

NASA

the
JOURNAL

NORTH AMERICAN SHORTWAVE ASSOCIATION

VOLUME XXXVII NUMBER 5

MAY 1997

News Voices Music



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60°N



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Standard Steps 50Hz via Tuning Knob
 5kHz Up/Down Buttons
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Shortwave Receivers Past & Present

Communications Receivers 1945-1996



- ◆ New 2nd Ed.
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- ◆ Includes 70 U.S. and Intl. manufacturers
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This huge 350 page Second Edition includes over 500 shortwave and amateur communications receivers made from 1945 to 1996. Here is everything you need to know as a radio collector or informed receiver buyer. Entry information includes: receiver type, date sold, photograph, size & weight, features, reviews, specifications, new & used values, variants, value rating and availability. Seventy American and worldwide manufacturers are represented. Become an instant receiver expert!

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Chapter Titles:

Introduction, Buying A Used Receiver, Using This Book, More Information, Repair & Restoration, Allied, Ameco, AOR, Bearcat, Bharat Electronics, Cardwell, Collins, ComFocus, CPC, Cubic, Dansk Radio, Davco, Debeg, Drake, Eddystone, Elta, Eska, Galaxy, General Dynamics, Gonset, Hallicrafters, Hammarlund, Harvey-Weiss, Heathkit, Icom, J.R.C., Kenwood-Trio, Knight Kit, Lafayette, Lowe, LTV Temco, Mackay, Marconi, McKay Dymek, Midland, Morrow, Mosley, Multi-Elmac, National, Norlin, Panasonic, PhaseTrack, Pierson-Holt, Plessey, Quality U.S. Tech., Rascal, R.C.A. Raytheon, Realistic, Redifon, RF Communications, RFT, RME, Rohde&Schwarz, Rosetta Labs, Sears, Siemens, Skanti, Sony, Squires-Sanders, Standard, Sunair, Swan, Taiyo, Technical Material, Telefunken, TEN-TEC, Thomson-CSF, Transworld, Videotone-Mechrolab, Vigilant, Watkins-Johnson, Yaesu, Briefly Mentioned and Receivers That Never Were

JRC

Japan Radio Co., Ltd.

NRD-345



Famous for its top-gun receivers, Japan Radio Company once again pioneers with a brand new model at a surprisingly affordable price. This incredibly attractive and compact radio delivers hour-after-hour of listening pleasure with high dynamic range and synchronous AM detection to help tame fading. Dual IF filters (6/2 kHz) are supplied, with a third optional position available. Tuning the radio is smooth as silk via the large indented main tuning knob. The easy-to-read LCD type display shows you the precise frequency to 10 Hz! The variable Noise Blanker is effective against pulse and ignition interference. The sophisticated memory system stores 100 channels with frequency, mode, AGC, attenuator, VFO, bandwidth and NB status parameters all stored. Both memory and frequency scanning are supported. The Clock-Timer function enables the radio to turn on and off at a specific time and the clock can be set for UTC or local time. The Tone Control, AGC and 20 dB Attenuator let you refine the signal to your personal taste. Other refinements include an analog S-Meter, Tilt-Bar, Up/Down Tuning buttons, Dual VFOs and Dial Lock. Rear panel jacks include: External Speaker, Record Jack, FAX/RTTY Line Out and DB-25 RS-232C port. Switch selectable dual antenna inputs are featured to support both wire-type or coaxial-type lead ins. A built-in RS-232 port facilitates connecting a personal computer (4800 baud, 1 start bit, 8 data bits, no parity, 1 stop bit). Exact price is unknown at press time, but is expected to be under \$1000.



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COMMUNICATIONS CATALOG

Universal's free 1997 100 page catalog covers everything for the shortwave, amateur and scanner enthusiasts. With informative photos and full descriptions. To request your copy please call toll-free:

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NASA Notes

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Shortly after the Journal was published last month, we learned of the closing of Gilfer Shortwave from Executive Council member **Jerry Berg**: "The rumors about Gilfer are true. Whether they have officially gone out of business, or "suspended operation," they are closed, seemingly for good. **John Figliozzi** has confirmed this with **Paul Lannuier**. The store is for rent, blinds drawn. Gilfer opened its doors in 1952. Over the years I had always found it a pleasure to deal with Perry and Jeanne Ferrell, and then Paul, all of whom gave the business their personal touch. Gilfer was the first "real" commercial contact in the hobby for many of us."

For those interested in contacting Publisher **Bill Oliver** through electronic channels, try his new e-mail address <boliver@philly.infi.net>. Bill enjoys hearing from his fan club!

The addition of another Dr. Gene Scott station has prompted action by one of our committees. Country List Chairman **Don Jensen** asks me to pass along that his committee has added Anguilla (under North America) to the club's country list. Please update your copy of the list. Copies of the club's Country List and Awards booklet can be obtained for \$2.00 through **Kris Field** at the Company Store address on the back cover.

From **Paul Ormandy** <paulorm@es.co.nz> we have additional details about next year's convention in New Zealand: "Things are under way and many DXers have expressed their interest in attending. The Convention will start on Thursday the 5th of February at 3 p.m. with a welcome with a full program of activities on the Friday and Saturday, farewell and clean-up on Sunday. Friday is "Waitangi Day" here in NZ and is a holiday

ANARC SWL Ham Net

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

for most. Registration forms will be posted soon."

Bob Padula tells us that The Australasian Shortwave Guide—Edition No. 2—Z97 will be released the first week of May. Coverage is English broadcasts to Australia and Oceania with special supplementary articles. The first edition carried a special feature about DX'ing Madagascar. A copy can be obtained for US\$10.00 direct from Bob (404 Mont Albert Road, Surrey Hills, Victoria 3127, Australia). This guide is highly recommended. In addition, Bob is setting up the "DX Radio Bookshop" which will provide mail order service primarily in support of the shortwave radio monitoring community in Australia. The Bookshop initially will be offering 17 different titles. A four-page catalogue is available from Bob at the above address.

PLAYDX carried the results of the "1st Europirate Contest Memorial M. Ravigneaux" held in late December/early

Our Motto Is - "Unity and Friendship"

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.

January. The winner was **Maik Koehler** of Germany with 2,424 points. He was followed by **Klaus Fuchs** with 1,650 points and **Klaus Winter** with 1,550 points. Germans finished 1, 2, and 3! There were 37 participants in the contest. We have the North American DX Championships. Would NASWA members be interested in a North American pirate DX'ing contest in October? Your thoughts on this subject would be welcome (Musings?).

TDP SW-97, the "Transmitter Documentation Project", has just been released. This is edition number four which details information about transmitters used by shortwave radio stations around the world. The project is the result of more than ten years of research by Belgian DX'er **Ludo Maes**. The

80-page booklet arranges information by country. Each listing indicates the name of the station, transmitter site, geographic coordinates, call-sign, number of transmitters, power, manufacturer, type number, year of installation, and year out of service. With the help of Latin DXpert **Takayuki Inoue Nozaki**, a lot of information on shortwave transmitters in Central and South America have been added. The booklet can be ordered from TDP, c/o Ludo Maes, P. O. Box 1, 2310 Rijkevorsel, Belgium. The cost is US\$10.00 or 10 International Reply Coupons via priority mail or US\$7.00 or 7 IRCs via economy mail.

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

FRENEX: Twenty Five Years Ago....

The Loudenboomer Report presented Charlie's Believe It Or Not: The shortest club existence on record was the Badlands DX'ers Alliance. It was organized one afternoon by three young DX'ers who made up lists, printed and mailed out a bulletin, set membership dues and closed the club in 4 hours, 12 minutes and 17 seconds—it was too much work! Among the new members was Alan Mayer and Dennis Rodman (!). Renewals included M. R. Leonhardt and Tom Gavaras (2nd year), Al Sizer (5th year), and Grady Ferguson (6th year). Ed Shaw reported the 1972 ANARC Convention would be in the Boston area. In the Shortwave Center, Don Jensen writes about "Broadcasting From Kashmir". In the "Open Mike," Charlie Loudenboomer of Transylvania notes: "The station noted in the April SWC with an IS of a piece of Asian pottery being smashed is obviously Radio Bang-la-Dish." Country List additions included Bangladesh and United Arab Emirates. Larry Magne presented his first Log Report column.

NASWA

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

PLEASE NOTICE:

Because this issue contains the complete English Schedule, many of our regular columns like Tech Topics, Equipment Review, Library, and Shortwave Center are not included. They will return in the June Journal.

Easy Listening

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More Shortwave Downsizing

The broadcasting arm of *The Christian Science Monitor* has announced that it has put its Monitor Radio news service, including the ten year old shortwave service **Monitor Radio International**, up for sale. Attempts to make the service self sufficient have failed and the Monitor has decided to get out of the broadcast news business. A statement issued by the Monitor also cited declining shortwave audiences as another determining factor. The shortwave transmitters in South Carolina and Saipan are also for sale or lease. Programming via Public Radio International (PRI) and the shortwave stations will continue at least until June 30. PRI has apparently expressed some interest in taking over aspects of the service. The Monitor said it will stay in the religious broadcasting business by leasing time from domestic broadcasters around the world.

In Australia, according to reports in the newspaper *The Age* and from Radio Australia's web site itself, the government's cabinet has reportedly decided to recommend in its budget submission that **Radio Australia's** budget be hacked to about A\$7 million, about a third of its present size. This would likely force the closure of the popular Asian and Indonesian services. Remaining would be a satellite and shortwave English language service to the Pacific and Papua New Guinea and the Tok Pisin service to the latter. Lost will be the jobs and expertise of half the current staff of 150. Derek White, Radio Australia's director, expressed dismay that the government has apparently decided to ignore the record and recommendations of the Senate inquiry into Radio Australia and to recommend closure of the Asian services, which provide the majority of the Radio Australia audience. He expressed hope that at least the Indonesian service could be saved and that the traditional independence of the

ABC will lead it to seek to preserve as much of the Asian service as it can even in light of the cabinet's recommendation.

It is becoming increasingly clear that the attacks on the ABC and Radio Australia stem from the current government's hostility toward public broadcasting in general. The specious nature of the research conducted for the Mansfield Commission Report (see March EL), the blatant disregard for the record developed by the special Senate inquiry into Radio Australia and the rather transparent efforts of the Minister of Communications, Senator Alston, to destroy the traditional independence of public broadcasting in Australia belie the official position that these actions are necessary for budgetary reasons. The A\$14 million ostensibly "saved" by this act is an insult to the intelligence of thinking Australians. Furthermore, the targeting of the Asian and Indonesian services point to a desire on the part of the government to placate Indonesia, China, Vietnam and some other Asian nations all of whom at one time or other have complained to the Australian government about coverage of their respective nation's human rights shortcomings among other activities by an independent and objective ABC and Radio Australia. The manner in which this issue has been handled by the government should give pause to those in Australia who feel they still live in a representative democracy. At least in this one instance, the evidence would not appear to support such an assertion.

Next month: an analysis of the state of international public broadcasting and the shortwave medium.

BBC World Service Highlights

Listings are for the Americas/Europe stream. Days and times are in UTC. Frequencies for North America include 5965, 5975, 6175,

6195, 9515, 9590, 9895, 11750, 11865, 15220 and 17840. In a few cases, programs can be heard via the Americas/Europe stream only on frequencies intended for Europe. These are denoted with an * and these frequencies usually are listenable in parts of North America: 15485, 12095 and 9410. Times marked with an # means that the program also can be heard in western North America via the Asia stream on 9740.

Current Affairs

In Election Special (1st 2205, 2305; 2nd 0005, 0110, 0230), Robin Lustig anchors coverage of the British Parliamentary elections with former MP and political columnist, Matthew Parris, as the studio commentator. BBCWS Political Correspondent Philippa Thomas will analyze the results with a panel of representatives from the three main political parties. All 659 seats are being contested of which 321 were occupied by the Conservatives, 273 by Labour and 26 by Liberal Democrats in the last Parliament. **International Question Time** continues (Sat. 1401—live) until the 25th. (See April's EL for details on how to participate.)

The Arts

A Private View is a 5-part series (Tue. starting 13th 0145, repeated Thu. 0530) in which a well-known figure conducts an audio tour of his or her personal artistic collection. Some of the events covered in **Meridian** this month include the Cannes Film Festival (**On Screen**); the centenary of the first publication of *Dracula* and the 25th anniversary of the Index on Censorship, which publishes banned writings (**Feature**); a new production of *Hamlet* in Stratford (**Live**); and the Birmingham Readers and Writers Festival (**Books**). (See April's EL for *Meridian* broadcast schedules.)

Classical Music

The Composer(s) of the Month (Thu. 0730, 1530#) are Andrea and Giovanni Gabrieli, a 16th century Venetian uncle and nephew who were prolific and versatile writers of both sacred and secular music and have influenced generations of European composers through their use of the vast space within St. Mark's Cathedral to create spectacular stereophonic musical effects. (East coast lis-

teners will have to set their tape recorders.) **Concert Hall** (Sun. 1515) devotes May to the music of Baltic composers. **Performance** (Wed. 1515) focuses on the Anglo-Austrian string group, The Amadeus Quartet. And contrary to what I reported last month, **Record News** (Thu. 1230, 1730), which features reports about the classical music recording industry, has not been discontinued.

Drama and Readings

Here are the **Plays of the Week** (Sat. 2230; repeated Sun. 0530, 1830*) for May:

Srebrenica (3rd/4th) is an acclaimed documentary drama which was first staged at the Tricycle Theatre in London last October. It brings to life the accounts given at the International War Crimes Tribunal in The Hague by the victims, the Bosnian Serb aggressors and the commanders of the Dutch peacekeeping force of the events surrounding the fall of the UN "safe area" in July 1995. This production features the original cast, which have recreated this drama for radio.

Mirad—A Boy from Bosnia (10th/11th) is the story of a 14 year old refugee of mixed Bosnian, Croatian and Serb descent living with foster parents in Holland, who is intent on avenging the death of his father and sister.

A Very Rare Bird Indeed (17th/18th) is a new play by Peter Tinniswood about a woman desperate to find love.

My Goat (24th/25th) uses the bombed out city of Beirut in 1982 to provide the setting for a play about the interrelationship between kidnapper and hostage.

Aman (31st/June 1st) is an intimately personal story of a young Muslim girl's coming of age in the 1950's and 60's.

Off the Shelf (Mon.-Fri. 0715; Tue.-Sat. 0345) begins May with Bram Stoker's *Dracula* (begins 5th). Beryl Bainbridge's *Every Man for Himself* (begins 19th) is also a ten installment reading of a Booker Prize shortlisted novel based around the events leading up to the sinking of the Titanic. This month's **Short Stories** (Sat. 1245; repeated

Mon. 0030) come from Norway, India, Canada, Kenya and China.

Education

Learning Zone begins two new six part series this month: *Sound Business: Marketing* (Sun. 2310 starting 11th) and *Visions of Reality* (Fri. 1230 starting 16th).

Entertainment

In Good Voice (Sat. 1901*; repeated Mon. 0330) features folk-rock singer Maddy Prior selecting, over the next six weeks, some of the best unaccompanied "a cappella" singing from around the world from the Middle Ages to the present day. **Counterpoint** continues its 12 week run. (See April's EL for details.)

Features and Documentaries

In **Born a Girl** (Thu. 0545, 1130 starting 22nd), teenage girls from six countries invite the listener into their homes and schools and talk frankly about their lives, options and relationships. **Danger Squad** (Sat. 1030, repeated Mon. 2130) is a five-part series which highlights five of the world's emergency services. With the June 30th British handover to China just weeks away, **Hong Kong: Imperial Orphan** (Sun. beginning 18th 1701; repeated Tue. 0630, 1130) presents six reports telling the remarkable story of how a remote colonial outposts grew to outshine the two empires which spawned it. The BBC's former Beijing correspondent Tim Luard wrote and narrates this study. A new six part series, **Keep to the Path Through Europe** (Tue. 0030, 1515), provides the listener with a radio ramble led by a guide that has an informed eye for the landscape as well as local knowledge whether it be the Baltic flatlands or the Pyrenees. (**Everywoman, On Your Behalf and Pick of the World** continue their run. See April EL for details.)

Popular Music

Jazz Expo (see last month's EL) ends its run later this month and will be succeeded by **Jazzmatazz** (Sun. beginning 25th 0730, repeated Mon. 1130) which will feature interviews with important figures in the world of jazz and explorations of the nature of jazz in all its forms in a weekly segment called "Jazz Dictionary". There will also be reviews of

recordings and performances, listener requests and plenty of music in this new half-hour program. **Turning a Tune** (Thu. 1515, repeated Fri. 0030) is a new folk music series highlighting Irish traditional music. **Hot New Country** (Sun#beginning 25th/Mon. 1530) will take the place of the **Tommy Vance Rock Show** at the end of the month. **The Vintage Chart Show** (Mon. 0730, repeated Thu. 2330) checks out hit music from this week in 1976, 1983, 1972, 1964 and 1956.

Science and Technology

Twists of Nature (Sat. starting 10th 0130; repeated Mon. 0615 and Fri. 1515) is a new six week series looking at the mystifying world of molecular biology, the study of life on the molecular level, making it understandable and interesting to the layman. (**Anatomy of Addiction** continues until the 11th. See April EL for details.)

Sport

Sportsworld (Sat. for three hours starting 1405), among other comprehensive coverage, has the Rugby League Challenge Cup Final (3rd), the English Football Association Cup Final (17th) and the Scottish Football Association Cup Final (24th).

Youth

Pop Science returns for six weeks (Sat. beginning 24th 1930*; repeated Mon. 1430, Tue. 0730) handling questions about science, medicine and technology interspersed with listener requested pop records. Write with your questions and requests to the program's host, Janice Long, at BBC World Service, Bush House, London WC2B 4PH or call +44 171 257 2691 or e-mail <popscience@bbc-sci.demon.co.uk>. (**Touched with Fire** and **The Good Relationship Guide** continue this month. See April EL for details.)

Radio Netherlands Documentaries

Unfortunately, I got a month ahead of myself in April by giving you May's documentary schedule instead of April's. Apologies for the inconvenience, but check the April EL for this month's schedule. (You see, I told you there would be some bumps in the road...)

Deutsche Welle Programming

The English service has a new head, Michael Behrens, who promises that there will be a number of changes in the months ahead. One of these will be an improved Internet service providing, among other things, up to date program information via the computer.

The venerable *European Journal* has been replaced by *Newslink* (Tue.-Sat. 0105, 0305, 0505), a new daily current affairs magazine looking at news as it develops through European eyes. *Newslink* will be putting a strong emphasis on what is happening in Europe, especially the movement toward a single European currency, while offering a European perspective on international affairs.

May 29th on the weekly *Living in Germany* (Thu. 0132, 0332, 0532), the 1997 German Garden Festival, taking place in the Ruhr region, will be featured.

The daily line-up on DW is now identical for all three transmissions to North America (0100, 0300, 0500). Each day begins with *News* and *Newslink* (see above). Daily features start around 32 past the hour and include:

Tue.—Man and Environment (local, national and global environmental issues)

Wed.—Insight (background to a major political event or development)

Thu.—Living in Germany (German social and political life)

Fri.—What's New? (four science programs rotating weekly including *Headcrash* (on computers); *Science and Technology*; *Mediamag*; and *Made in Germany* (new technologies, applications, innovations)

Sat.—Economic Notebook (economic trends and events in Germany and the world)

Weekend transmissions also start with *News* and continue as follows:

Sun.—Sports Report; Inside Europe (a

magazine offering a European perspective on the week's events) and *Mailbag*.

Mon.—Commentary; Arts on the Air (except **Feature of the Month** on the first week of the month) and **German by Radio**.

The following frequencies are in use for one or more of the three transmissions: 5960, 6040, 6045, 6085, 6145, 6185, 9535, 9615, 9640, 11810.

International Calendar for May

(special programs may be broadcast)

1 - May Day (various); 2 - King's Birthday (Lesotho); 3 - Constitution Day (Poland and Japan); 4 - Youth Day (China), Yom Hashoah (Israel); 5 - Cinco de Mayo (Mexico), Children's Day (Japan and Korea), Remembrance Day (Netherlands), May Day Bank Holiday (UK); 6 - Victory Day (France), V-E Day (USA); 7 - Victory Day (Russia), Liberation Day (Czech Republic and Slovakia); 8 - Joan of Arc Day (France), Mother's Day (various); 9 - Independence Day (Israel), Labor Day (Queensland, Australia); 10 - Lady of Fatima Day (Portugal); 11 - Unification Day (Liberia); 12 - Independence Day (Paraguay); 13 - Constitution Day (Norway), Armed Forces Day (USA); 14 - Ataturk Day (Turkey), Victoria Day (Canada); 15 - National Day (Cameroun); 16 - Navy Day (Chile); 17 - National Heroes Day (Sri Lanka), Unification Day (Yemen); 18 - Culture Day (Bulgaria); 19 - Independence Day (Jordan), Revolution Day (Argentina); 20 - National Day (Tanzania), Independence Day (Georgia), Memorial Day (USA), Spring Bank Holiday (UK); 21 - National Day (Afghanistan); 22 - Independence Day (Armenia); 23 - National Holiday (Croatia); 24 - National Holiday (South Africa). (Source: 1997 World Calendar)

Special thanks to Georg Simon of NASWA for DW information, Harold Sellers of the ODXA for Radio Australia news and to Rosemarie Reid of BBC On Air for assistance above and beyond the call. **Until June, good listening!**

DW

Listener's Notebook

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FAX: (518) 453-0864
Internet: alcue@albany.net

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ALBANIA *Radio Tirana* update:

0300-2200	Albanian	v6100 (6099.9)
0730-1030	Albanian	v7270 (7269.7)
0900-1500	Albanian	v7150 (7149.9)
1900-2200	Albanian	6170 v9824.44
2300-2400	Albanian	new 6190 //7270
0000-0100	Albanian	new 6170
0300-0500	Albanian	new v6190 and v7269.85
1630-1643	Serbian	new 6015 //7110
1730-1757	French	new 9570 //7295
1730-1743	Turkish?	5985 7155
1745-1758	Greek	5985 7155
1815-1843	German	new 9570 //7295
1845-1900	English	7270 and new 9570
2100-2130	English	new 7110 and 9515
0145-0200	English	6115 7160
0230-0300	English	6140 7160

(Pashkevich-RUS/WWDXC/Bueschel-FRG)

ANGOLA 4950.03 *R. Nacional*, 0116-0127 on March 29, PP, ID at 0120 as "Radio Nacional de Angola programma Radio Madrugada Nacional", then regional pop music. SINPO: 35433. (29-Mar/Barrera-ARG)

ARGENTINA 2462.34 *R. Ciudad de Banfield*, 0153-0159* on March 28, ID as "AM 1230 Radio Ciudad de Banfield", at 0159 s/off w/ "Aurora" song. (28-Mar/Barrera-ARG)

AUSTRALIA Political turmoil in Papua New Guinea prompted *Radio Australia* to expand its PNG service; now add 2000-2100 on 6080 and 7240 kHz. (25-Mar/RA/BBCM)

...and at the same time...

On the Radio Australia news carried this morning, April 22nd, (0910) on CBC Overnight, it was announced that the Australian Cabinet has voted to preserve R.A., although with a budget cut of over two-thirds. The reduction from A\$23 million to A\$7 million will mean the loss of shortwave broadcasts to Indo-China and China. However, broadcasts to the South Pacific and Papua New Guinea will continue. Good news, but bad news. (Sellers-CAN/Four Winds/Serra-IT)

Here's a relevant editorial from the *Sydney Morning Herald*, 22-Apr:

Federal Cabinet appears to have rejected a recommendation by its Expenditure Review Committee to downgrade Radio Australia into an English-language satellite service delivered only to the Pacific region. This is a hopeful sign that Cabinet is taking a broader view of the national interest than the superficially attractive recommendation of the Mansfield inquiry that the Australian Broadcasting Corporation close Radio Australia and use the resulting savings of about \$20 million to resolve the ABC's budget problems.

The real context of any discussion about the future of Radio Australia should be Australia's role in the Pacific and Asia, not the ABC's budget. In its submission to the Mansfield inquiry, the Department of Foreign Affairs and Trade argued that the inquiry should take into account "the significant role the ABC's international services play in advancing Australia's trade and diplomatic objectives". Does Australia want to maintain a presence and an image of being an influential neighbour? Or does the nation want to opt out of promoting an Australian cultural, trade and economic viewpoint to people who have shown an interest in hearing what that viewpoint is.

The facts about Radio Australia make a compelling case for its continued existence. It transmits 40 hours of programming in English, Indonesian, Chinese, Cantonese, Vietnamese, Thai, Khmer, French and Pidgin. Its Internet site has 150,000 hits a month. More than 100,000 letters a year are received by the station. These are significant numbers and suggest a committed audience. They also indicate the influence Radio Australia can exert if Australia wants to maintain its position as a major power in this region. If Radio Australia is closed, then Australia risks confining itself to a future as Australia minor in its own region. If Federal Cabinet has definitely rejected the plan to reduce Radio Australia to an English language-only service to the Pacific region, it has acted correctly. The reach of such a service would be so limited as to be almost worthless. South-East Asia and Papua New Guinea, too, would be excluded from the service. This plan is lit-

tle more than a pretence of a service. The annual saving to the Federal Government of about \$10million, which the plan offers, is the real attraction for those putting it forward.

The ABC board announced yesterday it is seeking from the Government base funding of \$525million this year to enable it to maintain its existing domestic and international services. This takes into account the \$27million in savings from its recent restructure which will already result in 600 people losing their jobs. This is consistent with the Mansfield inquiry which recommended a base funding level of about \$500 million for the ABC's domestic services with an additional \$20million or so coming from the operational and transmission savings from the closure of Radio Australia and Australian Television.

The ABC's funding request of \$525million for 1997-98 is not an unreasonable claim upon the taxpayer, given the cuts the ABC has already made. It would enable the ABC to acknowledge the widespread community support for the retention of Radio Australia and enable Radio Australia to continue to present news and information about Australia to the millions of listeners who need the service. This, in turn, would ensure that Australia retains a significant voice in the region of greatest importance. It would also give time for the Government to consider the report of the Senate committee now inquiring into the activities of Radio Australia.

To submit comments to this editorial: news@smh.com.au (Say-CA)

BANGLADESH Radio Bangladesh Z97 External Service:

1230-1300	EE	7185 9550
1315-1345	Nepali	7185 9550
1400-1430	Urdu	7185 9550
1515-1545	Hindi	7185 9550
1745-1815	EE	7190 9570 15520 (Voice of Islam)
1815-1900	EE	7190 9570 15520

Home Service in English

0200-0210	EE	4880
1600-1610	EE	4880 15520

Current Affairs in English:

1545-1600	4880	Su/Th
1610-1615	4880	

(14-Apr/das Gupta-IND/EDXP/Padula-AUS)

4880 1530 *Bangladesh Betar* with EE news about enlarging the number of permanent members to the UN, full ID at 1536 "this is Bangladesh Betar", news ended at 1540. Fair to good signal but appalling audio. (Has Radio Cairo's transmission engineer spent his vacation at Bangladesh Betar?!) I can't believe they don't know how bad the audio is. (20-Mar/Norie/DSWCI "DX-Window")

BELARUS Radio Minsk ext sce summer sched: 1830-1900 7210 11960, and via Kiev relay 7410 9905. Repeated at 1930-2000 but via Belarus transmitters only, on 7210, and 11960. (21-Mar/Tondel/Radio Belarus/BCDX/EDXP/Padula-AUS)

BELGIUM Radio Vlaanderen Internationaal sked thru 27 October:

0500-0600	Dutch	5980
0600-0630	Dutch	6035 9925 9940
0630-0700	English	6035 9925 9940
0700-0730	French	6035 9925
0730-0830	Dutch	6035 7190 9925
0830-0900	German	6035 7190
0900-0930	English	6035 7190
0930-1000	French	9925 Su
1000-1100	Dutch	6035
1100-1130	Dutch	6035 9925
1130-1200	Spanish	9925
1600-1630	Dutch	5910
1700-1730	Dutch	5910 9925
1730-1800	German	5910 9925
1800-1830	English	5910
1830-1900	French	5910
1900-2000	Dutch	5910 9925
2000-2030	Dutch	5910 9925
2030-2100	Spanish	5910 9925
2100-2130	English	5910

(28-Mar/Direct/BDXC/Nieuwenhuis-HOL)

BOLIVIA 4409.19 R.Eco. Reyes with fair signal after 2300 (17-Apr/Honzik/DSWCI DX Window)

4449.8 *Radio Frontera*, 0145, with lots of commercial for "Comercial Total, frente a la plaza Cuatro Centenario", "Comercial Silvia, con ropas para damas, caballeros y niños ... y muchos artículos electrodomeísticos" as well as the local butcher (carnecería) "que le ofrece mejor calidad de carne vacuna ... en la Avenida 6 de Agosto, frente al mercado". (28-Mar/Pedersen/DSWCI DX Window)

4552.3 *Radio Difusora Tropico*, 2300, with mensajes, slight CW QRM (16-Mar/Pedersen/DSWCI "DX-Window")

4599.95 *Radio Perla del Acre*, Cobija, surprisingly good at 0145 with domestic vocals. Probably benefiting from some [April 7] flare-induced N/S enhancement. (10-Apr/Clark-CAN)

4630.8 *R. 11 de Octubre*, slightly down from previous freq, 1029 rosary. (19-Apr/Klemetz-COL/Dateline Bogota)

4854.9 *R. Centenario La Nueva* (t) 2349, with Luis Palau, heard only for a few minutes when RTTY was silent. (14-Apr/Klemetz-COL/Dateline Bogota)

4875.15 *Emisoras La Cruz del Sur*, La Paz; 1053 fair, M talk in Quechua and highland folklore. (12-Apr/Nozaki-JPN/Relampago DX)

4923.65 *Radio San Miguel*, Riberalta, 0140, very strong but severely distorted at 0140 with promo anmts and full ID between vocals hosted by male announcer. Most of the readable audio was in the LSB. (10-Apr/Clark-CAN)

4930.1 *Radio Norte*, 0050, with classical music, such as Wassermusik. At 0103 suddenly gone, without formal s/off. (28-Mar/Pedersen/DSWCI DX Window)

5923.3 *Radio Pio XII*, 2335, in Aymara and a few public service announcement in Spanish. (17-Mar/Pedersen/DSWCI "DX-Window")

5952.3 *Radio Pio XII*, 0110, mostly in Aymara, but some info in Spanish on the upcoming Easter parades: "El tren de Octubre se va a dividir en dos grupos, uno que va a ir por esa avenida, y el otro grupo va a ir por la Plaza del Minero..." (28-Mar/Pedersen/DSWCI DX Window)

4777 *Radio A.N.D.E.S.* verie states that this union station is operated by non-professional personnel. Professional persons do not want to work at the station because of the low salary, the distance and the cold. Their original goal was to operate a transmitter of 1000 watts in order to be heard 200 kilometers from the town of Uyuni, and they were totally surprised to receive reports of reception from so many parts of the world. They refer to themselves not as Radio Andes but as Radio A.N.D.E.S., both on their letterhead and on the typewriter, but I cannot determine what, if anything, the letters stand for. The letterhead also bears the slogan "La Voz de los trabajadores Campesinos A.S." ("trabajadores" is in lower caps on the letterhead and the letterhead says "A.S.", not "S.A."). The station enclosed a brochure dated November, 1992 in which FRUTCAS (the campesino union) proposed that they build a radio station. They felt that they needed a short wave radio station because of the difficulty of communicating between union members spread over 5 provinces due to the poor roads. A radio station would be able to broadcast news and information, send messages, and enable the union members (it is a farmers' union) to know the prices of their agricultural products in the markets in the different communities. They calculated the cost of the station would be \$103,466 (they stated the amount in U.S. dollars) and asked that each family contribute 5 Bolivianos in 1993. They do not seem to have named the station at that time but rather showed drawings of the proposed station with a sign saying "RADIO CAMPESINA". (21-Mar/Lazarus/DSWCI "DX-Window")

9624.92 *R. Fides*, 1820-1843, salutations and comments pgm, ID at 1825 as "senores de Radio Fides...", at 1843 "a todos los oyentes de Radio Fides", then mx. (29-Mar/Barrera-ARG)

9717.12 *R. La Plata*, 1731-1818, a very nice selection of folk music and salutations; ID at 1759 as "Radio La Plata", then pgm "Confidencias." (29-Mar/Barrera-ARG)

Mr. Carlos Palenque Aviles, the owner of *Radio Metropolitana* (6194.9), La Paz, Bolivia, has passed away in March 1997. In consequence, the station has been renamed to Radio Carlos Palenque and the V/S will be Mr. Palenque's widow (name unknown). Information from Rogildo Aragao, DX Clube Paulista, Brazil. I heard them on 16 April at 0930 with clear ID as "Radio Carlos Palenque." (deCastro-BRZ)

BRAZIL 2419.98 *R. Sao Carlos*, 0134-0151, PP, end of program "bouna noite amigo", then rlg pgm by M & F announcers. (29-Mar/Barrera-ARG)

2490.13 "98 FM A Voz da Radio", (ex-Radio Oito de Setembro), talk M announcer in PP, lots of IDs as "98.7 FM" and "98 FM A Voz da Radio", pgm hosted by F&M announcers, music. (28-Mar/Barrera-ARG)

6850(H) ZYK243 *R. Veneto*, Flores da Cunha, RS (5 x 1370). Finally IDed this one after careful checking and a LOT of luck!: 2055 Comments after a soccer match w/ interview to the coach of a Rio Grande do Sul team: "Ta bon, obrigado tecnico...da equipe do 'Gaucho' falando na Radio Veneto, falando para 'Electronica Fable' (sp?), concertos em geral..." QSB a la MW, rising and falling sigs every forty seconds or so, from QSA 0 to 2. Low pitch background het. Luckily, no UTE ORM at this time. (13-Apr/Ni-gro/DSWCI DX Window)

11704.9 *R. Transmundial*, caught part of canned ID at s/off, after a 30-min. prgr called "Resposta franca" containing suggestions on how to tackle problems of living together in marriage, "... a sua R. Transmundial pela Nova Visao, de Santa Maria, Rio Grande do Sul, uma emissora da Fundacao Brasileira da Comunicacao". Call signs given as ZYE857 5965, and ZYE858 11705, which is different from what the WRTH says. During the Q and A prgr, short references to "RTM" were noted as well as in-between ID's saying "Esta e a sua R. Transmundial" and "R. Trans-mundial, a radio que esta com a palavra". Fair signal. (19-Apr/Klemetz-COL/Dateline Bogota)

11724.8 *R. Novas de Paz*, canned ID 2130, "as ondas curtas da R. Novas de Paz, ultrapassando barreiras e chegando ate voce", followed by "Cruzada misionaria" prgr. Fq's mentioned in ID were 11725 [not so in WRTH], 6080 and 9515 kHz. Sudden s/off 2200 after TC for "7 horas". Fair signal. (18-Apr/Klemetz-COL/Dateline Bogota)

Radio Cultura de Foz do Iguacu, Parana State, has been split into two different companies, although keeping the same name Radio Cultura.

R. Cultura AM 820 kHz, 10 kW, belongs to Mr. Milton Rodrigues Filho and is managed by Mr. Wilson Batista. Addr. - Rua Marechal Floriano Peixoto 1123, P.O. Box 312, Foz do Iguacu PR Brazil, zip 85851-020, phone (045) 523-1133.

R. Cultura SW 6105 kHz, 7.5 kW, belongs to Mr. Antonio Cirilo and is managed by Mr. Francisco Pires dos Santos. Addr. = Rua Dom Pedro II 196, P.O. Box 84, Foz do Iguacu PR Brazil, zip 85852-520, phone (045) 574-3010.

The 97.7 MHz FM also belongs to Mr. Cirilo, but relays Rede Transamerica. The building is painted with Transamerica logo. The manager is Mr. Ary Lemos and the addr. is Avenida Costa e Silva 374, Foz do Iguacu PR Brazil, zip 85852-520, phone (045) 522-1977.

The former manager of old **R. Cultura** (MW + SW), Mr. Ennes Mendes da Rocha, is now retired. (DeCastro-BRZ)

BULGARIA *Radio Bulgaria* noted on new 13710 and 11660 with SS to Americas 2210. Also on new 5850 with Bulgarian 2120. (30-Mar/EDXP/Padula-AUS)

CAMBODIA 11940.4 *National Voice of Cambodia* with regard to the recent loggings of this station in the 1245 to 1300 slot. Ed Rausch and I have found that they have several regular periods of extended dead air. The first seems to run from 1246 most usually after program annncs from a male announcer and the second from 1250-1253 followed by annncs by a femal annrc. If you identify a station on that frequency but have no audio, stay around. Most likely they will beginrunning SEA MX or annncs soon. (Rippell/Cumbre)

CANADA *Radio Canada International* sked thru 26 October:

0000-0059	French	5960 9535% 9755 11940% 13670%
0000-0059	Spanish	9535 11940 13670 Su-Mo
0030-0059	Spanish	9535 11940 13650 Tu-Sa
0100-0159	English	9535& 9755 11715& 13670&
0130-0159	Spanish	9535 11715 13670 Tu-Sa
0200-0229	English	6120 9535 11715 Tu-Sa
0200-0259	English	6120 9535 9755 11715 13670 Su/Mo
0200-0259	English	9755 13670 Tu-Sa
0230-0259	French	6120 9535 11715 Tu-Sa
0300-0329	French	9760U 11835V
0330-0359	Arabic	9715S 11905W 11835V
0400-0429	English	9715U 11835W 11975V
0430-0459	Arabic	9715W 11835W 15215W 11975V
0500-0529	English	11835U 15430U 6050U 7295U Mo-Fr
0530-0559	French	11835U 15430U 6050U 7295U Mo-Fr
1200-1229	English	9660Y 15195Y
1200-1259	French	9650 15305
1200-1259	English	9640 11855 13650
1230-1259	French	9660Y 15195Y
1300-1325	Chinese	6150K 9660Y 11955Y

1300-1359	English	9640 11855 13650 Mo-Fr
1300-1559	French	15305 Su
1300-1559	English	11855 13650 Su
1330-1359	English	9535X 11795X 17820# 11935U 15325S 11935U 15325S 15305# 17820# 17895#
1400-1459	French	11935U 15325S 15305# 17820# 17895#
1430-1455	Chinese	6150Y 7285K 9680Y
1500-1559	Russian	6150Y 7285K 11935U 15325U 17820#
1600-1659	Ukrainian	9555U 11935U 15325 17820
1630-1657	English	7150X 9550X
1700-1759	Russian	9555U 11735U 15325 17820
1800-1859	Ukrainian	7235U 11905U 13670 15325 17820
1900-1959	French	5995U 7235U 11700 13650 13670 15150 15325 17820 17870
2000-2059	English	5995U 7235U 11690 13650 13670 15150 15325 17820 17870
2100-2129	English	5995U 7235U 11690 13650 13670 15150 15325 17820
2130-2159	French	9755 13740 15305 5995U 7235U 11690 13650 13670 17820
2200-2229	English	5960 9755 13670
2200-2229	English	13740 15305 11705Y
2230-2259	English	5960 9755 13670 Sa/Su
2230-2259	French	13740 15305 11705Y
2230-2359	English	5960 9755 13670 Mo-Fr
2300-2329	English	11940 15305 Mo-Fr
2300-2359	English	5960 9755 13670 11940 15305 Sa/Su
2330-2359	Spanish	11940 15305 Mo-Fr

%:—first half hour (Tuesday thru Saturday [UTC] and full hour (Sunday and Monday [UTC]))#:—Monday thru Saturday only K: Kimjae, Korea S: Sines, Portugal U: Skelton, England V: Vienna, Austria W: Wertachtal, Germany X: Xian, China Y: Yamata, Japan (RCI web site)

6030 kHz **CFVP** will probably be relaying progrs ofr a local Chinese group between 0400 and 0600 starting on Apr 16th, according to a Calgary newspaper. Apple Radio is aimed at immigrants from Hong Kong, so the bcs will be primarily in Cantonese although Suns may have Mandarin progrs. The groups studios will be at 901 Centre St. N. in Calgary. Apple 1060 will air nx from Hong Kong, local nx and weather, features, humor and musical selections that will include the CKMX 1060 playlist. There will also be phone-in shows. No mention was made of the SW relay in the press clipping, but I would suspect that it will be relayed intact. I will be checking on this one in the coming weeks. (5-Apr/Fisher-CAN/Cumbre Dx/WWDXC/Bueschel-FRG)

CHILE 3180.5a CD159 **R. Llanquihue**, Llanquihue (Pto. Montt), (2x1590), 0040 Soccer match: "Coquimbo vs. Palestino" w/ a show of goals!

Gave up listening at 0126, my ears were to tired! (6-Apr/Nigro/DSWCI DX Window)

Status of inactive Chilean stations by Felipe Aserjo: *Radio Agricultura* 9630—I met with their new General Manager, Horacio Hernandez, about two weeks ago. I asked them about their future plans for SW and I offered to help them get back on the air. Horacio was interested in doing so, but the station has no budget for this. Their old 10 kW transmitter was modified to operate on MW and was sold to a station in Los Angeles (CD120 on 1200 kHz). The station only has a 1 kW transmitter now.

Radio Minería's transmitter, 9750, and antenna were sold for scrap in 1991 when the station was having financial problems.

Radio Portales still has a transmitter but their antenna as taken down in 1990.

