu	9895.0uf				

1930-2030		VOIRI Teheran	7190.0eu	9022.0eu	11765.0eu				
1935-1955		RAI, Rome	5970.0eu	7285.0eu	9760.0eu				
2000-2030		Kol Israel	9435.0va	11605.0va	15640.0af	15650.0va			
2000-2030		Radio Budapest	6025.0eu	7165.0eu					
2000-2030		Radio Finland	6135.0eu						
2000-2030 s	a	Radio Telefis Eireann	12160.0am						
2000-2030		Swiss Radio Int'l	6165.0eu	9620.0af	11910.0af	13660.0af	13790.0af		
2000-2030		Vatican Radio	9660.0af	11625.0af	13765.0af				
2000-2030		VOA	4950.0af	6035.0af	6095.0as	7415.0af	9760.0as		
			11855.0af	11975.0af	13710.0af	15240.0af	15580.0af		
			17725.0af	17885.0af					
2000-2030		Voice of Mongolia	9720.0eu	12085.0eu					
2000-2045		Deutsche Welle	9725.0eu						
2000-2056		China Radio Int'l	6950.0eu	7590.0	9440.0af	9535.0eu	11735.0af	11840.0	
			11975.0af	13675.01	5360.01	5500.0af			
2000-2100		BBC World Service	3255.0af	3955.0eu	5975.0pa	6005.0af	6190.0af		
			6195.0eu	9410.0eu	9630.0af	9740.0pa	11835.0af		
			12095.0af	15400.0af	17830.0af				
2000-2100 s tw fa		Italian Radio Relay Svc	3985.0uf						
2000-2100		Radio Algiers	11750.0eu	15160.0eu					
2000-2100		Radio Australia	9500.0as	9580.0as	9660.0as	11880.0as	12080.0as		
2000-2100 s	a	Radio Australia	6080.0as	7240.0as					
2000-2100		Radio Bulgaria	5845.0eu	7535.0eu					
2000-2100 mtwhf		Radio Exterior de España	9595.0af	9680.0eu					
2000-2100		Radio Iraq Int'l	9685.0ir	11787.0ir					
2000-2100 smtwh a		V. of the Mediterranean	7440.0eu						
2000-2100		Voice of Indonesia	11784.9eu						
2000-2130		Sri Lanka B'casting Corp.	6005.0as						
2000-2200		Voice of Russia	5940.0eu	5965.0eu	6205.0eu	7320.0eu	7340.0eu		
			9480.0eu						
2000-2200		WSHB Cypress Creek SC	11550.0eu	13770.0af	15665.0af				
2000-2200		WYFR Okeechobee FL	5760.0eu	7355.0eu	15565.0va	21525.0af			
2000-2300		WINB Red Lion PA	13790.0eu						
2000-2400		KWHR Naalehu HI	17510.0as						
2000-2400		Radio Vanuatu	3945.0do	4960.0do	7260.0do				
2000-2400		WHRI Noblesville IN	5745.0sa	9495.0sa					
2000-2400		ZLXA New Zealand	3935.0do	7290.0do					
2005-2105		Radio Damascus	12085.3eu	13610.0eu					
2025-2045		RAI, Rome	7220.0af	9710.0af	11880.0af				
2030-2045		Radio Thailand	9535.0eu	9655.0eu	11905.0eu				
		VOA	6035.0af	6095.0as	7415.0af	9760.0as	11975.0af		
			13710.0af	15240.0af	15580.0af	17725.0af	17885.0af		
2030-2045		Voice of Africa, Libya	15235.0af	15415.0af	15435.0va				
2030-2057		Voice of Vietnam	7145.0eu	9730.0eu					
2030-2100		AWR Africa, Meyerton	9745.0af						
2030-2100		AWR Europe, Germany	9640.0af						
2030-2100 t h		Radio Minsk, Belarus	7105.0va	7210.0va					
2030-2100		Radio Polonia, Warsaw	6035.0eu	6095.0eu	7285.0eu	9525.0eu			
2030-2100		Radio Sweden	6065.0eu						
