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NASA Notes

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

Here is some important news from Country List Chairman **Don Jensen** on behalf of the Country List Committee ("CLC"), which is a follow up from last month's report in the Journal: "The CLC has acted and approved the addition of Diego Garcia. NASWA members and others using the NASWA Country List should add a new country, under ASIA, **BRITISH INDIAN OCEAN TERRITORY**. And in the Gazetteer section of the list, add the following country and data, **BRITISH INDIAN OCEAN TERRITORY (AS) UK Overseas Dependency** formed in 1965, comprising islands of Chagos Archipelago since 1976; Station location: Diego Garcia (AFRTS transmissions activated August, 2000)." Thanks to dnj and the entire CLC (**Jerry Berg, John Bryant, David Clark, Harold Cones, John Fisher, and John Herkimer**) for staying on top of this matter.

The DX has been rolling in over the past few weeks. This DX season has the promise to be the best in many years. I can't wait to try my Drake R8B out at a DXpedition before too long. Please remember to report what you are hearing. Let's make the Log Report as useful as possible to as many members as possible. While you are at it, don't forget to contribute to other columns as well. That's what makes the club great—you!

Who says shortwave radio can't be beautiful? From **Adrian Peterson** we learn that the Guam Beautification Association recently presented a first place award for beautification in the category of churches and service organizations to Adventist World Radio Asia on Guam. This is the third time since 1995 that Guam has honored the AWR facility for beautification. In addition to a certificate of

award, the Guam Beautification Association gave the station a sign to display declaring it to be "The Best of the Best." Adventist World Radio Asia on Guam began broadcasting in March 1987, and currently airs more than 300 hours of programs each week on four 100 kilowatt transmitters in 26 languages to all of Asia.

Here are a couple of publication reminders. First, don't forget to order your copy of *Passport to World Band Radio*, 2001 edition. **Larry Magne** and the gang have put everything you need to know about when and where to hear the world; hour by hour, country by country and frequency by frequency in one handy reference book. *Passport* also includes candid, hard hitting reviews on shortwave portable and tabletop radios. There is a comprehensive station address section. *Passport*, which is the world's number one selling shortwave guide, has become an indispensable reference! Our friends at Universal Radio offer *Passport* for only US\$15.90 plus shipping. See the inside front cover for additional ordering information. Second, **Bob Padula's** Electronic DX Press <edxp@bigpond.com> announced the availability two new shortwave listening guides for the international transmission period B-2000, October 28, 2000 to March 31, 2001. *The Australian Shortwave Guide, Edition Number 10*, is 24 pages A4, which includes comprehensive information of shortwave transmissions in all languages beamed to Australia/Pacific, and for broadcasts in English to Asia, the Pacific, the Far East, Siberia, and the Indian subcontinent. *The Asia-Pacific Shortwave Guide, Edition Number 2*, is 28 pages A4. It features external service schedules in all languages of most

Our Motto is - "Unity and Friendship"

countries in Asia, the Far East, the Pacific, and the Indian subcontinent. Nearly 5000 entries! Prices for each guide are A\$10 within Australia; A\$15/US\$10/10 IRCs airmail outside of Australia. Orders with payment should be sent to Bob Padula, 404 Mont Albert Rd, Surrey Hills, Victoria 3127, Australia. Payment may be in cash in any currency (to yield the amounts stated in Australian dollars), Check, Australian mint stamps, Money Order, International Bank Draft, or IRCs (one IRC=A\$1.50). (Checks *must* be in Australian dollars and payable on Australian banks.) Finally, the Danish Shortwave Club

International's latest edition of the *Domestic Broadcasting Survey* ("DBS-2"), containing 44 A4 sized pages covering all domestic shortwave radio broadcasting in the 2,200 to 22,000 kHz frequency range, should be in every DXers shack. It is available for US\$10.00 or 14 International Reply Coupons ("IRCs") for paper and it is available in a disc edition for US\$5.00 or 7 IRCs. Orders can be placed with DSWCI Treasurer Bent Nielsen Egekrogen 14, DK-3500 Vaerloese, Denmark.

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



Musings

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

* **Maryanne Kehoe <atlsvo@webtv.net>**

I find the WebLog very useful, in the times I am "rushed" and have to put off my radio-related reading (not often!), I find that the most important items usually are mentioned on the Log, keeping me in the loop! I access it at least every other day, and I find it a very valuable resource!

I am surprised that no one has commented on it according to your article, it is something that everyone should read on the website!

73, Maryanne

FRENDX: Twenty Five Years Ago....