There are no plans to revive the SW operation as the st is facing financial difficulties.

Radio Universidad de Concepcion is having financial problems and their SW transmitter needs some tubes. The antenna is ok, though. The station is only on FM now as their MW operation has been sold to OCTAVA (CC68). (10-Apr/Cumbre DX/EDXP/Padula-AUS)

CHINA *Voice of Pujiang* noted on new 9705 *0955-1005 in Mandarin; opening with program preview, 1000 news, //4950 and 3280. Seems ex 7115. (7-Apr/van den Boogert/EDXP/Padula-AUS)

CNR-1 Observed on unlisted 15190 0243-0248 Mandarin; program about nutrition //9340, 15390. Also on unlisted 9845 0204-0230* Mandarin; News. 1010 string of ads for wine, cosmetics, medicine, 0215 show kindergarten kids, //9530, 9340, 9290, 18/4 (18-Apr/EDXP/Padula-AUS)

CRI 297: French 2030-2125 9890 (ex 7215) via Russia, 7110 7335 7800 9820; EE 2200-2255 9880 (ex 7170) via Russia. (13-Apr/RVI/van Oudheusden/EDXP/Padula-AUS)

Yunnan Kunming on 6936.6 kHz 1255-1305 in local dialect, Chinese mx til 1330. (4-Apr/Schulze-PHL/WWDXC/Bueschel-FRG)

CHINA-TAIWAN *VOFC 297*, to AU/NZ:

0200-0300	??	7130 11825 15345
0300-0400	??	11745 11825 15345
0900-1000	Mandarin	15345 15270 118915[sic] 9610
1000-1100	Amoy	15270 15345 9610 7130
1200-1300	??	7130 9610

(13-Apr/Boogert/EDXP/Padula-AUS)

Schedule for *Voice of Free China* in English effective to 26 October 1997 (some via WYFR/USA):

0200-0300	5950 7130 9680 15345
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0200-0300	11740 11825
0300-0400	11825
0300-0400	5950 7130 9680 15345
0700-0800	5950
1200-1300	7130 9610
2200-2300	15600 17750

(Chow-CAN/Crosby KA2RAF)

CLANDESTINE-ASIA *Radio of the Provisional Government of National Union and Salvation of Cambodia* is on the air on 5407 kHz from 2330-0130 and from 1130-1330. (15-Apr/Lohuis-LAO/WWDXC/Bueschel-FRG)

CLANDESTINE-MIDEAST The Iranian opposition station, *Voice of Iranian Kordestan*, announced this schedule:

0700-0800	Kurdish	3942-4000v
0800-0830	Persian	3942-4000v
1300-1430	Kurdish	3942-4000v
1400-1430	Persian	3942-4000v

(14-Mar/BBCM)

The following Iraqi opposition and Kurdish radio stations were observed on 31st March:

Radio of Islam, Voice of the Islamic Movement in Iraqi Kurdistan, was observed in Arabic from 1600-1650 on 4135, 4400 and 6305 kHz.

Voice of Rebellious Iraq in Arabic was observed on 6086 kHz from 1300-1530. It was also observed after 1930 on 1386 kHz.

Radio of Jihad, Voice of Iraqi Islamic Movement was observed from 1700-1900 on 1116 kHz.

Voice of Iraqi Kurdistan was observed on 4080 kHz (replacing 4070 kHz, which had been suffering from intense jamming for several days). The Iraqi Kurdistan regional government station, Harim Radio, which is observed from 1500-1600, has also switched to 4080 kHz.

At 1845 on 31st March, *Voice of Iraqi Kurdistan* announced that as of 1st April, its programs would be broadcast in accordance with the following schedule: 0345-0500 in Kurdish. 0500-0600 in Arabic. 1645-1800 in Kurdish 1800-1900 in Arabic 1900-2000 special programs in Kurdish and Arabic beamed to Europe and the Middle East.

Voice of Iraqi Islamic Revolution continues to be untraced. (BBCM)

COLOMBIA 6014.3 *R. Mira*, Tumaco, reactivated 2107 relaying football from Caracol basica (-810 and 5076.8) narrated by Edgar Perea. Same match, Independiente Santa Fe vs Quindío, was also relayed by Ecos del Atrato, 5017.6. (23-Mar/Klemetz/DSWCI DX Window)

CONGO 4765 Radiodiffusion-Television Congo-laïse, Brazzaville 1929-2019 Reactivated, heard trnx. to a tip from Piet Pijpers. Female speaker in French, mentioning Brazzaville and Congo regularly. Music in the background (instr. version of "Guantanamo-era"). List of names, time check, Afropop. Transmitter break at 20:11, back appr. 40 seconds later, with "Radio Congo"-ID at 20:17. //5985 (weak). (19-Apr/Veldhuis/DSWCI DX Window)

CROATIA English nx on R. Croatia 0605 & 0705 5920 7165 9830 kHz; 1205 5920 7165 13830; 2105 5895, 7165 kHz. (20-Apr/RVI RadioWorld/WWDXC/Bueschel-FRG)

CZECH REPUBLIC Radio Prague complete sked:

0000-0027	English	5930 7345
0030-0057	English	5930 7345
0100-0127	English	6200 7345
0130-0157	Czech	6200 7345
0200-0227	English	6200 7345
0230-0257	Czech	5930 7345
0300-0327	English	5930 7345
0330-0357	English	9480 11600
0600-0627	French	5930 7345
0630-0657	German	5930 7345
0700-0727	English	7345 9505
0730-0757	English	9505 11600
0800-0827	French	9505 11600
0830-0857	Czech	11600 21705
0900-0930	English	15640 17485
0930-0957	Czech	15640 17485
1000-1027	German	6055 7345
1030-1057	English	7345 9505
1200-1227	German	6055 7345
1230-1257	Czech	6055 7345
1300-1330	English	13580 17485
1330-1357	Czech	13580 17485
1400-1427	English	11600 13580
1430-1457	French	5930
1500-1527	German	5930
1530-1557	Czech	5930 17485
1600-1627	English	5930 17485
1630-1657	French	5930 15640
1700-1727	English	5930 15640
1730-1757	Czech	5930 15640
1800-1827	English	5930 11640
1830-1857	French	5930 11640
1900-1927	English	5930 11640
1930-1957	Czech	5930 11640
2000-2027	English	5930 11600
2030-2057	English	5930 11600
2100-2127	Czech	9440* 9495* 11600
2130-2157	English	9440* 9495* 11600
2200-2227	French	7345 11600+
2230-2257	English	7345 11600+
2300-2327	English	7345 9485
2330-2357	Czech	7345 9485

* Frequencies replace 11600 kHz from 8-Sep to 25-Oct+ Frequency is active from 5-May to 7-Sep only

(23-Mar/direct/van Oudheusden-HOL/BDXC/Nieuwenhuis-HOL)

ECUADOR HCJB observed on new 11990 with EE 2130-2157*. Also noted on new 5865 with EE to Europe 0800-0900, both on 4/4 (11-Apr/Hambly-AUS/EDXP/Padula-AUS)

EGYPT 9295 R. Cairo at 1505 with news in Arabic, by M/W then ID at 1510 with "idaatu l arabiya min hasemiya min(not clear here)" At 1515 with Quran then at 1530 with telephonic reports after a song play at half hour. News again at 1605 with ID at 1610 (again not clear) //10265 Suffered from a signal problem and bad modulation. I can presume it is a spurious signal. ID verified on 18 following another reception of Cairo's transmission on 31mb. Both good signals (15-Mar/Liangas/DSWCI "DX-Window")

ETHIOPIA Radio Ethiopia is heard at 1800 with news in Amharic on 9706.1, // 7110 as noted on Mar 1st. The 31mb transmitter has drifted up about 300 Hz over the past two months and the audio level is quite low. The External Service in English is aired at 1600-1700 with news at 1630 on 7165, 9560 & 11800 kHz. (March/Foster/OZDX/Cushen/WRR/Four Winds/Serra-IT)

FRANCE RFI noted on new 7350 with French 2120 (11-Apr/Padula-AUS/EDXP) RFI in French 1700-2000 5900 in lsb!, 2000-2200 in usb!, in Arabic 1600-1755 on new 11650 kHz. (4-Apr/Panlview-BUL/WWDXC/Bueschel-FRG)

GEORGIA Radio Georgia Z97 schedule:

0500-0600	Georgian	6080 Tu/Th
0600-0630	Romanian	11805
0630-0700	English	11805
0700-0730	German	11805
0800-0830	Georgian	11910
0830-0900	English	11910
0930-1000	English	11910
1600-1730	Georgian	6080 Sa/Su
1700-1730	Georgian	6080 Mo-Fr
1730-1800	English	6080
1800-1830	German	11910
1830-1900	English	11910
1930-2000	English	11760
2000-2030	German	11760
2030-2100	Romanian	11760

(4-Apr/Panlview-BUL/BCDX/EDXP/Padula-AUS)

Voice of Hope via Dusheti, Georgia is using 9315 kHz for English 1800-2000. Announcements during the program give a UK address for listeners' correspondence of PO Box 109, Hereford, HR4 9XR. (BBCM)

GERMANY DW Z97 notes: Error in published technical DW schedule -service to ex-Yugoslavia via Sines/Portugal 1200-1430 on 15545 with 250 kW, not 500 as listed. So are speculations about a new transmitter at Sines unfounded; again only 3 x 250kW Marconi units there. The 100 kW unit in Nauen, used for DW Ge 0600-1000 and 1300-2000 on 6140 and Radio Netherlands EE 1030-1230 on 9860, is now as last transmitter from Radio Berlin International again on the air. The old Komintern and BBC 500 kW units at Nauen are shut down, 500 kW frequencies completely transferred to new ALLISS units. [The Leipzig-Wiederau SW transmitter was shut down in 1991, Koenigs Wusterhausen site in 1994.] At Wertachtal they had to erect a new antenna for 75 meters to bring DW's 3995 night channel on the air. The Telefunken 500 kW transmitter can be tuned to these frequencies without modifications. (15-Apr/Ludwig-FRG/EDXP/Padula-AUS)

AWR via Julich Z97:

0300-0400	Bulgarian	5890
0400-0500	Romanian	5890
0500-0530	Hungarian	5890
0800-0900	Italian	7230 Sa/Su
1600-1700	Bulgarian	9835
1800-1900	Romanian	9835
1900-1930	Hungarian	9835
2000-2030	French	9830
2030-2100	English	9830
2130-2200	Dyu	9830

(direct/EDXP/Padula-AUS)

GREECE Voice of Greece sked thru 28-October:

0000-0350	Greek/English	6260	7450	9420	9935
0400-0555	Greek/AA/	7430	9375	9420	15650
	Turk				
0600-0800	Greek/English	7430	7450	9425	11645
0900-0950	Greek	15415	15650		
1000-1150	Greek/Turkish	9425	9915		
1200-1250	Greek/AA/EE	11645			
1200-1350	Greek/English	9375	15175	15630	
1400-1450	Greek/Arabic	7430	9420	11645	15630
1500-1700	GK/Alb/Serb/	9375	9420	11575	11645
	Bulg/Rom				
1710-1750	Greek/RR/Pol	9375	9425	11645	15630
1800-1850	Greek/English	11645	15150		
1800-2050	Greek	7450	9420		
1900-1950	Bulg/Alb/RR/	7430	9380		
	Serb				
2000-2050	EE/FF/GG/II/	7430	9380		
	Swe				
2100-2150	Greek	6260	7450		
2100-2250	Greek/English	7480	9425		
2150-2250	Greek	6260			
2200-2300	Greek	9395			
2300-2350	PP/SS/EE	9395	9425	9935	11595

(11-Apr/Humenyk-CAN)

GUAM KTWR has moved on to 11835 (ex 9430) 1330-1415 in Indian vernaculars (30-Mar/das Gupta-IND/EDXP/Padula-AUS) Also observed on new 11995 with Chinese 2230, ex 11580. (4-Apr/Padula-AUS/EDXP)

KSDA noted on new 11895 with Indonesian 2225, into Javanese dialect 2230, (4-Apr/EDXP/Padula-AUS)

HUNGARY Radio Budapest sked thru 26th October 1997:

0000-0100	Hungarian	6190	9810	11905
0100-0130	English	6075	6190	9580
0130-0230	Hungarian	6190	9840	11685
0230-0300	English	6190	9840	11910
0300-0330	Russian	3975	5915	7135
0330-0400	Ukrainian	3975	5915	7135
0400-0430	Romanian	3975	5915	7135
0430-0500	Croatian	3975	5930	7185
0500-0530	Slovak	3975	5915	7155
0530-0600	Serbian	5915	7155	9700
0900-1000	Hungarian	15210	17860	21670
1000-1100	Hungarian	15210	17860	21670 Su
1100-1200	Hungarian	5970	7215	9840
1200-1300	German	5970	7220	9820 Su
1300-1400	Hungarian	5970	7215	9760 Su
1430-1500	Russian	5975	7190	9830
1500-1530	Croatian	3975	6110	7220
1530-1600	Romanian	3975	6110	7105
1600-1630	Ukrainian	3975	6190	7105
1630-1700	Slovak	3975	7295	
1700-1730	Serbian	5990	7255	9590
1700-1800	German	3975	5990	9755 Su
1730-1800	German	3975	5970	9755
1800-1900	Hungarian	3975	7155	9755
1900-1930	English	3975	7155	9755
1930-2000	Serbian	7155	9835	Su
1930-2000	German	3975	7155	9755 Mo-Sa
2000-2100	Hungarian	3975	7105	9835
2100-2130	English	3975	7250	9835
2200-2300	Hungarian	6085	9835	11905
2300-0000	Hungarian	6085	9835	11905 Su

(31-Mar/direct/BDXC/Nieuwenhuis-HOL)

ICELAND Z97 sked for *Icelandic Radio*:

1215-1300	11402	13860
1410-1440	11402	13860
1855-1930	7735	9275
1935-2010	11492	13860
2300-2335	9275	11402

(Direct/EDXP/Padula-AUS)

INDIA All India Radio is now using 9595 at 0015-0430 (instead of starting at 0100) by dropping 7170 EE 2245-0045. EE at 2245-0045 now runs on 11620 9705 to SEA and on 11620 9950 to NEA. 11620 is from Bangalore using two 500 kW transmitters, on two different antennas and headings. (28-Mar/das Gupta-IND/EDXP/Padula-AUS)

AIR M97—EE home service news:
 0030-0035 7110 11870
 0245-0300 3945 6045 7110 11830 15135
 0730-0735 15185 15260
 0830-0840 7250 15185 15260
 1135-1140 9595 11620 11710 15185
 1230-1235 4860 6150 17860
 1430-1435 3945 6150 9565 9835
 1435-1435 9565 (sports)
 1530-1545 3945 6150 7140 7410 9565 9700 9835
 9910 11740
 1730-1735 6150 7140 9565 9835
 (14-Apr/das Gupta-IND/EDXP/Padula-AUS)

AIR Shima verifies by letter and lists their schedule on shortwave as 0045-0200 on 3223, 0215-0400 on 6020, 1130-1230 on 6020, and 1300-1700 on 3223 kHz. The schedule varies somewhat on weekends. The power is 50 kW. (March/Cushen-NZ/ODXA World Radio Report/Clark-CAN)

AIR Kurseong was noted Mar 1st closing at 1741. Note that the local evening schedule was accidentally deleted in WRTH97. (March/OZDX/Foster/ODXA World Radio Report/Clark-CAN)

INDONESIA

3125v **RPD Halmahera Tengah** 1312 Telephone conversations. S/off at 1433. Poor. (23-Mar/Yamada-JPN/Jembatan DX)
 3231.8 **RRJ Bukittinggi** 1445 Local pops. 1500 Jakarta nx relay. On Mar 22, the station was heard on 4910.5kHz. (22-Mar/Yamada-JPN/Jembatan DX)
 3976.0 **RRJ Pontianak** 1110 Tlk by M. 1115 CM. 1117 Instrumental mx. 1125 Local pops. 1127 CM. 1129 IS. 1130 Local nx "Warta Berita Daerah". Fair. (5-Apr/Yamada-JPN/Jembatan DX)
 3996.1 Unidentified. 1558 Local pops. 1600 Jakarta nx relay (RPK was not heard before nx). 1605 Local mx. Poor. (22-Mar/Yamada-JPN/Jembatan DX)
 4606.4 **RRJ Serui**. 1520 Local pops. 1525 Closing anmt by M w/Love Ambon. S/off at 1528. (20-Mar/Yamada-JPN/Jembatan DX)
 4766.0 **RRJ Medan**. 1439 Local pops. 1458 RPK. 1500 Jakarta nx relay. Suddenly s/off at 1506. Poor. (5-Apr/Yamada-JPN/Jembatan DX)
 4910.5 **RRJ Bukittinggi**. 1546 Lagu Melayu. Suddenly s/off at 1558. Poor. (22-Mar/Yamada-JPN/Jembatan DX)
 5040.0 **RRJ Pekanbaru**. 1643 "Angkatan Bersenjata". 1658 RPK. 1700 Jakarta nx relay. 1705 Closing anmt & chime. S/off at 1706. Fair. (5-Apr/Yamada-JPN/Jembatan DX)

6153.9 **RRJ Biak**. 0926 Islamic mx. 0929 ID by M "Inilah Radio Republik Indonesia Biak", then local instrumental mx. 0942 Local pops. Fair. (6-Apr/Yamada-JPN/Jembatan DX)
 7173.25 **RRJ Serui**; 0846-0902 good, dangdut mx. ID at 0902, then Holy Quran. (12-Apr/Nozaki-JPN/Relampago DX)

RRJ Pekanbaru on 5040kHz changed sign off time from 1515 to 1705 in the middle of March. (Yamada-JPN/Jembatan DX)

In the beginning of March, **RRJ Serui** on 7173.1kHz signed off at 1530, but on March 18 the station changed schedule. Frequency on evening program was only 4606.3kHz. Sign off time was still 1530, and morning program was also used 4606.3kHz. According to my monitoring on 4 April, the morning program was on 7173.2kHz. This needs checking. (Yamada-JPN/Jembatan DX)

RRJ Pontianak has moved down slightly, from 3976.8kHz to 3976.0kHz. First noted on 5 April 5. (Yamada-JPN/Jembatan DX)

The official schedule of **RRJ Cirebon** lists 2390, a 1 kW TCA transmitter, in use from 2200-0300 and 0900-1700, although it's presumed inactive. (Yamada-JPN/Jembatan DX)

Indonesia Survey 17/3-30/3 on location: Sulawesi (Rantepao) 16/3-25/3, Lombok (Gili Meno) 26/3-30/3, Bali 31/3-5/4 All frequencies are app.—W=weak, F=fair, S=strong signals

2425 UNID, sounded official 29/3 2225. W

2432 UNID, maybe Banda Aceh? 26/3 & 27/3 1425. W

2495 UNID 26/3 1425. W

2582 **RSPDT2 Timor Tengah Selatan**, Soe 17/3 1125. W

2695 **RPD2 Ende** 17/3 1125 S 28/3 2230 F 30/3 0930-1120+ F

2745 UNID 28/3 1020 W (maybe same as 2755?)

2755 UNID 18/3 2130 Warta Berita—W

2900 **Rama Radio** quite prof. 19/3 1435 F 26/3 1445 F 27/3 s/off 1405 W 28/3 1030

2960 **RPD2 Manggarai**, Rutang 17/3 1115 17/3 2208-2305+ 18/3 1305-1415+ but gone recheck 1435 22/3 1530 but gone recheck 1540 27/3 1345 gone recheck 1405 28/3 1040 28/3 2255-2312+ 30/3 0930-1010+ 3015 UNID seemingly professional not amatir 28/3 English/Indo lesson s 2300 right into BBC E nx!

3075 UNID 17/3 2215-2225+ 18/3 2205-2230+ 19/3 1415-1435+ 22/3 1535-1540+ 26/3 1430 27/3 1437-1515+ 27/3 1345-1405+

- 3100 UNID 27/3 1100-1345+ gone 1405 W
- 3125v *RSPDT2 Halmahera Tengah*, Soasio—bad modulation. 26/3 1430 on 3120, remainder on 3125a: 17/3 1117 17/3 2203-2225+ W 18/3 1310 (gone 1435) 19/3 1415
- 3165 UNID 26/3 2355, at 0000 Warta Berita S 27/3 1455-1515+ Warta Berita 30/3 0940 S
- 3175 UNID 27/3 bad modulation, strong 2255 lagu populer 2300 Warta Berita (Maybe same as 3165+)
- 3215 *RRI Manado* 17/3 1130 17/3 2235-2325+ 19/3 1310-1410+ 1415 gone 22/3 1513-1558+ 27/3 1350, 1408 gone 28/3 2235 S
- 3223 *RRI Mataram* 17/3 1130 17/3 2155-2320+ 19/3 1313-1415+ 22/3 1513 30/3 2130
- 3232 *RRI Bukittinggi* 17/3 2225 18/3 2320 W 19/3 1313-1435+ 27/3 1350-1410 S 27/3 1500-1515+ F 29/3 2030 30/3 2145 gone
- 3250 *RRI Banjarmasin* 17/3 1130 17/3 2130-2225+ 19/3 1313-1435+ 22/3 1500+, gone 1515
- 3265 *RRI Gorontalo* 17/3 1130 17/3 2135-2312+ 18/3 2225 S 21/3 0850 F 22/3 1515-1600+ gone 1605 28/3 2230—e.g. observed with advs for Garuda and "Indonesia Direct"
- 3265 *RRI Bengkulu* (p) 17/3 2135 18/3 2235 28/3 2230
- 3295 *RRI Samarinda* 17/3 1130 18/3 1300-1435+ 27/3 1353-1513+ F
- 3325 *RRI Palangkaraya* 17/3 2300 18/3 2235-2305+ 18/3 1329-1435+ 22/3 1515-1600+ gone 1606 27/3 1355-1411+ S gone recheck 1513 30/3 2140 S
- 3345 *RRI Ternate* 17/3 1130 17/3 2135-2305+ 18/3 2220-2320+ S 19/3 1329-1432+ 22/3 gone 1515 27/3 1355 S gone 1410! 29/3 2035 30/3 0940 S
- 3395 *RRI Tanjungkarang* 17/3 1130 17/3 2300 18/3 2300-2320+ 19/3 1330-1432+ 22/3 1515-1545+ 27/3 0000 27/3 1355-1513+ 30/3 0940
- 3542 *RSPDT2 Sumba Timur* 17/3 1130 18/3 1330-1427+ 27/3 1513 S
- 3635 UNID—RPDT2 Buol? 18/3 2238 W
- 3646 UNID—RRI Fak-Fak? 17/3 1130 W 18/3 2240 W
- 3660 UNID 18/3 2240 W
- 3905 Empty, only PNG until 28/3 2230 W, Merauke?
- 3934 *RRI Semarang* (p) 27/3 1510 Warta Berita. Very weak
- 3960 *RRI Patu* 17/3 1130 17/3 2300 18/3 2240 S 19/3 1340 21/3 s/on 0857 22/3 1545-1600+ F 26/3 1440 F 27/3 0000 W 30/3 0945 S
- 3978 *RRI Surabaya* (?) 17/3 1137 S 18/3 2300 18/3 2240 S 19/3 1340 S 22/3 1545-1600+ S 26/3 1440 S 27/3 0000 F 27/3 1415 F/S 28/3 2235 S 29/3 2040 S 30/3 not there 0930 but OK 1000—I am not 100% sure now that it was Surabaya but I noted down Surabaya ID, so ... seemingly NOT Pontianak. But everybody says Pontianak, so probably I was wrong??
- 4000 *RRI Kendari* 17/3 2300 18/3 2245 S 19/3 1340 21/3 0845 22/3 1545 26/3 1440 27/3 0000 28/3 2230 S 30/3 0945 S
- 4003 *RRI Padang* 20/3 1545 28/3 2230 W
- 4606 *RRI Serui* 17/3 1140 17/3 2208-2305+ 18/3 2240 W 22/3 1513 gone 1600 27/3 1507 S 30/3 0925 W/F
- 4697 *RRI Surabaya* 17/3 1140 22/3 1530-1600+ 26/3 1430 27/3 1415-1505+ 28/3 1140 30/3 0925 S
- 4753 *RRI Ujung Pandang* 17/3 1140 17/3 2130 21/3 0845 22/3 1510-1605+ 26/3 1435 27/3 1415—very regular and always strong
- 4765 *RRI Medan*, not heard until 27/3 1505 F 28/3 F/W
- 4777 *RRI Jakarta* 17/3 1130 17/3 2130 18/3 2245 22/3 1510-1605+ 26/3 1435 27/3 1420—always strong with bad mod.
- 4790 *RRI Fak-Fak* 17/3 2130-2305+ 18/3 2245
- 4805 *RRI Kupang*?? 18/3 2245 very weak
- 4845 *RRI Ambon*? Strong hets 17/3 1145 17/3 2305, also other days, but Malaysia QRM
- 4925 *RRI Jambi* 17/3 1145 17/3 2300 18/3 2245 22/3 1528 26/3 1435 W 27/3 1435 S 29/3 2040 S 30/3 0940 S
- 5040 *RRI Pekanbaru* 17/3 1145 17/3 2300 18/3 2300 22/3 1500-1526+ 26/3 1440 S 27/3 1420 S
- 5046 *RRI Yogyakarta*? 18/3 2245 very weak
- 5059 *RRI Yogyakarta* 22/3 1500 gone 1525 26/3 1435
- 5988 *RRI Manado* (p) 30/3 0700 Warta Berita—strong, but very bad modulation
- 7270 30/3 0657 IS, "Inilah Suara Indonesia"
- 9552 *RRI Ujung Pandang* 22/3 0735 S
- 11885 *RRI Jakarta* 30/3 0710 with advs for Garuda, Indo talk //9565, 11750, 11785, 15125 (Krone) (Krone/DSWCI DX Window)

IRAN VOIRI, 297 sked:

0030-0130	English	6050 9022 9665
0030-0130	Bengali	9570
0130-0230	Hindi	9570
1100-1230	English	7180 9585 11875v 15260v
1330-1430	Urdu	9585 11875

1330-1600	Arabic	11995
1430-1530	Bengali	7215 9550v
1530-1630	English	7215 9550
1630-1725	Uzbek	7215
1630-1725	Amharic	5995 9615
1700-1727	Swahili	7160 9685
1730-1927	Bos/Alb/II	7140 7340 9615 9715
1930-2030	English	7260 9022
1945-2025	Hausa	9605
2130-2230	English	6165 6175
2130-2230	Bosnian	7100 7140 9720

(14-Apr/das Gupta-IND/EDXP/Padula-AUS + 4-Apr/PanView-BUL/WWDXC/Bueschel-FRG)

IRAQ The following Iraqi domestic and external radio services were observed during checks on 31st March and 1st April: *Mother of Battles Radio* was observed signing on at 1700 on 1st April on 3935 kHz. The radio announced that it broadcasts on 693 kHz to the Arabian Peninsula and the Arabian Gulf; on 1377 kHz to Syria, Lebanon, Palestine, Jordan and Egypt; and on 9745 kHz to the Arab Maghreb countries. However, attempts to trace the radio on these frequencies were unsuccessful. The frequency 693 kHz relayed the Iraqi Radio's main program throughout, although it had carried *Mother of Battles Radio* the previous day. No Iraqi radio services have been observed on 1377 kHz for several months. The radio has also not been traced on or around 9745 kHz during repeated checks this year.

Republic of Iraq Radio's Kurdish service was observed on 6560 until fadeout at around 1700. Republic of Iraq Radio's Voice of the Masses service could not be traced on any of its listed frequencies. (BBCM)

Voice of the People of Kurdistan, the radio station of the Patriotic Union of Kurdistan, announces sked:

0300	4120
0900	6015
1700	4120

(BBCM)

IRELAND *West Coast Radio's* Summer Schedule:

0100-0200	9875 Th
1500-1600	6175 Sa
1900-2000	15625 Th

(Direct/EDXP/Padula-AUS)

ISRAEL *Kol Israel* sked to 13 September:

0300-1900	Reshset Bet(Hebrew)	15615
0300-2130	Arabic	5915
0400-0415	English	7465 9435 17545
0500-0515	French	7465 9435
0600-1000	Arabic	15480
0600-2100	Hebrew	17545
0700-0800	Weekly Review (Hebrew)	11625

0900-1100	Midday News (Hebrew)	11625
1000-1030	French	15640
1200-1215	Bucharian	11605 11695
1200-2130	Arabic	15480 9815
1215-1230	Georgian	11605 11695
1400-1430	English	12080 15650
1400-1500	Persian	9435 11695
		15640 Fr/Sa
1400-1525	Persian	9435 11695
		15640 Su-Th
1400-1600	Reshset Bet (Hebrew)	11585
1500-1525	Tatian	7395 7465 Fr
1530-1545	French	12080 15650
1600-1625	Yiddish	9365 9435 11585
		11605

1625-1635	Spanish	9365
1625-1645	Romanian	9435 11585
		11605
1635-1645	Mugrabian	9365
1645-1700	Ladino	9365
1645-1700	Hungarian	9435 11585
		11605

1700-1725	Yiddish	9435 11585
		11605
1700-1745	News From TV (Hebrew)	9365

1730-1855	Russian	7465 9435
1900-1925	English	7465 9435 11605
		15640

1900-2115	News From TV (Hebrew)	11585 13640
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1930-1950	French	7465 9435 11605
		15640

1950-2000	Spanish	7465 9435 11605
		15640

2000-2115	News From TV (Hebrew)	15640
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2100-0600 Reshset Bet (Hebrew)9388 (Kol Israel web page)

ITALY AWR via Forli, 297:

0630-0700	French	7270
0700-0800	Arabic	7270
0800-0900	Italian	7230 Mo-Fr
0900-1000	German	7230
1000-1100	Arabic	11610
1100-1200	Italian	7230
1200-1300	German	7230
1300-1330	French	7135
1330-1400	Arabic	7135
1400-1500	Arabic	7135

(direct/EDXP/Padula-AUS)

JAPAN As you may know from reading the PWBR and the WRTH, Japan has some low-powered relays of some of its domestic services on shortwave. When I lived in Colorado, I was able to hear some of these relays from time to time. During my recent expedition to Hawaii, I was able to hear a few of them ev-

eryday. What was frustrating is that they never ided (at least from what I could tell), even at sign off. I asked Mr. Sonny Ashimori of Japan for his help and here is his wonderful reply (Johnson): I can add nothing to the transmission schedule published in the WRTH, but they seem to be on almost every day and I hear them with excellent reception. These shortwave relays do not identify themselves, not even when they sign on or off (unless that coincides with the main station's ID time). They simply relay the AM radio programming of the particular stations they originate from, some Radio One (general), others Radio Two (educational), as you can see in the WRTH. NHK domestic AM radio IDs are heard at 50 seconds past the following times during the day:

Radio One: 1959 (s/on), 2059, 2359, 0259, 0959, 1159, 1459*

Radio Two: 2029 (s/on), 1219, 0029, 0719, 1319, 1459 (s/off)*

On most nights Radio One does not sign off. They broadcast all night, then start a new broadcast day at 5 AM (2000 UTC). ID form is always "(location) Dai-Ichi (or Dai-Ni) Hoso desu. (call letters)," e.g. Radio One: "Osaka Dai-Ichi Hoso desu. JOBK." Radio Two: "Osaka Dai-Ni Hoso desu. JOBB." Some stations omit the verb "desu" after the station name. (26-Mar/Ashimori-JPN/Cumbre DX)

297 sked for **NHK-YAMATA** transmissions in extended bands:

9825	2000-0000
9835	0600-0700, 0800-1000, 1600-1800
9855	0900-1600
11665	2100-0000
11690	0915-1015
12030	0600-0700
13630	0430-0530, 2000-2200, 2230-0000
13650	0100-0400
13700	0300-0400
15475	0430-0530
15500	0100-0300, 0600-0700
15590	0100-0400
17685	0300-0400, 0430-0530

(direct/EDXP/Padula-AUS)

Most recent English schedule for **Radio Japan**, per announcements on the air: English General Service

0000-0100	6155(UK) 6180(UK)
0100-0200	11790 13630 15500 15590 17810 21610 11860(S) 11890 (SL)
0300-0400	17685
0500-0600	11840 6110(C) 7230(UK) 11920(S) 13630 15230 11895(FG)
0600-0700	9835 11840 11910 12030 15230 15550 17810 5975(UK) 7230(UK) 11740(S) 11920(S)
0700-0800	11840 11910 17810 11920 11850 7230(UK) 11740(S) 15230(G) 17815(ASC)
1100-1200	7125 11815 6120(C)

1200-1300	?? (Hope to get these soon)
1400-1500	7200
1500-1600	7200 7240 9535 9750 11730 15355(M)
1700-1800	6035 7110 7200 7225 9535 9835 11730 11880 (SL)
2100-2200	13630 6035(S)

UK=Skelton Relay S=Singapore Relay SL=Sri Lanka Relay C=Sackville, Canada Relay FG=French Guiana Relay ASC=Ascension Island Relay

Note: Some freq. of 0500-0600 end at 0530. (Robert K.)

KIRIBATI 9809.93 *Radio Kiribati*, 0535-0559, hr'd first time on this NF w/continuous selections of distinctively island music, albeit at very weak level; 0559 unreadable anmts by woman followed by presumed R. Australia news by man 0600 but signal faded right into the mud. Tried for this after noting unusually good WWVH on 10 MHz at 0500. (8-Apr/Clark-CAN)

KOREA-NORTH 3025 kHz *Young Soldiers Broadcasting Station* presumed the one reactivated here. 1530-1630 not //1615 (separate programs of similar contents are aired simultaneously). Endless war drama, patriotic songs, soldiers shouting "Long live Comrade Kim Il Sung!" etc. No ID heard today. This st was not heard on this freq for quite some time. (4-Apr/Ashimori-JAP/Cumbre Dx/WWDXC/Bueschel-FRG)

R. Pyongyang new 4405 kHz at 1215-1230, Spanish progr feeder, to SoAM.//6575 9975 11335 kHz. (4-Apr/Schulze-PHL/WWDXC/Bueschel-FRG)

KOREA-SOUTH RKI 297 new services: 9640 0800-0900 Japanese // 5975 7275, 9640 0000-0100 Japanese //11810. (4-Apr/Ashimori-JPN/DXW/EDXP/Padula-AUS)

LAOS The External Service of the *Lao National Radio* is on 1030 kHz only. (15-Apr/Lohuis-LAO/WWDXC/Bueschel-FRG)

MALAWI 3380 *MBC* Limbe 1955-2020 EE Reading of a locally written and produced play "Letter from a Dead Man" I/D W NX concentrating on local southern African items, mostly read in Chichewa, one or two short EE items on to pop MX. 22222 due to the ever present RITY signal. Much better LSB— Seems he is still there but not always audible, or does he only use this frequency weekends? (18-Apr/Clemitsen/DSWCI DX Window)

MALAYSIA The *Voice of Malaysia* external service in English is not operating as listed in WRTH: English is actually aired at 0455-0825 on 6175, 9750 and 15295 kHz. (Padula-AUS/EDXP/ODXA World Radio Report/Clark-CAN)

4895 **R. Malaysia, Kuching** often, e.g. 2300. Also 4835, 4845, 5005 observed (18-Mar/Krone/DSWCI DX Window)

4970 **R. Malaysia, Kota Kinabalu** gave ID as such 28/3 0818 Fair/strong (28-Mar/Krone/DSWCI DX Window)

9750 **Voice of Malaysia** 0715 English lang service with Creedence Clearwater Revival //15295—both strong (30-Mar/Krone/DSWCI DX Window) 9750 Voice of Malaysia with Malay song of Ziana Zain at 1718 21x31coQRM with a arabic station which 60% covered them. (2-Apr/Liangas-GRC/DSWCI DX Window)

MALDIVES Voice of Maldives will return to shortwave, probably later this year. The current MW transmitter, located in Male, is unable to provide reliable reception to the atolls in the southern part of the country. Australia, which has donated much of the Maldives' other transmitting equipment, has agreed to provide a shortwave transmitter. The President of the Maldives will soon be travelling to Australia for the handing over of the transmitter. It is estimated that the transmitter will use a frequency in the 60mb and have a power of 1.5 kW. All of this per Ahmed Ibrahim Didi, who lives in the Maldives and is monitoring the situation. (Didi/Cumbre DX/ODXA World Radio Report/Clark-CAN)

MONACO Z97 sked for **TWR**-Monte Carlo shows EE: 0645-0655 Sat-Sun, 0655-0820 Mon-Fri, 0655-0835 Sat, 0655-0850 Sun, all on 9755 for Europe. (Peachman/EDXP/Padula-AUS)

MONGOLIA R. Mongolia is well heard on 9720 at 1500-1530 EE. (3-Apr/das Gupta-IND/EDXP/Padula-AUS)

MOZAMBIQUE 3277 *Delegacao de Beira* Dondo 2006-2020 Swahili M Regional NX mentions made of almost all Southern African countries but NX remained principally that of ex-Portuguese Colonies. (28-Mar/DSWCI DX Window)

MYANMAR 6570.01 *Defense Forces Bc.*, 1055-1101. Vernacular, asiatic folk mx by chorus, talks M & F, probably ID at 1059 w/drums, then music. (29-Mar/Barrera-ARG)

NETHERLANDS ANTILLES RN-Bonaire noted on new 11880 with SS at 2230, bad QRM co-channel RAI-Rome. (4-Apr/EDXP/Padula-AUS)

NORTHERN MARIANAS Z97 final sked for **KFBS** includes the following services: EE: Wednesdays 1830-1900 on 9465 to C. Asia; Mg: 1100-1130 11650; [sorry, don't know what "Mg" means—AQ] GG: 1830-1845 Sun, 1845-1900 Sun/Fri 9465 to C. Asia; Uighur: 1600-1615 9495; Indonesian dialects:

0800-1230 15380 (Banjarese, Gorontalo, Makasarese, Buginese, Sudanese, Javanese, Indonesian); Kazakh: 1545-1600 Fri/Sat 9465, 1615-1630 Tue/Wed 9495; Vietnamese: 1300-1400, 1400-1430 Mon Tue Thu Fri Sat on 9670; Malaysian: 1430-1530 9670. Freq usage: Transmitter 1: 11650 0855-1400 9465 1400-1900

Transmitter 2: 9495 0955-1630 15380 0800-1100 9670 1300-1530. (Padula/EDXP)

PAKISTAN R. Pakistan in English 1600-1630 new 7211.7 new 11565.1 new 11820.1 (x9513.5 x11570 x11935) 9485 15555. Tamil sce at 1030-1130 noted terrible audio quality on v15516.1 kHz. Islamabad in Urdu at 1700-1900 on odd v5827.1 kHz. // 11570.1. In Urdu 1330-1530 new 11565.1 (x11570.1) 9485. (4-Apr/PanIview-BUL/WWDXC/Bueschel-FRG)

PAPUA NEW GUINEA NBC Port Moresby has a new schedule: 2200-0900 on 9675; 1930-2200 and 0900-1200 on 4890 kHz. They also now run all night, 1200-1930, on 4890 but generally only announce as 100FM. During the all-night broadcasts, reference is made to the fact Port Moresby still has a curfew from 10pm-4am. (March/Cushen-NZ//ODXA World Radio Report/Clark-CAN)

2410 **R. Enga** @ 1015 w/ island mx and male anncr. ID at 1032 by M and ment's of Enga followed. (10-Apr/Rippel-HATDX/DSWCI DX Window)

3205 **R. West Sepik** (p) weak with E news 1100 // 3235 3305 3335 (28-Mar/Krone/DSWCI DX Window)

3205 **R. West Sepik** @ 1115 w/ Pacific style mx. Female anncr in pidgin 1130 but no ID. Good lvls & unusual over Morobe (3220). Nearly gone by 1140 (13-Apr/Rippel/DSWCI DX Window)

3235 **R. West New Britain** @ 1006 w/ end of news ment's New Britain by M into usual local music. (Rippel-HATDX/DSWCI DX Window)

3290 **R. Central** @ 1050 (P) w/ more contemporary mx fading with 3315, 3205, et al. Talks by M and gone by 1134. (13-Apr/Rippel/DSWCI DX Window) R. Central (p) with the last bars of NA 2200 (18-Mar/Krone/DSWCI DX Window)

3305 **R. Western** 18/3 close 2200 NA fair 2145 E time check, songs—fair (30-Mar/Krone/DSWCI DX Window) @ 1112 w/ talks in Pidgin by M. Ment's Port Moresby (10-Apr/Rippel-HATDX/DSWCI DX Window)

3315 **R. Manus** (p) 29/3 South Sea songs //3305 2025 (Krone, 29/3) also 0945 (30-Mar/Krone/DSWCI DX Window)

3365 **R. Milne Bay** @ 1058 w/ island type mx. Pause at 1100 and ID at 1101 by M. (10-Apr/Rippel-HATDX/DSWCI DX Window)

- 3385 **R. East New Britain** (p) 1040 Fidgin, local choir songs. Fair (Krone, 28/3) 1025 (30-Mar/Krone/DSWCI DX Window)
- 3905 **R. New Ireland** (p) 1100 E news, but not parallel with E news on other PNGs? (29-Mar/Krone/DSWCI DX Window)
- 4890 **NBC Port Moresby** was booming in most local mornings and evenings (16-30 Mar/Krone/DSWCI DX Window)