2030-2100		Radio Tashkent	7105.0eu	9540.0eu					
2030-2100 s	a	VOA	4950.0af						
		Radio Cairo	15375.0af						
2030-2115		Radio Havana Cuba	13660.0uf	13750.0eu					
2030-2130		Radio Nigeria	3326.0do	4770.0do	4990.0do	6025.0do	6050.0do		
			9570.0do						
2045-2100		VOA	6035.0af	6095.0as	7415.0af	9760.0as	11975.0af		
			13710.0af	15240.0af	15580.0af	17725.0af	17885.0af		
2045-2230		All India Radio, Delhi	7150.0au	7410.0eu	9650.0eu	9910.0au	9950.0eu		
			11620.0va	11715.0au					
2050-2110		Vatican Radio	4005.0eu	5883.0eu	7250.0eu				
2100-2125		Radio Polonia, Warsaw	6035.0eu	6095.0eu	7285.0eu	9525.0eu			
2100-2127		Radio Prague Int'l	5930.0va	9430.0as					
2100-2130		China Radio Int'l	6950.0eu	7150.0af	7590.0	9535.0eu	11735.0af		
			11975.0af	13675.0	15500.0af				
2100-2130 smt	fa	Italian Radio Relay Svc	3985.0uf						
2100-2130		Radio Australia	7240.0as	9500.0as	9580.0as	9660.0as	11880.0as		
			12080.0as	21740.0as					
		Radio Korea	6480.0eu	15575.0eu					
2100-2130		VOA	6035.0af	6040.0me	6095.0as	7415.0af	9595.0as		
			9760.0me	11870.0pa	11975.0af	13710.0af	15185.0pa		
			15240.0af	15580.0af	17725.0af	17735.0pa	17820.0as		
2100-2145		Deutsche Welle	9615.0af	9690.0af	9765.0as	15135.0as	15410.0va		
			17560.0as						
2100-2145 s	a	WRMI Miami FL	9955.0am						
2100-2156		Radio Pyongyang	4405.0eu	6575.0eu	9335.2eu	11710.1na	13759.8na		
2100-2156		Radio Romania Int'l	5956.7eu	7195.0eu	7215.0eu	9690.0eu			
2100-2200		BBC World Service	3255.0af	3915.0as	3955.0eu	5965.0as	5975.0va		
			6005.0af	6110.0as	6180.0eu	6190.0af	6195.0va		
			9740.0pa	11835.0af	12095.0sa	15400.0af			
2100-2200		KHBN Palau	9985.0as						
2100-2200		Radio Canada Int'l	5995.0va	7235.0va	9770.0va	9805.0va	11945.0va		
			13650.0va	13690.0va	15325.0va	17820.0va			
2100-2200		Radio Japan	6035.0pa	9725.0eu	11850.0pa	17825.0va			
2100-2230		SIBC Solomon Islands	5020.0do	9545.0do					
2100-2400		WBCQ Monticello ME	7415.0na						
2105-2110		Croatian Radio, Zagreb	11605.0af						

2110-2210		Radio Damascus	12085.3na	13610.0na					
2115-2130	mtwhf	BBC Caribbean Report	5975.0am	11765.0am	15390.0am				
2115-2130	s	BBC World Service	5975.0na						
2115-2145	mtwhfa	Voice of Armenia, Yerevan	4810.0eu	9965.0eu					
2115-2200		Radio Cairo	9990.0eu	15375.0af					
2130-2145	t	BBC Calling Falklands	11680.0sa						
2130-2155	f	Radio Moldova Int'l	7520.0eu						
2130-2156		China Radio Int'l	6950.0eu	7590.0	9535.0eu	13675.0			
2130-2200		BBC English Teaching	5875.0eu	6050.0eu	9635.0eu				
2130-2200		KSDA Guam	15550.0as						
2130-2200		Radio Australia	7240.0as	9660.0as	11880.0as	12080.0as	15415.0as		
			17580.0as	21740.0as					
2130-2200		Radio Korea	15575.0eu						
2130-2200	t	Radio Minsk, Belarus	7105.0va	7210.0va					