DXing According to NASWA was offered for sale for \$2.50 plus \$0.50 postage in North America. Compiled by Ed Shaw the book contained 7 chapters in 112 pages of useful information for the newcomer and veteran DXer. Due to the higher costs of printing in Liberty, Indiana dues in the club were raised by \$1.00. Larry Magne was scheduled to represent the club at the ITU conference in Washington, DC on October 21st. Don Jensen anticipated having a new country list available by early December. In Jerry Lineback's Shortwave Center, Richard E. Wood writes about summer reception in Europe while Brian Levy and Daniel McCarthy review the Realistic DX-160. In the QSL Report, editor Bill Oliver reports contributions from 47 members with 104 countries reported. In Glenn Hauser's Listeners Notebook a Sweden Calling DXers report is carried mentioning Mauritius will get a new 250 kW transmitter to operate 24 hours a day on 7200. GH noted "There goes another rarity." In the DX Hotline, Larry Perry notes that Reunion Island has discontinued shortwave operations.

Calendar Of Events

Nov 17 Meeting. Philadelphia Area NASWA Chapter. Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831.

Nov 17 Meeting. Boston Area NASWA Chapter. The Lexington Club, Rts. 4 & 225, Lexington, MA at 7:30 PM. The location is 1/4 mile west of Rt. 128, Exit 31. For more information contact Paul Graveline at 978-470-1971 or Internet: 74007.3434@compuserve.com. The URL for the BADX guys is <<http://www.anarc.org/naswa/badx/>>.

Dec 8 Meeting. The Cincinnati/Dayton Monitoring Exchange (MONIX) meet at the Lebanon Citizens National Bank on U.S. Route 42 in Mason at 7:00 PM. For more information contact Mark Meece at 513-743-8089 or e-mail at <mmeece@siscom.net>. For additional information about MONIX, check out their web site at <<http://www.siscom.net/~mmeece/monix.html>>

Mar 9-10 Convention. The 14th Annual Winter SWL Festival, sponsored by NASWA, will be held in Kulpsville, Pennsylvania (Exit 31 on the Northeast Extension of the Pennsylvania Turnpike). Richard Cuff and John Figliozzi co-chair the organizational committee. It's never too early to begin planning. See you there!

Mar '01 Contest. 2001 North American DX Championships. For further information you can send a self-addressed stamped envelope to 2001 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606. Rules will also be posted eventually at <<http://www.anarc.org/>>, and are published in the Awards column in the Journal.

Aug '01 Conference. The annual **EDXC Conference** is scheduled to be held from 24-27 August 2001 in Budapest, Hungary. All DXers, shortwave listeners, international broadcasters and other radio enthusiasts are cordially invited to attend. Additional information is available from risto.vahakainu@helsinki.fi.

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

Contribute!

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

N4946b

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

Easy Listening

Richard D. Cuff • 327 Springhouse Road, Apt. 102 • Allentown, PA 18104 • rdcuff@sprintmail.com

Radio Netherlands: Where were you when...

...you heard about the end of the **Media Network** radio program? Sadly, that was the most significant news of the past couple months. Dianna Janssen's departure for Internet/E-business consultant Forrester Research was the catalyst for the decision; Jonathan Marks no longer has the time to produce and host the program solo, and chose to end the series, rather than recruit or train another host.

The news of this development was unexpected; while Jonathan and crew at **Radio Netherlands** (RNW) expected to hear disappointment from the listening community, they were unpleasantly surprised at the vitriolic tone of some listener comments in Internet discussion groups. Some of these comments were picked up by the DX press and then propagated to a wider audience..

Shortwave enthusiasts have had to confront the gradual decline of shortwave as the exclusive means of delivering international broadcasts, and the pace of this decline doesn't seem to be abating. My own take on the sharpness of listener comment is that the comment represented pent-up frustration regarding this state of affairs, and the RNW decision became a symbolic "lightning rod" for listeners who long for the days when shortwave radio was the only way international broadcasters could reach other regions. Further, the increasing importance of "new media" in the overall portfolio of mass media renders shortwave DX specialists less relevant to a broadcaster seeking to establish dialogue with its audience.

Don't get me wrong—I am not trying to be an apologist for RNW's decisions. Rather, I seek to understand and interpret the actions of RNW and other broadcasters in

the greater context of program content and how that content then reflects broadcaster strategies.

In an editorial posted at the **Media Network** website, Andy Sennitt sought to reassure the faithful that shortwave, as a medium, was not disappearing soon:

*As Mark Twain put it, "the reports of my death are greatly exaggerated". No, I'm not alluding to **Media Network**, although I might well be. I'm thinking of the medium that seems to get so many people hot under the collar every time its future is discussed—good old shortwave.*

The remarks by Rory Maclachlan, Commercial Director of Merlin Communications, that "shortwave radio is actually experiencing resurgence" (Media Newsdesk 17 October) will be music to the ears of those who, because of their refusal to accept change and progress such as the Internet, are not able to read about it on this Web site. They will find out what Mr. Maclachlan said in a few weeks' time, which of course is their right.