PARAGUAY per **Radio Guaira**, station slogan is "voz de progreso y cultura en el corazon de la patria." The station runs on ZP6 840kHz, ZPA6 5975kHz and ZPV6 103.5MHz. The shortwave outlet is currently scheduled at 0500-2200 local time. Transmitting plant is located at Av. Espana y Bvar. Yegros. (Nozaki-JPN/Relampago DX)

PERU 4004.9 **R. La V del Campesino** is gone. (Klemetz-COL/Dateline Bogota)

4419.3 A letter from **R. Bambamarca "Frecuencia Lider"** (4419.3 kHz), Carlos A. Peralta says they will put yet another signal on SW, on approx. 4300, in a few weeks time. The strn will be called Estacion Norte. The new R. San Juan, on 4420, has not been bothering too much, he said. (Klemetz-COL/Dateline Bogota)

4830.6 **R. Lircay** once more in the clear during R. Tachira outage, 2230-2320. (19-Apr/Klemetz-COL/Dateline Bogota)

4870.09 **Radio Majestad**, Huancayo; *1100-1137 p signal. Many huaynos and several canned IDs. "Transmite Radio Majestad desde la inconstante ciudad de Huancayo, en el Departamento de Junin, Peru.", "Radio Majestad, sintonia total, con sus estudios en Calle Real 1033 oficina 302 ciudad de Huancayo, Peru." Many thanks PFA for this tip viz Chasqui DX 99. According to the frequency list of MTC issued in January 1997, "Radio Majestad S.A." was licensed to make an experimental transmission for one year, on the frequency of 4870.0kHz with an output power of 1kW under the Ministerial Resolution No.0230-95-MTC/15.17, dated June 28, 1995. Its callsign is OCX4T. When I visited Sonorama Radio (OCY4G 1100kHz) at Calle Real No.270, El Tambo in Huancayo, in January 1995, the station owner informed me that they were planning to establish a new shortwave station in Huancayo using the former shortwave transmitter of Radio Pampas (4854.3kHz). As far as I remember, Radio Pampas ceased its transmission several years ago, and shortly afterward, its transmitter was transferred from Pampas to Huancayo. The registered address is Calle Real No.420, but "Calle 1033 oficina 302" should be correct one. (12-Apr/Nozaki-JPN/Relampago DX)

4914.43 **Radio CORA del Peru**, Lima; 0800-0820 fair, canned full ID "Transmite Radio CORA del Peru, onda media OBZ4W en 600kHz y onda corta tropical OAZ4N en 4915kHz desde Lima, Peru.", then into

non-stop "musica bailable" px. (12-Apr/Nozaki-JPN/Relampago DX)

4969.13 **Radio Imagen**, Tarapoto; 1006-1050 fair, the first morning show "El Tuta Tuta Madrugador" with varied music and light talk, was produced by Harry del Castillo. The Quechua word "Tuta Tuta" means "between light and dark" in English. Announcer said the program was on the air at 0500-0630 local time from Monday to Saturday. At 1029 the station identified itself as "Desde Tarapoto para San Martin, el Peru, y el mundo, por los 102.3MHz frecuencia modulada estereo, 1160kHz onda media, 4970kHz onda corta banda internacional de 60 metros, transmite Radio Imagen, la radio que hace amigos." (12-Apr/Nozaki-JPN/Relampago DX)

5014.8v **Estacion Tarapoto** has been off the air for months. (Klemetz-COL/Cumbre DX)

5024.98 **R. Quillabamba**, 2240-2303 with a special program by the Eastern week. (27-Mar/Barrera-ARG)

5470.73 **Radio San Nicolas**, Rodriguez de Mendoza; 1126-1130 weak signal. M talk and OA folklore. (5-Apr/Nozaki-JPN/Relampago DX)

5766.98 **Radio Universal**, Moyobamba; slightly drifted down from 5767.12kHz. Noted at 1130. signal was weak. (5-Apr/Nozaki-JPN/Relampago DX)

5926.55 **Radio Peru**, San Ignacio; 1131-1140 p. Folklore cajamarquino and saludos. (5-Apr/Nozaki-JPN/Relampago DX)

6018.14 **Radio Victoria**, Lima; 0823-0834 fair signal, religious px "La Voz de la Liberacion". // with its 31mb outlet. (12-Apr/Nozaki-JPN/Relampago DX)

6045.33 **Radio Santa Rosa**; 0840-1137 poor, it is currently operating for 24 hours on shortwave. (12-Apr/Nozaki-JPN/Relampago DX)

6096.3 **R. Interoceanica** (t) thanks PFA tip. Most days just a het about 1100, but finally got some audio (guys talking in Spanish) at 1050 on the 25th. I don't think their sign on is at 1000 as the channel is clear at this time. I believe that Monitor Radio starts at 1030 and this is when things get tough. (22-26-Mar/Johnson/Cumbre DX)

6261.1 "**Radio JL**" is what I am hearing here, s/ on 2345z and probably on the air until 2300, if one is to believe their ann'cts. On Mar 25, an ID at 0110, in the course of music progr "Noches variadas", ran like this: "Esta es Radio JL que transmite del centro comercial de Consuelo para toda la region San Martin". Ads for establishments in Consuelo, which I cannot find on any map, viz. Electronica El Futuro, Taller de mecanica El Magnifico, Comercial Jaen. From the ID one might conclude that Consuelo is the name of a shopping mall, but from DJ small talk it rather seems that Consuelo is a village, located perhaps not too far from San Pablo, which, in turn,

is in the vicinity of Saposoa. Greece-6260 provides quite a lot of QRM. (Klemetz-COL/Cumbre DX)

6797.8 R. *Ondas del Rio Mayo* has been using a 1 kW Petrick transmitter for about a week only. The transmitter was recently brought back from Lima, said mgr Edilberto Peralta Lozada when I called him on the strn's brand new phone, +51 94 560006. He was happy to learn that they are getting out a lot better now than before. In canned anncts, the strn says they are on MW 1490, call sign OBX9N, and 94.5 FM stereo. SW is not mentioned, though. [Just for the record, the cordillera next to Nueva Cajamarca is called Mamanhuasi, not Huamanhuasi, Peralta explained]. In principle, Peralta will QSL, "but some letters are lost in the mail, you know", he said. (Klemetz-COL/Dateline Bogota) [most likely the ones without the \$\$ in them...-AQ]

9721.63 *Radio Victoria*, Lima; 0821-0823 weak signal, religious px "La Voz de la Liberacion". (12-Apr/Nozaki-JPN/Relampago DX)

May 11 is Mother's Day ("dia universal de la madre") in Peru, which is an excellent occasion to look for Peruvians on extended sked. Certain Peruvians have been heard gearing up for the event, by reading names of moms that can expect to be greeted on the air. (Klemetz-COL/Dateline Bogota)

PHILIPPINES *Radio Veritas* Asia observed on new 6075 2226-2236 in En/Filipino; New broadcast. Very strong. (3-Apr/van den Boogert/EDXP/Padula-AUS)

Now active again: DZB II *Dalawa Radyo Mindoro*. FEBC, Baco, Mindoro Isl. on 3345.8 kHz at 2150-2331. Tagalog and dialects, some Engl ID's, nx at 2200-2203, 2245 nx, 2328 closing announcement, 2330 National Anthem, 9 x birth call, signing off at 2331*. First heard again on April 8th. After long absence time of about a year. (8-Apr/Schulze-PHL/WWDXC/Bueschel-FRG)

PORTUGAL Updating last month's sked: *RDP* in Portuguese 1700-2100 replace 6130 with 7110, 1700-2200 add 9655. EE/FF Mon-Fri 2100-2200 add 6140 (ex-6130) and 7110. (4-Apr/Panlview-BUL/Bueschel/WWDXC/Bueschel-FRG)

ROMANIA *Radio Romania International*, 297 EE services:

0200 5990 6155
0400 9510 9570 11940
0530 15340 17790 15270 15250 17720 11790
0630 9550 15365 9665 11810
0645 11740 11840 15250 15270 17720
1230 11885 15365 17720
1430 15335 17720
1730 9550 11940
1900 9690 11940 11810 9550
2100 7195 9690 7105 9550
2300 9510 11940

(20-Apr/Rec.radio.shortwave/Ogrizek/EDXP/Padula-AUS)

RUSSIA *Voice of Russia* summer 1997 schedule:

0100-0300	7125 7310 7370 9820 9830 11660
	12000 13605 15455
1200-1400	6080 7315 7330 9800 9835 11675
	11730 11860 12035
1200-1400	7170 7305 7315 7330 9895 11665
	11730 11765 11820 11860 15550
1500-1600	7245 9615 9730 11665 11725 11825
1700-1900	6045 7260 7280 7340 7400 9610 9810
	11630 12040 12060 15430
1700-1900	7185 7245 7325 9615 9675 9730 11685
	11725 11850 11985 12035 15550
1900-2100	6045 7260 7280 7340 7400 9610 9810
	11630 11840 12040
2300-2400	7310 7370 9820 9830

(direct/Alexeev/Gusev-RUS)

Trans World Radio via Russia/CIS relay is now using 12035 (ex-9825) at 0030-0200 and at 1130-1530 on 12005 (ex 9420) in Indian Vernaculars. (3-Apr/das Gupta-IND/EDXP/Padula-AUS)

Radio Netherlands via Khabarovsk observed on new 12085 with Indonesian*2230. *Radio Netherlands* via Petropavlovsk-Kamchatka NFs 5930 12065 1330-1430 Dutch to FE, parallel Khabarovsk 17655. (4-Apr/Padula-AUS/EDXP)

Via Russian transmitters, *Voice of Malta* now calling itself *Radio Melita*. Services to USA and Canada are advised as "test transmissions":

0100-0200	English	13605 Su
0200-0300	Maltese	13605 Su
0300-0330	French	13605 Su
0330-0400	German	13605 Su
0400-0430	Japanese	13605 Su
1900-2000	English	9810 Su
2000-2100	Maltese	9810 Su
2100-2130	French	9810 Su
2130-2200	German	9810 Su
2200-2300	Japanese	9810 Su

(21-Apr/direct/EDXP/Padula-AUS) [their frequency manager needs a good talking to—AQ]

RWANDA *DW-Kigali* noted on new 11990 opening at 2200 with GG to Waf and Am. (5-Apr/EDXP/Padula-AUS)

Interesting footnote on the role of radio in Rwanda's 1994 wave of genocide: Brussels: The accounts and list of shareholders of *Radio Mille Collines* (RTLM), to which this newspaper has gained access, provide the first evidence that assassinated Rwandan President Juvenal Habyarimana was the principal shareholder in this station which broadcast messages of hate. He bought 200 shares of 5,000 Rwandan francs each, worth a total of one million Rwandan francs, or 250,000 Belgian francs. Habyarimana always denied having anything to do

with this extremist radio station which in 1994 called for a genocide and constantly described the Tutsi population as "cockroaches."

The list of 1,125 Rwandan shareholders also shows that the president's close family and nearly all his powerful associates, the president's so-called "akazu", had firm control over RTLM.

The fact that Habyarimana was the principal shareholder in RTLM sheds a whole new light on the steps taken by former Belgian ambassador Johan Swinnen, former Defence Minister Leo Delcroix of the CVP [Christian People's Party] and former Foreign Minister Willy Claes of the SP [Flemish Socialist Party] to induce the Rwandan president to curb the excesses of RTLM. Habyarimana promised that he would try to do this but that "owing to the freedom of the press he could not promise anything".

Whether or not this new information also gives any clarification to statements by Willy Claes about RTLM is another matter. In a telegram dated 1st April 1994 the SP minister complained about the anti-Belgian tone of the radio station, "the financing of which we are aware of." The senators of the Rwanda Committee will no doubt be asking Claes about this.

The list of shareholders also shows that all levels of the genocide machine were involved with RTLM: Habyarimana himself, the notorious Colonel Bagosora, the financial world, intellectuals, ministers, members of parliament, mayors responsible for the local organization of the genocide and finally the perpetrators themselves who carried out the slaughter with their machetes.

It's clear from the extremist ideologues who were actively associated with the station and bought shares in it that from its launch in April 1993, RTLM was intended to be an outlet for racism. The most well-known of these is Ferdinand Nahimana, who in 1990 and 1991 attended two ABOS [General Development Cooperation Authority] training courses at the BRTN [public Dutch-language radio and TV network in Belgium] and RTBF [public French-language radio and TV network in Belgium]. His name is number one on the list.

There are no Belgians on the list of shareholders, but a few French and Canadians. (15-Apr/'De Morgen', Brussels/BBCM)

SAUDI ARABIA BSKSA Holy Qu'ran in Arabic: 0300-0600 11785 11870 (x9740, x11935), //9553 9618 9718 17720 kHz. Swahili 0500-0600 17755 (x17760). Indonesian 1000-1150 new 21640 (x21665). (4-Apr/Panview-BUL/WWDXC/Bueschel-FRG)

SEYCHELLES Due to interference **FEBA** Radio is now using 7365 (ex 7350) in Tamil 0115-0200 and

Telugu 0200-0230 to India. (28-Mar/das Gupta-IND). Also noted on new 11600 (ex 11640) at 1257-1415. Back on 7350 after a brief stay on 7365 at 0112-0228 in Tamil & Telugu to India. (3-Apr/das Gupta-IND/EDXP/Padula-AUS) Official 297 sked shows English 0800-0900 Fri to SAs 15540, 1500-1530 Tue-Sat to SAs 11600, 1500-1545 Sun-Mon to SAs 11600. (Padula/EDXP)

SIERRA LEONE 3316 **SLBS** Goderich quite regular late evenings, e.g. Apr 19 2320 English. Best on USB, CW on LSB. Fair (Krone/DSWCI DX Window)

SINGAPORE Revised sked for **Radio Singapore International** shows English 1100-1400 on 6015 and 6155. "Friends of the Airwaves" is a special feature with listener responses, acknowledging mail, FAX and Internet contacts, Sundays 1305-1330. (Peachman/EDXP/Padula-AUS)

SOUTH AFRICA Channel Africa sked:

0300-0330	English	5955
0300-0325	Swahili	6000
0330-0400	French	5955
0330-0355	Chinyanja	3955
0400-0430	English	5955
0430-0455	Portuguese	5955
0430-0455	Portuguese	3345
0500-0530	English	9675
0530-0555	Port/French	9675
0600-0630	English	11900
0630-0655	French/Port	11900
1500-1525	Swahili	11900
1530-1555	French	11900
1530-1600	Lozi	6120
1600-1625	Port/Swahili	11900
1600-1630	English	6120
1600-1630	English	9685
1630-1655	Portuguese	9685
1630-1655	Portuguese	3345
1630-1655	Swahili/French	11900
1700-1730	Chinyanja	6120
1700-1730	English	11900
1730-1755	Port/French	11900

(Otto/SENTECH web site)

Radiosonder Grense (domestic service)

0000-0530	Afrikaans	3320
0530-0800	Afrikaans	6000
0800-1530	Afrikaans	7270
1530-2400	Afrikaans	3320

(Otto/SENTECH web site)

BBC relays:

0245-0300	English Lessons	6050
0300-0330	Swahili	6050
0300-0600	English	3255
0300-0600	English	6190
0430-0500	Portuguese	3390
0430-0500	Portuguese	6135
0430-0500	Portuguese	7205

0530-0600	Portuguese	6135
0530-0600	Portuguese	9515
0530-0600	Portuguese	11940
0600-1600	English	6190
0600-1600	English	11940
0700-0730	English	17830
1600-2200	English	3255
1600-2200	English	6190
1700-1900	English	11860
1730-1745	English Lessons	3390
1730-1745	English Lessons	6070
1730-1745	English Lessons	9520
1745-1800	Swahili	7230
1800-1830	French	7230
2030-2115	Portuguese	3390
2030-2115	Portuguese	6135
2030-2115	Portuguese	7205

(Otto/SENTECH web site)

Trans World Radio relays:

0333-0404	English	7215
0333-0404	Oromo	7215
0333-0404	Amharic	7215
0600-0645	English	11730
1528-1543	Yao	7265
1543-1558	Sena	7265
1600-1630	Kirundi	9850
1630-1700	Borana	9850
1630-1700	Oromo	9850
1640-1655	Somali	9650
1700-1730	Tigrinya	9850
1730-1800	Amharic	9850
1810-1825	Kinyarwan	9850
	da	
1830-1900	Nupe	9510
1900-1930	Yoruba	9510
1930-2000	Fulani	9510
2000-2030	Hausa	9510
2030-2057	Twi	9510
2100-2130	Arabic	7240
2130-2145	Arabic	7240

(Otto/SENTECH web site)

Radio France International relay:

0300-0355	French	7135
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(Otto/SENTECH web site)

The Investment Channel:

0200-0355	6160
0300-0325	7190
0330-0355	7190
0400-0425	7190
0400-0455	6120
0400-0525	9525
0400-0555	3230
0430-0455	7190
0500-0525	11820
0530-0655	9525 11820
0600-0655	9675
0700-0755	15165
0700-0755	15165 17665

0800-1125	15165 17665
1000-1155	9675
1000-1155	11970
1130-1355	15165
1130-1355	17665
1400-1455	11900
1400-1555	15165
1500-1555	11870
1600-1625	9475
1600-1655	11870
1600-1755	3230
1600-1955	5955
1630-1755	9475
1700-1725	7225
1800-1855	9475
1800-2055	3230
1830-2025	7225
1900-1925	9475
1930-2155	5965
2030-2125	7225
2130-2155	7225

(Otto/SENTECH web site) Address is PO Box 1250, FL 9490, Vaduz, Liechtenstein. Fax (as announced) Liechtenstein 4175 232 3882.(2-Apr/Bannert-FRG/Ludwig-FRG/EDXP/Padula-AUS)

According to audit figures, the 16 SABC [South African Broadcasting Corporation] radio stations have lost five million listeners in the six months to November last year. These losses occurred even before the new private radio stations are due to begin broadcasting later this year. It is expected that the latest audit figures, due out at the end of April, will indicate that even more listeners are turning their backs on the SABC.

In November 1996, Ukhozi FM, previously Radio Zulu, had one million fewer listeners than in June. Of the 16 SABC radio stations, only 5FM has gained listeners; its listenership grew from 1.1m to 1.2m. Listeners to Radio Sonder Grense [RSG; Radio Without Borders] fell from 966,000 to 899,000.

Govin Reddy, head of SABC Radio, attributed the drop to an increase in the number of community radio stations which are now operating. He said the number of listeners to RSG and SAfm [English-language FM service] will show a further decline because these radio stations will be losing transmitters to more profitable radio stations; the two have many more transmitters than the vernacular-language stations.

This will lead to many listeners in rural areas no longer receiving these two radio stations. During the survey period the SABC sold off its regional radio stations and renamed its own remaining radio stations...(16-Apr/Beeld, Johannesburg/BBCM) [could this end up impacting SABC's domestic short-wave services? Likely...-AQ]

SRI LANKA The All Asia Service of the SLBC now signs off at 1600 weekdays, ex-1630. Further, the

Domestic Service in English is now IDing as "This is the Sri Lanka Commercial Service". This is on 4940 kHz at 0025-0200 & 1000-1700; on 6130 at 0200-1000. Regarding the all night Buddhist chants intended to invoke blessings on the nation, these programs are aired on all Full Moon days, and on special occasions such as Independence Day, on 4902 and all other National Service frequencies. (Goonetilleke-SRI/BCDX/ODXA World Radio Report/Clark-CAN)

SYRIA Radio Damascus, Z97 observations: German 1805, French 1905, EE 2005 on 12085 13610. (13-Apr/RVI/van Oudheusden/EDXP/Padula-AUS)

TAJIKISTAN Radio Tajikistan using new 9905 kHz for foreign-language broadcasts, with English heard at 0345. (30-Mar/VOR DX Club/BBCM)

THAILAND Radio Thailand via Udom observed as per the following sked in EE: 0000-0030 9690, 0030-0100 15370, 1230-1300 9885, 1400-1430 9830. (4-Apr/das Gupta-IND).

Radio Station Or Sor being from the Royal Palace in Bangkok was heard in NoTHA on 6149 kHz at 0330 until sign off at 0500. In my e-mail letter from Bangkok dated 27 Febr 97 a frequency was missing. The correct sentence should be: R. Thailand Home Sce on 7115 kHz is not always in //with 4830 and 6070 kHz. I think only the news are in //on all 3 frequs. (15-Apr/Lohuis-LAO/WWDXC/Bueschel-FRG)

TUNISIA Republic of Tunisia Radio reports a project in the works to upgrade their shortwave transmitting capabilities. (BBCM)

TURKEY Changes in final Z97 schedule of **TRT** Ankara:

0300-0400	EE	7300 (ex-6120)
0400-0700	Turk	6170 (ex-7300)
1400-1500	Azerbaijani	11865 (ex-11970)
1230-1330	EE	13750 (ex-13695)

(1-Apr/Klink-FRG/BCDX/EDXP/Padula-AUS)

Voice of Turkey observed on NFs 6135(LSB) 9655 with EE to NA/Eur 2205 (12-Apr/Padula-AUS/EDXP)

7370 **Turkiye Polis Radyosu** @0510-0525 coming over top of usual UTE/Carrier co-channel. Near Eastern chants by W back-to-back. Almost seemed / /6900 at times. Best at 0510-0515 and began to degrade a bit after 0520. (23-Mar/Rippel/Cumbre DX)

UKRAINE Radio Ukraine International Kiev schedule, thru 1 September:

0000-0100	Eng	5905 6010 6020 6090 7150 7180
		7240 9550 9560 12040
0100-0300	Ukr	5905 6010 6020 6090 7150 7180
		9550 9560 12040

0300-0400	Engl	7150 9550 12040
0300-0400	Ukr	6010 6020 6090
0400-0500	Ukr	6010 6020 6090 7150 7320 9870 11705
0500-0600	Ukr	6020 7150 7320 9870 11705 11840
0600-0700	Ukr	6020 7150 7320 As9600 9870 11705 11840 13590
0700-0800	Ukr	7150 7320 As9600 9870 11705 11840 13590
0800-1000	Ukr	6020 7150 7320 As9600 9870 11705 11840 13590
1000-1200	Ukr	6020 7150 7320 As9600 9870 11705 11840 12050 13590
1200-1300	Engl	7150 12050
1200-1300	Ukr	6020 7320 As9600 9870 11705 11840 13590
1300-1400	Ukr	6020 7150 7320 As9600 9870 11705 11840 12050 13590 15520
1400-1600	Ukr	6020 7150 7320 As9600 9870 11705 11840 12050 13590 15520 15550 17680.
1600-1700	Ukr	6020 7320 9640 9870 11705 As11830 12050 13590 15520 15550 17680
1700-1800	Ukr	12050 13720 15550
1700-1800	Germ	5905 6020 7320 9640 9870 11705 As11830 13590 15520 17680
1800-1900	Ukr	5905 6020 6090 9640 9870 11705 As11830 12050 13590 15520 15550 17680.
1900-2000	Ukr	5905 6020 6090 7180 7240 9560 9640 11705 As11830 12050 13590 15520 17680.
2000-2100	Ukr	7380
2000-2100	Germ	5905 6010 6020 6090 7180 7240 9560 9640 As11830 13590 15520.
2100-2200	Engl	5905 6010 6020 6090 7180 7240 7380 9550 9560 9640 12040 13590 13720
2200-2300	Ukr	5905 6010 6020 6090 7180 7240 9550 9560 9640 12040 13590
2300-2400	Ukr	7150 9550 12040
2300-2400	Germ	5905 6010 6020 6090 7180 7240 9560

(18-Apr/NRCU Kyiv/Sajuk-FRG/WWDXC/Bueschel-FRG)

Radio Marabu has added transmissions via Ukraine as follows: daily 1000-1200, 2100-0000 on 11830 (50 kW). (Radio Marabu, PO Box 1166, 49187 Belm, Germany Tel.: 05406/899484 Fax: 05406/8994). (Padula-AUS/EDXP)

UNITED KINGDOM RKI-Seoul Z97, BBC Skelton relay:

0700-0800	Korean	9555
1800-1900	Russian	9875
1900-2000	French	6145
2000-2100	German	6145
2100-2130	English	3970

(4-Apr/Paniview-BUL/BCDX/RVI/van Oudheusden/
EDXP/Padula-AUS)

NHK Skelton noted on NF 6115 with Japanese
*2200, //6055-Skelton (18-Apr/Padula-AUS/EDXP)

On 27 March, **BBC World Service** announced the successful completion of the sale of its World Service transmission business to Merlin Communications International, a management and employee buy-out team from the World Service's program Delivery Service.

BBC Deputy Director-General and Chief Executive of BBC Worldwide, Bob Phillis, said: "This is good for World Service and its listeners. Merlin Communications offered a competitive price, innovative development ideas and as a management team have a good staff-orientated track record.

"World Service will continue to benefit from a quality transmission service and, through Merlin's development of the business, from technical innovations and cost savings in the future."

Included in the sale are: the World Service program Delivery Service (the coordinator for delivering WS radio to its audience); World Service Transmission operations; four UK sites (one FCO-owned); and commercial contracts for hiring out transmission capacity in the UK and/or overseas; the Global Distribution System (a digital satellite system with the capacity to deliver high quality audience programs direct to transmitter sites) and a number of third party distribution contracts. The contract includes maintenance services on a number of overseas sites. (BBCM)

UNITED STATES Monitor Radio, Z97 adjustments effective 6-May:

Add: WSHB 9845 0800-0900
Del: KHBI 9845 0800-0900

(17-Apr/German/EDXP/Padula-AUS)

...and an even larger MRI adjustment...

Claiming a decline in their shortwave listenership, the Christian Science Church's Herald Broadcasting Syndicate last month placed both **WSHB** and **KHBI** on the market. Monitor Radio will continue producing programs at least through June 30, 1997. The Monitor is discussing the sale of its successful Monitor Radio news operation to Public Radio International (PRI), among others. For its religious programs, the church plans to purchase time on shortwave stations owned by other broadcasters in portions of Africa, South America, and Asia. (direct)

9955 **R. La Colifata** 0230-0259, heard via **WRMI**, SS programs with EE ID's, ID as "Esta es Radio La Colifata en su primer emision internacional para la onda corta por los 9955 kilohertz via Radio Miami Internacional...", at 0254 salutations to the USA President, very, very original transmission. (8-Apr/Barrera-ARG)

VOA has been retiming some of its Mandarin-language broadcasts so as not to broadcast at the same time as Radio Free Asia's Mandarin service. The latest result of this is a new VOA Mandarin broadcast at 0400—that's noon in China, it's also midnight summer time in Washington, so not the favourite assignment of VOA Mandarin-service broadcasters. Frequencies are 12040, 15485 and 17840 kHz via Udon, Thailand, and 15300, 15385 and 17740 kHz via the Philippines.

The **VOA Slovene** service is no longer on shortwave. It's heard only by way of rebroadcasting via domestic stations in Slovenia. But the **VOA Slovene** service just received a letter from a Slovene-speaking listener who lives in Cote d'Ivoire. He misses the Slovene service so much that he enclosed a crisp new US 50-dollar bill to contribute to the cost of resuming VOA's Slovene transmissions. VOA is returning his money with a note of thanks. VOA Slovene is not likely to return to shortwave. (BBCM)

URUGUAY 3479.91 **R. Agraria**, 1106-1113, Ads Banco Republica, Banco La Caja Obrera and ANTEL, ID at 1108 as "Radio Agraria, la radio campo de la ciudad", hrd MW freq. 1160 khz. (29-Mar/Barrera-ARG)

UZBEKISTAN IBRA Radio via Tashkent, in Bengali has moved to 15470 (ex-7400) 1330-1400. R. Tashkent in EE at 0100-0130 observed on new 9375. (3-Apr/das Gupta-IND).

Z97 sked for **Radio Tashkent**, EE services: 0100-0130 7190 9530 9715, 1200-1230 and 1330-1400 7285 9715 15295. (4-Apr/Paniview-BUL/BDXC/EDXP/Padula-AUS)

Radio Netherlands via Tashkent NF for Z97 15585 1330-1530 EE to SAs. (direct/EDXP/Padula-AUS)

VIETNAM (all freqs approximate) **National Network 1** was heard on 5924, 7155 and 10060 kHz. I noted a satellite delay on 10060 kHz. On Sunday March 16th at 0340 until s/off at 0500, 7155 kHz was observed with a different program: Hilltribe mx, not //10060 and 5924 kHz. **National Network 2** is on 4960 and 12035 kHz. Hmong Service was heard on 5030 and 6165 kHz from 0500-0600 and at 1300. Unid. station on 4215 kHz (**Lai Chau 1** according to WRTH 97), heard at 1000 with own program, at 1100 relay of National Network 1. The National Network 1 was heard from a unknown location drifting between 4675 and 4680 kHz on most days. On March 15th the station drifted around 4718 and the next day this st was found on 4725 kHz. Sign on is at 1000. **Radio Son La** can be heard with sign on at 1200 on 4740 kHz with Hilltribe mx and progrs in Hmong. Sign off is at 1400. Also noted at 0335 until s/off at 0500. **Quang Tri Broadcasting Station** was heard with clear ID on 5050 kHz at s/on at 1000. During an announcement in Vietnamese I heard the

words in English "Quang Tri Foreign Broadcasting Station". Maybe a joke by the announcer?? *Lao Cai* was heard with s/on at 1000 on 5595 and 6700 kHz and relay of National Network 1 at 1100. Own progs include a lot of Hilltribe mx. *Cao Bang* is on 6530 kHz and was heard at 0325 and 1200 with Hilltribe mx. On 6395 kHz I heard *Lai Chau 2* (not Lai Cau) with s/on at 1000 with Hilltribe mx and progs in Hmong. This st was also heard at 0427 with Vietnamese mx. A North Korean station is also on this frequency. *Yen Bai* was heard at 1030 on 6548 kHz with interference caused by China Radio International at 1100. (15-Apr/Lohuis-LAO/WWDXC/Bueschel-FRG)

Lai Cau 4780 kHz 1050-1145, fr 1055 Hanoi relay //v4722.2, and some satellite time delay, behind 5924.5 kHz. Not //4214.78 & 4959.6 kHz. 1145 local program til 1213*. ID and QRG's at 1155.

v4722.8 kHz 1310-1500* *RTV Gai Lai* in Vietnamese. Local px as well as //Hanoi 5925 kHz at 1400-1424. Local progr 1425-1440 & 1450-1500. At 1500 suddenly signing off.

Tuyen Quang in Vietnamese v4739.8 kHz 1208-1350*, native mx, march mx, 1157 bamboo flute, no Hanoi relay noted so far.

Lao Cai 2 at 1140-1155* on 5597.7 kHz. Vietnamese local progr and native mx.

Cao Bang BS v6531.5 at 1215-1358*, political talks, ID at 1330 by female announcer.

v6702.17 kHz 1140-1458* *Lao Cai 1 BS*, in Vietnamese, local native mx, Hanoi relay 1153-1305 & 1315-1458 //Hanoi v5924.5, 1305-1315 local progr, many ID's. (4-Apr/Schulze-PHL/WWDXC/Bueschel-FRG)

ZAIRE Regional Radio Report-I have seen various Zairian regional stations listed for years but the only loggings I ever recall seeing were some presumed loggings of Lumbabashi on 7203v. One would have thought that if they were ever going to come on, now would be the time, given all the unrest in Zaire. I asked Dave Kenny of BBCMS to fill me in as to their status and here is his reply: As far as I know, only Candip is active on shortwave. All the other Zairian regional stations now appear to be on FM only. The only other active shortwave transmitter in Zaire is at Kinshasa on 15245 and that is irregular (end of Kenny quote) So that means the following in all likelihood are off (list per 1997 WRTH):

Mbandaka 5995

Katanga 6125/7865

Lubumbashi 7202v

Mbuji-Mayi 7295

Also, there were regional stations in territory now held by the rebels and these transmitters are in all likelihood not in use either:

Bukavu 3278/4848

Kisangani 11455 (25-Mar/Johnson/Cumbre DX)

FROM THE "YOU WISH!" DEPARTMENT *Spanish External Radio*, Spanish National Radio's [RNE] station for the whole world on shortwave, has a weekly audience estimated at 80m listeners. This places it among the world's four most influential stations, along with Voice of America, the BBC and Vatican Radio, according to information provided by Spanish Radio and TV. (BBCM)

JUST WHAT THIS COUNTRY NEEDS On 3 February, a construction permit to build a new SW station in the USA was granted to Charles C. Josey from Macon, GA. The construction permit expires on Aug 3, 1998, but Mr. Josey hopes to be on the air in Jan or Feb 1998. Mr. Josey is currently building a 50 kW SW transmitter to be operated on 11910. The antenna will be a rotatable yagi with a gain of at least 10 dB, an elevation of 7 degrees, a beam width of 53 degrees, and azimuths of 0, 30, and 330 degrees, mounted on a 40-meter-high tower. The transmitter will be located at 300 Poplar Street in Macon, GA in a business park on the west side of Macon, 32.49:56 N latitude and 83.37:34 W longitude. The station will air primarily religious bcs from 7 PM until 7 AM, starting with a few hours a night. The call sign has not been assigned yet. The call Mr. Josey would have liked was attributed 8 months ago to a local TV station. The station can be contacted at the following address: Charles C. Josey, 965 Hickory Ridge Drive, Macon GA 31204-1018, USA. Telephone: (912) 477-3433 E-mail: <charlesK4LNL@june.com> (20-Mar/Maes-BEL/EDXP/Padula-AUS)

Re the new Macon, GA SW stn, on DXPL Ken MacHarg interviewed Joanne Josey, wife of Charles. She says Charles is very talented when it comes to radio and electronics. Both have been hams for 40 years, and the stn will be a retirement pursuit. The transmitter and antenna will be constructed mainly from electronic salvage. The building is located in downtown, close to the police dept., TV stn and other services, and so they want to watch the interference situation closely at first—that is one reason why they will start out b/cing 1900-0700 local time. They hope to carry religious programming that is produced in other countries and, in essence, b/c it back to them. They hope to have a toll-free international phone system. They are now operating as Oil & Wine Ministries, PO Box 18174, Macon, GA 31209, tel. 912/745-1485. (6-Apr/DXPL/NU/EDXP/Padula-AUS) [ahh, for the days when retirees would simply open a bagel shop or something...AQ]

QSL Report

Sam Barto
47 Prospect Place
Bristol, CT 06010

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE PRESIDENT
NATIONAL MEDIA PRODUCTION CENTER
via Castro in Brasil

VOICE OF THE PHILIPPINES

INTRAMUROS, MANILA

Dec. 2, 1977

Your reception report of April 2, 1977 on
9,180 kHz. and _____ has
been verified against our log and found to be correct.

Thank you.

Ernesto G. Madriño
Manager

Small Office
INTRAMUROS, MANILA
NL 306 - 40 30 00
40 15 04
40 24 01

Small Office
470 PIA, NEW YORK
204

SPECIAL ENCLOSURE OFFER: Your QSL Editor is offering used and mint foreign postage stamps to use as enclosures with reception reports. We are offering 600 stamps for \$5.00; 1300 stamps for \$10.00; or 2000 stamps for \$15.00. With each \$5.00 order I will include absolutely free at least 300 additional stamps from the US - most of which will be commemoratives. That's a total of 900 stamps for only \$5.00; 1900 stamps for \$10.00; or 2900 for \$15.00! If you are interested in certain areas such as Africa, Asia, Europe, etc., I can send a concentration of postage stamps from that area. Please try to send a few dollars extra for USPO costs....Sam.

NOTE: We have quite a few QSLs to report this month so lets get right into them. I believe I will list all of the regular QSLs first and followed, as space permits, by the US pirates.

ALASKA: KNLS 7365 special "limited edition" cd. in 3 mo. (Berg-MA).

ARGENTINA (Clandestine): Radio Cochiquaz * 11412.9 f/d cd. w/ personal ltr. in 23 ds. for \$1.00 (Returned). Addr: Casilla 2571/1000 Buenos Aires. (PMC de Castro-BRASIL).

ARMENIA: Voice of Armenia 9965 f/d cd. w/ personal ltr. in 57 ds. for 1 IRC. (Neal-TX).

ASCENSION ISLAND: BBC Atlantic Relay 11835 f/d ltr. in 64 ds. v/s N. Nicholls. (Hosoya-JPN). RAI 6110 via BBC p/d cd. in 11 mo. w/ schedule.

ASIATIC RUSSIA: Voice of Russia 12010 and 13645 via Petropavlovsk f/d cd. in 78 ds. (Humenyk). 15180 and 15580 via Kamchatsky f/d cd. in 78 ds. (Humenyk).

AUSTRALIA: Radio Australia 5995 via Shepparton f/d cd. in 99 ds. w/ schedule and calendar. v/s Dan ita Gordon. (Humenyk-ONT). VLB 5995 cd. in 17 ds. for 2 IRCs (returned). (Maltz). 17795 and 9580 f/d cd. in 44 ds. w/ schedule and letter from the ARDXC. (Humenyk). 9580 same cd. in 199 ds. (Humenyk). 9580 f/d "Sunrise at Shepparton" cd. in 105 ds. for 2 IRCs. (Weissborn-TX). 17750 via Darwin f/d cd. in 153 ds. w/ schedule. (Hosoya). VLBT 2325 f/d blue "Map" cd. in 114 ds. for 1 IRC. (Tilbury-Alaska). VLBA 2310 same in 114 ds. for 1 IRC. (Tilbury). VLBK 5025 cd. in 114 ds. for 1 IRC. (Tilbury).

AUSTRIA: Radio Austria 13730 via Moosbrunn f/d "Secession-Vienna" cd. in 37 ds. (Humenyk). f/d "Villa Primavesi" cd. in 29 ds. (Humenyk). same in 213 ds. (Humenyk). f/d "Anker-Uhr" cd. in 50 ds. (Humenyk). 9870 cd. in 35 ds. w/ map of Austria. (Humenyk). 9655 f/d "SW Center" cd. in 44 ds. (Humenyk).



RADIO BULGARIA
4, Dragan Tsankov, Sofia, fax (359 2) 650500

via Agradecidos

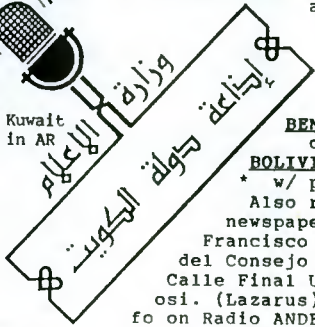
RÁDIO E TELEVISÃO INTEGRAÇÃO
1979 LTDA. 1997

TV INTEGRAÇÃO
CANAL-12
Q.M. 720 KHZ.
O.T. 4.765 KHZ.
F.M. 99.9 MHz.

Cruzreiro do Sul
- Acre -
BRASIL
Saudações:
Oamar
Bandeira
E
Funções
rios



Radio Kuwait
decal in AR



BELGIUM: Radio Vlaanderen 9925, 11640, 11815 and 17690 f/d "Astra Satellite" cd. in 52 ds. (Humenyk). 5910 and 13670 f/d "Football Club" and "BRTN Broadcasting Centre" cd. in 98 ds. (Humenyk-ONT). 5910 f/d "Vrije" cd. in 7 wks (Bueneman-MO). 9925, 17640, 13605 and 13670 f/d "Brussels Calling Team" cd. in 58 ds. (Humenyk).

BENIN: ORTB-Cotonou 4870 f/d "National Map" cd. in 57 ds. for 1 IRC. (Bueneman-MO).

BOLIVIA: Radio ANDES 4777 2 page personal ltr. * w/ prepared cd. and info. brochure in 2 1/2 mo. Also rcvd. a bilingual (Spanish and Quechua) newspaper. This was for a taped rpt. and ms. v/s Francisco Quisbert Salinas, Secretario Permanente del Consejo de Administracion de la Radio. Addr: Calle Final Uruguay s/n, Casilla No. 16, Uyuni, Potosi. (Lazarus)...Henry sent along a great deal of info on Radio ANDES but it will more than likely appear in other sections of the bulletin...Thanks Henry...Sam.

BONAIRE: Radio Nederlands 15315 f/d "Madagascar Relay Station" cd. in 180 ds. (Humenyk-ONT).

BOTSWANA: VOA 13710 via **Selebe-Thikbe** f/d "Greenville" cd. w/ pennant, sticker and schedule in 89 ds. (Humenyk-ONT)

BRAZIL: RadioBras 15265 f/d cd. w/ pennant in 191 ds. v/s Gaby Hertha Einstoss. (Humenyk).



VERIFICATION SIGNERS: Adventist World Radio

Latin America 9725 Rosaura B., Secretary or Miss Miriam Pottinger. **Hrvatski Radio** 13640 Bozidar TomaneK. **Radio Bayrak** 6160 Haluk Aygin, Head of English Language Broadcasting. **La Voz de los Caras** 4795 Marcelo Nevarez, General Manager. **Radio Centinela del Sur** 4770.2 Jose A. Coronel Vlez....via PLAY DX...Sam.

BULGARIA: Radio Bulgaria 9700 and 11720 via **Plovdiv** f/d "Sofia Grand Hotel" cd. w/ schedule in 111 ds. (Humenyk). 9485 f/d "Steeple" cd. in 57 ds. for 1 IRC. (Weissborn). f/d "Sofia" cd. in 74 ds. for 1 IRC.