2130-2200	h	Radio Tashkent	7105.0eu	9540.0eu					
2130-2200		VOA	6040.0me	6095.0as	9595.0as	9760.0me	11870.0pa		
			15185.0pa	17735.0pa	17820.0as				
2130-2200	smtwhf	VOA	6035.0af	7415.0af	11975.0af	13710.0af	15240.0af		
			15580.0af	17725.0af					
2130-2200		Wales Radio Int'l	6010.0eu						
2130-2225	f	VOIRI Teheran	11740.0as	13745.0as					
2130-2230		Italian Radio Relay Svc	3985.0uf						
2130-2230		Voice of Turkey	9525.0as						
2130-2400		ABC Alice Springs	4835.0do						
2130-2400		ABC Katherine	5025.0do						
2130-2400		ABC Tennant Creek	4910.0do						
2145-2300	mtwhf	WRMI Miami FL	7460.0na						
2145-2400	a	WRMI Miami FL	9955.0am						
2200-2225		RAI, Rome	9675.0as	11900.0as					
2200-2229		Radio Canada Int'l	5995.0va	7235.0va	9805.0va	11705.0as	13690.0va		
			15325.0va						
2200-2230		Radio Korea	3980.0eu						
2200-2230		Radio Yugoslavia	6100.0eu	6185.0eu					
2200-2230		VOA	7215.0as	9770.0as	9890.0as	11760.0as	15185.0as		
			15290.0as	17735.0pa	17820.0as				
2200-2230	mtwhf	VOA	6035.0af	7415.0af	11975.0af	12080.0af	13710.0af		
2200-2245		Radio Cairo	9990.0eu						
2200-2256		China Radio Int'l	7170.0eu						
2200-2300		BBC World Service	3955.0eu	5965.0as	5975.0na	6175.0na	6195.0va		
			7110.0as	9590.0na	9660.0as	9915.0eu	11835.0af		
			11955.0as	12080.0pa	12095.0sa	15400.0af			
2200-2300		KHBN Palau	9955.0as	9965.0as	9985.0as	9875.0sa	11690.0af		
2200-2300		Overcomer Ministries	7285.0sa	9485.0as	9795.0sa				
2200-2300		Radio Bulgaria	7535.0eu	7545.0eu					
2200-2300	s	Radio Exterior de España	9595.0af	9680.0eu					
2200-2300	a	Radio Taipei Int'l	5810.0eu	9355.0eu					
2200-2300		Radio Ukraine Int'l	4820.0eu	5905.0eu	6020.0eu	6030.0va	6080.0eu		
			7205.0eu	7420.0eu	9560.0eu	9610.0eu	9810.0va		
2200-2300	f	Virgin Radio	6170.0va	7165.0va	9615.0va				
2200-2300		WWCR Nashville TN	7435.0na	9475.0na	12160.0na	13845.0na			
2200-2300		WWCR Okeechobee FL	11740.0na	15565.0va	21525.0af				
2200-2400		Caribbean Beacon	6090.0am						
2200-2400		Nat'l BC, Papua NG	3925.0do	4890.0do	9520.0do	9675.0do	11880.0do		
2200-2400		Radio Australia	9660.0as	12080.0as	15415.0as	17580.0as	17795.0as		
			21740.0as						
2200-2400		RTM Radio 4, Malaysia	7295.0do						
2200-2400		Voice of Guyana	3289.8do	5949.4do					
2200-2400		WEWN Birmingham AL	9385.0na	9975.0eu	13615.0na				
2200-2400		WSHB Cypress Creek SC	7510.0eu	13770.0al	15285.0sa				
2229-2259		Radio Canada Int'l	5995.0va	7235.0va	9805.0va	13690.0va	15325.0va		
2230-2255		Radio Moldova Int'l	7520.0eu						
2230-2256		R. Vlaanderen Int'l	13670.0na						
2230-2257		Radio Prague Int'l	7345.0na	9435.0af					
2230-2300		ORF Vienna	5945.0eu	6155.0eu	13730.0af				
2230-2300		Radio Budapest	3975.0eu						