CANADA: Radio Japan 11705 via **Sackville** f/d "Autumn (Weissborn). Scenery" cd. w/ newsltr. and schedule in 1 mo. (Humenyk). 6120 f/d "Urban Architecture" cd. in 3 wks. (Bueneman-MO). **Radio Korea International** 9650 n/d "Hanbok" cd. in 99 ds. (Weissborn). same in 79 ds. w/ schedule. (Pasquale-PA). **Radio Canada International** 13670 and 15325 f/d "50th Anniversary" cd. w/ stickers in 2 wks. (Humenyk). 11700, 13650, 13670, 15150, 15325, 17820 and 17870 f/d cd. in 26 ds. w/ note and stickers. (Humenyk). **CBC Northern Quebec Service** 9625 f/d cd. in 36 ds. w/ sticker and schedule. (Humenyk).

Radio Austria International 6015 f/d ltr. in 53 ds. w/ schedule. (Humenyk-ONT).

CHINA, PEOPLES REP. OF: China Radio International 9710 cd. in 164 ds. w/ paper cut. (Levison-PA). f/d "White Pagoda" cd. in 29 ds. (Levison). 7405 via **Jinhua** f/d "The Seventeen Arch Bridge" cd. w/ site in 49 ds. for 1 IRC. (Weissborn). f/d cd. w/o site in 36 ds. w/ schedule. (Ziolkowski).

Radio Canada International 9535 via **Xian** cd. in 2 wks. w/ brochures. (Hosoya).

COLOMBIA: Radio Macarena 5975 n/d ltr. w/ schedule in 3 wks. for a SP rpt. on my 5th try. (Field-MI). **Caracol Bogota** 5075 n/d "Globe/Map" cd. in 1 mo.




自由中國之聲

FINNISH BROADCASTING COMPANY
Short Wave Centre
FIN-21660 PORI FINLAND
Dear Henry
Thank you very much for your response, report, & how long I need to be used and a letter verified
Date: 6.9.86
Frequency: 15400 kHz
Your identity: Mikaradio Oy
P.O. Box 100/1000
Lundun 21.31 B 01 29 N
From: Matt Jousilahti
Henry Weissborn
Houston TX 22035-108
USA



"Vocational High School" cd. in 344 ds. w/ personal ltr. (Humenyk). 11760 same in 312 ds. (Humenyk). f/d "Club DX" cd. in 171 ds. (Humenyk).
CZECH REP: Radio Praha 7345 via **Litomysl** f/d "1936" cd. in 93 ds. w/ schedule and 60th anniversary book. (Humenyk). 13580 sepiá cd. showing 1924 station photo in 3 mo. (Berg-MA).
ECUADOR: HCJB 9745, 11960 and 12005 f/d "Carolina Park" cd. in 120 ds. w/ schedule and note. (Humenyk). 9745 f/d "Loma de Puengasi" cd. in 149 ds. w/ calendar. (Humenyk). f/d "State of El Jaleo" cd. in 70 ds. for ms. v/s Glen Volkhardt. (Weissborn). 9415 f/d "Quito" cd. in 68 ds. for a GM rpt. Also rcvd. GM schedule and form ltr. (Weissborn). 11960, 15490 and 21455 f/d "Shrimp Ceviche" cd. in 185 ds. w/ schedule. (Humenyk). 9415 f/d "Logo" cd. in 31 ds. for a JP rpt. v/s Rahamefy Eddy and Sam Rowley. (Hosoya-JPN). 15540 f/d "Quito" cd. in 187 ds. w/ personal note and schedule. (Humenyk-ONT).

AWR  **ADVENTIST WORLD RADIO**

To *Henry Weissborn*

We are pleased to verify your reception of our station

Date *Jan. 1, 1997* Time *22:24-22:57 UTC*

Power (kW): *100* Freq (kHz): *9730*

Transmitter Location: *AWR-ARIA*

Comments: *Thanks for the \$10!*

ENGLAND: VOA Woolferton 15205 f/d "Farm Building" cd. in

VERIFICATION SIGNERS: Radio Tanzania 5985 B. Kapingas. **Radio Slovakia International** 7345 Mrs. Helga Dingova, Director of English Services. **Radio East Sepik** 3335 Elias Albert, Assistant Provincial Programs. **Zimbabwe Broadcasting Corp.** 3306 Charles Warikandwa. **Radio Thailand** 9885 Amporn Samosorca, Chief Engineer. **Radio Budapest International** 9840 Mrs. Agnes Kevl, English Service. **Radio Amman** 11970 Jawadzada, English Service Director. **IRIB Mashhad** 7175 M. Yaghini, Chief Engineer. **Radio Sparks** via **IRRS** 3985 Peter Galligher.....via PLAY DX.....Sam.

52 ds. (Humenyk). 11885 f/d "Georgia - The Golden Isles" cd. in 59 ds. (Humenyk). **Radio Canada International** 11905 via **Skelton** f/d cd. in 2 wks. (Humenyk).

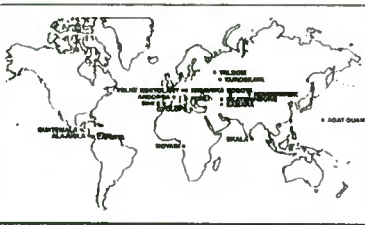
ETHIOPIA: Voice of the Tigray Revolution 5500 f/d ltr. w/ postcards in 5 wks. for \$1.00. v/s Fre Tesfamichael. (Maroti-NY).

EURO PIRATE: Shortwave Radio Switzerland 3985 via **IRRS** nice, colorful cd. * w/ sticker and info. sheet in 2 mo. for a taped rpt. Addr: P.O. Box 510, 4010 Basel. (Berg-MA).



Adventist World Radio

ADVENTIST WORLD RADIO
Transmitter Sites - Past & Present



ADVENTIST WORLD RADIO
TRANSMITTER SITES

Country	Location	No. kW	Begin Closed
France	Paris	2	1971
Sri Lanka	Kolaba	4	10, 11 & 14 1971
Malta	Cirkija	2	1991
Andorra	Andorra	1	1979
Guatemala	Guatemala City	1	1979
Colomb	Medellin	1	1981
Italy	Trieste	1	1985
Costa Rica	Alajuela	2	5.8 1991
Spain	Asturias	4	1987
United States	California	5	20 & 30 1991
Russia	Sverdlovsk	2	100 1992 1991
Russia	Sverdlovsk	1	1992 1996
Russia	Ekaterinburg	2	100 1992 1991
Russia	Sverdlovsk	1	1992 1991
Russia	Krasnodar	1	1992 1994
Russia	Novosibirsk	1	1991
Russia	Sverdlovsk	1	100 1991 1996
Germany	Bielefeld	2	100 1996

EUROPEAN RUSSIA:

Voice of Russia 15435 via **Krasnodar** f/d "Kremlin" cd. in 44 ds. (Palmerheim-WA).

FRANCE: Radio France International f/d "Logo" cd. w/ sticker and postcard. (Humenyk). 11615 via **Issoudun** f/d "Alliss" cd. in 106 ds. (Humenyk)

VERIFICATION CARD

Dear Mahendra Vaghjee

Thank you for your reception report on our broadcast. Your information has been checked with our schedules and found to be correct.

We hope you will continue to encourage us with your informative comments and views on our programs.

Frequency: Q. 870 kHz

UTC(GMT): 14.09.97.00

Date: 09.09.10

*** Notes on the picture**

- Kang Shin-Jai: Novelist(1924 -)
- Born in Seoul
- Member, Korea National Academy of Arts
- Chairman, Korea Novelists' Association

[Representative works]

Selected Kang Shin-Jai's Novels (8 volumes)

Princess Sado (3 volumes)

Waves(3 volumes)



Emblem for the Year of Literature 1996

FRENCH GUIANA: Swiss Radio International 9905 via Montinsery f/d "William Tell Monument" cd. in 42 ds. v/s M. Scilmvz.(Humenyk). **Radio Japan** 11895 f/d "Kyushu Music Festival" cd. in 23 ds. w/ schedule and nesltr. v/s H. Kawamoto.(Humenyk). n/d "Tokyo Metropolis" cd. in 90 ds. for a SP rpt.(Weissborn-TX).

GABON: Radio Japan 15355 via Moyabi f/d "Fireworks over Kanmon Bridge" cd. in 24 ds. w/ schedule.(Humenyk). 12005 f/d "Swans at Izunuma Swamp" cd. w/ schedule and calendar in 27 ds.(Humenyk). **Radio France International** 11700 via Moyabi f/d "Alliss" cd. w/ schedule in 106 ds.(Humenyk). **Africa No. One** 9580 f/d cd. w/ ltr. in 1 mo. for EG rpt. and stickers. v/s Ombolo-Ki-Obi, Technical Manager.(Buene-**GEORGIA: Voice of Hope** 7520 via Tbilisi man-MO). * f/d cd. in 2 wks. for \$1.00.(Maroti-NY). f/d oversized cd. in 3 wks. for \$2.00.(Rausch-NJ).

VERIFICATION SIGNERS: Trans World Radio 7385 via Shajak Jeanne Olsen, Secretary. **Radio Nacional Aragonel San Gabriel** 15476 Luis Duput, Director General. **Radio Television Bosnia-Herzegovina** 7105 Rodzic Ner-

in. **Radio Aparecida** 9630 C. Cabral, Chief Engineer. **Radio Nacional do Brasil** 9745 Miss Gaby Hertha Einstass. **Radio Sofia** 7170 Miss Katia Tomor. **Danqi Kurdستاني Irago** 4190 Nemat Sharif. Addr: P.O. Box 2443, Merrifield, VA 22116. **Democratic Voice of Burma** 15175 Do-Do Klein. Addr: P.O. Box 6720, St. Olav Plass, NR 0130 Oslo, Norway. **Radio Finland** 11755 Myitta, French Service. ...via PLAY DX....sam.

GERMANY: Deutsche Welle n/d cd. in 1 mo.(Humenyk). **Radio Vilnius** 5890 via Julich f/d "Land of Amber" cd. in 35 ds. for \$1.00. (Palmerheim). 9560 same cd. in 73 ds. w/ schedule.(Humenyk). **Adventist World Radio** 5900 via Julich f/d "Map/Transmitter" cd. in 6 wks. w/ calendar, personal ltr. and schedule.(Field-MI). **Radio Telefis Eireann** 9815, 12055, 13820 and 15600 via Julich f/d "Landscape" cd. in 61 ds.(Humenyk).

GREECE: VOA Kavala 11895 f/d "Mt. Ranier" cd. w/ schedule (which says this transmission was from Meyerton!) in 1 mo.(Field-MI). **Voice of Greece** 9375, 9425 and 11645 f/d "Statue of Theodore Kolokotronis, Athens" cd. in 51 ds. w/ schedule.(Humenyk-ONT).

GUAM: Wavescan Program 7400 via KSDA f/d "25th Anniversary" cd. in 3 mo. w/ sked. (Kusalik). **Adventist World Radio** 15610 same cd. in 52 ds. w/ AWR stamps, sked., and coverage map.(Humenyk-ONT).

HAWAII: KWHR 17510 f/d "Globe/Logo" cd. w/ schedule in 235 ds. v/s Loren Holycross.(Humenyk).

HOLLAND: Radio Nederlands 9820 via Flevo f/d "CIS Relay" cd. in 46 ds. w/ calendar stickers.(Humenyk).

HONDURAS: HRMI La Voz de Misiones Internacionales 5890 f/d cd. w/ request for donations in 4 mo.

Radio Station Bureau
 Please indicate station and program service.
 We are glad to verify your reception report of 15 Sept 96
K4.1107C
 If our translation is 13820 kHz
 We wish for your latest listing.
 Issued by: Dept. of Comm.
 Label: Radio Bureau
 Station: K4.1107C
 Freq: 13820 kHz
 Mod: AM (1000 S/S)

RECEIVED
 11.11.96
 MAURITIUS
 Mauritius
 5, McGrath St.
 Beau Bassin
 Indian Ocean

Station: 14 Sept 1996
 Head Office: Mauritius



RAI Italia
OSL card

受信報告をお送りください。お礼の状をお送りいたします。
 Thank you very much for your reception report

あなたがラジオを聴いたことを受信報告してください。
 We are pleased to verify that you have listened to our service

受信履歴表 (Frequency)
 1st PRGR 3925 (100%) 8115 (100%) 9165 (100%) 11015
 2nd PRGR 3925 (100%) 8115 (100%) 9165 (100%) 11015

受信年月日 Year 1996. 11. 3

時間 Time 12:20 - 1:15

ラジオ日本 日本放送協会
 〒100 東京都千代田区千代田 1-1-1
 電話 03-3211-1111
 電報掛 03-3211-1111
 11-11-96 100-1111
 11-11-96 100-1111
 11-11-96 100-1111



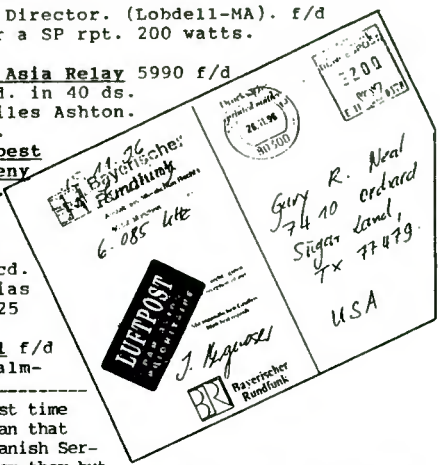
v/s Wayne Downs, Director. (Lobdell-MA). f/d cd. in 7 wks. for a SP rpt. 200 watts. (Lazarus-LA).

HONG KONG: BBC East Asia Relay 5990 f/d "Chinese Junk" cd. in 40 ds. for \$1.00. v/s Miles Ashton. (Palmerseim-WA).

HUNGARY: Radio Budapest 5965 via **Jaszbereny** f/d cd. in 70 ds.

(Humenyk). 9840 f/d "Radio Receiver" cd. in 53 ds. (Humenyk). 7250 f/d "Castle in Budapest" cd. in 62 ds. (Humenyk). 13695 via **Diosd** f/d cd. in 70 ds. (Humenyk). 6190 f/d "Mathias Church" cd. in 52 ds. (Humenyk). 5925 f/d cd. in 100 ds. (Humenyk).

INDIA: All India Radio 4775 via **Imphal** f/d "Sanchi" cd. in 6 mo. for \$1.00. (Palm-

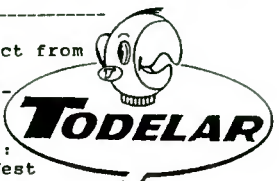


NOTES: Henry Weissborn says that for the first time in over 6 years of reporting to Radio Japan that they sent him a n/d QSL card for their Spanish Service. I still get a n/d every so often from them but they still do offer f/d QSLs. My last letter from them had one of each. Hi! Sam. **Don Dacus** sends everyone his greetings for a great DX season. **Denis Pasquale** was very happy with his QSL from Radio Mexico Internacional and is awaiting replies from Radio Nacional del Paraguay and the Voice of Armenia - 3rd attempt on both. They are usually pretty good verifiers...Sam.

ersheim). 4850 via **Kohima** p/d prepared cd. direct from site in 44 ds. for ms. v/s K.K. Jose, Assistant Engineer. (Martin-CA). 4820 via **Calcutta** f/d prepared cd. from the site in 47 ds. for SASE

QSL
November 17 1996
0100 UTC
9.905 MHz
English

(used). Also rcvcd. personal ltr. v/s R.N. Dam. Addr: Chinsurah, PIN: 712 102, West Bengal. (Martin-CA).



IRELAND: United Christian Broadcasters 6200 f/d cd. * w/ site in 2 wks. for E-mail rpt. v/s Graeme Wilson, Technical Manager. Bookmark and booklet were rcvcd. (Maroti-NY).

Henry Weissborn
11214 Cliffwood
Houston TX 77035
USA

ISRAEL: Kol Israel 9435 f/d cd. w/ sked. in 126 ds. (Humenyk). same in 110 ds. (Humenyk). same in 74 ds. (Humenyk).

ITALY: RAI 6005, 9645 and 11800 p/d "Painting of Amedeo Modigliani" cd.

* in 1 mo. (Humenyk). **Radio Europe** 7306 colorful "Pegasus" cd. w/ sticker and ltr. v/s Dario Monferini. 150 watts! (Berg-MA). (Humenyk).
JAPAN: Radio Japan 9535 f/d "Azaleas on a River" cd. in 29 ds. w/ schedule.
JAVA: Voice of Indonesia 9525 f/d "Resorts" cd. in 108 ds. for a JP rpt. v/s Rahamefy Eddy. (Hosoya-JPN).
JORDAN: Radio Jordan 11690 f/d cd. in 58 ds. w/ 2 stickers and schedule. for a taped rpt., photo of my cats (!) and Canadian stamps. Also sent along \$1.00 and 1 IRC. (Woloch-PQ). f/d cd. w/ stickers and schedule in 7 wks. v/s Jawad Zada. (Maroti-NY).

VOICE OF THE MEDITERRANEAN

St. Francis Ravenna Ferrara - P.O. Box 1423, Lecco (COM) - Italy 12
Tel. 248000 240411 Fax 241451

Dear Listeners,
Thank you for your reception report of our transmission
on 13/7/96
at 18:59 ~ 19:05
frequency 12040/9765 kHz
We are very glad to verify herewith your report.

Richard D'ANGELO

KALINIGRAD: Voice of the Mediterr-
* **anean** 9765 and 12060 f/d cd. in 81 ds. (Humenyk).

KAZAKHSTAN: Radio Free Asia 7550 n/d form ltr. in 5 mo. Sticker rcvcd. (Palmerseim-WA). **Radio Nederlands** 11655 via **Alma Ata** f/d cd. in 93 ds. (Humenyk).

KOREA, PEOPLES DEMOCRATIC REP:
Radio Pnyonqyang 11700 f/d cd.

"Voice of the Mediterranean" broadcasts daily between 1900 and 2100 hours UTC concurrently on 9765 KHZ and 12060 KHZ Start Here.

QSL VERIFICATION

Dated: 13.02.1997.

RADIO STATION : ALL INDIA RADIO, THIRUVANATHAPURAM, INDIA

Dear Mr. Frank Schwartz Jr.,

Thank you for your reception report. We are pleased to verify your reception of our transmission. The Transmitter is meant for Regional coverage only and the programme is in Malayalam, the local language.

DATE : 10.01.1997 TIME : 01.25 to 02.00 (GII)
 FREQUENCY : 5010 kHz POWER :

SIGNATURE *[Handwritten Signature]*
 STATION ENGINEER
 ALL INDIA RADIO
 THIRUVANATHAPURAM-14

Lancers Gap f/d personal ltr. in 28 ds. w/ sticker for \$1.00. v/s Martin J. Rigby, BBC Senior Engineer. (Humenyk-ONT).

MALTA: Voice of the Mediterranean 11925 f/d "Auberge de Castille" cd. in 91 ds. (Humenyk).

MEXICO: XERMX Radio Mexico Internacional 9705 f/d cd. w/ pennant and stickers in 1 mo. for a taped rpt. and \$1.00. v/s Juan Mort. (Pasquale-PA).

MOLDOVA: Voice of Russia 9550 via Kishinev f/d "Peoples Friendship House" cd. w/ site in 5 wks. for a FAXed rpt. (Maroti-NY).

QSL COLUMN NOTE: Several of you have asked what the designation (*) stands for. I utilize this to signify either a rarely reported QSL, new station QSL, new pennant, etc. The language symbols (SP) Spanish, (PT) Portuguese, (RS) Russian, (EG) English and others should be fairly well understood by everyone.....Sam.



MOLDOVA (Pridnestrovye Republic of): Radio Dniester International 7105 and 11750 via Tiraspol f/d cd. via Bulgaria after a f/up rpt. in 111 ds. For \$1.00 and 1 IRC. (Kusalik). 7105 f/d "Buildings" cd. in 341 ds. v for a 93 reception. Reply via Roman Pankov in Bulgaria. This was my 240th country verified: (Kusalik-ALB).

NEPAL: Radio Nepal 5005 f/d "Pokhara" cd. in 11 mo. for 4 IRCS after 13 rpts. covering more than 16 yrs: v/s R.S. Karki. C/V # 215. (Palmerheim-WA).

NEW ZEALAND: Radio New Zealand International 15115 via Rangitaki f/d "Map" cd. in 118 ds. w/ personal note, schedule and 2 IRCS. (Humenyk-ONT).

NEW ZEALAND (Pirate): Kiwi Radio 7475 electronic QSL in 6 hours from Graham Barclay. (Barrera).

NORWAY: Radio Norway International 9910 "Rose Painting" cd. in 41 ds. (Hosoya). 9560 via Fredrikstad f/d "Buttercup and Vase" cd. w/ sticker in 93 ds. (Humenyk). 11840, 13805 and 15230 f/d "Lovely Land" cd. w/ sticker and schedule in 102 ds. (Humenyk) 9590, 13800, 15305 and 15340 p/d "Map" cd. w/ personal ltr. in 28 ds. (Humenyk).

PAPUA NEW GUINEA: Radio Southern Highlands 3275 f/d ltr. in 1 1/2 mo. for a taped rpt. and ms. v/s Andrew Meles, Provincial Program Manager. (Rausch-NJ). NBC 4890 via Port Moresby f/d "Map" cd.

Mr. Edward Rausch,
 Cedar Grove, New Jersey 07009-1039
 01 USA

Has been registered as a
 keen listener of the CAMERADION
 RADIO TELEVISION Programmes.
 Frequency: 4850 khs Time: 2030 - 2115 UT
 Station: CRTV Yaounde Date: 7 Dec. 1996

Issued in Douala On the 20 JANV 1997

Witness seal & signature



850 Tomé Relay Station

Christopher R. Lobdell
P.O. Box 146
Stoneham,
MA 02180
USA

24 January 1997

Dear Mr Lobdell

We are very happy to receive a reception report of Sao Tome Relay Station from you. It is always our pleasure to receive information on the quality of our received signal.

I confirm your reception of our short wave transmission from Sao Tome Relay Station on 17 October 1996 PRESIDENTIAL DEBATE from California in English on frequency 4760 from 0100 UTC to 0230 UTC.

Our IAHWS transmitter "VP1000", a medium wave transmitter, has been modified to short-wave with an output power of 100 KW. The antenna was a 1x1 curtain with bore sight bearing of 30 degrees.

As the name "relay station" implies, our station relays programs produced in our Washington, DC studios. The programs we relay reach us via digital satellite link. No programs originate in Sao Tome.

Attached is our operating schedule showing all the frequencies currently in use by VOA Sao Tome Relay Station. On weekends there are some variations from this list in program duration and language services.

All short wave broadcasts from Sao Tome Relay Station are at a power of 100 kilowatts into certain antennas ranging in size from 1x1 to 4x4. At 1530 KHz medium wave we broadcast with 600 kilowatts using a two tower vertical antenna array. We broadcast on 4760 and 4960 with tropical band transmitter power of 100 kilowatts into certain antennas ranging in size 1x1 and with a bore sight bearing of 030 degrees.

Yours



schedule in 85 ds. for 1 IRC.(Weissborn). f/d "National Military Centre" cd. in 79 ds.(Humenyk). 5990 f/d "Moldovita Monastery" cd. in 115 ds.(Humenyk). f/d cd. w/ sked. and ltr. in 100 ds.(Humenyk). 6155 f/d "Patriarch Church" cd. in 59 ds.(Humenyk). f/d "Folk Costumes" cd. in 66 ds.(Humenyk). 5990, 7195 and 9690 f/d "Manucus Inn" cd. w/ ltr. in 59 ds. (Humenyk).

in 6 mo. for \$1.00.(Maroti)
PERU: Radio Satellite 6725 f/d "Logo" cd. w/ personal ltr. in 38 ds. for a SP rpt. & 1 IRC.(Neal-TX).

PHILIPPINES: VOA 9760 f/d cd. in 21 ds. w/ VOA Guide. (Hosoya-JPN).

POLAND: Polish Radio Warsaw 6035 and 7270 f/d cd. w/ personal ltr. and schedule in 71 ds.(Humenyk). 7285 f/d cd. w/ personal ltr. in 77 ds. for 1 IRC.(Neal) 9575 same in 46 ds. v/s Rafal Kiepuszewski.(Zio-lkowski). 7145 and 9525 f/d "Logo" cd. in 95 ds. w/ newsltr.(Humenyk).

PORTUGAL: Radio Portugal 9570 f/d "Old World Map" cd. w/ schedule and sticker in 118 ds.(Humenyk-ONT).

ROMANIA: Radio Romania International 11940 f/d "Atheneum in Bucharest" cd. in 56 ds. for 1 IRC.(Weissborn). f/d "Arbore Church" cd. in 61 ds. w/ personal note. (Humenyk). f/d "Radio Building" cd. w/ sticker and schedule in 85 ds. for 1 IRC.(Weissborn). f/d "National Military Centre" cd. in 79 ds.(Humenyk). 5990 f/d "Moldovita Monastery" cd. in 115 ds.(Humenyk). f/d cd. w/ sked. and ltr. in 100 ds.(Humenyk). 6155 f/d "Patriarch Church" cd. in 59 ds.(Humenyk). f/d "Folk Costumes" cd. in 66 ds.(Humenyk). 5990, 7195 and 9690 f/d "Manucus Inn" cd. w/ ltr. in 59 ds. (Humenyk).

NOTES: G. Michael Woloch, an old friend from Outremont, PQ, says his last report to the QSL Column was about 4½ yrs. ago. He received his tip about the EG service from Rad Radio Jordan from Sheldon Harvey and Bill Westenhaver on the CKUT DX program. Michael says that he retired from teaching at McGill University last fall.

Ed Tillbury checks in from Sportsman's Point Circle in Anchorage, Alaska with 3 feet of snow. He says that it appears that the "cone of Silence" may be lifting from his area. On a good day he might be able to pull in Radio Australia with moderate static levels. At least the East Indians on 60 meters are starting to show up once again....Best of luck...Sam.



RADIO SPARKS WISHES YOU



via
McCarthy

A HAPPY NEW YEAR

RUSSIA: Deutsche Welle 5925 cd. in 43 ds. w/ sticker for 1 IRC(returned). (Hosoya). Voice of the Mediterranean 15550 f/d cd. in 31 ds. for a JP rpt.(Hosoya).

SAINT HELENA: Radio Saint Helena ZD7RSD 11092.5 f/d cd. w/ form ltr. in 23 wks. for \$1.00.(Maroti). same in 4 mo.(Berg). "Map" cd. w/ info. ltr. in 6 mo. for \$1.00. v/s Tony Leo.(Fedor-NV).

SAO TOME: VOA Pinheira 11975 f/d "Cascade Mountains" cd. w/ guide in 87 ds.(Humenyk). f/d ltr. direct from site in 60 ds. for



\$1.00. v/s Charles L. Lewis, Assistant Transmitter Plant Supervisor. (Palmer-shiem-WA). 4960 f/d 1tr. in 6 wks (Myers-VA). 9780 f/d "Niagara Falls Border" cd. in 88 ds. (Humenyk).
SLOVAKIA: Adventist World Radio 11610 via Rimavsk Sobota f/d cd. w/ personal 1tr and schedule in 46 ds. (Humenyk). same in 78 ds. w/ stamps. (Humenyk). **Radio Slovakia International** 5930 f/d cd. in 22 ds. for \$1.00. (Pasquale-PA).
SOUTH AFRICA: Radio Nederland 11655 via Meyerton f/d "Up-Link" cd. in 26 ds. (Palmer-shiem). f/d cd. in 2 mo. v/s Kathy Otto. (Field-MI). same cd. in 35 ds. (Kusalik). **Channel Africa** 9685 f/d "Folk Dancing" cd. in 34 ds. w/ cal-

NOTES: Pedro M.C. de Castro took a photocopy of the Radio Cultura pennant that was in last month's QSL Column to the station manager, Jose Aparecido. He was very happy to see it and gave Pedro some of his last station stickers. Thanks for sending me one!...Sam. By the way, check out Pedro's Radio Cochiguaz pirate QSL at the bottom of the page. On a sad note, I must report that I received a note from Masao Hosoya of 1-1-19, Sengen-cho, Higashi-kurume-shi, Tokyo, 203 JAPAN in which he reports the untimely passing of his eldest sister from cancer. He and his family have been taking care of her until her unfortunate passing. I'm sure all of us express our most sincere condolences to Masao....Sam.

RADIO AUSTRALIA In touch with the world

To commemorate 60 years of transmission from Shepparton Radio Australia invites listeners around the world to tell us about reception in your area.

We confirm your reception report: Hary Weissborn

Date/Time	Frequency	Call	SIG
21.11.96	9580	14LB	—
7.38			
	100	KW	TX

Radio Australia
 PO Box 4260
 Melbourne 3001
 Victoria AUSTRALIA

Transmitters:
 ● Canberra 119730 14649
 ● Darwin 130780 12762
 ● Shepparton 149780 32769
 ● Brisbane 147300 12769

(NTA) NATIONAL TRANSMISSION AGENCY

SENTECH via BBC Meyerton f/d "Antenna" cd. w/ personal 1tr. in 21 ds.
SPANISH MOROCCO: VOA 17895 via Briech f/d "Golden Gate" cd. (Humenyk). in 89 ds. (Humenyk). 15410 f/d "Mt. Ranier" cd. in 1 mo. (Maroti). **Radio Mediterranee Internationale (Medi 1)** 9575 via Nador f/d cd. w/ personal 1tr. and sticker for 2 IRCs in 119 ds. (Neal-TX).
SRI LANKA: VOA 7115 f/d "Colorado River Rafting" cd. in 88 ds. w/ pennant and schedule. (Humenyk). **Radio Japan** 12045 f/d cd. in 27 ds. (Ziolkowski).
SULAWESI: RRI Ujung Bandang 9552.3 f/d prepared cd. in 1 mo. for SASE. The envelope was used. This took 9 reports over 15 years! (Palmer-shiem).
SUMATERA: RRI Tanjungkarang 3395.1 f/d prepared cd. in 76 ds. for an IN rpt. and SASE (used). v/s M. Nasur Agun. (Palmer-shiem). **RRI Pekanbaru** 5040 f/d prepared cd. in 38 ds. after 2 f/up rpts. in IN for ms(used). (Martin-CA).

I can't believe we have to end the QSL Column here. This is the earliest (Sumatera) that we ever had to stop. We'll try like heck to get all of the remainder in for next month. Wasn't it just an issue or two ago that I only had about three pages of QSLs?

Best of QSLing....Sam.

Sam

Radio Cochiguaz

A Pedro M.C. de CASTRO, BRASL. -
 "Confirmación en concreto informe de recepción sobre la transmisión de Radio Cochiguaz en la frecuencia de 11412.9 kHz. los 01.02.1997 en el horario de 2233-2353, hora UT C."
 Concluido 73h.
 Radio Cochiguaz

Contributors' Page

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

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members contributed loggings:

Brian ALEXANDER, Mechanicsburg, PA	AOR AR-7030 100' LW
Gabriel Ivan BARRERA, Buenos Aires, ARG	NRD-525 32m dipole
Jerry BERG, Lexington, MA	R8 165' LW
Brian BOULDEN, Fairfield, CA	Sangean ATS-909 MFJ-956 LW
Erik BUENEMAN, Hazelwood, MO	ATS-803A homebrew antenna
David CLARK, Thornhill, ONTARIO	R8A ANC-4 Carolina Beam
Bob FRASER, Cohasset, MA	Sony ICF-2003 ICF-SW100S 2m LW
Bill FLYNN, Cave Junction, OR	R8 DX-Ultra inverted V
Bob HILL, Littleton, MA	Sony 2010/whip 120' dipole RW Loop
Harold LEVISON, Philadelphia, PA	R8 R70 YB400
Gigi LYTLE, Lubbock, TX	
George MAROTI, Mt. Kisco, NY	Sony 2010 30' dipole MFJ-956 tuner
William McGUIRE, Cheverly, MD	DX-380
Kevin MURRAY, Holliston, MA	R8 AOR 7030 Beverage and loop antennas
Gary NEAL, Sugarland, TX	Grundig YB-400
Dennis PASQUALE, New Brighton, PA	Sony 2010 beverage antennas
Sheryl PASZKIEWICZ, Manitowoc, WI	R8 NRD-525 60' LW Eavesdropper
Stephen PITTS, Minnetonka, MN	NRD-535D FRG-7 Eavesdropper RW Loop
Steve PONDER, Houston, TX	Panasonic RF-3100 Grove TUN-3
Karl RACENIS, Livonia, MI	Drake SW-8 190' LW
Ed RAUSCH, Ceder Grove, NJ	R5000 sony 2010 MFJ-959 Eavesdropper
Bob RAYMOND, Nashua, NH	IC-745 40meter 1/2 wave vertical
Jim RENFREW, Rochester, NY	R8 2010 MJF-959B A/D Sloper
Chuck RIPPEL, Comland, VA	R390A R8A R1051H SP-600 51S-1 LW's
Betsy ROBINSON, Clinton, TN	Sony 2010 Indoor antenna
Giovanni SERRA, Rome, ITALY	NRD-525 AD Sloper
John SGRULETTA, Mahopac, NY	NRD-515 AD Sloper Moseley SWL-7 dipole
Errol URBELIS, Kings Park, NY	TS-940SAT FT-980CAT LW's
Mahendra VAGHJEE, Rose Hill, MAURITIUS	Lowe Europa 225E Sony 2010 LW ARA60
Dan ZIOLKOWSKI, South Buffalo, NY	R8 Sloper SPS NRF-7 SEM QRM Eliminator

Thanks to the above thirty contributors, and welcome to those who have contributed their logs and QSL's for the first time. Please note that the deadline for contributions is back to the 10th of the month. Mail your envelopes early enough to reach me by the deadline.

Best wishes and Good DX!



FOR SALE: Pioneer Reverberation Amplifier, Model SR-220W. Adds echo effect to any sound input. Terrific addition to sound systems. Excellent condition. Price \$45.00 plus shipping. Nick Terrence, 12 Eleanor Place, Huntington, NY 11743. Phone (516) 951-5477 days or e-mail <nterrence@suffolk.lib.ny.us>.

FOR SALE: World Radio TV Handbooks: 1983, 1984, 1985, 1993, 1994. Price is \$5.00 each plus \$1.00 book rate postage or \$20.00 for all five including postage in U.S.. Thomas R. Sundstrom, P.O. Box 2275, Vincentown, NJ 08088-2275. E-mail <trs@trsc.com>.

Tropical Band Loggings

Sheryl Paszkiewicz
P.O. Box 152
Manitowoc, WI 54221-0152

- 2325 AUSTRALIA VL8T 3/8 1105 pop mx, weak (Race-MI)
 2420 BRAZIL R Sao Carlos 3/28 0134 rel pgm (Barr-ARG)
 2460 CHINA Yunnan PBS 3/19 1040 CH tlk & mx, poor (Urbe-NY)
 2485 AUSTRALIA VL8K 3/10 1238 nx, phone int, nx //others (Pitt-MN)
 3/18 1100 nx, rap, hip-hop & C&W mx (Urbe-NY)
 2490 BRAZIL 98 FM A Voz da Radio, ex-Oito de Setembro w/tlk,
 sev IDs, mx (Barr-ARG)
 3105 CHINA CNR 1 2/28 1119 CH tlk //6160 & 5320 (Valk-HI)
 3141.8t INDO RSPDT2 Halmahera Tengah 2/26 1035 lagu, IN tlk, high
 static, Jakarta nx 1200 (Valk-HI)
 3163.6 CHINA CNR 2/28 1212 CH tlk //5030, wobbly carrier (Valk-HI)
 3205 NEW GUINEA R Sandaun 3/24 1133 Big Band mx, anmts (Sgru-NY)
 3/8 1140 PD/EG tlk, TC, song, ID (Race-MI)
 3210 MOZAMBIQUE PM 3/18 1825 tlk abt parliament, ads, ID, carnival
 mx, nx (Vagh-MAUR)
 3222 SUNDAS RRI Mataram 3/19 2120 Koran, rel tlk (Vagh-MAUR)
 3245 INDIA AIR Lucknow 2/27 1425 tone, IS, anmts, EG nx (Valk-HI)
 1248 KALIMANTAN RRI Banjarmasin 3/19 2135 loud IN tlk (Vagh-MAUR)
 3250 HONDURAS R Luz y Vida 3/17 0133 sermons, ID, mx (Buen-MO)
 3264.7 SULAWESI RRI Gorontalo 2/28 1022 ID, lagu, tlk, nx (Valk-HI)
 3/13 1136 Koran, AR tlk, ME mx, anmt, SCI, nx (Murr-FL)
 3280 CHINA Vo Pujiang 3/10 1246 CH tlk, mx, orch mx (Pitt-MN)
 3290 GUYANA GBC 3/8 0357 EG tlk abt late Pres. Dr. Jagan (Race-MI)
 3/18 0310 US pops w/astounding level (Ripp-VA)
 3305 NEW GUINEA R Western 2/27 1004 PNG nx in PD, TC, PSA, island
 mx, live speech, drums, ID (Valk-HI)
 3315 ADMIRALTY ISL R Manus EG--Gigi copied much word for word
 dialog on this one but I stupidly lost her logging--sp(Lytl-TX)
 3315 INDIA AIR Bhopal 2/26 1741* nx, ID, ment meters (Valk-HI)
 3315 USA WWCW 3/21 0210 right wing tlk, ads, pgm promo (Vagh-MAUR)
 3316 SIERRA LEONE SLBS 3/7 2308 EG tlk abt West Africa (Race-MI)
 3/20 0705 nx, ment UK, Afr mx, EG PSAs (Buen-MO)
 3329.5 PERU Ondas del Huallaga 2/27 1042 EZL, Indian tlk, ID (Valk-HI)
 3/28 0056 msg, ads, ID, nx (Barr-ARG)
 3330 ZAMBIA Christian Vo 2/26 1622 EG mailbag, Bible tlk (Valk-HI)
 3335t NEW GUINEA R East Sepik 3/9 1128 PNG ID, 1202* (Race-MI)
 3339.9 PERU R Altura 3/15 0300 anmts, OA mx, ID, Birthday song (Alex)
 2/28 0300 ment Cerro de Pasco, Birthday song, instls (Valk-HI)
 3/9 1049 pgm preview, ID, Esperanza net rel pgm (Race-MI)
 3/14 1015 Andes mx, IDs, ads, anmts (Urbe-NY)
 3344 MOLUCCAS RRI Ternate 3/19 2140 IN tlk, chorus (Vagh-MAUR)
 3345 INDIA AIR Jaipur 2/13 0129 TP tlk/mx & siren--jammer? (Sgru)
 2/26 1725 gamelan mx, ID, 4+1 ticks, EG nx //others (Valk-HI)
 3/28 0108 Indian mx, HD pgm, mx (Barr-ARG)
 3365 BRAZIL R Cultura 3/16 0054 rancheras, anmts past 0115 (Hill-MA)
 finally hrd this 4/16 0303 orch, ment Brasil, vcls, IDs, 60s
 pops (Pasz-WI)
 3366 GHANA GBC-2 3/8 0548 TC, ID, Afr folk mx, drum IS (Race-MI)
 3373.5U JAPAN NHK Osaka 2/27 1247 SP lesson, exc sig (Valk-HI)
 3375 BRAZIL R Clube? 3/13 0148 nonstop mx, tlk 0200, nx, ad (Vagh)
 3384.9 SUNDAS RRI Kupang 2/28 1350 lagu, nx, ID, nx (Valk-HI)
 3389.9 N KOREA R Pyongyang 2/28 *1500 march, number sets (Valk-HI)
 3390 SJKKIM AIR Gangtok 2/27 1359 nx, ID, HD mx, ute QRM (Valk-HI)
 3395 NEW GUINEA R East Highlands 3/1 0938 tlk, ment East Highlands,
 orch mx, ID (Valk-HI)
 3395.1p SUMATRA RRI Tanjungkarang 3/16 2245 IN tiks solid (Ripp-VA)
 3396 ZIMBABWE ZBC 3/18 *0300 tone, NA, ID, TC (Ripp-VA)
 3646 IRIAN JAYA RRI Fak-Fak 3/9 1915 long tlk, on & off (Vagh-MAUR)
 3677 UNID sounded Indonesian (Vagh-MAUR)

3905 IRIAN JAYA RRI Merauke 2/28 1328 harp like mx, nx, ID (Valk)
3/9 1947 AR tlk, mx, 1955 off (Vagh-MAUR)

3905 NEW IRELAND RNI 3/1 0806 island mx, YL host, ID (Valk-HI)
3/8 1109 tlk abt PNG, weak (Race-MI)

3935 NEW ZEALAND ZLXA 2/28 1617 National R Relay, pops, TC (Valk)

3945 VANUATU RV 3/8 1027 ment Van. & PNG, pops (Race-MI) 3/15
1045 island mx, prayers, hymn, ID (Urbe-NY)

3959.8 INDO RRI Palu? 2/28 1106 nx, mx bridge, ID, Korea QRM (Valk-HI)
3/9 1959 IS, nx in IN, mx (Vagh-MAUR)

3970 ENGLAND R Korea Relay 3/9 2008 FR Panorama, ballad (Vagh-MAUR)

3976.8 KALIMANTAN RRI Pontianak 2/26 1141 nx, ment Pontianek, Bandung,
Jambi, etc, ID, strong (Valk-HI)

3996.1 SULAWESI RRI Kendari 2/26 1645 lagu, remakes, tlk (Valk-HI)

4000.1 SULAWESI RRI Kendari 2/28 1228 pops, IS, TP, ID, nx (Valk-HI)

4005 VATICAN VR 3/8 2237 ID 2238, thot it was some great DX catch
until ID (Race-MI)

4070 CLAND Vo Iraqi Kurdistan? 3/12 1540 KK mx, tlk (Vagh-MAUR)

4420.2 PERU R San Juan 2/28 1213 OA mx, echo ID, mx, tnx Hans(Valk-HI)

4450 BOLIVIA R Frontera 3/14 1010 ads, ID, TC, mx (Urbe-NY)

4545 KAZAKHSTAN Alma Ata R 3/16 2340 IS, NA, ID, nx (Urbe-NY) 3/12
1615 tlk, weak (Vagh-MAUR)

4567.7vp PERU R Gotas de Oro 3/22 0430 anmts, pops, OA mx (Alex-PA)
4/15 0058 vcls under ute, M tlk (Pasz-WI)

4606.4 IRIAN JAYA RRI Serui 2/26 1302* lagu, site ID, nx (Valk-HI)
3/11 1125 pops, harp IS, TP, tlk, SCI, nx (Murr-FL)

4635 TAJIKISTAN TR 3/12 1620 TT tlk, poem, mx (Vagh-MAUR)

4678.1 VIETNAM QTH? 2/27 1307 //5924.6, YL anmts, tnx Johnson (Valk)

4680 UNID 4/6 0230 tlk, mx & bubble jammer on & off (Sgru-NY)

4697 UNID Surabaya? 3/19 1810 sounded IN tlk, mx, drama (Vagh-MAUR)

4753.1 SULAWESI RRI U-P 3/16 2230 IN tlks (Ripp-VA)

4760 ANDAMAN ISL AIR Pt Blair 2/27 1700* ID, Leh not hrd (Valk-HI)
3/4 0003 HD mx, wx, sked, tlk abt health (Vagh-MAUR)

4777 GABON RTV Gabonaise 3/7 2153 ID, FR pops, nx (Race-MI)

4777.7 BOLIVIA R Andes 3/29 *0935 guitar s/on, ID, CP mx (Alex-PA)

4780 ECUADOR R Oriental 3/14 1015 IDs, Andes mx, TC (Urbe-NY)

4782.9 MALI RTM 3/28 2359* Afr pop mx //4835, NA (Barr-ARG)

4783.8 MALI RTM 3/7 2225 Afr vcls, ID 2250, nx & mx bridge (Race-MI)

4790 INDIA AIR Itanagar 3/7 1128 HD mx, ID but site undistinguish-
able even by an Indian friend of mine at work (Sgru-NY)
2/27 1300 site ID, program promos, nx (Valk-HI)

4790 PERU R Atlantida 3/9 1038 flute versions of US pops, TC, ID
(Race-MI) 3/18 0959 IDs, instl mx (Buen-MO)

4790.5t PAKISTAN Azad Kashmir R 3/17 0110 poor w/het (Ripp-VA)

4800 GUATEMALA R Buenas Nuevas 3/25 1130 kids song, ID (Sgru-NY)

4815 BRAZIL Rdf Londrina 3/6 0110 Birthday song, ad, ID (Vagh-MAUR)

4815 BURKINA FASO RTV Burkina 3/8 2246 jingle, FR ID, EZL (Race-MI)

4815 CHINA CRI 3/4 0015 mx, CH tlk (Vagh-MAUR)

4815 ECUADOR R Buen Pastor 3/23 0104* HC mx, ID, NA (Alex-PA)

4820 HONDURAS HRVC 3/17 1058 SP tlk w/organ, ads, prayer (Boul-CA)

4820 INDIA AIR Calcutta 3/4 0024 IS, prayer, Sanskrit Vande Matram,
Shenai mx (Indian clarinet), Bengali tlk, HD election results
(Vagh-MAUR)

4820 RUSSIA VoR 3/9 0138 Boy George, RS tlk, chime, nx (Vagh-MAUR)

4820 TIBET Xizang PBS 3/4 2300 TT tlk, trumpet, tlks, CH opera(Vagh)

4825 GUATEMALA R Mam 3/8 0233 guitar, tlk, phone #, rel mx (Vagh)

4825 PERU LV de la Selva 3/14 mx, IDs, etc (Urbe-NY)

4825 TURKMENISTAN TR 3/21 0145 RS tlk, IS, TP, nx (Vagh-MAUR)

4826.3 PERU R Sicuani 3/30 1015 IDs, TC, huayno, tlk (Maro-NY)

4830 THAILAND RT 3/5 2242 TH tlk, pol tlk (Vagh-MAUR)

4845 BOLIVIA R Fides 3/22 0508* tlk, ballads, IDs //9624.9 (Alex)

4845 BRAZIL R Meteorologia Paulista 3/22 0320 mx, phone tlk (Vagh)

4845 MALAYSIA RM 3/4 2313 Tamil pgm, ad, duet, TP, nx (Vagh-MAUR)

4850 CAMEROON CRTV Yaounde 3/7 2241 FR mx, ID, NA (Race-MI)

4850 CHINA CNR 2/26 1438 EG lesson, tlk abt hazards of drinking &
smoking //5030 (Valk-HI)

4860 INDIA AIR Kingsway 3/4 0057 mx, HD tlk, ID, sked (Vagh-MAUR)

4860 UKRAINE RU 3/4 2321 ID, mx, tlk, dance lesson? (Vagh-MAUR)

4870 BENIN ORTB 3/8 2255 FR nx, mx bridges, ID, NA (Race-MI)

4870 ECUADOR LV del Upano 3/15 0237* tlk, ballads, IDs, NA (Alex-PA)

4875 BRAZIL R Roraima 3/27 0108 futbol, "gooooal" cmtry (Flyn-OR)

4880 EANGLADESH RB 3/29 0001 Koran, lang tlk, chants (Barr-ARG)
3/9 0009 Islamic prayer, Bengali long tlk (Vagh-MAUR)

4890 PAFUA NBC 3/8 1203 Good Night Greetings from Pt. Moresby High

School, Karang R ID, Macarena song (Race-MI) 3/17 1104
OM nx, wx, ID, tlk abt law & order probs (Boul-CA)

4895 INDIA AIR Kurseong 2/26 1556 EG pgm, ID, SC mx (Valk-HI)

4895 SARAWAK R Malaysia 3/1 1000 Iban tlk over mx, TP, ID, nx (Valk)
3/4 2337 phone tlk, mx, ID, pop mx (Vagh-MAUR)

4902 SHRI LANKA SLBC 3/29 0047 Sinhala pgm, tlks, mx (Barr-ARG)

4910 INDIA AIR Jaipur 2/27 1415* HD mx & off (Valk-HI)

4910 ZAMBIA ZNBC 3/28 0248 IS, NA, EG/lang anmts, choral mx (Alex)

4915 BRAZIL RN Macapa 3/4 0140 tlk, ment Brasil, ad (Vagh-MAUR)

4915 GHANA GBC 4/12 2300 lang ID as R Ghana, reggae deds (Robi-TN)

4919 ECUADOR R Quito 4/1 0242 musica romantica, ads (Raym)

4925 BOLIVIA R San Miguel 3/14 ID, anmts, Indian mx, PSAs (Urbe-NY)

4925 SUMATRA RRI Jambi 3/9 0004 nx, IN tlk (Vagh-MAUR) HR VAGHJEE--sp

4925.7 MOZAMBIQUE RM 2/26 0400 ballads, anmts, bells, ID, ment SW,
strong but horrible mod (Valk-HI)

4930 GEORGIA R Mayak 3/4 0152 tlk, accordion, chime, nx (Vagh)

4931 HONDURAS R Int'l 3/17 0437 EZL, IDs 0502* (Buen-MO)

4935 KENYA KBC 3/4 0300 EG nx, fanfare, ID, TC, mx (Vagh-MAUR)

4945 BOLIVIA R Illimani 3/29 0930 TC, TP, CP mx ID //6025 (Alex-PA)

4950 ANGOLA RN 3/29 0116 ID, lcl pops, fair (Barr-ARG) 3/16 1940
futhol cmtry, ID, nx (Vagh-MAUR) 3/4 0317 EG mx, PT tlk (Vagh)

4950 KASHMIR AIR Srinigar 2/26 1500 EG nx, ID, 5+1 ticks, nx (Valk)

4960 SAO TOME VOA 3/31 0330* Daybreak pgm signing off (Sgru-NY)

4960 VANUATU RV 3/1 0701 PSAs, ID pronounced Van-ah-Two-Ah, island
mx, interview, ment SW, TC, ads, tnx Hans (Valk-HI)

4969.ip PERU R Imagen 3/29 0900 anmts, OA folk mx, weak (Alex-PA)

4970 INDIA AIR Shillong 2/26 1338 lang nx, EG ID, pops (Valk-HI)

*4970 SABAH R Malaysia 3/16 2015 AR prayer, pop mx (Vagh-MAUR)

4975 TAJIKISTAN TR 3/5 0109 TT mx, ID, nx, mx (Vagh-MAUR)

4976 UGANDA RU 3/18 2045 Afr mx, tlk, EG anmt, poem? (Vagh-MAUR)

4985 BRAZIL R Brasil Central 3/4 0232 mx, ID, phone tlk (Vagh-MAUR)

4990.9 PERU R Ancash 3/18 0334 huaynos, ads, birthday song (Ripp-VA)
3/27 0950 ads, IDs, lite SP mx (Buen-MO)

5000 VENEZUELA YVTO 3/17 1050 very clear (Boul-CA) Actually on the
right frequency!--sp

5005 NEPAL RN 3/1 1415 EG nx, ID, weak w/Malaysia QRM (Valk-HI)

5009 MADAGASCAR RM 3/24 0305 FR tlk, lcl mx, ment Mad. (Sgru-NY)
3/16 0256 IS, NA, ID, lang tlk (Urbe-NY)

5010 INDIA AIR Thiru. 3/4 0130 nx, HD song abt unity, ID (Vagh)

5012 DOM REP R Cristal 3/14 2300 anmts, lots of mx (Urbe-NY)

5019.7 COLOMBIA Ecos del Atrato 3/17 0350 Caracol nx, ment Colombia
lcl anmts, ads (Ripp-VA)

5019.9 SOLOMON ISL SIBC 3/9 0913 EG TC, tlk abt Tuvalu (Race-MI)
3/28 1003 EG ID & "the Happy Islands" (Barr-ARG)

5025 PERU R Quillahamba 3/27 2240 special Easter pgm (Barr-ARG)

5030 CHINA CHE 2/25 1456 instls, CH, 5+1 TP, ID //4850 (Valk-HI)

5030 COSTA RICA AWR 3/17 1112 EG sermon on Amazing Facts Show,
pgm ad (Boul-CA)

5035 BRAZIL R Aparecida 3/22 0232 rel, ad, mx (Vagh-MAUR)

5040 KAZAKHSTAN KR 3/5 0035 nx, slow mx, tlk (Vagh-MAUR)

5040 SUMATRA RRI Pekanbaru 2/28 1510 nx, theme, ID & off (Valk-HI)

5047 TOGO RdF Togolaise 3/20 0652 Afr mx, tlk, FR ID & nx (Buen-MO)

5050 ECUADOR R Jesus 3/17 1032 SP Sorrowful Ministries of the
Catholic Church, IDs, Christian mx (Buen-MO)

5050 INDIA AIR Aizawl 2/26 1542 Delhi EG nx, msg (Valk-HI)

5055 FR GUIANA RFO 3/17 2240 FR nx, pops, reggae, anmts (Urbe-NY)

5070 USA WNCR 4/1 0315 EG Stan Sullivan pgm (Raym)

5100 LIBERIA RL 3/8 2315 Marvin Gaye, EG int (Race-MI) 3/12 2240
ID, EG nx, etc, mx (Vagh-MAUR)

5220 CHINA CRI 3/19 1930 GM tlk, orch mx, IS, 2000 EG (Vagh-MAUR)

5290 RUSSIA Krasnoyarsk R 3/15 2338 long RS tlks, mx bridges from
Tchaikovsky's Andante Cantabile (Hill-MA)

5385 PERU R Huarmaca 3/17 0000 Andes mx, IDs, ads, TC (Urbe-NY)

5560.7 PERU R El Sol? 2/28 1140 OA mx, anmts, weak (Valk-HI)

5619.2 PERU R Ilucan 3/15 0234* tlk, folk mx, ID & anmts (Alex-PA)
3/12 2345 IDs, ads, TC, mx (Urbe-NY) Welcome back--sp

5645 PERU LV San Antonio 3/12 2330 IDs, ads, mx (Urbe-NY)

5700 PERU R Frec. San Ignacio 3/16 0251* ballads, IDs, NA (Alex)

5775.3 PERU R San Juan 3/16 0308 tlk, folk mx, IDs, NA, tnx
Klemetz (Alex-PA)

5890 HONDURAS Radio MI 3/30 0327 mx, IDs, preaching (Renf-NY)

International Band Loggings

Wallace C. Treibel
357 N.E. 149th Street
Seattle, WA 98155

- 5900 BELGIUM RVI Wavre in EG/Flemish *0028, IS, ID, "Brussels Calling", f (Ponder TX 3/16)
- 5910 GERMANY R Vilnius relay in EG 0030, cmntry re lcl distrust of comm banks, g (Pasquale PA 4/7)
- 5955 GUATEMALA R Cultural in SP 1140, sermon, hymns, ID's, QRM WYFR (Urbelis NY 3/13)
- 5975 CANADA BBC relay Sackville in EG 2310, "Science View" feature, g (Fraser MA 3/12)
- 59933 MALAWI MBCC Limbe in EG 1808, nx, cmntry, ID?, interview w/president, f (Valko 2/27)
- 6005 SEYCHELLES BBC relay in EG 2100, nx, "World Business Brief", f-g (Sgrulletta NY 3/23)
- 6010 ITALY RAI in EG 0053, nx re Italy's involvement in Albania (Pasquale PA 4/3, Fraser MA)
- 6010 MEXICO R Mil in SP 0848, jingle ID's, ads, lite vcl mx, //XEOY MW, g (Buенeman MO 3/18)
- 60182 PERU R Victoria in SP 0916, relig pgm, ID's as LV de la Liberacion (Barrera ARGENTINA 3/30)
- 6025 DOMINICAN REPUBLIC R Amamecer in SP 2210, Bible format, ID's, f (Urbelis NY)
- 6030 GERMANY Sudddeutscher Rundfunk in GM 2227, pgm re famous streets, QRM (Racenis MI 3/8)
- 6050 NIGERIA RN Ibadan in EG 2305*, nx, ID, fqy, s/off "Good night everyone" (Pitts MN 3/10)
- 6055 RWANDA R Rwanda Kigali in FR/Lang/EG 2040, sports, tlk, fqy, ID, NA (Vaghjee MAUR 3/21)
- 6060 MALAYSIA RM Sarawak in Iban 1035, tlk w/ment of Malaysia, vp, //6050, 5005 (Valko 3/1)
- 6085 GERMANY Bayer Rundfunk in GM 2045, mx, tlk, ad, pips, ID, nx (Vaghjee 3/19, Racenis MI 3/8)
- 60899 NIGERIA RN Kaduna in Hausa 2150, lcl info, drums, ID, vern mx, covered by Anguilla at *2205, (Urbelis NY 3/17, Pitts MN 3/10) in Hausa 0718, tlk, chant, flute mx, QRM (Serra ITALY 2/8)
- 6090 BRAZIL R Bandeirantes in PT 0126, Latino mx, tlk re futbol, nx, cmntry (Vaghjee MAUR 3/7)
- 6115 PERU R Union Lima in SP 0809, pop mx, "Union" ID's, f-g (Buенeman MO 3/17)
- 6130 CANADA CHNX Halifax in EG 0725, 1130, & 2254, "Golden Oldies" format, ID "96 FM CHNX" relay also for CHNS 960 khz, wx, ads (Pitts MN 3/17, Buенeman MO 3/20, Ziolkowski NY 3/30)
- 6135 BOLIVIA R Santa Cruz in SP 1010, ID's, ads, lcl info, LA mx, wx (Urbelis NY 3/14, Racenis MI)
- 61494 THAILAND Or Sor Palace Stn in lang 1053, ezl mx, 5+1 pips, ID?, instrmls, NA, f (Valko 2/28)
- 6155 BOLIVIA R Fides in SP 1015, Bible pgm, sermon, lcl mx, several ID's, f (Urbelis NY 3/14)
- 6155 SINGAPORE RCS Radio One in EG 1030, US pop mx, ID, nx (Maroti NY 3/22) in EG 1500, nx, wx, ID, mx pgm (Vaghjee MAUR 3/18) in EG 2309, nx, tlks, Elton John mx (Rippel VA 3/8)
- 6165 ZAMBIA R Zambia Lusaka in EG 0248, Fish Eagle IS, NA, Afro pops, p (Alexander PA 3/28) in EG 1520, "Voice of the Church", songs, drum mx, pips, nx (Vaghjee MAUR 3/18)
- 6180 UNITED ARAB EMIRATES Abu Dhabi in AR 2126, Holy Koran, mx, ID (Barrera ARG 3/28)
- 6200nf IRELAND United Christian Broadcasters in EG 2120, interviews, ID, mx pgm, QTH, ancd fqy changes for FM outlets, TC for 10 o'clock at 2200, nx, sports (Maroti NY 3/23, Berg MA 3/15)
- 6205usb COSTA RICA RFPI in EG 0658, sermon, QTH in USA, ID, flute & instrml mx (Serra ITALY 2/8)
- 6210 ETHIOPIA R Fana Addis Ababa in lang 0400, nx, lcl info, ID, Vern mx mix (Urbelis NY 3/10) in lang 1610, tlk, song, ID, more long tlks (Vaghjee MAUR 3/18)
- 6240nf7 GREECE R Free Asia relay 1440, VT tlk 1440, EG ID 1458, Burmese 1500 (Vaghjee MAUR 3/18)
- 6250 EQUATORIAL GUINEA R Nac Malabo in SP 2100, nx, ID's, lcl mx & info, p (Urbelis NY 3/13)
- 65317nf7 VIETNAM Cao Bang BS in lang *1159, s/on w/instrum anthem-like melody & repeated anmts by OM & YL, definite mention of Cao Bang, strong distorted sig (Valko 2/28)
- 65602v IRAQ Rep of Iraq Radio in AR 0410, long chants, tlks, by OM (Rippel VA 3/17)
- 6570 MYANMAR Defense Forces BCS in lang 1055, Asian folk mx, tlks, ID (p) (Barrera ARG 3/29)
- 67021 VIETNAM Lao Cai BS in VT 1132, tribal mx w/flutes, //5976 (Barrera ARG 3/28, Valko 3/26)
- 68438usb SOMALIA Holy Koran Radio in lang 1725, long tlk w/ment of Allah, Iraq, f-g (Valko 2/27)
- 6840 CHINA CNR Hohhot in CH 2205-2320, nx, tlks, CH mx mix, f-p (Urbelis NY 3/5)
- 69741 LAOS LNR Luang Prabang in lang 1042-1200, tlk, usual bells, ID, anthem-like tune, brief tlk, instr mx, slight fqy drift, //6130 off at 1200 but back on 1218 (Valko 2/26, Barrera ARG 3/28)
- 7110 TURKEY V of Turkey in TK 1930, cmntry on football match, pips, ID, nx (Vaghjee MAUR 3/1)
- 7190nf SOUTH AFRICA The Investment Channel in EG 0310-0420+, investment nx re various companies, ID, QTH, fone #, sked, health nx, //6160 to 0355, 6120 at 0400, all f-g sigs (Alexander PA 3/30)
- 7195 ROMANIA RRI Bucharest in EG 2141, feature, ID, sports rpt, g (Buенeman MO 3/19)
- 7231 INDONESIA RRI Fak Fak in IN 1215, Indo pop mx, ancmts, 1259 SCI w/no ancmnt, into Jakarta nx at 1300, peak sig 1245, rare catch in Florida (Murray FL 3/13)
- 7250 INDIA AIR Panaji in lang *0129, IS, ancmts, SC mx, tlk, QRM by 0145 (Sgrulletta NY 3/24)
- 7270 ALBANIA R Tirana in ALB 2300, ID, nx, songs by YL, tlk, g (Fraser MA 3/12, Levison PA 3/24)
- 7280 TURKEY V of Turkey in EG 2300, ID, into nx, //6135, 9655, g (Fraser MA 3/13)
- 7295 MALAYSIA Radio 4 in EG 1000, pgm promo, TP, ID, f-g some QRM (Valko 2/26) 24 hrs in EG
- 7380 BULGARIA R Bulgaria in IT *2059, nx, cmntry, tlks, folk mx, RTTY QRM, //7530 (Urbelis NY)
- 7465 NORWAY RNI in EG 0200, ID, fqys, rpt on fishing in N Sea, f (McGuire MD 3/17) EG Sun only
- 7480 ARMENIA V of Armenia Yerevan in EG *2129, nx, feature, IS, ID's, //9965 (Urbelis NY 3/15)
- 7495 ISRAEL HS Reshet Bet relay in HB 1812, interview, mx, ad, tlk re Arafat (Vaghjee MAUR 3/16)

- 7500 ROMANIA R Moldova Int relay in EG *0429-0455, IS, opening anmts, ID, nx, EG also hd at 2200-2225 & 2300-2325. Always poor w/ noisy xmtr. Mon-Fri only. (Alexander PA 3/28)
- 7520nf GEORGIA Voice of Hope in EG *1900-2100*, ID "....Euro Broadcast Svc of High Adventure Ministries, the Voice of Hope", relig pgm, gospel mx, QTH (Rausch NJ, Renfrew NY, Maroti NY)
- 7670mf? BULGARIA R Horizont Home Svc in BG 2020-2145, nx, pop mx, variety show (Urbelis NY 3/13)
- 9370 GUAM AWR Asia in CH 1200*, sermon, relig chorus chant, IS, ID, fqy (Serra ITALY 2/23)
- 9400 PAKISTAN RP Islamabad in AR 1845, nonstop mx, tlk, pgmd by Zindabad, NA (Vaghjee MAUR)
- 9495 AUSTRIA R Austria Int in EG 0233, "Report from Austria" feature, ID (Paszkievicz WI 3/11)
- 95524 INDONESIA RRI Ujung Pandang in IN 0650, Indo pop-like Lagu pgm, RRI ltr ID, nx (Valko 3/1) in JP 1120, non-stop mx, ID, fqy (Vaghjee MAUR 3/12) in GM 1804, ID, ment of Jakarta, f-g (Valko 2/26) in FR 1900, ID, many mentions of Jakarta, f (Pasquale PA 3/18)
- 9565 INDONESIA RRI Jakarta in IN 0821, soft Lagu mx, ID, RRI pgming, promo, exc (Valko 3/1)
- 9619 MOZAMBIQUE RM Maputo in PT 0635, children's pgm, tlkg & singing, nx (Vaghjee MAUR)
- 96249 BOLIVIA R Fides in SP 1820, greetings & cmnts, ID 1825, mx, f (Barrera ARGENTINA 3/29)
- 9650 CANADA R Korea Int relay in EG 1134, nx, cmntry on hazardous waste (Bueneman MO 3/18)
- 9650 NETHERLANDS ANTILLES D Welle relay Bonaire in EG 0520, econ nx, ID (McGuire MD 3/21)
- 9685 TURKEY V of Turkey in EG 0424, ID, QTH, TK song, tlk re film festival (Vaghjee MAUR 3/22)
- 9700 BULGARIA R Bulgaria in EG 2030, rpt on study of management, //7335, g (Fraser MA 3/13) in EG 2215, mailbag, tlk re reforms in Bulgaria & the economy, g (Bueneman MO 3/19)
- 9700 NEW ZEALAND RNZI in EG 0920, interviews, piano mx, tlk, p (Serra ITALY 2/23) in EG 1200, rpt on US Senator Kennedy's request that IRA resume ceasefire, f (Pasquale PA 4/5)
- 9705 MEXICO RMI Mexico City in SP 0059, L Am mx, ID's, nx, sports, g (Bueneman MO 3/20)
- 9710 MALI China R Int relay in EG 0030, rpt on shelter forests in N China, g (Fraser MA 3/15)
- 9717 BOLIVIA R La Plata in SP 1731, nice sel of folk mx, ID, "Confidencias" (Barrera ARGEN 3/29)
- 9725 COSTA RICA AWR in EG 2320, "Your Study Hour", ID, relig features, drama on births of Christ and John the Baptist, into AR 0000 (Ponder TX 3/15, Fraser MA 3/15)
- 97371 PARAGUAY R Nacional in SP 0236, ID, tlk re Paraguayan mx in past 20 yrs (Racenis MI 3/8)
- 9840 HUNGARY R Budapest in EG 0350, DX show beamed to N America (Paszkievicz WI 3/14)
- 9880 KUWAIT R Kuwait in AR 1528, tlk, AR song, anmt, ID, //13620, 15110, 15505 (Serra ITALY 3/9)
- 9940 BELGIUM RVI in EG/DT 0755*, ID, fqy, nx, wx, class mx, ID in DT, IS, //9925, 5985 (Serra 3/8)
- 9965 ARMENIA V of Armenia in GM/EG 1916*, GM Bible pgm, EG ID, reg rpts (Urbelis NY 3/17) in EG/SP 2134, nx in EG, folk mx, ID in SP 2200, sked (Barrera ARGEN 3/28, Racenis MI 3/7)
- 11600 CHINA R France Int relay Xian in EG 1207, nx w/ rpts from correspondents (Ziolkowski NY 4/6)
- 11620 INDIA AIR Bangalore in EG 2121, ID, tlk on Parliament, other polit nx, f-g (Bueneman MO 3/19)
- 11655 NETHERLANDS RN Flevo in EG 2000, "Media Network"- DAB radio, g (Fraser MA 3/13)
- 11690 JORDAN R Jordan in EG 1700, ID, nx, wx, rock (Flynn OR 3/24) Mozart mx 1300 (Pasquale 3/28)
- 117341 TANZANIA VoT Zanzibar in SH 1615-2000*, ID, nx, flute mx, vocals, lcl info, Vem mx mix, (Maroti NY 3/30, Urbelis NY 3/18, Flynn Or 3/20, Valko 2/27, Barrera ARGEN 3/28)
- 11775 ANGUILLA Caribbean Beacon in EG 1930-2212*, Dr Gene Scott Bible preaching, University Net pgms, QTH, phone #s, ancd switch to 6090 at s/off (Urbelis NY 3/18, Sgrulletta 3/15)
- 11785 INDONESIA RRI Jakarta in IN 1400+, ezl vocals, National pgming, ID, f-g (Clark ONT 3/30)
- 11810 RWANDA D Welle relay Kigali in EG 1915, "Cologne Newslines", g, //15135 (Fraser MA 3/13)
- 11840 NORWAY RNI in EG 1600, rpt that EU rules permit huge fish waste, f (Fraser 3/16) EG Suns only
- 11880 AUSTRALIA R Australia in EG 0548, Top 40 mx, ID's, f-p (Bueneman MO 3/17)
- 11885 INDONESIA RRI Jakarta in IN 1259*, "Love Ambon" at s/off, //15150 (Clark ONT 3/30)
- 11905 NEW ZEALAND RNZI in EG 0503, national & Pacific nx, promo, wx, tlk, f-g (Bueneman 3/18)
- 11925 SINGAPORE RA Italia relay in IT 1011, nx, interviews, sport nx, cmntry, p (Serra ITALY 3/22)
- 119393 PARAGUAY R Encarnacion in SP 0030, tlk, interview, pop vocal, QRM RCI (Clark ONT 3/29)
- 119404v CAMBODIA Nat V of Cambodia in lang 1213-1305, SEA mx, YL vocals, 2+1 pips, ID 1245, 1300 often heavy QRM R Romania (Rausch NJ 3/9, Clark ONT 3/29, Rippel VA 3/18, Murray MA 3/16)
- 120056 TUNISIA RTV Tunisienne in AR 1918, tlk in AR by OM & YL, ID 1919 (Barrera ARGEN 3/28)
- 12085 MONGOLIA V of Mongolia in EG/RS 1245+, YL ancr in EG between domestic mx sels, closing xmrs in EG 1256, carrier off to 1302, then into RS, f/with QRM R Netherlands (Clark ONT 3/30)
- 13610 SYRIA R Damascus in EG 2015, nx, ID, AR mx, cmntry, f (Vaghjee MAURITIUS 3/18)
- 13625 FRENCH GUIANA R France Int relay in EG 1230, ID, polit & econ nx, g (McGuire MD 3/12)
- 13670 SOUTH KOREA R Korea in EG 0813, cmntry, ID, contest, jingle, f-p (Serra ITALY 3/8)
- 13675 UNITED ARAB EMIRATES R Dubai in EG 1602, pgm on Islam history, //15395, no other //s hrd Dubai also hrd in AR at 1720 on 11795, 13675, and 15395 (Alexander PA 3/15)
- 13720 UKRAINE RUI in UKR 0800, mx pgm presented by OM/YL, ID, fqy, sked (Vaghjee MAUR 3/12)
- 13730 AUSTRIA RAI in EG 1343, "Profile of Austria" opera producer R J Miller, g (Fraser MA 3/16)
- 13770 INDIA AIR in EG 1900, W Bengal man won '96 parliamentarian of yr award (Pasquale VEN 3/19)
- 150099v VIETNAM V of Vietnam in EG 1330+, cmntry, nx including protest by Russian in Vladivostok re back wages (Alexander 3/22, Pasquale 3/28) end of EG 1926, into FR 1930, //9840 (Sgrulletta 3/23)
- 15110 MALI China R Int relay in EG 2103, nx, ID, tlk re limiting imports to China (Bueneman MO 3/19)
- 15115 NEW ZEALAND RNZI in EG 0105, natl wx fcst, TC, promo, tlk on education, f-g, HCJB QRM (Bueneman MO 3/18) in EG 0215, classical mx by Verdi, exc (Sgrulletta NY 4/3)
- 151601 ALGERIA R Algiers Int in EG 1400-1500*, mostly continuous lcl pops/US pops, ID, sked, QTH, nx, press review (Alexander PA 3/15, Maroti NY 3/9)
- 15170 NORWAY Dem V of Burma relay in Burmese 1103-1125*, tlk, SEA mx, f (Barrera ARGEN 3/28)

15240 AUSTRALIA RA in EG 0110, "The World Today", tlk re erratic US stock mkt (Sgrulletta NY 4/3)
 15330 PHILIPPINES R Pilipinas in lang 0338, nx, cmntry, canned promos, ID, g (Valko 2/26)
 15395 SRI LANKA VOA relay in EG 1600-1640 f/o, nx, Focus, Music USA, p (Urbelis NY 3/12)
 15465 MOROCCO VOA relay (temporary) to So Europe in EG 1125, temp fqy due to Albanian situation, advisory to US citizens on evacuating Albania, nx, tlk, Studio 38, sked 0700-1300 (Berg MA 3/15)
 154757 ANTARCTICA R Nacional Arcangel San Gabriel in SP/EG/FR *1857-2106*, ID's in 3 languages, spec Easter Week pgm, instrmls, tlks (Barrera ARG, Berg MA, Clark ONT 3/28, Pitts MN)
 15665 NO MARIANAS KHBI Monitor R Saipan in EG 0759, IS, ID, nx, relig pgm (Serra ITALY 3/8)
 17735nf? SOUTH AFRICA The Investment Channel in EG 1610-1710+, tune-in to tape loop w/ID, QTH, & phone #, CW sound effects, investment & health nx features, p (Alexander PA 3/29)
 17890nf? SOUTH AFRICA The Investment Channel in EG 1900, ID, nx, CW beeps, f (Sgrulletta NY 3/29)
 21455usb ECUADOR HCJB Quito in SP 2100-2130, "Musica del Ecuador, much QSB (Urbelis NY 3/17)
 21765 FRENCH GUIANA R France Int relay in FR 1940, nx, tlk pgm, beam to SA (Sgrulletta NY 3/23)

CLANDESTINE STATIONS

60103 NORTH KOREA V of the National Salvation Pyongyang in KR? 1223, long tlk by YL, into instrml march mx, //4557 (Valko 2/27) ED: This fqy usually covered by jammer
 6315nf ETHIOPIA V of the Tigray Revolution in Vern *0354-0425+, ex-7515, IS, tlk, lcl folk mx, severe ute QRM, better on //5500 (Alexander PA 3/28, Sgrulletta NY 3/30, Renfrew NY 3/20)
 7400 RUSSIA(?) V of Tibet relay in FR? *1222-1254*, IS, chants, tlks, g (Barrera ARGEN 3/29)
 9750 ANGOLA A Voz da Resistencia do Galo Negro in PT *0449-0600+, guitar/cock crow IS, NA, ID, good & in the clear after 0500 VOA s/off, Afro pops (Alexander PA 3/22, Paszkiewicz WI 3/15)
 99417v GUATEMALA La Voz del CID in SP 0005, tlks by YL/OM buried under jammer (Flynn OR 3/2)

TENTATIVE, PRESUMED, OR UNKNOWN

5973 MYANMAR R Myawadi(p) in Lang 1510, Asian pop-like mx, sked 1500-1530 (Valko 2/27)
 6015 UNKNOWN SITE AWR V of Hope w/instrml mx, wiped out 1950 RAI s/on (Sgrulletta NY 3/16)
 6130 LAOS Lao Nat R (p) in Lang 1232-1259, tlks, SEA vcls, BBC wipe out *1300 (Pitts MN 3/17)
 6210 ETHIOPIA R Fana (p) in Lang 0348, long talks by YL (Rippel VA 3/18)
 6900 TURKEY Turkish Meteorological Station (p) in TK? 0506, M East type chants (Rippel VA 3/18)
 75377v SOMALIA R Hargeisa (p) in Lang 1746-1801*, nonstop mx, long tlk, p w/QRM (Valko 2/27)
 94848 ABKHAZIA R Abkhazia (t) in Lang 0435, vp signal (Rippel VA 3/28) ED: Where is Abkhazia?
 95951 URUGUAY R Monte Carlo (p) in SP 0037, romantic folk songs, ad?, p w/QRM (Hilli MA 3/16)
 9670 RUSSIA Komsomolsk Amure (p) Asiatic Russia in RS 0329, Mayak ID, pop mx (Flynn OR 3/10)
 10330 INDIA AIR Delhi (p) in Bamarr (listed) 1217, tlks, //11620 even weaker (Ziolkowski NY 4/6)
 11965 BRAZIL R Record (t) in PT 2250, live sports w/excited announcer, weak w/splatter (Flynn OR 3/5)
 13365ssb ARGENTINA R Rivadavia(p) in SP 0030-0105, sports pgm recap, SSB xmsn (Renfrew NY 3/30)
 13670 TURKEY V of Turkey(p) in TK? 1408-1459*, lively TK vcls, TK DJ (Ziolkowski NY 4/1)
 15120 NIGERIA V of Nigeria(p) *1547-1730+, test tone, into continuous Afro pops, g (Alexander 3/15)
 15210 LIBYA Tripoli(?) Arabic pgm relay?, nonstop AR mx, testing?, ment Tripoli (Flynn OR 3/20)

Denis Pasquale reports that he took his little DX-350 portable along when he went on a Caribbean cruise in mid-March and picked up dozens of stations in SP and PT but had trouble identifying them due to imprecise readouts on the analog receiver. All India Radio came in stronger than at his home QTH. The same for the Voice of Indonesia. The latter was good at sea but not audible in Venezuela. His advice is to be sure to bring along your receiver when travelling "on the high seas"

NOTICE: I am looking for anyone who has used or might have information on the Galaxy 300 or 350 ham transceiver. Gabriel Ivan Garrera, Casilla 2868, 1000 Buenos Aires, Argentina. E-mail <Barrera@arg.sicoar.com>.

WANTED: Rabun Labs ILDP Model 100 Antenna Projection System. Tom Hooker, 820 Cragmoor Road, York Haven, PA 17370. Phone (717) 232-8771 days, (717) 266-1025 evenings.

FOR SALE: Comodore 64 Microlog SWL, \$20.00. Frank Aden, Jr., 4096 Marcia Place, Boise, ID 83704.

WANTED: Popular Communications magazine for August 1983. Also, Communications Guide, Third Edition, 1993. Will pay a handsome reward for good copies of these magazines. William Via, 1870 Marshall Road, Baltimore, MD 21222-3139.

FOR SALE: Japan Radio Company JST-245 160-6m transceiver with all five optional filters, latest EPROM. Price \$2500.00 or best offer. Tom Sundstrom, P.O. Box 2275, Vincentown, NJ 08088-2275. Phone (609) 859-2447 evenings or e-mail <trs@trsc.com>.