2230-2300		Radio Sweden	6065.0eu	7325.0eu					
2230-2300		Radio Tirana, Albania	7130.0eu	9540.0eu					
2230-2330		Radio Havana Cuba	9550.0am						
2230-2400	s	SIBC Solomon Islands	5020.0do						
2230-2400	a	SIBC Solomon Islands	9545.0do						
2230-2400		VDA	7215.0as	9770.0as	9890.0as	11760.0as	15185.0as		
			15290.0as	17735.0pa	17820.0as				
2240-2250		Voice of Greece	9425.0au	11645.0au					
2245-2315		Vatican Radio	7305.0au	9600.0au	11830.0au				
2245-2400		All India Radio, Delhi	7410.0as	9705.0as	9950.0as	11620.0as	13625.0as		
2300-2330		Radio Canada Int'l	5960.0na	6040.0na	9535.0am	9755.0na	11865.0am		
2300-2330		Radio Mexico Int'l	5985.0am	9705.0am					
2300-2330		VOA Special English	6045.0as	7140.0as	9545.0as	11925.0as	15395.0as		
2300-2345		Deutsche Welle	6010.0as	9815.0as	13690.0as				
2300-2356		China Radio Int'l	5990.0na						
2300-2356		Radio Pyongyang	4405.0na	11335.1na	11710.1na	13760.0na	15130.0na		
2300-2356		Radio Romania Int'l	7195.0eu	9570.0na	9690.0eu	11940.0na			
2300-2400		BBC World Service	3915.0as	5965.0as	5975.0na	6035.0as	6175.0na		
			6195.0va	7110.0as	9590.0na	9915.0eu	11945.0as		
			11955.0as	12095.0sa	15280.0as				
2300-2400	s	Good News World Radio	9405.0sa						

2300-2400	KHBN Palau	9965.0as	9985.0as		
2300-2400	Radio Cairo	9900.0am			
2300-2400	SBC Radio 1, Singapore	6150.0do			
2300-2400	f Virgin Radio	3985.0va	6170.0va	7165.0va	
2300-2400	Voice of Turkey	6135.0eu	9655.0va		
2300-2400	WGTX McCaysville GA	5085.0va	6890.0uf		
2300-2400	WHRA Greenbush ME	7580.0na			
2300-2400	WJNB Red Lion PA	11949.9am			
2300-2400	WRNO New Orleans LA	7354.3na			
2300-2400	WWCR Nashville TN	5070.0na	7435.0na	9475.0na	13845.0na
2300-2400	WYFR Okeechobee FL	11740.0na			
2330-2345	Voice of Africa, Libya	15235.0af	15415.0af	15435.0va	
2330-2357	Radio Prague Int'l	7345.0na	9435.0na		
2330-2357	Voice of Vietnam	7145.0as	12019.5as		
2330-2400	Radio Canada Int'l	5960.0na	9755.0na		
2330-2400 s	a Radio Canada Int'l	6040.0na	9535.0am	11865.0am	
2330-2400	Radio Netherlands	6165.0na	9845.0na		
2330-2400	VOA Special English	6045.0as	7130.0as	7140.0as	9535.0as
		11805.0as	11925.0as	15205.0as	15395.0as
		7450.0am	9375.0eu	9420.0am	12105.0am
2340-2350	Voice of Greece	4278.5uf	6458.5uf	12689.5uf	
24hr-	AFRTS				
24hr-	CFMX Montreal PQ	6005.0do			
24hr-	CFRX Toronto ON	6070.0do			
24hr-	CFVP Calgary AB	6030.0do			
24hr-	CHNX Halifax NS	6130.0do			
24hr-	CKZN Saint John's NL	6160.0do			
24hr-	CKZU Vancouver BC	6160.0do			
24hr-	University Network	5030.0am	6150.0va	7375.0na	9725.0na
		13749.8af	15459.4sa		11870.0sa
24hr-	WJCR Upton KY	7490.0va	13595.0as		

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

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