English Schedules

Mark J. Fine

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WWW: http://www.crosslink.net/~mrfine/

Time	Days	Station	Frequencies						
0000-0015		V. of Cambodia	11940 as						
0000-0027		Radio Prague Int'l	5930 na	7345 na					
0000-0030		Radio Australia	13605 va	15415 va	15510 va	17715	17750 va		
0000-0030		Radio Cairo	9900 am						
0000-0030		Alma Ata Radio, Khazak.	5915 as	7255 as					
0000-0030		Radio Netherlands	6020 na	6165 na	9845 na				
0000-0030		Radio Thailand	9655 as	9680 af	9690	11905 as			
0000-0030		BBC Asian Service	3915 as	5965 as	6195 as	7110	9410 as	9580 as	
			11945 as	11955	15280 as	15310 as	15360 as		
0000-0030		VOA	7215 as	9770 as	11760 as	15185	15290 as	17735 as	
			17820 as						
0000-0030	twhtla	VOA	5995 am	6130 am	7405 am	9455	9775 am	11695 am	
			13740 am						
0000-0030	mtwhfa	Radio Yugoslavia	7115 eu						
0000-0045		All India Radio, Delhi	9705 as	9950 as	11620 as				
0000-0050		Radio Pyongyang	11335 am	13760 am	15130 am				
0000-0830		ABC Alice Springs	4835 do						
0000-0830		ABC Katherine	5025 do						
0000-0830		ABC Tennant Creek	4910 do						
0000-0600		CBC Northern Service	9625 do						
0000-0100		China Radio Int'l	9710 na	11695 na					
0000-0100		R. for Peace Int'l	6205 uf	7385 va					
0000-0100		Croatian Radio, Zagreb	5895 va						
0000-0100		HCJB Quilo Ecuador	9745 na	21455 uf					
0000-0100		Ghana Broadcasting Corp.	3366 do	4915 do					
0000-0100		Radio Japan	6155 eu	6180 eu	13630 as	13650			
0000-0100		Voice of Hope, Lebanon	9960 me						
0000-0100		Radio Liberia Int'l	5100 do						
0000-0100		RTM Radio 4, Malaysia	7295 do						
0000-0100		KHBI Saipan, Marianas	15665 as	15725 as					
0000-0100		Radio Educacion, Mexico	6185 do						
0000-0100		NBC Windhoek, Namibia	3270 af	3290 af					
0000-0100		Radio New Zealand Int'l	15115 va						
0000-0100	mtwhf	ZLXA New Zealand	3935 do						
0000-0100	a	ZLXA New Zealand	5960 do						
0000-0100		Nat'l BC, Papua NG	9520 do	9675 do	11880				
0000-0100		Voice of Russia	7105 na	7125 na	7250 na				
0000-0100		SBC Radio 1, Singapore	6155 do						
0000-0100	s a	SIBC Solomon Islands	5020 do						
0000-0100	a	SIBC Solomon Islands	9545 do						
0000-0100		Radio Exterior de Espana	6055 na						
0000-0100		Radio Ukraine Int'l	5905 eu	6010 eu	6020 eu	7150	7240 eu	9550 na	
			9905 eu	12040					
0000-0100		BBC World Service	5970	5975 am	6175 na	9590 am	9915	11750 sa	
0000-0100		KAIJ Dallas TX	5810 na	13815 na					
0000-0100		KTBN Salt Lake City UT	15590 na						
0000-1500		KVOH Los Angeles CA	9975 am						
0000-0400		KWHR Naalehu HI	17510 as						
0000-0300		WEWN Birmingham AL	5825 eu	6890 na	15375 am				
0000-0600		WGTV McCaysville GA	5085 na						
0000-1000		WHRI Noblesville IN	5745 va	7315 am					
0000-0600		WINB Red Lion PA	11950 na						
0000-0300		WRNO New Orleans LA	7355 na						
0000-0100		WSHB Cypress Creek SC	7535 am	9430 am					
0000-0300		WVHA Greenbush ME	5850 va						
0000-0100		WWCR Nashville TN	3215 na	5070 na	7435 na	13845			
0000-0400		WYFR Okeechobee FL	6085 na	9505 na					
0000-2400		CFCX Montreal PQ	6005 do						
0000-2400		CFRX Toronto ON	6070 do						
0000-2400		CFVP Calgary AB	6030 do						
0000-2400		CHNX Halifax NS	6130 do						
0000-2400		CKFX Vancouver BC	6080 do						
0000-2400		CKZN Saint John's NL	6160 do						
0000-2400		CKZU Vancouver BC	6160 do						
0000-2400		Radio Voice of Lebanon	6550 me						
0000-2400		Voice of Hope, Lebanon	6280 me						
0000-2400		WJCR Upton KY	7490 na	13595 na					

SCHEDULES BY MARK FINE

Time	Days	Station	Frequency						
0000-2400		WRMI Miami FL	9955 ca						
0010-0015		Kirghiz Radio, Bishkek	4010 as						
0030-0045		BBC English Teaching	6080 as	7110 as	9580 as	9600	15280 as		
0030-0100		Radio Australia	9660 va	12080 va	13605 va	13755	15365 va	15415 va	
			15510 va	17715	17750 va	17795 va	17860 va	17880	
0030-0100		ORF Vienna	9655 na						
0030-0100		VOIRI Teheran	6050 na	9022 na	9685 na				
0030-0100		Radio Vilnius, Lithuania	5910 na						
0030-0125		Radio Netherlands	5905 as	6020 na	6165 na	7305	9845 na	9855 as	
0030-0100		Sri Lanka B'casting Corp.	9730 as	15425 as					
0030-0100		Radio Thailand	9655 as	11905 as	15370				
0030-0100		BBC Asian Service	5965 as	6195 as	9410 as	11955	15310 as	15360 as	
0030-0100		VOA	7215	9770 as	11760 as	15185 as	15290	17735 as	
			17820 as						
0030-0100	twhtla	VOA	5995 am	6130 am	7405 am	9455	9775 am	11695 am	
			13740 am						
0040-0100		R. Nacional, Venezuela	5020 am	9540 am	11695 am	11850			
0045-0100		BBC English Teaching	9580 as	15280 as					
0050-0100		RAI, Rome	6010 na	9675 na	11800 na				
0100-0110		RAI, Rome	6010 na	9675 na	11800 na				
0100-0127		Radio Prague Int'l	6200 na	7345 na					
0100-0127		Voice of Vietnam	7250 na						
0100-0130		Radio Budapest	6075 na	6190 na	9580 na				
0100-0130		VOIRI Teheran	6050 na	9022 na	9685 na				
0100-0130		Nat'l Radio of Laos	7116 as						
0100-0130		Radio Slovakia Int'l	5930 na	7300 na	9440 sa				
0100-0130		Swiss Radio Int'l	6135 am	9885 am	9905 am				
0100-0130		Radio Tashkent	7190 as	9530 as	9715 as				
0100-0150		Deutsche Welle	6040 na	6085 na	6145	9640 am	11810 am		
0100-0200		Radio Australia	9660 va	12080 va	13605 va	13755	15365 va	15415 va	
			15510 va	17715	17750 va	17795 va	17860 va	17880	
0100-0200		Radio Canada Int'l	9535 am	9755 am	11715 am	13670			
0100-0200		R. for Peace Int'l	6205 uf	7385 va					
0100-0200		Croatian Radio, Zagreb	5895 va						
0100-0200		Radio Havana Cuba	6000 am	9820 am	9830 uf				
0100-0200		HCJB Quito Ecuador	9745 na	21455 uf					
0100-0200		Voice of Indonesia	9525 na						
0100-0200	h	West Coast Radio, Ireland	5910 na						
0100-0200		Radio Japan	5960 na	11790 na	11860 as	11890	13630 na	15500 as	
			15590 as	17810	21610 pa				
0100-0200		Voice of Hope, Lebanon	9960 me						
0100-0200		Radio Liberia Int'l	5100 do						
0100-0200		RTM Radio 4, Malaysia	7295 do						
0100-0200		Radio Educacion, Mexico	6185 do						
0100-0200		NBC Windhoek, Namibia	3270 af	3290 af					
0100-0200		Radio New Zealand Int'l	15115 va						
0100-0200	mtwhfr	ZLXA New Zealand	3935 do						
0100-0200	a	ZLXA New Zealand	5960 do						
0100-0200		Nat'l BC, Papua NG	9520 do	9675 do	11880				
0100-0200		FEBC Manila	15450 as						
0100-0200		Voice of Russia	7105 na	7125 na	7310 na	7370	9820 na	9830 na	
			11660 na	12000	12010 na	12050 na	13605 na	13665	
			15180 na	15455 na	15595 na				
0100-0200		SBC Radio 1, Singapore	6155 do						
0100-0200	s a	SIBC Solomon Islands	5020 do						
0100-0200	a	SIBC Solomon Islands	9545 do						
0100-0200		Radio Exterior de Espana	6055 na						
0100-0200		Sri Lanka B'casting Corp.	9730 as	15425 as					
0100-0200		BBC Asian Service	5965 as	6195 as	9410 as	9605	11955 as	15280 as	
			15310 as						
0100-0200		BBC World Service	5970	5975 am	6175 na	9590 am	9915	11750 sa	
0100-1400		KAU Dallas TX	5810 na	9815 na					
0100-1500		KTBN Salt Lake City UT	7510 na						
0100-0200		VOA	7115 as	7205	9635 as	11705 as	11725 as	15170	
			15250 as	17740 as	17820 as				
0100-0200	twhtla	VOA	5995 am	6130 am	7405 am	9455	9775 am	13740 am	
0100-0200		WSHB Cypress Creek SC	7535 na	9430 sa					
0100-1000		WOCR Nashville TN	2390 na	3215 na	5070 na	5935			
0125-0225		Radio Netherlands	5905 as	7305 as	9855 as				
0130-0140		Voice of Greece	6260 na	7450 na	9420 na	9935			
0130-0200		KSDA Guam	17645 as						
0130-0200		Radio Sweden	7290 am	9435 as					
0145-0200		Radio Tirana, Albania	6115 na	7160 na					
0145-0200		Vatican Radio	5980 au	7335 au					
0200-0215	mtwhfr	Turkmen Radio, Asgabat	4825	5015					

SCHEDULES BY MARK FINE

Time	Days	Station	Frequencies						
0200-0230	mtwhf	Kenya BC Corp	4934 do						
0200-0230		Radio Myanmar	7185 do						
0200-0230	m	Radio Norway	7465 am	9560 na					
0200-0230		BBC Asian Service	9605 as	11955 as	15280	15310 as	15360 as		
0200-0230		BBC World Service	5970 sa	5975	6175 na	6195 eu	9410 eu	9590	
			9915 sa						
0200-0250		Deutsche Welle	7285 as	9615 as	9690	11945 as	11965 as	12045 as	
0200-0256		Radio Romania Int'l	5990 na	6155 na	9510 na	9570	11940 na		
0200-0300	twhta	RAE Buenos Aires	11710 am						
0200-0300		Radio Australia	9660 va	12080 va	13605 va	13755	15240 va	15365 va	
			15415 va	15510	17715 va	17750 va	17795 va	17880	
0200-0300		Radio Canada Int'l	9755 na	13670 na					
0200-0300	sm	Radio Canada Int'l	6120 am	9535 am	11715 am				
0200-0300		R. for Peace Int'l	6205 uf	7385 va					
0200-0300		Croatian Radio, Zagreb	5895 va						
0200-0300		Radio Havana Cuba	6000 am	9820 am	9830 uf				
0200-0300		HCJB Quito Ecuador	9745 na	21455 uf					
0200-0300		Radio Cairo	9475 am						
0200-0300		Voice of Hope, Lebanon	9960 me						
0200-0300		Radio Liberia Int'l	5100 do						
0200-0300		RTM Radio 4, Malaysia	7295 do						
0200-0300	s	V. of the Mediterranean	15550 va	17570 va					
0200-0300		Radio Educacion, Mexico	6185 do						
0200-0300		NBC Windhoek, Namibia	3270 af	3290 af					
0200-0300		Radio New Zealand Int'l	15115 va						
0200-0300	mtwhf	ZLXA New Zealand	3935 do						
0200-0300	a	ZLXA New Zealand	5960 do						
0200-0300		Nat'l BC, Papua NG	9520 do	9675 do	11880				
0200-0300		FEBC Manila	15450 as						
0200-0300		Voice of Russia	7105 na	7125 na	7310	7370 na	9820 na	9830 na	
			11660	12000 na	12010 na	12050 na	13605	13645 na	
			13665 na	15180 na	15455	15595 na			
0200-0300	s a	SBC Radio 1, Singapore	6155 do						
0200-0300	a	SIBC Solomon Islands	5020 do						
0200-0300		SIBC Solomon Islands	9545 do						
0200-0300		Investment Channel, S.Air	6160 af	7190 af	9525 af	11820			
0200-0300		Radio Korea	7275 do	11725 na	11810 na	15575			
0200-0300		Sri Lanka B'casting Corp.	9730 as	15425 as					
0200-0300		V. of Free China, Taiwan	5950 am	7130 as	9680 am	11740	11825 pa	15345 as	
0200-0300		BBC African Service	6135 af						
0200-0300		VOA	7115 as	7205	9635 as	11705 as	11725 as	15170	
			15250 as	17740 as	17820 as				
0200-0400		WSHB Cypress Creek SC	5850 na	7535 na					
0205-0238		Voz Mosquilia, Honduras	4910 do						
0215-0220		Radio Nepal, Katmandu	5005 as	7165					
0215-0245		Radio Pakistan	7290 va	15120 va	15485 va	17705	17725 va		
0230-0245		BBC English Teaching	9825 as	11760 as	15405 as				
0230-0255	mtwhf	Radio Moldova Int'l	7520 na						
0230-0257		Voice of Vietnam	7250 na						
0230-0300		Radio Tirana, Albania	6140 na	7160 na					
0230-0300		ORF Vienna	9655 na	9870 ca	13730 sa				
0230-0300		Radio Budapest	6190 na	9840 na	11910 na				
0230-0620		Kenya BC Corp	4934 do						
0230-0325		Radio Netherlands	9855 as	11655 as					
0230-0300		Radio Pilipinas, Manila	11885 pa	15120 pa	15270 pa				
0230-0300		Radio Sweden	7135 na						
0230-0300		BBC Asian Service	9605 as	11955 as	15280 as	15310	15360 as		
0230-0300		BBC World Service	5970 sa	5975	6175 na	6195 eu	7325 sa	9410	
			9895 am						
0245-0300		BBC English Teaching	5995 am	6050 af	6110 am	9515	9610 af	9915 ca	
			11730 af						
0250-0300		Vatican Radio	6095 am	7305 ca					
0300-0310		Malawi B'casting Corp.	3381 do						
0300-0310		Vatican Radio	6095 am	7305 ca					
0300-0327		Radio Prague Int'l	5930 na	7345 na					
0300-0330		Radio Cairo	9475 am						
0300-0330	s	V. of the Mediterranean	15550 va	17570 va					
0300-0330	mtwhfa	Radio Mexico Int'l	9705 na						
0300-0330		Channel Africa, S. Africa	5955 af						
0300-0330		Radio Thailand	9655 as	11890 na	11905	15370 as			
0300-0330		BBC African Service	3255 af	6005 af	6135	6190 af	9600 af		
0300-0330		BBC Asian Service	9605 as	15310 as	15360 as	17790	21660 as		
0300-0330		BBC English Teaching	11850 as	11955 as	15280 as	15340			
0300-0330		BBC World Service	5970 sa	5975	6175 na	6180 eu	6195 eu	7325	
			9410 eu	9895 am	11760 na	12095			

SCHEDULES BY MARK FINE

Time	Days	Station	Frequencies						
0300-0330		VOA	6080 af 9575 af	6115 af 9885	7105 af	7280	7290 af	7340 af	
0300-0330	smtwh	VOA	4960 af						
0300-0350		Deutsche Welle	6085 na	6185 na	9535 am	9615	9640 na		
0300-1000		Carr. Beacon, Anguilla	6090						
0300-0400		Radio Australia	9660 va 15415 va	12080 va 15510	13605 va 17715 va	13755 17750 va	15240 va 17795 va	15365 va 17880	
0300-0400		China Radio Int'l	9690 na	9710 na					
0300-0400		R. for Peace Int'l	6205 uf	7385 va					
0300-0400		TIFC Costa Rica	5055 ca	6175 ca	9645				
0300-0400		Croatian Radio, Zagreb	5895 va						
0300-0400		Radio Havana Cuba	6000 am	9820 am	9830 uf				
0300-0400		HGJB Quito Ecuador	9745 na	21455 uf					
0300-0400		Radio Cultural, Guatemala	3300 do	5955 do					
0300-0400	sm	HRPC Honduras	3250 ca						
0300-0400	m	La Voz Evangelica, Hond.	4820 do						
0300-0400		Radio Japan	17685 pa						
0300-0400		Voice of Hope, Lebanon	9960 me						
0300-0400		RTM Radio 4, Malaysia	7295 do						
0300-0400		Radio Educacion, Mexico	6185 do						
0300-0400		NBC Windhoek, Namibia	3270 af	3290 af					
0300-0400		Radio New Zealand Int'l	15115 va						
0300-0400	mtwhf	ZLXA New Zealand	3935 do						
0300-0400	a	ZLXA New Zealand	5960 do						
0300-0400		Nat'l BC, Papua NG	9520 do	9675 do	11880				
0300-0400		Voice of Russia	7125 na 15180 na	12000 na 15595	12010 na	12050	13645 na	13665 na	
0300-0400		BSKSA Saudi Arabia	9555 me	9580 me	9620 me	9720	11820 me	17895 me	
0300-0400		SBC Radio 1, Singapore	6155 do						
0300-0400	s a	SIBC Solomon Islands	5020 do						
0300-0400	a	SIBC Solomon Islands	9545 do						
0300-0400		Investment Channel, S.Afr	6160 af	7190 af	9525 af	11820			
0300-0400		Sri Lanka B'casting Corp.	9730 as	15425 as					
0300-0400		V. of Free China, Taiwan	5950 am	7130 as	9680 am	11825	15345 as		
0300-0400		Voice of Turkey	7270 as	7300 va	15190 as				
0300-0400		Radio Uganda	4976 do						
0300-0400		Radio Ukraine Int'l	7150 eu	9550 na	12040 na				
0300-0800		WEWN Birmingham AL	5825 eu	6890 na	9370 am				
0300-0800		WMLK Bethel PA	9465 na						
0300-0600		WRNO New Orleans LA	7395 na						
0300-0900		WVHA Greenbush ME	9455 va						
0300-0400		Radio 3, Zimbabwe	3396 do						
0310-0315		Valican Radio	6095 am	7305 ca	7360 af				
0315-0340		Valican Radio	7360 af						
0330-0355	mtwhf	Radio Moldova Int'l	7520 na						
0330-0357		Radio Prague Int'l	9480 me	11600 as					
0330-0400	lwhta	Radio Portugal	6150 na	9570 na					
0330-0400		AWR Europe, Slovakia	11610 as						
0330-0400		Radio Sweden	9430 na						
0330-0430		Radio Tanzania	5050 af						
0330-0400		Radio Dubai, UAE	11945 na	13675 na	15400 na	17890			
0330-0400		BBC African Service	3255 af	6005 af	6190	9600 af	9610 af	11730 af	
0330-0400		BBC Asian Service	9605 as	11955 as	15280 as	15310	17790 as	21660 as	
0330-0400	mtwhfa	BBC European Service	6180 eu	6195 eu	9410				
0330-0400		BBC World Service	5875	5975 am	6175 na	9895 am	11760	12095 af	
0330-0400	s	BBC World Service	6180 eu	6195 eu	9410				
0330-0400		VOA	6080	6115 af	7105 af	7280 af	7290	9575 af	
0333-0400	mtw	TWR Meyerlon	9885 af 7215 af						
0340-0350		Voice of Greece	6260 na	7450 na	9420 na	9935			
0340-0400		R. Nacional, Venezuela	5020 am	9540 am	11695 am	11850			
0345-0400		Radio Burundi	6140 do						
0345-0400		Radio Dushanbe	4975 as	9905					
0400-0404	mtw	TWR Meyerlon	7215 af						
0400-0415	mtwhf	Cameroon Radio-TV	4850 na						
0400-0415		Kol Israel	7465 va	9435 va	17545 as				
0400-0415		VOA	6080 af 9885 af	7170 11965 me	7265 af 15205 va	7280 af	7290 af	9575	
0400-0425		Voice of Vietnam	5940 na	7270 na	7400 na	9840	15010 na		
0400-0430		Radio Australia	9660 va 15415 va	11880 va 17750	12080 va 17795 va	13605 17880 uf	15240 va	15365 va	
0400-0430	s a	Radio Australia	15510 va	17715 va					
0400-0430		Radio Canada Int'l	9715 me	11835 me	15275 me				
0400-0430		Radio Cultural, Guatemala	3300 do	5955 do					
0400-0430	mtwhf	Radio Mexico Int'l	9705 na						

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Time	Days	Station	Frequencies						
0400-0430	m	Radio Norway	7485 na						
0400-0430		AWR Europe, Slovakia	9465 af						
0400-0430		Channel Africa, S. Africa	5955 af						
0400-0430		Sri Lanka B'casting Corp.	9730 as	15425 as					
0400-0430		Swiss Radio Int'l	6135 na	9885 na	9905 na				
0400-0430		BBC African Service	3255 af	6005 af	6190	7160 af	9600 af	9610 af	
			11730						
0400-0430		BBC Asian Service	9605 as	11955 as	15280 as	15310	17790 as	21660 as	
0400-0430		BBC World Service	3955	5975 am	6175 na	6180 eu	6195	9410 eu	
			9895 am	11760 me	12095	15575 as	17640 af		
0400-0450		Deutsche Welle	5990 af	6015 af	7225 af	9565	11765 af		
0400-0450		Radio Pyongyang	15180 as	15230 as	17765 as				
0400-0456		Radio Romania Int'l	5990 na	6155 na	9510 na	9570	11940 na		
0400-0500		Radio Bulgaria	9485 na	11720 na					
0400-0500		China Radio Int'l	9730 na						
0400-0500		Radio Nat'l Congotaise	5985 do						
0400-0500		R. for Peace Int'l	6205 ul	7385 va					
0400-0500		Croatian Radio, Zagreb	5895 va						
0400-0500		Radio Havana Cuba	6000 am	9820 am	9830 ul				
0400-0500		HCJB Quito Ecuador	9745 na	21455 ul					
0400-0500	m	La Voz Evangelica, Hond.	4820 do						
0400-0500		Voice of Hope, Lebanon	9960 me						
0400-0500		RTM Radio 4, Malaysia	7295 do						
0400-0500		V. of the Mediterranean	7300 na						
0400-0500		Radio Educacion, Mexico	6185 do						
0400-0500		Radio New Zealand Int'l	15115 va						
0400-0500	mtwhf	ZLXA New Zealand	3935 do						
0400-0500	a	ZLXA New Zealand	5960 do						
0400-0500		Nat'l BC, Papua NG	9520 do	9675 do	11880				
0400-0500		Voice of Russia	7125 na	12000 na	12010 na	12050	13645 na	13665 na	
0400-0500		BSKSA Saudi Arabia	9555 me	9580 me	9620 me	9720	11820 me	15060 me	
0400-0500		SBC Radio 1, Singapore	6155 do						
0400-0500	s a	SIBC Solomon Islands	5020 do						
0400-0500	a	SIBC Solomon Islands	9545 do						
0400-0500		Investment Channel, S.Afr	3230 af	5955 af	6120 af	6160	7190 af	9525 af	
0400-0500		Radio Uganda	4976 do						
0400-0800		KWHR Naalehu HI	17780 as						
0400-0800		WSHB Cypress Creek SC	7535 eu	9840 af					
0400-0500		WYFR Okeechobee FL	6065 na	9505 na	9985 eu				
0400-0500		Christian Voice, Zambia	3330 do	4965 af					
0400-0500		Radio 3, Zimbabwe	3396 do						
0415-0430		VOA	6080 af	7170 va	7265 af	7280	7290 af	9575 af	
0415-0440		RAI, Rome	5975 eu	7270 eu					
0430-0445		BBC English Teaching	6050 eu	7210 eu	9915 eu				
0430-0500		Australian Armed Forces	13525 ul						
0430-0500		Radio Australia	9660 va	11880 va	12080 va	13605	15240 va	15365 va	
0430-0500	s a	Radio Australia	17715 va						
0430-0500		ORF Vienna	6155 eu	13730 eu					
0430-0525		Radio Netherlands	6165 na	9590 na					
0430-0500		Radio Nigeria	3326 do	3970 do	4770 do	4990	6025 do	6050 do	
0430-0500		TWR Swaziland	3200 af	4775 af					
0430-0500		Swiss Radio Int'l	9905 na						
0430-0500		BBC African Service	3255 af	6005 af	6190	7160 af	9600 af	15420 af	
0430-0500		BBC Asian Service	11955 as	15280 as	15310 as	17790	21660 as		
0430-0500	mtwhf	BBC European Service	3955 eu	6180	6195 eu	9410 eu	12095 eu		
0430-0500		BBC World Service	5975 am	6175 am	7120	11760 me	15575 as	17640 af	
0430-0500	s a	BBC World Service	3955 eu	6180	6195 eu	9410 eu	12095 eu		
0430-0500		VOA	6080	7170 va	7265 af	7280 af	7290	9575 af	
0430-0500		Radio Yugoslavia	7130 na						
0445-0915		Ghana Broadcasting Corp.	3366 do	4915 do					
0445-0500		Voice of Nigeria	7255 af						
0445-0500		Sri Lanka B'casting Corp.	9720 am	15425 am					
0500-0510	w	Malawi B'casting Corp.	3381 do						
0500-0515	s	Cameroon Radio-TV	4850 na						
0500-0515		Sri Lanka B'casting Corp.	9720 am	15425 am					
0500-0520		Vatican Radio	4005 eu	5882	7250 eu	7360 af	9660 af	11625	
0500-0530	s a	Italian Radio Relay Svc	7125 ul						
0500-0530	mtwhf	Italian Radio Relay Svc	3985 ul						
0500-0530		Radio Japan	6110 na	7230 eu	11840 as	11895	11920 pa	13630 ca	
0500-0530		Channel Africa, S. Africa	9675 af						
0500-0530		Investment Channel, S.Afr	3230 af	5955 af	6120 af	6160	7190 af	9525 af	
			9675 af	11820					
0500-0530		BBC Asian Service	9740 as	11955 pa	15280 as	15310	15360 as	17760 as	
			17790 as	21660					
0500-0530		BBC World Service	3955 eu	5975	6175 am	6180 eu	6195 eu	7120	

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Time	Days	Station	Frequencies						
			9410 eu	11760 me	12095 eu	15575	17640 af		
0500-0530		Radio 3, Zimbabwe	3396 do						
0500-0550		Deutsche Welle	5960 na	6045 na	6185 na	9615			
0500-0600		Australian Armed Forces	13525 uf						
0500-0600		Radio Australia	9660 va	11880 va	12080 va	13605	15240 va	15365 va	
			15415 va	17715	17795 va	17880 uf			
0500-0600		China Radio Int'l	9560 na						
0500-0600		Radio Nat'l Congolaise	5985 do						
0500-0600		AWR Costa Rica	5030 an	6150 sa	7375 sa	9725			
0500-0600		R. for Peace Int'l	6205 uf	7385 va					
0500-0600		Croatian Radio, Zagreb	5895 va						
0500-0600		Radio Havana Cuba	6000 an	9830 uf					
0500-0600		HCJB Quito Ecuador	9745 na	21455 uf					
0500-0700		Africa Numero Un, Gabon	9580 af						
0500-0600		Voice of Hope, Lebanon	9960 me						
0500-0600		Radio Liberia Int'l	6100 do						
0500-0600		RTM Radio 4, Malaysia	7295 do						
0500-0600		Radio Educacion, Mexico	6185 do						
0500-0600	mtwhl	NBC Windhoek, Namibia	3270 af						
0500-0600		Radio New Zealand Int'l	9795 va						
0500-0600	mtwhl	ZLXA New Zealand	3935 do						
0500-0600	a	ZLXA New Zealand	5960 do						
0500-0600		Radio Nigeria	3326 do	3970 do	4770 do	4990	6025 do	6050 do	
			9570 do						
0500-0600		Voice of Nigeria	7255 af						
0500-0600		Nat'l BC, Papua NG	9520 do	9675 do	11880				
0500-0600		Voice of Russia	12000 na	12010 na	12040 na	12050	13645 na	13665 na	
			15595 na						
0500-0600		BSKSA Saudi Arabia	9555 me	9580 me	9620 ne	9720	11820 me	15060 me	
			17760 me	17895					
0500-0600		SBC Radio 1, Singapore	6155 do						
0500-0600		SIBC Solomon Islands	5020 do	9545 do					
0500-0600		Radio Exterior de Espana	6055 na						
0500-0600		TWR Swaziland	3200 af	4775 af	9500 af				
0500-0600		Radio Uganda	4976 do						
0500-0600		BBC African Service	3255 af	6005 af	6190	7160 af	9600 af	15420 af	
			17885						
0500-0600		VOA	5970	6035 af	6080 af	7170 va	7195	9630 af	
			11965 me	12080 af	15205				
0500-0600		WYFR Okeechobee FL	5985 na	9985 eu	11580 eu				
0500-0600		Christian Voice, Zambia	3330 do	4965 af					
0510-0515		Radio Botswana	3356 do	4820 do	7255 do				
0515-0525		Radio Rwanda	6055 do						
0520-0530		Vatican Radio	7360 af	9660 af	11625 af				
0530-0545	s a	BBC English Teaching	9740 eu	11770 eu					
0530-0556		Radio Romania Int'l	11790 as	15250 af	15270 as	15340	17720 af	17790 af	
0530-0600		ORF Vienna	6015 na						
0530-0600		Italian Radio Relay Svc	3985 uf						
0530-0600		Radio Japan	6110 na	7230 eu	11840 as	11920			
0530-0600		Alma Ata Radio, Khazak	5940 as	5985 as	6000 as	6060	6075 as	6125 as	
			6130 as	7115	7235 as	7240 as	7280 as	7320	
			9505 as	9550 as	9560 as	9690	9705 as		
0530-0600		Investment Channel, S.Afr	3230 af	5955 af	6120 af	9525	9675 af	11820 af	
			15225 af	17770					
0530-0600		Radio Thailand	9655 as	11905 as	15115 eu				
0530-0600		Radio Dubai, UAE	15435 as	17830 as	21700 as				
0530-0600		BBC Asian Service	9740 as	11955 pa	15310 as	15360	17760 as	21660 as	
0530-0600	mtwhl	BBC European Service	3955 eu	6195 eu					
0530-0600		BBC World Service	5975 an	6175 an	6180	9410 eu	11760 me	12095 eu	
			15575	17640 af					
0530-0600	mtwhl	BBC World Service	7120 eu						
0530-0600	s a	BBC World Service	3955 eu	6195 eu					
0530-0600		Radio 3, Zimbabwe	5975 do						
0545-0600		BBC English Teaching	5875 eu	7125 af	7260 eu	9710			
0555-0600		Voice of Malaysia	6175 as	9750 as	15295 as				
0600-0610	s	Malawi B'casting Corp.	3381 do						
0600-0610	mtwhl	Vatican Radio	4005 eu	5882	7250 eu	9645 af	15215 af	15595	
0600-0615		BBC English Teaching	6155 af						
0600-0630		Australian Armed Forces	13525 uf						
0600-0630		Radio Australia	9660 va	11880 va	12080 va	13605	15240 va	15365 va	
			15415 va	15530	17715 va	17750 va	17795 va	17880	
0600-0630		Nat'l Radio of Laos	7116 as						
0600-0630	s	Radio Norway	7180 va	7295 au	9590 va	13805			
0600-0630		AWR Europe, Slovakia	11640 af						
0600-0630		Channel Africa, S. Africa	11900 af						

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Time	Days	Station	Frequencies						
0600-0630		Swiss Radio Int'l	9885 af	11860 af	13635 af				
0600-0630		BBC Asian Service	7145 pa	9740 as	11955 pa	15310	15360 as	17760 as	
			17785 as	21660					
0600-0630	s	BBC Asian Service	11780 as						
0600-0630	s a	BBC Asian Service	15565 as						
0600-0630		BBC World Service	5975 am	6175	6180 eu	6195 eu	7325 eu	9410	
			11760 me	12095 eu	15575 eu	17640			
0600-0630	mtwhf	BBC World Service	15565 va						
0600-0630	mtwhfa	BBC World Service	11780 af						
0600-0630		VOA	5970 af	5995 af	6035	6080 af	7170 va	7195 af	
			9630	11805 af	11950 af	11965 me	12080	15205 va	
			11915 af	13790 af	15185 af	17820	17860 af	21680 me	
0600-0650		Deutsche Welle	15180 as	15320 as					
0600-0650		Radio Pyongyang	11730 af						
0600-0657		TWR Meyerton	5985 do						
0600-0700		Radio Nat'l Congolaise	6205 ul	7385 va					
0600-0700		R. for Peace Int'l	5895 eu	7165	9830 eu	13830 au			
0600-0700		Croatian Radio, Zagreb	6000 am	9830 ul					
0600-0700		Radio Havana Cuba	9745 na	21455 ul					
0600-0700		HCJB Quilo Ecuador	3985 ul						
0600-0700		Italian Radio Relay Svc	5975 eu	7230 eu	9835 na	11740	11840 as	11910 as	
0600-0700		Radio Japan	11920 pa	12030	15230 pa	15550 as	17810 as		
0600-0700		Radio Kiribati	9810 do						
0600-0700		Voice of Hope, Lebanon	9960 me						
0600-0700		Radio Liberia Int'l	6100 do						
0600-0700		RTM Radio 4, Malaysia	7295 do						
0600-0700		Voice of Malaysia	6175 as	9750 as	15295 as				
0600-0700		V. of the Mediterranean	13600 na						
0600-0700		Radio Educacion, Mexico	6185 do						
0600-0700	mtwhf	NBC Windhoek, Namibia	3270 af						
0600-0700		Radio New Zealand Int'l	9795 va						
0600-0700	smtwhf	ZLXA New Zealand	3935 do						
0600-0700		Radio Nigeria	3326 do	3970 do	4770 do	4990	6025 do	6050 do	
			9570 do						
			7255 af						
0600-0700		Voice of Nigeria	9520 do	9675 do	11880				
0600-0700		Nat'l BC, Papua NG	12000 na	12010 na	12040	12050 na	13645 na	13665 na	
0600-0700		Voice of Russia	15470	15490 au	15560 au	15580 as	15595	17570 au	
			17580 as	17610 as	17795				
0600-0700		BSKSA Saudi Arabia	9530 me	9580 me	9720 me	11710	11820 me		
0600-0900		SLBS, Sierra Leone	3316 do						
0600-0700		SBC Radio 1, Singapore	6155 do						
0600-0700		SIBC Solomon Islands	5020 do	9545 do					
0600-0700		Investment Channel, S.Afr	3230 af	5955 af	6120 af	9525	9675 af	11820 af	
			15225 af	17770					
0600-0700		TWR Swaziland	4775 af	6100 af	9500 af	9650			
0600-0700		BBC African Service	6005 af	6190 af	7160	9600 af	11835 af	11940 af	
			15420	17885 af					
0600-0700		WYFR Okeechobee FL	5985 na	7355 eu	9985 eu				
0600-0700		Republic of Yemen Radio	9780						
0600-0700		Christian Voice, Zambia	3330 do	4965 af					
0600-0700		Radio 3, Zimbabwe	5975 do						
0615-0630		BBC English Teaching	9635 eu	11680 eu	11845 eu	13745	15325 eu		
0630-0645		BBC English Teaching	5875 eu	9825 eu					
0630-0655		R. Vlaanderen Int'l	6035 eu	9925 eu	9940				
0630-0700		Radio Australia	9580 va	9660 va	9860 va	12080	13605 va	15240 va	
			15365 va	15415	15530 va	17715 va	17750 va	17880	
			6155 eu	13730 eu	15410 me	17870			
0730-0800		ORF Vienna	11805 eu						
0630-0700		Georgian Radio, Tbilisi	7145 pa	9740 as	11955 pa	15310	15360 as	17760 as	
0630-0700		BBC Asian Service	17785 as						
0630-0700		BBC World Service	5975 am	6175	6180 eu	6195 eu	7325 eu	9410	
			11760 me	11780 af	12095 eu	15565	15575 eu	17640 af	
0630-0700		VOA	5995	7170 va	11805 af	11965 me	15205		
0630-0700	s a	VOA	5970 af	6035	6080 af	7195 af	9630 af	11950	
			12080 af						
0630-0700		Vatican Radio	9660 af	11625 af					
0631-0640		Radio Romania Int'l	9550 eu	9665 eu	11810 eu	15365			
0645-0655	s a	TWR Monte Carlo	9755 eu						
0645-0700		Radio Romania Int'l	11740 as	11840 au	15250 au	15270	17720 au		
0655-0700		TWR Monte Carlo	9755 eu						
0700-0710	w	Malawi B'casting Corp.	3381 do						
0700-0715		BBC African Service	6005 af	6190 af	9600	11835 af	11940 af	17830 af	
0700-0715	s a	BBC African Service	17885 af						
0700-0715		BBC World Service	5975 am	6175	6180 eu	6195 eu	7325 eu	9410	

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Time	Days	Station	Frequencies						
			11760 me	11780 af	12095 eu	15485	15565 va	15575 eu	
			17640 eu						
0700-0727		Radio Prague Int'l	7345 eu	9485 sa	9505 eu				
0700-0730		HCJB Quito Ecuador	9645 pa	21455 uf					
0700-0730		Italian Radio Relay Svc	3985 uf						
0700-0730		Radio Myanmar	9730 do						
0700-0730	s	Radio Norway	15245 me						
0700-0730		AWR Europe, Slovakia	9440 eu						
0700-0745		Radio Romania Int'l	11740 as	11840 au	15250 au	15270	17720 au		
0700-0750		Radio Pyongyang	15340 af	17765 me					
0700-0800		Radio Australia	9580 va	9660 va	9860 va	12080	13605 va	15240 va	
			15365 va	15415	15530 va	17715 va	17750 va	17880	
0700-0800		Radio Nat'l Congolaise	4765 do						
0700-0800		Croatian Radio, Zagreb	5920 eu	7165 va	9830	13830 au			
0700-0800		R. for Peace Int'l	6205 uf	7385 va					
0700-1100		Radio Africa, Eq. Guinea	15186 af						
0700-1600		Africa Numero Un, Gabon	9580 af	17630 af					
0700-0800		Radio Japan	7230 eu	11740 as	11840 as	11850	11910 as	11920 pa	
			15230 af	17810	17815 af				
0700-0800		Voice of Hope, Lebanon	9960 me						
0700-0800		Radio Liberia Int'l	6100 do						
0700-0800		RTM Radio 4, Malaysia	7295 do						
0700-0800		Voice of Malaysia	6175 as	9750 as	15295 as				
0700-0800		Radio Educacion, Mexico	6185 do						
0700-0800		TWR Monte Carlo	9755 eu						
0700-0800	mtwhf	NBC Windhoek, Namibia	4930 af						
0700-0800		Radio New Zealand Int'l	9795 va						
0700-0800	smtwhf	ZLXA New Zealand	3935 do						
0700-0800		Radio Nigeria	3326 do	3970 do	4770 do	4990	6025 do	6050 do	
			9570 do						
0700-0800		Voice of Nigeria	7255 af						
0700-0800		KHBN Palau	9965 as	9985 as					
0700-0800		Nat'l BC, Papua NG	4890 do						
0700-0800		Voice of Russia	15470 as	15560 au	15580	17570 au	17580 as	17610 as	
			17795						
0700-0800		BSKSA Saudi Arabia	9530 me	9580 me	9720 me	11710	11820 me		
0700-0800		SBC Radio 1, Singapore	6155 do						
0700-0800		SIBC Solomon Islands	5020 do	9545 do					
0700-0800		Investment Channel, S.Afr	9525 af	11820 af	15225 af	17770			
0700-0800		TWR Swaziland	4775 af	9500 af	9650 af				
0700-0800		V. of Free China, Taiwan	5950 am						
0700-0800		BBC Asian Service	7145 pa	9740 as	11955 pa	15310	15360 as	17760 as	
			17785 as						
0700-0800		WYFR Okeechobee FL	7355 eu	9985 eu	13695 eu				
0700-0800		Christian Voice, Zambia	6065 do	7250 af					
0700-0800		Radio 3, Zimbabwe	5975 do						
0715-0730		BBC African Service	6190 af	9600 af	11835 af	11940	17830 af		
0715-0730	s a	BBC African Service	17885 af						
0715-0730		BBC English Teaching	6005 af	15400 af					
0715-0730		BBC World Service	5975	6175 am	6180 eu	6195 eu	7325	9410 eu	
			11760 me	11780 af	12095	15485 eu	15565 va	15575 eu	
			17640						
0715-0745		Swiss Radio Int'l	6165 eu	9535 eu					
0730-0800		HCJB Quito Ecuador	5865 eu	9645 pa	21455 uf				
0730-0800		KTWR Guam	15200 as						
0730-0800		Italian Radio Relay Svc	7125 uf						
0730-0800	mtwhf	Italian Radio Relay Svc	3985 uf						
0730-0925		Radio Netherlands	9720 pa	9820 pa					
0730-0800		BBC African Service	6190 af	9600 af	11940 af	15400	17830 af		
0730-0800	s a	BBC African Service	17885 af						
0730-0800		BBC World Service	5975 am	6175	7325 eu	9410 eu	11760 me	12095	
			15485 eu	15575 eu	17640 eu				
0730-0800	s a	BBC World Service	15565 as						
0740-0750		Voice of Greece	7430 va	7450 va	9425 va	11645			
0800-0805		Radio Botswana	4820 do	7255 do	9600 do				
0800-0805		TWR Swaziland	4775 af	9500 af	9650 af				
0800-0805	s la	Red Cross Brcsting Svc	9885 af	11860 af	13635 af				
0800-0810	w	Malawi B'casting Corp.	5995 do						
0800-0810		BBC Asian Service	7145 pa	9740 as	11750 as	11955	15310 as	15360 as	
			17760 as	17785	21660 as				
0800-0815		BBC World Service	7325 eu	9410 eu	11760	12095 eu	15485 eu	15575 eu	
			17640						
0800-0815	s a	BBC World Service	15565 as						
0800-0817	mtwhf	Radio New Zealand Int'l	9795 va						
0800-0817	s a	Radio New Zealand Int'l	9700 va						

SCHEDULES BY MARK FINE

Time	Days	Station	Frequencies						
0800-0820		TWR Monte Carlo	9755 eu						
0800-0825		Voice of Malaysia	6175 as	9750 as	15295 as				
0800-0830		Radio Australia	5995 va 12080 va	6020 va 13605	6080 va 15415 va	9580 17715 va	9710 va 17880 uf	9860 va 21725	
0800-0830		Radio Finland	13645 as	15235 as					
0800-0830		KFBS Saipan, Marianas	11650 as						
0800-0830	s	Radio Norway	15170 as						
0800-0845		KTWR Guam	15200 as						
0800-0850		Radio Pyongyang	15180 as	15230 as					
0800-0850		Radio Pakistan	15470 va	17900 va					
0800-0900		Radio Nat'l Congolaise	4765 do						
0800-0900		R for Peace Int'l	6205 uf	7385 va					
0800-0900		Croatian Radio, Zagreb	5920 eu	7165 va	9830	13830 au			
0800-0900		HCJB Quito Ecuador	5865 eu	9645 pa	21455 uf				
0800-0900		Voice of Indonesia	9525 va						
0800-0900		Italian Radio Relay Svc	7125 uf						
0800-0900	mtwhf	Italian Radio Relay Svc	3985 uf						
0800-0900		Voice of Hope, Lebanon	9960 me						
0800-0900		Radio Liberia Int'l	6100 do						
0800-0900		RTM Radio 4, Malaysia	7295 do						
0800-0900		KHBI Saipan, Marianas	15665 eu						
0800-0900		Radio Educacion, Mexico	6185 do						
0800-0900		NBC Windhoek, Namibia	6060 af						
0800-0900	smlwhf	ZLXA New Zealand	3935 do						
0800-0900		Radio Nigeria	3326 do 9570 do	3970 do	4770 do	4990	6025 do	6050 do	
0800-0900		Voice of Nigeria	7255 af						
0800-1600		KHBN Palau	9955 as	9965 as	9985 as				
0800-0900		Nat'l BC, Papua NG	4890 do						
0800-0900		Voice of Russia	9810 au 1795	11800 au	15470	15490 as	15560 au	17610 as	
0800-0900		BSKSA Saudi Arabia	9530 me	9580 me	9720 me	11710	11820 me		
0800-0900	t	FEBA Seychelles	15540 as						
0800-0900		SBC Radio 1, Singapore	6155 do						
0800-0900		SIBC Solomon Islands	5020 do						
0800-0900		Investment Channel, S Afr	15225 af	17875 af					
0800-0900		Radio Korea	9570 au	13670 eu					
0800-0900		BBC African Service	6190 af	11940 af	15400 af	17830			
0800-0900	s a	BBC African Service	17885 af						
0800-0900		KNLS Anchor Point AK	9615 as						
0800-1800		KWHR Naalehu HI	9930 as						
0800-1000		WEWN Birmingham AL	5825 eu	5960 an	7425 na				
0800-0900		WSHB Cypress Creek SC	7535 eu	9840 af	11550 au				
0800-0900		Christian Voice, Zambia	6065 do	7250 af					
0800-0900		Radio 3, Zimbabwe	5975 do						
0810-0900		BBC Asian Service	9740 as 17785 as	11750 as 21660	11955 pa	15310	15360 as	17760 as	
0815-0830		BBC English Teaching	11680 eu	13745 eu	15325 eu	15340	17695 eu		
0815-0845		Swiss Radio Int'l	6165 eu	9535 eu					
0815-0900		BBC World Service	7325 eu 17640 eu	9410	11760 me	12095 eu	15485 eu	15575	
0815-0900	s a	BBC World Service	15565 as						
0817-0900		Radio New Zealand Int'l	9700 va						
0820-0835	s a	TWR Monte Carlo	9755 eu						
0830-0900	s	Voice of Armenia, Yerevan	15270 eu						
0830-2130		ABC Alice Springs	2310 do						
0830-2130		ABC Katherine	2485 do						
0830-2130		ABC Tennant Creek	2325 do						
0830-0900		Radio Australia	5995 va 12080 va	6020 va 13605	6080 va 21725 va	9580	9710 va	9860 va	
0830-0900		Georgian Radio, Tbilisi	11910 eu						
0830-0900		KFBS Saipan, Marianas	11650 as	15380 as					
0830-0900		Radio Slovakia Int'l	11990 au	15460 au	17570 au				
0835-0850	s	TWR Monte Carlo	9755 eu						
0845-0900		KTWR Guam	11835 pa	15200 as					
0900-0910	w	Malawi B'casting Corp.	5995 do						
0900-0915		KTWR Guam	11835 pa	15200 as					
0900-0915		BBC Asian Service	6195 as 11955 as 21660 as	9580 as 15280	9740 as 15310 as	11750 15360 as	11765 pa 17760 as	11945 as 17785	
0900-0915		BBC World Service	7325	9410 eu	11760 me	12095 eu	15190	15485 eu	
0900-0925		R. Vlaanderen Int'l	15565 as	15575 eu	17640	17705 af			
0900-0930		Radio Prague Int'l	6035 eu	7190 eu					
0900-0930		HCJB Quito Ecuador	5865 eu	9645 pa	21455 uf				

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Time	Days	Station	Frequencies						
0900-0930		Italian Radio Relay Svc	7125 uf						
0900-0930	mtwhf	Italian Radio Relay Svc	3985 uf						
0900-0930		Voice of Mongolia	15170 as						
0900-0930		Swiss Radio Int'l		13685 au	17515 au				
0900-0950		Deutsche Welle	6160 pa	9565 af	12055 as	15205	15410 af	17715 as	
			17800 af	21600	21680 as				
0900-1000		Radio Australia	9580 va	9860 va	13605 va	21725			
0900-1000		China Radio Int'l	11755 pa	15440 pa					
0900-1000		Radio Nat'l Congolaise	4765 do						
0900-1000		R for Peace Int'l	6205 uf	7385 va					
0900-1000		Croatian Radio, Zagreb	5920 eu	7165 va	9830				
0900-1000		Voice of Hope, Lebanon	9960 me						
0900-1000		Radio Liberia Int'l	6100 do						
0900-1000		RTM Radio 4, Malaysia	7295 do						
0900-1000		KFBS Saipan, Marianas	9495 as	11650 as	15380 as				
0900-1000		KHBI Saipan, Marianas	13840 au	15665 as					
0900-1000		Radio Educacion, Mexico	6185 do						
0900-1000		NBC Windhoek, Namibia	6060 af						
0900-1000		Radio New Zealand Int'l	9700 va						
0900-1000	mtwhf	ZLXA New Zealand	3935 do						
0900-1000		Radio Nigeria	3326 do	3970 do	4770 do	4990	6025 do	6050 do	
			9570 do						
0900-1000		Voice of Nigeria	7255 af						
0900-1000		Nat'l BC, Papua NG	4890 do						
0900-1000		Voice of Russia	9810 au	11800 au	11880 as	17610	17795 as		
0900-1000		BSKSA Saudi Arabia	9580 me	11820 me	15060 me	17880	21530 mc		
0900-1000		SBC Radio 1, Singapore	6155 do						
0900-1000	s a	AWR Europe, Slovakia	9450 eu						
0900-1000		SIBC Solomon Islands	5020 do						
0900-1000		Investment Channel, S.Afr	15225 af	17875 af					
0900-1030		Radio Tanzania	5050 af						
0900-1000		BBC African Service	6190 af	11940 af	15400 af	17830	17885 af		
0900-1000		WSHB Cypress Creek SC	7395 sa	7535 eu					
0900-1100		WVHA Greenbush ME	13825 va						
0900-1000		Christian Voice, Zambia	6065 do	7250 af					
0900-1000		Radio 3, Zimbabwe	5975 do						
0915-0930		BBC World Service	9410 eu	12095	15190 sa	15485 eu	15565 as	15575	
			17640 eu	17705 af					
0915-0945		BBC Asian Service	11750 as						
0915-0945	s a	BBC Asian Service	6195 as	9580 as	9740 as	11765	11945 as	11955 as	
			15280 as	15360	17760 as	21660 as			
0915-0945	mtwhf	BBC English Teaching	6195 as	9580 as	9740 as	11765	11945 as	11955 as	
			15280 as	15360	17760 as	21660 as			
0915-1000		KTWR Guam	11835 pa						
0930-0945	mtwhf	BBC European Service	9410 eu	12095	15485 eu	15565 as	15575 eu	17640	
			17705 af						
0930-0945		BBC World Service	15190 sa						
0930-0945	s a	BBC World Service	9410	12095 eu	15485 eu	15565 as	15575	17640 eu	
			17705 af						
0930-1000	mtwhfa	ORF Vienna	15455 as	17870 au					
0930-1000		Georgian Radio, Tbilisi	11910 me						
0930-1000		HCJB Quito Ecuador	9645 pa	21455 uf					
0930-1000		Italian Radio Relay Svc	7125 uf						
0930-1030		Radio Netherlands	12065 as	13710 as					
0930-1000		FEBC Manila	11635 as						
0940-0945		RTV Togo	7265 af						
0945-1000		BBC Asian Service	6195 as	9740 as	11750 as	11765	15360 as	21660 as	
0945-1000	a	BBC Asian Service	9580 as	11945 as	11955 as	15280	17760 as		
0945-1000		BBC World Service	9410 eu	12095	15190 sa	15485 eu	15565 as	15575	
			17640 eu	17705 af					
0945-1000	smtwhf	BBC Slow Speed News	9580 as	11945 as	11955 as	15280	17760 as		
1000-1015	mtwhfa	Vatican Radio	5880 eu	9645	11740 eu	15595 eu	17550 eu		
1000-1025		Voice of Vietnam	5940 as	7270 as	7400 as	9840	15010 as		
1000-1030		XSDA Guam	11790 as						
1000-1030	mtwhf	Radio Telefis Eireann	5070 am						
1000-1030		Radio Nigeria	3970 do	4770 do	4990 do	6025	6050 do	7285 do	
			9570 do						
1000-1030		BBC Asian Service	6195 as	9740 as	11750 as	11765	15310 as	15360 as	
			17785 as	21660					
1000-1100		Radio Australia	9580 va	9860 va	13605 va	21725			
1000-1100		China Radio Int'l	11755 pa	15440 pa					
1000-1100		Radio Nat'l Congolaise	4765 do						
1000-1100		R for Peace Int'l	6205 uf	7385 va					
1000-1100		Croatian Radio, Zagreb	5920 eu	7165 va	9830				
1000-1100		HCJB Quito Ecuador	9645 pa	21455 uf					

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Time	Days	Station	Frequencies						
1000-1100		KTWR Guam	9865 as						
1000-1100		All India Radio, Delhi	11585 as	13700 au	15050 as	17387	17840 as		
1000-1100		Italian Radio Relay Svc	7125 uf						
1000-1100		Voice of Hope, Lebanon	9960 me						
1000-1100		Radio Liberia Int'l	6100 do						
1000-1100		RTM Radio 4, Malaysia	7295 do						
1000-1100		KFBS Saipan, Marianas	9495 as	11650 as	15380 as				
1000-1100		KHBI Saipan, Marianas	15665 as	15725 as					
1000-1100		Radio Educacion, Mexico	6185 do						
1000-1100		NBC Windhoek, Namibia	6060 af						
1000-1100		Radio New Zealand Int'l	9700 va						
1000-1100		Voice of Nigeria	7255 af						
1000-1100		Nat'l BC, Papua NG	4890 do						
1000-1100		FEBC Manila	11635 as						
1000-1100		Voice of Russia	7330 as	9810	9835 au	11655 as	11800 au	11880	
			15170 as	15435 as	15490 as	15510	17560 as	17610 as	
			17775 as	17795					
1000-1100		BSKSA Saudi Arabia	9580 me	11820 me	15060 me	17880	21530 me	21670 me	
1000-1100		SBC Radio 1, Singapore	6155 do						
1000-1100		SIBC Solomon Islands	5020 do						
1000-1100		Investment Channel, S.Afr	9675 af	11970 af	15225 af	17875			
1000-1100		BBC African Service	6190 af	11940 af	17885 af				
1000-1100	s a	BBC African Service	15400 af	17830 af					
1000-1100		BBC World Service	5965 na	6195	9410 eu	11760 me	12095 eu	15485	
			15565 as	15575 eu	17640 eu	17705			
1000-1100	s a	BBC World Service	15190 sa						
1000-1100		VOA	5985 pa	6165 am	7405 am	9590	11720 as	15425 as	
1000-1100		WEWN Birmingham AL	5960 am	7425 na	15745 eu				
1000-2200		WGTV McCaysville GA	9400 na						
1000-1300		WHRI Noblesville IN	6040 va	9495 am					
1000-1200		WSHB Cypress Creek SC	6095 am	7395 sa					
1000-1100		WWCR Nashville TN	2390 na	5070 na	5935 na	15685			
1000-1100		WYFR Okeechobee FL	5950 na						
1000-1100		Christian Voice, Zambia	6065 do	7250 af					
1000-1100		Radio 3, Zimbabwe	5975 do						
1015-1030		BBC English Teaching	11805 eu	13745 eu	15325 eu	15340	17695 eu		
1015-1030	mtwh	BBC English Teaching	9750 eu	12040 eu					
1015-1030	mtwhf	BBC English Teaching	5875 eu	9825 eu					
1030-1040	mtwhf	Malawi B'casting Corp.	5995 do						
1030-1057		Radio Prague Int'l	7345 eu	9505 eu					
1030-1100	s	ORF Vienna	15455 as	17870 au					
1030-1100		KSDA Guam	11790 as	15170 as					
1030-1125		Radio Netherlands	6045 eu	9860 eu	12065 as	13710			
1030-1100		Radio Nigeria	4770 do	4990 do	6025 do	6050	7285 do	9570 do	
1030-1100		Radio Korea	11715 na						
1030-1100		Sri Lanka B'casting Corp.	11835 as	15120 as	17850 as				
1030-1530	s a	Radio Tanzania	5050 af						
1030-1100		Radio Dubai, UAE	13675 eu	15395 eu	17630 eu	21605			
1030-1100		BBC Asian Service	6195 as	9740 as	11750 as	11765	15310 as	17785 as	
			21660 as						
1100-1110	s a	Malawi B'casting Corp.	5995 do						
1100-1120		Radio Pakistan	15470 va	17900 va					
1100-1125		Voice of Vietnam	7285 as	9730 as					
1100-1130		Radio Australia	9580 va	9770 va	9860 va	11640	11660 va		
1100-1130	s a	Radio Telefis Eireann	5070 am						
1100-1130		SIBC Solomon Islands	5020 do						
1100-1130		Investment Channel, S.Afr	9675 af	11970 af	15225 af	17875			
1100-1130		Sri Lanka B'casting Corp.	11835 as	15120 as	17850 as				
1100-1130		Swiss Radio Int'l	13635 as	15415 as	17515 as				
1100-1130		BBC African Service	6190 af	11940 af	15400 af	17830	17885 af	21660 af	
1100-1130		BBC Asian Service	6100 pa	6195 as	9580 as	9740	11750 as	11765 pa	
			11955 as	15310	17785 as				
1100-1130	mtwhf	BBC Caribbean Report	6195 am	15220 am					
1100-1130		BBC World Service	5965	9410 eu	11760 me	12095 eu	15485	15565 as	
			15575 eu	17640 eu	17705	17790 sa			
			6195 am	15190 sa	15220				
1100-1135	s a	BBC World Service	11818 af	11835 af					
1100-1150		Radio Maputo	15370 af	15410 af	17765 af	17800			
1100-1150		Deutsche Welle	6575 am	9975 am	11335 am				
1100-2300		Carr. Beacon, Anguilla	11775						
1100-1200		Radio Nat'l Congolaise	9610 do						
1100-1200		AWR Costa Rica	5030 am	6150 sa	7375 sa	9725	13750 na		
1100-1200		R. for Peace Int'l	6205 ul	7385 va					
1100-1200		Croatian Radio, Zagreb	5920 eu	7165 eu	9830				
1100-1200		HCJB Quito Ecuador	12005 am	15115 am	21455 ul				

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Time	Days	Station	Frequencies						
1100-1200		Italian Radio Relay Svc	7125 uf						
1100-1200		Radio Japan	6120 na	7125 as	11815 as				
1100-1200		Voice of Hope, Lebanon	9960 me						
1100-1200		Radio Liberia Int'l	6100 do						
1100-1200		RTM Radio 4, Malaysia	7295 do						
1100-1200		KFBS Saipan, Marianas	9495 as	11650 as	15380 as				
1100-1300		KHBI Saipan, Marianas	9355 as	9430 au					
1100-1200		Radio Educacion, Mexico	6185 do						
1100-1200		NBC Windhoek, Namibia	6060 af						
1100-1200		Radio New Zealand Int'l	9700 va						
1100-1200		Radio Nigeria	4770 do	4990 do	6025 do	6050	7285 do	9570 do	
1100-1200		Voice of Nigeria	7255 af						
1100-1200		Nat'l BC, Papua NG	4890 do						
1100-1200		Voice of Russia	4740 as	11655 as	11880 as	15170	15460 as	15490 as	
			15510 as	15560	17560 as	17610 as	17755 as	17775	
			17795 as						
1100-1200		BSKSA Saudi Arabia	9580 me	11820 me	15060 me	17880	21530 me	21670 me	
1100-1200		Radio Singapore Int'l	6015 as	6155 as					
1100-1200		VOA	5985 pa	6160 as	9645 as	9760	11720 as	15160 as	
			15425 as						
1100-1300		WEWN Birmingham AL	7425 na	9465 am	15745 eu				
1100-1300		WVHA Greenbush ME	13825 va	17535 va					
1100-1200		WWCR Nashville TN	2390 na	5935 na	7435 na	15685			
1100-1200		WYFR Okeechobee FL	5950 na	11830 na					
1100-1200		Christian Voice, Zambia	6065 do	7250 af					
1100-1200		Radio 3, Zimbabwe	5975 do						
1100-1115		Radio Botswana	4820 do	7255 do	9600 do				
1115-1130	s	BBC English Teaching	9635 eu						
1115-1145		Radio Nepal, Katmandu	5005 as	7165					
1125-1225		Radio Netherlands	6045 eu	9860 eu					
1130-1145		Radio Burundi	6140 do						
1130-1200		Radio Australia	9580 va	9770 va	9860 va	11660			
1130-1200		VOIRI Teheran	9585 as	11875	11930 as	15084 as	15260 as		
1130-1200		Investment Channel, S.Afr	9675 af	11970 af	15225 af	17780			
1130-1200		Radio Sweden	11650 na	15240 na					
1130-1200		BBC African Service	6190 af	11940 af	17830 af	17885	21660 af		
1130-1200		BBC Asian Service	6195 as	9580 as	9740 as	11955			
1130-1200	s a	BBC Asian Service	11750 as	15310 as					
1130-1200		BBC English Teaching	5875 eu	9635 eu	9750	11680 eu	11845 eu	11995 eu	
			13670	15325 eu	17695 eu				
1130-1200	mtwhf	BBC English Teaching	11750 as	15310 as					
1130-1200		BBC World Service	5965	6195 am	9410 eu	11760 me	12095	15220 am	
			15485 eu	15565 as	15575	17640 eu	17705 af		
1140-1200		R. Nacional, Venezuela	5020 am	9540 am	11695 am	11850			
1145-1155		Radio Rwanda	6055 do						
1200-1206		Radio New Zealand Int'l	9700 va						
1200-1210	mtwhf	Malawi B'casting Corp.	5995 do						
1200-1215		V. of Cambodia	11940 as						
1200-1215		BBC English Teaching	7135 as	9605 as	11920 as				
1200-1215		BBC World Service	5965 na	6195	9410 eu	9515 na	11760 me	12095	
			15220 am	15485 eu	15565 as	15575	17640 eu	17705 eu	
1200-1230		Radio Australia	5995 va	9580 va	9710 va	9770	9860 va	11660 va	
1200-1230		Radio Canada Int'l	9640 na	9660 as	11855 na	13650	15195 as		
1200-1230		VOIRI Teheran	9585 as	11875	11930 as	15084 as	15260 as		
1200-1230	s	Radio Norway	9590 eu	13800 as	13805 na	15605			
1200-1230		Radio Korea	7285 af						
1200-1230		Swiss Radio Int'l	6165 eu	9535 eu					
1200-1230		VOA	6160 as	9645 as	9760	11715 as	15160 as	15425 as	
1200-1230		Radio Tashkent	7285 as	9715 as	15295 as				
1200-1255		Polish Radio, Warsaw	6095 eu	7145 eu	7270 eu	9525	11815 eu		
1200-1300		Radiobras, Brasilia	15445 am						
1200-1300		Radio Bulgaria	13790 as						
1200-2400		CBC Northern Service	9625 do						
1200-1300		China Radio Int'l	7385 as	9715 as	11660	11795 pa			
1200-1300		Radio Nat'l Congolaise	9610 do						
1200-1300		AWR Costa Rica	5030 am	6150 sa	7375 sa	9725	13750 na		
1200-1300		R. for Peace Int'l	7385 va						
1200-1300		Croatian Radio, Zagreb	5920 eu	7165 eu	9830				
1200-1300		HCJB Quito Ecuador	12005 am	15115 am	21455 uf				
1200-1300		Radio France Int'l	9805 eu	11600 as	11615 am	13625	15155 eu	15195 eu	
			15530 sa	15540					
1200-1700		Ghana Broadcasting Corp.	4915 do	6130 do					
1200-1300		Italian Radio Relay Svc	7125 uf						
1200-1300		Radio Japan	7125 as	11815 as					
1200-1300		Radio Jordan	11690 va						

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Time	Days	Station	Frequencies						
1200-1300		Voice of Hope, Lebanon	9960 me						
1200-1300		Radio Liberia Int'l	6100 do						
1200-1300		RTM Radio 4, Malaysia	7295 do						
1200-1300		KFBS Saipan, Marianas	9495 as	11650 as	15380 as				
1200-1300		NBC Windhoek, Namibia	6060 af						
1200-1300		Radio Nigeria	4770 do	4990 do	6025 do	6050	7285 do	9570 do	
1200-1300		Voice of Nigeria	7255 af						
1200-1300		Voice of Russia	4740 as	4975 as	6080 as	7170	7305 as	7315 as	
			7330 as	9800	9835 as	9895 as	11655 as	11665	
			11675 as	11730 as	11765 as	11785	11820 as	11860 as	
			11880 as	12035	15110 as	15170 as	15230 as	15435	
			15490 as	15510 as	15550 as	17610	17755 as	17775 as	
			17795 as						
1200-1300		BSKSA Saudi Arabia	9580 me	15060 me	15165 me	15230	15280 me	15345 me	
			15380 eu						
1200-1300		Radio Singapore Int'l	6015 as	6155 as					
1200-1300		Investment Channel, S.Afr	15225 af	17780 af					
1200-1300		V. of Free China, Taiwan	7130 as	9610 pa					
1200-1300		Radio Ukraine Int'l	7150 eu	12045 au	12050 na				
1200-1300		BBC African Service	6190 af	11940 af	17830 af	17885	21660 af		
1200-1300		BBC Asian Service	6195 as	9580 as	9740 as	11750	11955 as	15310 as	
1200-1300		WSHB Cypress Creek SC	6095 am	9455 am					
1200-1300		WWCR Nashville TN	7435 na	9475 na	13845 na	15685			
1200-1300		WYFR Okeechobee FL	5950 na	6015 na	11830 na	17750			
1200-1300		Christian Voice, Zambia	6065 do	7250 al					
1200-1300		Radio 3, Zimbabwe	5975 do						
1206-1300		Radio New Zealand Int'l	6070 oc						
1215-1300		Radio Cairo	17595 as						
1215-1300		BBC World Service	5965 na	6195	9410 eu	9515 na	11760 me	12095	
			15220 am	15485 eu	15565 as	15575	17640 eu	17705 eu	
1230-1240		Radio Mogadishu	6870 af						
1230-1245		BBC English Teaching	15105 af	17715 af	21640 af				
1230-1255	s	R. Vlaanderen Int'l	13785 na	15535 as					
1230-1255		Voice of Vietnam	5940 as	7270 as	7400 as	9840	15010 as		
1230-1300		Radio Australia	5995 va	9580 va	9710 va	9770	9860 va	11660 va	
1230-1300	mtwhf	Radio Australia	7150 va						
1230-1300		ORF Vienna	6155 eu	13730 va					
1230-1300		Radio Bangladesh	7185 as	9548 as					
1230-1300		Radio Canada Int'l	9640 na	11855 na	13650 na				
1230-1300		Radio Finland	11900 na	15400 na					
1230-1300		KSDA Guam	13720 as						
1230-1300		Voice of Mongolia	12085 au						
1230-1300		Radio Romania Int'l	9690 eu	11885 eu	15365 eu	17720			
1230-1300		Radio Korea	7285 af	9570 as	9640 do	13670			
1230-1300		Sri Lanka B'casting Corp.	9730 as	15425 as					
1230-1300		Radio Sweden	13740 as	15240 as					
1230-1300		Radio Thailand	9655 as	9885 as	11905 as				
1230-1300		Voice of Turkey	13750 as	15290 va					
1230-1300		VOA	6160 as	7769 uf	9645 as	9760	11715 as	15160 as	
			15425 as						
1240-1250		Voice of Greece	9375 na	11645 af	15175 na	15630			
1240-1255	smtwh	BBC Slow Speed News	7140 me	11820	13660 af	15180 af	15555 me	17585	
1245-1250	s la	Red Cross Brcsting Svc	13635 as	15415 as	17515 as				
1300-1315		Cameroon Radio-TV	4850 na						
1300-1320		Radiobras, Brasilia	15445 am						
1300-1325	mtwhfa	R. Vlaanderen Int'l	13785 na	15535 as					
1300-1326		Radio Romania Int'l	9690 eu	11885 eu	15365 eu	17720			
1300-1330	smtwhf	Radio Canada Int'l	9640 na	11855 na	13650 na				
1300-1330		Croatian Radio, Zagreb	5920 eu	7165 eu	13830				
1300-1330		Radio Prague Int'l	13580 as	17485 af					
1300-1330		Radio Cairo	17595 as						
1300-1330		Italian Radio Relay Svc	7125 uf						
1300-1330		Alma Ata Radio, Khazak.	5915 as	7255 as					
1300-1330		Voice of Hope, Lebanon	9960 me						
1300-1330		Swiss Radio Int'l	7230 as	7480 as	13635 as	15120			
1300-1330		Voice of Turkey	13750 as	15290 va					
1300-1330		VOA	6160 as	9645 as	9760 as	11715	15160 as	15425 as	
1300-1350		Radio Pyongyang	9345 eu	9640 eu	11335 na	15230			
1300-1400		Radio Australia	5995 va	9580 va	9770 va	11800			
1300-1400		China Radio Int'l	7385 as	9715 as	11660				
1300-1400		Radio Nat'l Congolaise	9610 do						
1300-1400		R. for Peace Int'l	7385 va						
1300-1400		HCJB Quito Ecuador	12005 an	15115 an	21455 uf				
1300-1400		Radio Jordan	11690 va						
1300-1400		Radio Liberia Int'l	6100 do						

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Time	Days	Station	Frequency						
1300-1400		RTM Radio 4, Malaysia	7295 do						
1300-1400		KFBS Saipan, Marianas	9495 as	9670 as	11650 as				
1300-1400		KHBI Saipan, Marianas	9355 as	13840 as					
1300-1400	s	RTV Morocco	17595 af						
1300-1400		NBC Windhoek, Namibia	6060 af						
1300-1400		Radio New Zealand Int'l	6070 oc						
1300-1400		Radio Nigeria	4770 do	4990 do	6025 do	6050	7285 do	9570 do	
1300-1400		Voice of Nigeria	7255 af						
1300-1400		FEBC Manila	11995 as						
1300-1400		Voice of Russia	6080 as	7170 as	7305 as	7315	7330 as	9800 as	
			9835 as	9895	11665 as	11675 as	11730 as	11765	
			11820 as	11860 as	12035 as	15460	15550 as	15560 as	
			17610 as	17795					
1300-1400		BSKSA Saudi Arabia	9580 me	15060 me	15165 me	15230	15280 me	15345 me	
			15380 eu						
1300-1400		Radio Singapore Int'l	6015 as	6155 as					
1300-1400		Investment Channel, S Afr	15225 af	17780 af					
1300-1400		Sri Lanka B'casting Corp.	9730 as	15425 as					
1300-1400		BBC African Service	6190 af	11940 af	15420	17830 af	17885 af	21660 af	
1300-1400		BBC Asian Service	5990 as	6195 as	9740	11750 as	15310 as		
1300-1400		BBC World Service	5965 na	6195	9410 eu	9515 na	11760 me	11865	
			12095 eu	15220 am	15485 eu	15565	15575 eu	17640 eu	
			17705 eu						
1300-1600		KJES Vado NM	11715 na						
1300-1400		KNLS Anchor Point AK	7365 as						
1300-1400		WEWN Birmingham AL	7425 na	9465 am	11875 na	15745			
1300-1500		WHRI Noblesville IN	6040 va	15105 am					
1300-1400		WSHB Cypress Creek SC	6095 na	9455 na					
1300-1800		WVHA Greenbush ME	17535 va						
1300-2300		WCCR Nashville TN	9475 na	12160 na	13845 na	15685			
1300-1400		WYFR Okeechobee FL	5950 na	11550 as	11830 na	13695	17750 na		
1300-1400		Christian Voice, Zambia	6065 do	7250 af					
1300-1400		Radio 3, Zimbabwe	5975 do						
1315-1330	w	BBS, Bhutan	5025 do	6035 do	9615 do				
1320-2010		Kenya BC Corp	4934 do						
1330-1345	m wh	BBS, Bhutan	5025 do	6035 do	9615 do				
1330-1345		BBC English Teaching	15105 af	17810 af	21640 af				
1330-1355		Voice of Vietnam	5940 eu	7270 eu	7400 eu	9840	15010 eu		
1330-1400		Radiobras, Brasilia	15445 am						
1330-1400		Radio Canada Int'l	9535 as	11795 as	11935 va	15325			
1330-1400	smtwhl	Radio Canada Int'l	9640 na	11855 na	13650 na				
1330-1400	mtwhla	Radio Canada Int'l	17820 va						
1330-1400		Croatian Radio, Zagreb	5920 eu	7165 eu	13830				
1330-1400		KSDA Guam	9650 as	13720 as					
1330-1400		All India Radio, Delhi	9545 as	11620 as	13710 as				
1330-1400		Italian Radio Relay Svc	3985 uf						
1330-1400		Nat'l Radio of Laos	7116 as						
1330-1400		Voice of Hope, Lebanon	9965 me						
1330-1525		Radio Netherlands	9890 as	12090 as	15585 as				
1330-1400	mtwhl	Radio Portugal	21515 as						
1330-1400		Radio Sweden	11650 na	13740 as	15240 na				
1330-1400		Radio Dubai, UAE	13675 eu	15395 eu	17630 eu	21605			
1330-1400		VOA	6160 as	9645 as	9760 as	15160	15425 as		
1330-1400		Radio Tashkent	7285 as	9715 as	15295 as				
1345-1400	w	BBS, Bhutan	5025 do	6035 do	9615 do				
1345-1400		Vatican Radio	9500 au	11625 au					
1400-1405		Vatican Radio	9500 au	11625 au					
1400-1410	mtwhl	Malawi B'casting Corp.	3381 do						
1400-1415		Radio Botswana	4820 do	7255 do	9600 do				
1400-1415		BBC English Teaching	11860 af	15420 af	17885 af	21490			
1400-1430		Radio Australia	5995 va	9580 va	9770 va	11800			
1400-1430		Kol Israel	12080 va	15650 va					
1400-1430		Radio Mexico Int'l	5985 na	9705 na					
1400-1430		Swiss Radio Int'l	6165 eu	9535 eu					
1400-1430		Radio Thailand	9655 va	9830 as	11905 va				
1400-1445		Radio Nigeria	4770 do	4990 do	6025 do	6050	7285 do	9570 do	
1400-1450		Radiobras, Brasilia	15445 am						
1400-1500		Radio Algiers	11715 va	15160 va	15205 va				
1400-1500	s	Radio Canada Int'l	11855 na	13650 na					
1400-1500		China Radio Int'l	7405 va	9535 as	9785 as				
1400-1500		Radio Nat'l Congolaise	15190 do						
1400-1500		R. for Peace Int'l	7385 va						
1400-1500		Croatian Radio, Zagreb	5920 eu	7165	13830 am				
1400-1500		HCJB Quito Ecuador	12005 am	15115 am	21455 uf				
1400-1500		Radio France Int'l	7110 as	12030 as	17560 as				

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Time	Days	Station	Frequencies						
1400-1500		All India Radio, Delhi	9545 as	11620 as	13710 as				
1400-1500		Italian Radio Relay Svc	3985 ul						
1400-1500		Radio Japan	7200 as						
1400-1500		Radio Jordan	11690 va						
1400-1500		Voice of Hope, Lebanon	9965 me						
1400-1500		Radio Liberia Int'l	6100 do						
1400-1500		RTM Radio 4, Malaysia	7295 do						
1400-1500		KFBS Saipan, Marianas	9465 as	9495 as	9670 as				
1400-1600		KHBI Saipan, Marianas	9355 as						
1400-1500		NBC Windhoek, Namibia	6060 af						
1400-1500		Radio New Zealand Int'l	6070 oc						
1400-1500		Voice of Nigeria	7255 af						
1400-1500		FEBC Manila	11995 as						
1400-1500		Voice of Russia	4740 me	4940 me	4975	9595 me	11665 me	11835 me	
			11985	15350 me	15540 me				
1400-1500		BSKSA Saudi Arabia	9580 me	11825 me	15060 me	15165	15230 eu	15280 me	
			15345 me	15380					
1400-1500		SBC Radio 1, Singapore	6155 do						
1400-1500		Investment Channel, S.Afr	9455 af	11870 af	11900 af	15225			
1400-1500		Sri Lanka B'casting Corp.	9730 as	15425 as					
1400-1500		BBC African Service	6190 af	11940 af	17830	21470 af	21660 af		
1400-1500		BBC Asian Service	5990 as	6195 as	9740 as	11750			
1400-1500		BBC World Service	9410 eu	9515	11865 na	12095 eu	15220 na	15485	
			15565 as	15575 eu	17640 eu	17705	17840 an		
1400-1500	s	ANARC SWL Net	3940 ll	7240 ll					
1400-2300		KAJI Dallas TX	13815 na	15725 na					
1400-1500		VOA	6160 as	7125	7215 as	9645 as	9760 as	15160	
			15255 va	15395 as	15425 as				
1400-1600		WEWN Birmingham AL	9455 na	11875 na	15375 an	15745			
1400-2300		WRNO New Orleans LA	7355 af	15420 na					
1400-1500		WYFR Okcechobee FL	5950 na	11550 as	11830 na	17750			
1400-1500		Christian Voice, Zambia	6065 do	7250 af					
1400-1500		Radio 3, Zimbabwe	5975 do						
1415-1420		Radio Nepal, Katmandu	5005 as	7165					
1415-1430		BBC English Teaching	5875 eu	12040 eu					
1415-1430	s a	BBC English Teaching	11860 af	15420 af	17885 af	21490			
1430-1500		Radio Afghanistan	7200 as						
1430-1500		Radio Australia	5995 va	6060 va	6080 va	7380	9580 va	9615 va	
			9850 va	11660	11800 va	12080 va			
1430-1500		KSDA Guam	7400 as						
1430-1500		Radio Myanmar	5990 do						
1430-1500		Radio Romania Int'l	15335 as	17720 as					
1430-1500		Radio Uganda	4976 do						
1440-1500		R. Nacional, Venezuela	5020 an	9540 an	11695 an	11850			
1445-1500		Radio Nigeria	9170 do	4770 do	4990 do	6025	6050 do	7285 do	
			9570 do						
1500-1505	mlwhl	Radio Burundi	6140 do						
1500-1515		BBC World Service	9410	9515 na	11865 na	12095 eu	15220	15485 eu	
			15575 eu	17705 eu	17840				
1500-1526		Radio Romania Int'l	15335 as	17720 as					
1500-1530		Radio Mexico Int'l	5985 na	9705 na					
1500-1530		Voice of Mongolia	9720 as	12085 as					
1500-1530	s	Radio Norway	9980 as	11840 na					
1500-1530		FEBA Seychelles	11600 as						
1500-1530	mlwhla	FEBA Seychelles	9810 as						
1500-1530		BBC African Service	6190 af	11860 af	11940	15400 af	15420 af	17830 af	
			21470	21490 af	21660 af				
1500-1530		BBC Asian Service	5975 as	5990 as	6195 as	9740	11750 as		
1500-1530		VOA	6110 as	6160	7125 as	7215 as	9645 as	9700	
			9760 as	15205 va	15255 va	15395			
1500-1550		Radio Pyongyang	9325 eu	9640 af	9977 eu	13785			
1500-1600		Radio Australia	5995 va	6060 va	6080 va	7380	9580 va	9615 va	
			9850 va	11660	11800 va	12080 va			
1500-1600	s	Radio Canada Int'l	11855 na	13650 na					
1500-1600		China Radio Int'l	7405 va	9535 as	9785 as				
1500-1600		Radio Nat'l Congolaise	15190 do						
1500-1600		R. for Peace Int'l	7385 va						
1500-1600		Croatian Radio, Zagreb	5920 eu	7165	13830 an				
1500-1600		HCJB Quito Ecuador	12005 an	15115 an	21455 ul				
1500-1600		KTWR Guam	11580 as						
1500-1600	a	West Coast Radio, Ireland	6175 eu						
1500-1600		Italian Radio Relay Svc	3985 ul						
1500-1600		Radio Japan	7200 as	7240 as	9535 na	9750	11730 as	15355 af	
1500-1600		Radio Jordan	11690 va						
1500-1600		Voice of Hope, Lebanon	9965 me						

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Time	Days	Station	Frequencies						
1500-1600		Radio Liberia Int'l	6100 do						
1500-1600		RTM Radio 4, Malaysia	7295 do						
1500-1600		KFBS Saipan, Marianas	9465 as	9495 as	9670 as				
1500-1600		Radio Myanmar	5990 do						
1500-1600		NBC Windhoek, Namibia	6060 af						
1500-1600	mtwhl	NBC Windhoek, Namibia	4930 af						
1500-1600		Radio New Zealand Int'l	6070 oc						
1500-1600		Radio Nigeria	3970 do	4770 do	4990 do	6025	6050 do	7285 do	
			9570 do						
1500-1600		Voice of Nigeria	7255 af						
1500-1600		FEBC Manila	11995 as						
1500-1600		Voice of Russia	4740 me	4940 me	4975	7245 me	9440 af	9595 me	
			9615	9675 me	11665 me		11775	11825 me	
			11835 me	11945 af	12025	12035 af	15320 me	15350 af	
			15540	17525 me					
1500-1600	sn	Voice of Russia	7325	9730 eu					
1500-1600	mtwhla	Voice of Russia	15460 af						
1500-1600		BSKSA Saudi Arabia	9580 me	9730 me	11780 eu	11825	11950 eu	11965 eu	
			15165 me	15280					
1500-1600		SBC Radio 1, Singapore	6155 do						
1500-1600		Investment Channel, S.Afr	9455 af	11870 af	11900 af	15225			
1500-1600		Sri Lanka B'casting Corp.	9730 as	15425 as					
1500-1600		Radio Uganda	4976 do						
1500-2400		KTBN Salt Lake City UT	15590 na						
1500-2400		KVOH Los Angeles CA	17775 am						
1500-1700		WHRI Noblesville IN	13760 va	15105 am					
1500-1600		WYFR Okeechobee FL	11830 na	17750 na					
1500-1600		Christian Voice, Zambia	6065 do	7250 af					
1500-1600		Radio 3, Zimbabwe	5975 do						
1515-1530		BBC World Service	9410 eu	9515	11865 na	12095 eu	15220 na	15485	
			15575 eu	17705 eu	17840 am				
1520-1530	mtwhl	Radio Estonia, Tallinn	5925 eu						
1520-1530		Vatican Radio	11640 au	15580 au					
1530-1545		All India Radio, Delhi	7410 va	9700 as	9910 va	11740			
1530-1545	s	FEBA Seychelles	11600 as						
1530-1545	mtwhla	FEBA Seychelles	9810 as						
1530-1545		BBC English Teaching	7105 as	11710 as					
1530-1600		VOIRI Teheran	7215 as	9590 as					
1530-1600	s twhla	TWR Russia	7420 eu						
1530-1915		Radio Tanzania	5050 af						
1530-1600		BBC African Service	6190 af	11940 af	15400	17830 af	21470 af	21660 af	
1530-1600		BBC Asian Service	5975 as	5990 as	6195 as	9740	11750 as		
1530-1600	mtwhl	BBC Asian Service	7180 as						
1530-1600		BBC World Service	9410 eu	9515 na	11865	12095 eu	15220 na	15485 eu	
			15575	17705 eu	17840 am				
1530-1600		VOA	6110 as	6160 as	7125 as	7215	9645 as	9700 me	
			9760 as	15205	15255 va	15395 as			
1545-1600	mtwhla	FEBA Seychelles	9810 as						
1600-1610		Malawi B'casting Corp.	3381 do						
1600-1615		BBC African Service	3255 af	6190 af	15400	17830 af	21470 af	21660 af	
1600-1615		BBC Asian Service	3915 as	5975 as	5990 as	6195	7160 as	9740 as	
			11750 as						
1600-1615	mtwhl	BBC Asian Service	7180 as						
1600-1625		Radio Dubai, UAE	11795 eu	13675 eu	15395 eu	17630			
1600-1625		Voice of Vietnam	5940 eu	7270 eu	7400 eu	9840	15010 eu		
1600-1627		Radio Prague Int'l	5930 eu	17485 af					
1600-1630		KTWR Guam	11580 as						
1600-1630		VOIRI Teheran	7215 as	9590 as					
1600-1630		Alma Ata Radio, Khazak.	5940 as	5970 as	6075 as	9505	9550 as	15215 as	
			15250 as	15270	15285 as	15315 as	15360 as	15385	
			17605 as	17715 as					
1600-1630		Radio Pakistan	9514 va	11570 va	15555 va				
1600-1630		Channel Africa, S. Africa	6120 af	9685 af					
1600-1630		Swiss Radio Int'l	12075 as	13635 as	15530 as				
1600-1630		BBC World Service	9410 eu	9515	12095 eu	15485 eu	15575 eu	17705	
			17840 am						
1600-1650		Deutsche Welle	6170 as	7130 af	7225	9735 af	9875 as	11810 af	
			13690	17800 af					
1600-1650		Radio New Zealand Int'l	6070 oc						
1600-1700		Radio Australia	5995 va	6060 va	6080 va	6090	9580 va	9615 va	
			11800 va	12080					
1600-1700		China Radio Int'l	15110 af	15130 af					
1600-1700		Radio Nat'l Congolaise	15190 do						
1600-1700	s a	AWR Costa Rica	9725 na	11870 sa	13750 na				
1600-1700		R. for Peace Int'l	7385 va						

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Time	Days	Station	Frequencies						
1600-1700		Croatian Radio, Zagreb	5920 eu	7165	13830 am				
1600-1700		Voice of Ethiopia	5990 af	7110 va	7165 af	9560	9705 af	11800 af	
1600-1700		Radio France Int'l	6175 va	9485 va	11615 af	11700	12015 va	15530 va	
1600-1900		Africa Numero Un, Gabon	9580 af	15475 af					
1600-1700		KSDA Guam	7400 as						
1600-1700		Italian Radio Relay Svc	3985 uf						
1600-1700		Radio Jordan	11690 va						
1600-1700		Voice of Hope, Lebanon	9965 me						
1600-1700		Radio Liberia Int'l	6100 do						
1600-1700		KFBS Saipan, Marianas	9465 as	9495 as					
1600-1800		KHBI Saipan, Marianas	9355 af	9385 af	11550 eu	13770			
1600-1700		NBC Windhoek, Namibia	3270 af						
1600-1700		Radio Nigeria	3970 do	4770 do	4990 do	6025	6050 do	9570 do	
1600-1700		Voice of Nigeria	7255 af						
1600-1800		KHBN Palau	9955 as	9965 as					
1600-1700		Voice of Russia	7290 eu	7350	7440 af	9440 af	9615 af	9675	
			9730 eu	9765 eu	9775 eu	9880	9975 af	11675 eu	
			11685 af	11725	11775 af	11850 af	11945 af	12025	
			15350 af	15400 eu	15430 eu	17255	17875 af		
1600-1700		BSKSA Saudi Arabia	9580 me	9730 me	11710 me	11780	11835 me	11950 eu	
			11965 eu	17775					
1600-1700		SBC Radio 1, Singapore	6155 do						
1600-1700		Investment Channel, S Afr	3230 af	5955 af	9455 af	11870			
1600-1700		Radio Korea	5975 do	9515 af	9870 af				
1600-1700		TWR Swaziland	9500 af						
1600-1700		Radio Uganda	4976 do						
1600-1700		VOA	6035 af	6110	6160 as	7125 as	7215 as	9645	
			9700 me	9760 as	13600 af	13710	15205 va	15225 af	
			15255 va	15395	15410 af	15445 af	17895 af		
1600-2000		WEWN Birmingham AL	11875 na	13615 na	15375 am	15745			
1600-2100		WMLK Bethel PA	9465 na						
1600-1800		WSHB Cypress Creek SC	18930 af						
1600-1700		WYFR Okeechobee FL	11705 na	11830 na	15695 eu	17750	21525 eu	21745 eu	
1600-1700		Christian Voice, Zambia	3330 do	4965 af					
1600-1700		Radio 3, Zimbabwe	5975 do						
1610-1620		Radio Botswana	3356 do	4820 do	7255 do				
1615-1630		Vatican Radio	4005 eu	5880	7250 eu	9645 eu			
1615-1645		BBC African Service	3255 af	6190 af	15400	15420 af	17830 af	21470 af	
			21660						
1615-1645	s a	BBC African Service	11860 af						
1615-1700		BBC Asian Service	3915 as	5975 as	7160 as	9510	9740 as	11750 as	
1630-1700		ORF Vienna	6155 eu	11855 me	13710 as	13730			
1630-1700		Radio Canada Int'l	7150 as	9550 as					
1630-1700		Radio Cairo	15255 af						
1630-1700		AWR Europe, Slovakia	11600 af	13580 me					
1630-1700		Radio Slovakia Int'l	5915 eu	6055 eu	7345 eu				
1630-1700		BBC English Teaching	5875 eu	9750 eu					
1630-1700		BBC World Service	9410 eu	12095	15485 eu	15575 eu	17840 am		
1630-1700	a	BBC World Service	9515 na						
1640-1650	s	Radio Rwanda	6055 do						
1645-1650	s fa	Red Cross Brctling Svc	12075 as	13635 as	15530 as				
1645-1700		Radio Dushanbe	7245 as						
1645-1700		BBC African Service	3255 af	6190 af	11860	15400 af	15420 af	17830 af	
			21470	21660 af					
1650-1700	mtwhf	Radio New Zealand Int'l	6070 va						
1700-1715		Cameroon Radio-TV	4850 na						
1700-1727		Radio Prague Int'l	5930 eu	15640 af					
1700-1730		Radio France Int'l	9485 va	11615 af					
1700-1730		AWR Europe, Slovakia	15620 af						
1700-1730		Channel Africa, S. Africa	11900 af						
1700-1730		BBC Asian Service	3915 as	5975 as	7160 as	9510	9740 as	11750 as	
1700-1730		BBC World Service	6090 me	6180	6195 eu	9410 eu	12095 eu	15485	
			15575 eu	17840 na					
1700-1730		VOA	6110 as	6160 as	7125	7170 as	7215 as	9645 as	
			9700	9760 af	15255 va	15395 as	15410	15445 af	
			17895 af						
1700-1730	mtwhf	VOA	5990	6045 as	7150 as	9550 as	9770	11870 as	
1700-1745		TWR Swaziland	9500 af						
1700-1745		BBC African Service	3255 af	6005 af	6190	9630 af	11860 af	15400 af	
			17830						
1700-1750		Radio Pyongyang	9325 eu	9640 af	9977 eu	13785			
1700-1755		Polish Radio, Warsaw	6000 eu	6095 eu	7270 eu	7285			
1700-1800		Radio Australia	6060 va	6080 va	6090 va	9580	9615 va	9860 va	
			11880 va	12080					
1700-1800		R. Dada Gorgud, Azerb.	7160 eu	9580 eu	9840	11835	15135	15175	

SCHEDULES BY MARK FINE

Time	Days	Station	Frequencies						
1700-1800		China Radio Int'l	7150 af	7405 af	9570 af				
1700-1800		Radio Nat'l Congolaise	6115 do						
1700-1800		R. for Peace Int'l	15050 va						
1700-1800		Croatian Radio, Zagreb	5895 eu	7165	13830 am				
1700-1800		Radio Cairo	15255 af						
1700-1800		Radio Africa, Eq. Guinea	7190 af						
1700-2400		Ghana Broadcasting Corp.	3366 do	4915 do					
1700-1800		Italian Radio Relay Svc	3985 uf						
1700-1800		Radio Japan	6035 as 11730 as	7110 eu 11880	7200 as	7225	9535 na	9835 va	
1700-1800		Voice of Hope, Lebanon	9965 me						
1700-1800		Radio Liberia Int'l	6100 do						
1700-1800		KFBS Saipan, Marianas	9465 as						
1700-1800		NBC Windhoek, Namibia	3270 af						
1700-1800	mtwhf	Radio New Zealand Int'l	6070 va						
1700-1800		Radio Nigeria	3326 do 9570 do	3970 do	4770 do	4990	6025 do	6050 do	
1700-1800		Voice of Nigeria	7255 af						
1700-1800		Voice of Russia	6045 va 7340 va 9675 af 9945 af 11850 af 15430 va	7185 7400 va 9730 9975 af 11985 17875 af	7245 af 7440 af 9765 eu 11630 va 12035 af	7260 va 9440 9775 eu 11685 12040 va	7280 va 9610 va 9810 va 11725 af 12060 va	7325 9615 af 9880 11775 af 15400	
1700-1800		BSKSA Saudi Arabia	6020 me 11965 eu	9730 me	11710 me	11780	11835 me	11950 eu	
1700-1800		Investment Channel, S.Afr	3230 af	5955 af	9455 af	11870	11900 af	15225 af	
1700-1800		Radio Uganda	4976 do						
1700-1800		Radio Ukraine Int'l	9550 na	12040 na					
1700-1800		WHRI Noblesville IN	9495 na	13760 va	15105 am				
1700-1800		WYFR Okeechobee FL	15695 eu	21745 eu					
1700-1800		Christian Voice, Zambia	3330 do	4965 af					
1700-1800		Radio 3, Zimbabwe	4828 do						
1730-1745		BBC Asian Service	3915 as	5975 as	7160 as	9510	9740 as	11750 as	
1730-1745	s	BBC Asian Service	5875 as	9750 as	11985 as	12015	12045 as	15565 as	
1730-1745		BBC English Teaching	3390 af	6070 af	9520 af				
1730-1745		BBC World Service	6090 me 15575	6180 eu 17840 na	6195	9410 eu	12095 eu	15485 eu	
1730-1756		Radio Romania Int'l	9550 af	11940 af	15340 af				
1730-1800		Georgian Radio, Tbilisi	6080 me						
1730-1800		KSDA Guam	9370 as						
1730-1830		Radio Netherlands	6020 af	7120 af	11655 af				
1730-2310		SLBS, Sierra Leone	3316 do						
1730-1800		Radio Sweden	13800 va						
1730-1800	s	Radio Sweden	9590 va						
1730-1800	mtwhfa	Radio Sweden	6065 va						
1730-1800		VOA	6110 as 9700 me 17895 af	6160 as 9760	7125 as 15255 va	7170 15395 as	7215 as 15410 af	9645 as 15445	
1730-1800	mtwhf	VOA	5990	6045 as	7150 as	9550 as	9770	11870 as	
1730-1800		Vatican Radio	9660 af	11625 af	15570 af				
1735-1745	1 h	R. Nacional Paraguay	9736 sa						
1745-1800	mtwhf	Voice of Armenia, Yerevan	4810 eu	4990	7480 eu				
1745-1800		Radio Bangladesh	7185 eu	9548 eu	15520 eu				
1745-1800		Radio Burundi	6140 do						
1745-1800		All India Radio, Delhi	7410 va	9950 eu	11620 va	11935	13780 va	15075 af	
1745-1800		RTV Madagascar	3282 do	3359 do	5010 do				
1745-1800		TWR Swaziland	9500 af						
1745-1800	mtwhf	TWR Swaziland	3200 af						
1745-1800		BBC African Service	3255 af	6190 af	11860	15400 af	17830 af		
1745-1800		BBC Asian Service	5975 as	9510 as	9740 as	11750			
1745-1800	s	BBC Asian Service	5875 as	9750 as	11985 as	12015	12045 as	15565 as	
1745-1800		BBC World Service	6090 me 15575 eu	6180 17840 na	6195 eu	9410 eu	12095 eu	15485	
1800-1810		Malawi B'casting Corp.	3381 do						
1800-1815		BBC English Teaching	6065 as	7205 as	9605 as				
1800-1825		R. Vlaanderen Int'l	5910 eu						
1800-1825	mtwhf	R. Vlaanderen Int'l	13645 af						
1800-1825		Voice of Vietnam	5940 eu	7270 eu	7400 eu	9840	15010 eu		
1800-1830		Radio Cairo	15255 af						
1800-1830		Radio Vilnius, Lithuania	9710						
1800-1830	s	Radio Norway	7485 eu	9590 me	15220 va				
1800-1830		TWR Swaziland	3200 af	9500 af					
1800-1830		BBC African Service	3255 af	6190 af	11860	15400 af	17830 af		
1800-1830		BBC Asian Service	5975 as	9510	9740 as				

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Time	Days	Station	Frequencies						
1800-1830		BBC World Service	6090 15575 eu	6180 eu	6195 eu	9410 eu	12095	15485 eu	
1800-1830		VOA	6035 af 17895 af	7415	9760 af	11975 af	15410 af	15580	
1800-1852	mtwhf	Radio New Zealand Int'l	6070 va						
1800-1900		Radio Australia	6080 va 9860 va	6090 va 11880	7240 va 12080 va	7330	9580 va	9615 va	
1800-1900		Radio Bangladesh	7185 eu		9548 eu	15520 eu			
1800-1900		Radiobras, Brasilia	15265 eu						
1800-1900		Radio Nat'l Congolaise	6115 do						
1800-1900		R. for Peace Int'l	15050 va						
1800-1900		Croatian Radio, Zagreb	5895 eu	7165		13830 am			
1800-1900		Radio Africa, Eq. Guinea	7190 af						
1800-1900		Voice of Hope, Georgia	9310 as						
1800-1900		All India Radio, Delhi	7410 va	9950 eu	11620 va	11935	13780 va	15075 af	
1800-1900		Italian Radio Relay Svc	3985 uf						
1800-1900		Radio Kuwait	11990 na						
1800-1900		Voice of Hope, Lebanon	9965 me						
1800-1900		Radio Liberia Int'l	5100 do						
1800-1900		KFBS Saipan, Marianas	9465 as						
1800-2000		KHBI Saipan, Marianas	9355 eu	9385 af					
1800-1900		Radio Maputo,	3265 af	4855 af					
1800-1900		NBC Windhoek, Namibia	3270 af						
1800-1900		Radio Nigeria	3326 do 9570 do	3970 do	4770 do	4990	6025 do	6050 do	
1800-1900		Voice of Nigeria	7255 af						
1800-1900		Voice of Russia	6045 va 7295	7185 af 7325 af	7245 7340 va	7260 va 7350 eu	7280 va 7400	7290 eu 9440 af	
			9610 va	9615 af	9675	9730 af	9765 eu	9775 eu	
			9810	9880 eu	9945 af	9975 af	11630	11675 eu	
			11685 af	11725 af	11765	11775 af	11850 af	11850 af	
			11985	12035 af	12040 va	12060 va	15400	15430 va	
1800-1900		BSKSA Saudi Arabia	6020 me	9555 eu	9705 me	9870	11935 me		
1800-1900		Investment Channel, S.Afr	3230 af	5955 af	5965 af	7225	9455 af		
1800-1900		R. Omdurman, Sudan	9200 do						
1800-1900		Radio Uganda	4976 do						
1800-1900		KJES Vado NM	15385 au						
1800-2000		KWHR Naalehu HI	13625 as						
1800-2200		WHRI Noblesville IN	9495 am	13760 va					
1800-1900		WSHB Cypress Creek SC	13770 eu	18930 af					
1800-2200		WVHA Greenbush ME	9930 va						
1800-1900		WYFR Okeechobee FL	15695 eu	17555 eu					
1800-1900		Republic of Yemen Radio	9780						
1800-1900		Christian Voice, Zambia	3330 do	4965 af					
1800-1900		Radio 3, Zimbabwe	4828 do						
1815-1830	s a	BBC English Teaching	6145 eu	7210 eu					
1830-1840		Radio Mogadishu	6870 af						
1830-1845		BBC English Teaching	11880 af	15105 af	17885 af				
1830-1845	s a	BBC English Teaching	6145 eu	7115 eu					
1830-1900		Radio Minsk, Belarus	7210	7410	9905	11960			
1830-1900		Radio Ivory Coast, Abidjn	11920 af						
1830-1900		Georgian Radio, Tbilisi	11910 eu						
1830-2025		Radio Netherlands	6020 af	7120 af	9895 af	11655	15315 af	17605 af	
1830-1900		Radio Slovakia Int'l	5915 eu	6055 eu	7345 eu				
1830-1900		TWR Swaziland	3200 af						
1830-1900		Voice of Turkey	9445 eu	13695 lf					
1830-1900		BBC African Service	3255 af 17830	6005 af	6190	9630 af	11860 af	15400 af	
1830-1900		BBC Asian Service	9740 pa						
1830-1900		BBC World Service	6180 eu	6195	9410 eu	12095 eu	15485 eu	15575	
1830-1900		VOA	6035 af 17895 af	7415	9760 af	11975 af	15410 af	15580	
1830-1900	s a	VOA	7170 af	7330 af	9860 af				
1830-1900		Radio Yugoslavia	6100 eu	9720 af					
1840-1850		Voice of Greece	11645 af	15150 af					
1840-1900		R. Nacional, Venezuela	5020 am	9540 am	11695 am	11850			
1845-1850	s la	Red Cross Brcting Svc	9885 va	12075 va	13635 va				
1845-1900		Radio Tirana, Albania	7270 eu	9570 eu					
1845-1900		RTV Guinea	6155 af	7125 af	9650 af	15310			
1845-1900		Radio Mali	4783 do	4835 do	5995				
1845-1900	l h	BBC English Teaching	5965 eu						
1852-1900		Radio New Zealand Int'l	9795 va						
1900-1920		Radiobras, Brasilia	15265 eu						
1900-1925		Kol Israel	7465 va	9435 va	11605 va	15640			
1900-1925		Voice of Vietnam	5940 eu	7270 eu	7400 eu	9840	15010 eu		

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Time	Days	Station	Frequencies						
1900-1930		R. Dada Gorgud, Azerb.	4958	15240					
1900-1930		Radio Ivory Coast, Abidjin	11920 af						
1900-1930	sm	Radio Estonia, Tallinn	5925 eu						
1900-1930		Radio Budapest	3975 eu	7155 eu	9755 eu				
1900-1930	s a	Radio Riga, Latvia	5935 do						
1900-1930		Radio Mexico Int'l	5985 na	9705 na					
1900-1930		Swiss Radio Int'l	9905 eu						
1900-1930		Voice of Turkey	9445 eu	13695 ff					
1900-1930		VOA	6035 af	7375 af	7415	9525 pa	9760 af	9770 af	
			11870	11975 af	15180 pa	15410 af	15445	15580 af	
1900-1930	a	VOA	4950 af						
1900-1930		Radio Yugoslavia	7230 au						
1900-1945		All India Radio, Delhi	7410 va	9950 eu	11620 va	11935	13780 va	15075 af	
1900-1950		Deutsche Welle	7250 af	9640 af	9670 af	9735	11785 af	11810 af	
			13790 af						
1900-1952		Radio New Zealand Int'l	9795 va						
1900-1956		Radio Romania Int'l	7105 eu	7195 eu	9550 eu	9690	11810 eu	11940 eu	
1900-2000	mtwhf	RAE Buenos Aires	15345 eu						
1900-2000		Radio Australia	6080 va	6090 va	7240 va	7330	9580 va	9615 va	
			9860 va	11880	12080 va				
1900-2000		Radio Bulgaria	9700 eu						
1900-2000		China Radio Int'l	6955 af	9440 af					
1900-2000		Radio Nat'l Congolaise	6115 do						
1900-2000		R. for Peace Int'l	15050 va						
1900-2000		Croatian Radio, Zagreb	5895 eu	7165	11635 am				
1900-2000		HCJB Quito Ecuador	12015 eu	21455 uf					
1900-2000		Radio Africa, Eq. Guinea	7190 af						
1900-2300		Africa Numero Un, Gabon	9580 af						
1900-2000		Voice of Hope, Georgia	9310 as						
1900-2000	h	West Coast Radio, Ireland	15625 va						
1900-2000		Italian Radio Relay Svc	3985 uf						
1900-2000		Radio Kuwait	11990 na						
1900-2000		Voice of Hope, Lebanon	9965 me						
1900-2000		Radio Liberia Int'l	5100 do						
1900-2000		KFBS Saipan, Marianas	9465 as						
1900-2000		NBC Windhoek, Namibia	3270 af						
1900-2000	mtwhf	NBC Windhoek, Namibia	3290 af						
1900-2000		Radio Nigeria	3326 do	3970 do	4770 do	4990	6025 do	6050 do	
			9570 do						
1900-2000		Voice of Nigeria	7255 af						
1900-2000		Voice of Russia	6045	7260 va	7280 va	7290 eu	7295	7340 va	
			7350 eu	7400 va	7440	9440 af	9610 va	9775 eu	
			9810	9880 eu	9945 af	11630 va	11675	11765 af	
			11840 va	12040 va	15400	17875 af			
1900-2000		BSKSA Saudi Arabia	6020 me	9555 eu	9705 me		11935 me		
1900-2000		SIBC Solomon Islands	5020 do						
1900-2000		Investment Channel, S.Air	3230 af	5955 af	5965 af	7225	9455 af		
1900-2000		Radio Korea	5975 do	7275 do					
1900-2000		TWR Swaziland	3200 af						
1900-2000		Radio Thailand	7210 eu	9535 eu	9655	9680 eu	11905 as		
1900-2000	mtwhfa	Turkmen Radio, Asgabat	4825	5015					
1900-2000		Radio Uganda	4976 do						
1900-2000		BBC African Service	3255 af	6005 af	6190	9630 af	11835 af	15400 af	
			17830						
1900-2000		BBC Asian Service	9740 pa						
1900-2000	s	BBC Asian Service	5975 me						
1900-2000		BBC World Service	6180 eu	6195	9410 eu	12095 eu	15485 eu	15575	
1900-2000	mtwhfa	BBC World Service	5975 me						
1900-2000		WSHB Cypress Creek SC	13770 eu	17510 af					
1900-2000		WYFR Okeechobee FL	17555 eu						
1900-2000		Christian Voice, Zambia	3330 do	4965 af					
1900-2000		Radio 3, Zimbabwe	4828 do						
1905-2000		Radio Kudirat, Nigeria	6205 do						
1910-1920		Radio Botswana	3356 do	4820 do					
1915-1925		Radio Rwanda	6055 do						
1930-1940		Sri Lanka B'casting Corp.	11800 va	11930 va					
1930-2000		Radio Minsk, Belarus	7210	11960					
1930-2000		Georgian Radio, Tbilisi	11760 eu						
1930-2000		VOIRI Teheran	7260 eu	9022 eu					
1930-2000	mtwhf	Radio Teletis Eireann	12160 am						
1930-2000	l	Radio Pakistan	9400 va	11540 va					
1930-2000		Nat'l BC, Papua NG	4890 do						
1930-2000		Polish Radio, Warsaw	6035 eu	6095 eu	7285				
1930-2000		Radio Sweden	6065 va						
1930-2000		VOA	4950 af	6035 af	7375	7415 af	9525 pa	9760 af	

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Time	Days	Station	Frequencies						
			9770	11870 pa	11975 af	15180 pa	15410	15445 af	
			15580 af						
1935-1955		RAI, Rome	6015 eu	7230 eu	9670 eu				
1945-1950		RTV Togo	5047 af						
1950-2000		Vatican Radio	4005 eu	5882	7250 eu				
1952-2000	fa	Radio New Zealand Int'l	9795 va						
1952-2000	smtwh	Radio New Zealand Int'l	11735 va						
2000-2010		Voice of Greece	7430 eu	9380 eu					
2000-2010	w	Malawi B'casting Corp.	3381 do						
2000-2010		Vatican Radio	4005 eu	5882	7250 eu	7365 af	9645 af		
2000-2015		Radio Kudirat, Nigeria	6205 do						
2000-2015		TWR Swaziland	3200 af						
2000-2025		Polish Radio, Warsaw	6035 eu	6095 eu	7285				
2000-2027		Radio Prague Int'l	5930 eu	11600 as					
2000-2030		Radio Finland	6120 eu	9855					
2000-2030		VOIRI Teheran	7260 eu	9022 eu					
2000-2030	a	Radio Telefis Eireann	12160 am						
2000-2030		Radio Nigeria	3326 do	3970 do	4770 do	4990	6025 do	6050 do	
			9570 do						
2000-2030		Radio Mexico Int'l	5985 na	9705 na					
2000-2030	f	Radio Pakistan	9400 va	11540 va					
2000-2030	mtwhl	Radio Portugal	6140 eu	9780 eu	9815 eu				
2000-2030		Swiss Radio Int'l	9885 af	12075 af	13635 af				
2000-2030		VOA	4950 af	6035	7375 af	7415 af	9760 af	9770	
			11855 af	11975 af	15410 af	15445	15580 af	17725 af	
			17755 af						
2000-2050		Deutsche Welle	7170 eu	9615 eu					
2000-2050		Radio Pyongyang	6576 af	9345 af	9640 af	9977			
2000-2100		R. Nacional de Angola	3355	9535					
2000-2100		Radio Australia	6080 va	6090 va	7240 va	7330	9580 va	9850 va	
			9860 va	11880	12080 va				
2000-2100		Radio Canada Int'l	5995 va	7235 va	11690 va	13650	13670 va	15150 va	
			15325 va	17820	17870 va				
2000-2100		China Radio Int'l	6950 eu	9440 af	9920 eu	11715	15110 af		
2000-2100		Radio Nat'l Congolaise	6115 do						
2000-2100		R. for Peace Int'l	15050 va						
2000-2100		Croatian Radio, Zagreb	5895 eu	7165	11635 am				
2000-2100		HCJB Quito Ecuador	12015 eu	21455 uf					
2000-2100		Radio Africa, Eq. Guinea	7190 af						
2000-2100		Voice of Indonesia	9525 va						
2000-2100		Italian Radio Relay Svc	3955 uf						
2000-2100		Radio Kuwait	11990 na						
2000-2100		Voice of Hope, Lebanon	9965 me						
2000-2100		Radio Liberia Int'l	5100 do						
2000-2100		V. of the Mediterranean	9765 va	12060 va					
2000-2100		KHBI Saipan, Marianas	11860 au						
2000-2100	mtwhl	NBC Windhoek, Namibia	3290 af						
2000-2100		Radio New Zealand Int'l	11735 va						
2000-2100		Voice of Nigeria	7255 af						
2000-2100		Nat'l BC, Papua NG	4890 do						
2000-2100		Voice of Russia	6045 va	7260 va	7280	7340 va	7350 eu	7370 eu	
			7400	7440 eu	9610 va	9620 eu	9665	9775 eu	
			9810 va	9880 eu	11630	11675 eu	11840 va	12040 va	
2000-2100		BSKSA Saudi Arabia	6020 me	9555 eu	9705 me	9870	11935 me		
2000-2100		SIBC Solomon Islands	5020 do						
2000-2100		Investment Channel, S.Afr	3230 af	5955 af	5965 af	7225	9455 af		
2000-2100	mtwhl	Radio Exterior de Espana	6125 eu	11775 af					
2000-2100		Sri Lanka B'casting Corp.	9720 va	15120 va					
2000-2100		Radio Uganda	4976 do						
2000-2100		BBC African Service	3255 af	6005 af	6190	9630 af	11835 af	15400 af	
			17830						
2000-2100		BBC Asian Service	5975 pa	9740 pa					
2000-2100		BBC World Service	6180 eu	6195	7325 eu	9410 eu	11750 sa	12095	
			15485 eu	15575 eu					
2000-2100		KJES Vado NM	15385 na						
2000-2200		KWHR Naalehu HI	15405 as						
2000-2200		WEWN Birmingham AL	6890 na	13615 na	15375 am	15745			
2000-2400		WINB Red Lion PA	13790 na						
2000-2200		WSHB Cypress Creek SC	9355 eu	11550 eu					
2000-2200		WYFR Okeechobee FL	17555 eu	17845 eu	21525 eu				
2000-2100		Christian Voice, Zambia	3330 do	4965 af					
2000-2100		Radio 3, Zimbabwe	4828 do						
2005-2100		Radio Damascus	9950 eu	12085 eu	13610 eu				
2010-2030		Vatican Radio	7365 af	9645 af					
2010-2110	s a	Kenya BC Corp	4934 do						

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Time	Days	Station	Frequencies					
2025-2045		RAI, Rome	7120 af	9710 af	11840 af			
2030-2035	mtwhf	Radio Riga, Latvia	5935 do					
2030-2045		Radio Thailand	9535 eu	9555 eu	9655	9680 eu	11805 eu	11905 as
2030-2055		Voice of Vietnam	5940 eu	7270 eu	7400	9840 eu	15010 eu	
2030-2100		Voice of Armenia, Yerevan	7480 eu	9965 eu	11615 eu			
2030-2100		Radio Cairo	15375 af					
2030-2100		AWR Europe, Germany	9830 af					
2030-2100		Radio Vilnius, Lithuania	9710					
2030-2100	smtwh	ZLXA New Zealand	3935 do					
2030-2100	f	ZLXA New Zealand	5960 do					
2030-2100		Radio Nigeria	3326 do	4770 do	4990 do	6025	6050 do	9570 do
2030-2100		AWR Europe, Slovakia	11610 af					
2030-2100	s a	Radio Sweden	6065 va	13625 va				
2030-2100		BBC English Teaching	5875 eu	6050 eu	9850 eu			
2030-2100		VOA	6035 af	7375	7415 af	9760 af	9770 af	11975
			15410 af	15445 af	15580 af	17725	17755 af	
2030-2100	s a	VOA	4950 af					
2030-2100		Radio Tashkent	4850 eu	5995 eu	7105 eu	9540	11905 eu	
2045-2100		All India Radio, Delhi	7410 eu	9910 au	9950 eu	11620	11715 au	
2100-2105		Radio Damascus	9950 eu	12085 eu	13610 eu			
2100-2110		Malawi B'casting Corp.	3381 do					
2100-2115		Radio Cairo	15375 af					
2100-2115		Radio Japan	6035 as	6090 as	13630 na			
2100-2115		BBC World Service	5975 am	6180	6195 eu	7325 eu	9410 eu	11750
			12095 eu	15485 eu				
2100-2130		Radio Tirana, Albania	7110 eu	9515 eu				
2100-2130		Radio Australia	6080 va	6090 va	7240 va	9660	9850 va	9860 va
			11695 va	11855	11880 va	12080 va	13605 va	
2100-2130		R. Vlaanderen Int'l	5910 eu					
2100-2130		Radio Canada Int'l	5995 va	7235 va	11690 va	13650	13670 va	15150 va
			15325 va	17820				
2100-2130		China Radio Int'l	6950 eu	9920 eu	11715 af	15110		
2100-2130		AWR Europe, Germany	9830 af					
2100-2130		Radio Budapest	3975 eu	7250 eu	9835 eu			
2100-2130	s	Radio Telefe Eireann	12160 am					
2100-2130		AWR Europe, Slovakia	6055 eu	11610 af				
2100-2130		Sri Lanka B'casting Corp.	9720 va	15120 va				
2100-2130		Swiss Radio Int'l	6165 eu					
2100-2130		VOA	6035 af	6040 me	7375 af	7415	9535 af	9760 eu
			11870 pa	11975	15185 as	15410 af	15445 af	15580
			17725 af	17735 as				
2100-2130		Radio Yugoslavia	6100 eu	6185 eu				
2100-2150		Deutsche Welle	7115 as	9670 as	9735 af	9765	11785 as	11865 af
			15135 va					
2100-2156		Radio Romania Int'l	7105 eu	7195 eu	9550 eu	9690	11810 eu	11940 eu
2100-2200		Radio Bulgaria	9700 eu	11720 eu				
2100-2200		Radio Nat'l Congolaise	6115 do					
2100-2200		R. for Peace Int'l	15050 va					
2100-2200		Croatian Radio, Zagreb	5895 eu	7165	11635 am			
2100-2200		Radio Havana Cuba	9585 uf	9620 eu				
2100-2200		HCJB Quito Ecuador	12015 eu	21455 uf				
2100-2200		Italian Radio Relay Svc	3955 uf					
2100-2200		Radio Africa, Eq. Guinea	7190 af					
2100-2200		All India Radio, Delhi	7410 eu	9910 au	9950 eu	11620	11715 au	
2100-2200		Voice of Hope, Lebanon	9960 me					
2100-2200		Radio Liberia Int'l	5100 do					
2100-2200		KHBI Saipan, Marianas	13840 au					
2100-2200	mtwhf	NBC Windhoek, Namibia	3290 af					
2100-2200		Radio New Zealand Int'l	11735 va					
2100-2200	smtwh	ZLXA New Zealand	3935 do					
2100-2200	f	ZLXA New Zealand	5960 do					
2100-2200		Radio Nigeria	3326 do	4770 do	4990 do	6025	6050 do	9570 do
2100-2200		Voice of Nigeria	7255 af					
2100-2200		Nat'l BC, Papua NG	4890 do					
2100-2200		Voice of Russia	7250 eu	7350	7370 eu	7440 eu	9620 eu	9665
			9710 eu	9740 eu	9765 eu	9775	9880 eu	11840 eu
2100-2200		BSKSA Saudi Arabia	9555 eu	9870 eu				
2100-2200		SIBC Solomon Islands	5020 do	9545 do				
2100-2200		Investment Channel, S.Afr	5965 af	7225 af	9455 af			
2100-2200		Radio Korea	3970 eu	6480 eu	15575 eu			
2100-2200		Radio Ukraine Int'l	5905 eu	6010 eu	6020 eu	7240	9550 na	9905 eu
			13590 eu	13720				
2100-2200		BBC African Service	3255 af	6005 af	6190	11835 af	15400 af	
2100-2200		BBC Asian Service	3915 as	5965 as	5975 pa	6195	9740 pa	11945 as
2100-2200		KHBN Palau	9985 as					

SCHEDULES BY MARK FINE

Time	Days	Station	Frequencies						
2100-2200		Christian Voice, Zambia	3330 do	4965 al					
2100-2200		Radio 3, Zimbabwe	4828 do						
2110-2200		Radio Damascus	9950 na	12085 na	13610 na				
2115-2130	mlwhf	BBC Caribbean Report	5975 am	15390 am	17715 am				
2115-2130		BBC World Service	6180 eu	6195	7325 eu	9410 eu	11750 sa	12095	
			15485 eu						
2115-2200		Radio Cairo	9900 eu	15375 af					
2115-2200		Radio Japan	6035 as	13630 na					
2130-2145	l f	BBC Calling Falklands	11680 sa						
2130-2157		Radio Prague Int'l	9440 af	9495 as	11600 va				
2130-2400		ABC Alice Springs	4835 do						
2130-2400		ABC Katherine	5025 do						
2130-2400		ABC Tennant Creek	4910 do						
2130-2200		Radio Australia	6090 va	7240 va	9660 va	9850	11695 va	11855 va	
			12080 va	13605	13755 va	17795 va	17860 va		
2130-2200		ORF Vienna	5945 eu	6155 eu	13730 af				
2130-2200		China Radio Int'l	6950 eu	9920 eu					
2130-2200		KSDA Guam	15310 as						
2130-2200		VOIRI Teheran	6175 pa						
2130-2200		Radio Sweden	6065 va	9430 va					
2130-2200		BBC World Service	5975 am	6180	6195 eu	7325 eu	9410 eu	11750	
			12095 eu						
2130-2200		VOA	6040 me	9535	9760 eu	11870 pa	15185 as	17735	
2130-2200	smtwhf	VOA	6035 af	7375	7415 af	11975 af	15410 af	15445	
			15580 af	17725 af					
2130-2200		Radio Tashkent	4850 eu	5995 eu	7105 eu	9540	11905 eu		
2140-2200		R. Nacional, Venezuela	5020 am	9540 am	11695 am	11850			
2200-2210		Malawi B'casting Corp.	3381 do						
2200-2210		Radio Damascus	9950 na	12085 na	13610 na				
2200-2225		RAI, Rome	6150 pa	9565 pa	11815 pa				
2200-2225	mlwhf	Radio Moldova Int'l	7520 eu						
2200-2230		Radio Canada Int'l	5960 am	9755 am	11705 as	13670	13740 am	15305 am	
2200-2230		All India Radio, Delhi	7410 eu	9910 au	9950 eu	11620	11715 au		
2200-2230		VOIRI Teheran	6175 pa						
2200-2230	s	Radio Norway	9405 sa						
2200-2230		SIBC Solomon Islands	5020 do	9545 do					
2200-2230		BBC African Service	11835 af	15400 af					
2200-2230		BBC World Service	5975 am	6175	6195 eu	7325 eu	9410 eu	9590	
			9660 as	9915 sa	11750 sa	12080	12095 eu		
			7215 as	9705 as	9770	11760 as	15185 as	15290 as	
			15305	17735 as	17820 as				
2200-2230	mlwhf	VOA	6035 af	7340	7375 af	7415 af	11975 af		
2200-2245		Radio Cairo	9900 eu						
2200-2300		Radio Australia	6090 va	11695 va	11855 va	13755	15365 va	17795 va	
			17860 va						
2200-2300		R. for Peace Int'l	7385 va	15050 va					
2200-2300		Croatian Radio, Zagreb	5895 va	7165	11635 am				
2200-2300		Radio Havana Cuba	6180 am	9505 ul					
2200-2300		Radio Africa, Eq. Guinea	7190 af						
2200-2300		Voice of Hope, Lebanon	9960 me						
2200-2300		Radio Liberia Int'l	5100 do						
2200-2300		RTM Radio 4, Malaysia	7295 do						
2200-2300		KHBI Saipan, Marianas	15665 as						
2200-2300	mtwhf	NBC Windhoek, Namibia	3290 af						
2200-2300		Radio New Zealand Int'l	11735 va						
2200-2300	smtwh	ZLXA New Zealand	3935 do						
2200-2300	f	ZLXA New Zealand	5960 do						
2200-2300		Radio Nigeria	3326 do	4770 do	4990 do	6025	6050 do	9570 do	
2200-2300		Voice of Nigeria	7255 af						
2200-2400		KHBN Palau	9955 as	9965 as	9985 as				
2200-2300		Nat'l BC, Papua NG	9520 do	9675 do	11880				
2200-2300		Voice of Russia	7125 na	7250 na	9620 na	9665			
2200-2300		BSKSA Saudi Arabia	9555 eu	9870 eu					
2200-2300		SBC Radio 1, Singapore	6155 do						
2200-2300	s a	Radio Exterior de Espana	6125 eu	11775 af					
2200-2300		V. of Free China, Taiwan	15600 eu	17750 eu					
2200-2300		Voice of Turkey	6135 uf	7280 eu	9655 va				
2200-2300		BBC Asian Service	5965 as	6195 as	7110 as	9890	11955 as		
2200-2400		KWHR Naalehu HI	17510 as						
2200-2400		WEWN Birmingham AL	6890 na	9975 eu	13615 na	15375			
2200-2400		WGTG McCalysville GA	5085 na						
2200-2300		WHRI Noblesville IN	5745 va	9495 am	13760 am				
2200-2400		WSHB Cypress Creek SC	7510 eu	13770 sa					
2200-2400		WVHA Greenbush ME	5850 va						
2200-2300		WYFR Okeechobee FL	17845 eu	21525 eu					

SCHEDULES BY MARK FINE

Time	Days	Station	Frequencies						
2230-2257		Radio Prague Int'l	7345 na	11600 na					
2230-2300		Radio Canada Int'l	5960 na	9755 na	13670 na				
2230-2300	s a	Radio Canada Int'l	6040 na	9535 na	11940 na				
2230-2300		China Radio Int'l	7170 eu						
2230-2300	s a	SIBC Solomon Islands	5020 do						
2230-2300	a	SIBC Solomon Islands	9545 do						
2230-2300		BBC African Service	11835 af	15400 af					
2230-2300		BBC World Service	5975	6175 na	9590 na	9660 as	9915	11750 sa	
			12080 pa						
2230-2300		VOA	7215 as	9705	9770 as	11760 as	15185 as	15290	
			15305 as	17735 as	17820 as				
2240-2250		Voice of Greece	7480 au						
2245-2300		All India Radio, Delhi	9705 as	9950 as	11620 as				
2245-2300		Vatican Radio	7305 au	9600 au	11830 au				
2300-2306		Radio Nigeria	4770 do	6050 do	9570 do				
2300-2307		Radio New Zealand Int'l	11735 va						
2300-2315		BBC World Service	5975 am	6175 na	9590 na	9915	11750 sa		
2300-2315		Vatican Radio	7305 au	9600 au	11830 au				
2300-2325	mtwhf	Radio Moldova Int'l	7520 eu						
2300-2330		Radio Australia	9660 va	11695 va	11855 va	12080	13755 va	15365 va	
			17795 va	17860					
2300-2330		Radio Canada Int'l	5960 na	9755 am	11940 am	13670	15305 am		
2300-2330		KSDA Guam	11775 as						
2300-2330		Swiss Radio Int'l	9905 eu						
2300-2330		BBC Asian Service	3915 as	5965 as	6035 as	6195	7110 as	9580 as	
			11945 as	11955	15380 as				
2300-2350		Deutsche Welle	5980 as	7235 as	9690 as				
2300-2350		Radio Pyongyang	11700 am	13650 am					
2300-2356		Radio Romania Int'l	5990 na	6155 na	9510 na	9570	11940 na		
2300-2400		Radio Bulgaria	7480 na	9435 na					
2300-2400		AWR Costa Rica	5030 am	6150 sa	7375 sa	9725	13750 na	15460 sa	
2300-2400		R. for Peace Int'l	7385 va	15050 va					
2300-2400		Croatian Radio, Zagreb	5895 va						
2300-2400		Radio Cairo	9900 am						
2300-2400		All India Radio, Delhi	9705 as	9950 as	11620 as				
2300-2400		Voice of Hope, Lebanon	9960 me						
2300-2400		Radio Liberia Int'l	5100 do						
2300-2400		RTM Radio 4, Malaysia	7295 do						
2300-2400		NBC Windhoek, Namibia	3270 af	3290 af					
2300-2400	smtwh	ZLXA New Zealand	3935 do						
2300-2400	f	ZLXA New Zealand	5960 do						
2300-2400		Nat'l BC, Papua NG	9520 do	9675 do	11880				
2300-2400		Voice of Russia	7105 na	7125 na	7310 na	7370	9665 na	9820 na	
			9830 na						
2300-2400		SBC Radio 1, Singapore	6155 do						
2300-2400	s a	SIBC Solomon Islands	5020 do						
2300-2400	a	SIBC Solomon Islands	9545 do						
2300-2400		KAIJ Dallas TX	13740 na	13815 na	15725 na				
2300-2400		VOA	7215 as	9705	9770 as	11760 as	15185 as	15290	
			15305 as	17735 as	17820 as				
2300-2400		WHRJ Noblesville IN	5745 va	9495 am					
2300-2400		WRNO New Orleans LA	7355 na						
2300-2400		WWCR Nashville TN	5070 na	7435 na	9475 na	13845			
2307-2400		Radio New Zealand Int'l	15115 va						
2315-2330		BBC English Teaching	6110 sa	9560 sa	9825 sa	11765	15390 sa		
2315-2330		BBC World Service	5975	6175 na	9590 na	9915 sa	11750		
2330-2345		BBC Asian Service	5965 as	6035 as	6195 as	7110	9580 as	11945 as	
			11955 as	15380					
2330-2345		BBC English Teaching	3915 as	6140 as					
2330-2355		R. Vlaanderen Int'l	9925 na	11690 sa					
2330-2355		Voice of Vietnam	5940 af	7270 af	7400 af	9840	15010 af		
2330-2400		Radio Australia	9660 va	11695 va	11855 va	12080	13605 va	13755 va	
			15365 va	17795	17860 va	17880 uf			
2330-2400		Radio Canada Int'l	5960 na	9755 am	13670 am				
2330-2400	s a	Radio Canada Int'l	11940 am	15305 am					
2330-2400	a	R. Nacional Colombia	4955 do	9655 am	11785 af				
2330-2400	mtwhf	KSDA Guam	11775 as						
2330-2400		Radio Netherlands	6020 na	6165 na	9845 na				
2330-2400		Sri Lanka B'casting Corp.	15425 am						
2330-2400		BBC World Service	5975 am	6175	9590 na	9915 sa	11750 sa		
2335-2345		Voice of Greece	9395 am	9425 am	9935 am	11595			
2345-2400		BBC Asian Service	5965 as	6035 as	6195 as	7110	9580 as	11945 as	
			11955 as	15380					
2345-2400	mtwhf	BBC Asian Service	3915 as						
2345-2400		BBC English Teaching	5875 am	6110 am	9825 sa	11765			

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