But I suspect that a good proportion of you reading this will also be glad that someone from the industry has reiterated what those of us working in it have been saying all along—high frequency broadcasting still has a future.

*A surprising number of people who really ought to know better (after all, they claim to have been listening to **Media Network** for years) have equated the issue of producing a half hour radio show with Radio Netherlands' attitude to shortwave. That to me is as logical as saying that politicians are responsible for the weather. I am not even going to spend time rebutting such muddled reasoning. Suffice it to say that it's business as usual on shortwave, mediumwave, FM, cable, satellite, Internet and any other way you may use to receive Radio Netherlands.*

As we continue to fly the **Media Network** flag as an Internet production (not a Webcast), shortwave will be mentioned frequently, because it continues to be the major medium for the delivery of international radio programming. I do not expect that situation to change soon. But we will also be covering other technologies just as we have done in the past. **Media Network** is about the media as it really is, not as some would like it to be. If you want virtual reality, you're in the wrong place.

Media Network will be replaced in the RNW schedule, for now, by **Encore**, a rebroadcast of various features. No word yet as to how features would be chosen for rebroadcast, or if listeners can request a specific re-airing as the BBC tries to do with its **Pick of the World** feature.

The Seasons are a-changin'

Here in Eastern Pennsylvania we're well into autumn, and the late October time change will spawn a variety of schedule and programming changes. We will not provide information on frequency changes in this space, as there are plenty of other ways to find this information.

Germany

Deutsche Welle will be making the following changes: **Ticket to Europe** will take you on a weekly 15-minute journey through various European countries and regions. Europe may be growing closer together, politically and economically, but there are, of course, a lot of differences regarding traditions, culture and products that the various European countries are famous for. **Ticket to Europe** will offer an insight into some of the well known European regions but also into areas that are off the beaten track. Unfortunately, **Ticket to Europe** does not appear on the North American shortwave schedule, instead replacing **German History** and airing Tuesdays 0145, 0345, 0545, 0945, 1945, 2145; Wednesdays 1045, 1345, 1745;

Fridays 0045, 0245, 0645, 0845; Saturdays 0045; and, Sundays 0445 on the Deutsche Welle live webcast and the Europe shortwave service (0600-1900 airings).

Music Through the Ages is a weekly 30-minute classical music series. The history of music for string and wind instruments, keyboard and the voice results in a kaleidoscope of sounds from the Renaissance to modern times. The program puts the spotlight on various genres in an easy-to-follow way richly illustrated by music experts. **Music Through the Ages** replaces **Great Performances** in the schedule, and airs Tuesdays 0830, 1230, 1430, 1830; Wednesdays 0030; Thursdays 1330, 1530, 1730, and 2230 on the Deutsche Welle live webcast and the Europe shortwave service (0600-1900 airings).

Why Deutsche Welle chooses to repeat the 0100, 0300, and 0500 hours to North America instead of mixing in some of these other features is a mystery to me. When **Living In Europe** was highlighted as a new series this past spring, Deutsche Welle didn't provide much of a reason for excluding that program from the shortwave schedule.

Canada

Radio Canada International is also making noteworthy changes to its schedule to North America:

Weekday evenings (Tuesday-Saturday UTC), **Spectrum** is being replaced by **Canada Today**, a live one-hour current affairs program at 0200 UTC. On the weekend, **Canada Newsweek** and **Canada Review** air in this time block on UTC Sundays, and **Canada Review** and **The Mailbag** on UTC Mondays. Glenn Hauser, reporting in *swprograms*, mentioned that **Canada Today** will be produced live to allow for breaking news coverage.

Unfortunately, the weekend revamp means that **Roots and Wings**, **The Mystery Project**, and **Tapestry**, excellent domestic

CBC programs relayed by **RCI**, disappear from the shortwave schedule but would be expected to be available from webcasts of the domestic Radio One service. Overall, John Figliozzi and I calculate a weekday loss of two hours/day, and 1.5 hours on Saturday. The early morning broadcast previously consisting of *First Edition* is gone altogether.

Sweden

Nidia Hagstrom checks in from **Radio Sweden** with the following changes:

The S-files replaces *Horizon* (Science magazine) on the 4th Thursday of the month. Radio Sweden introduces it as "a closer look at the Sweden behind the headlines", that is its history, regional characteristics, geographical features.

Studio 49, which so far has been run literally once in a blue moon (when a month has 5 Saturdays) becomes a regular feature on the 4th Saturday of every month, from January next year. This is a studio chat show, focusing on ideas and long-term trends at the grassroots level.

Netherlands

In addition to the replacement of *Media Network*, *Sound Fountain* returns to the weekend schedule, replacing *Aural Tapestry*. One classy cultural program is replacing another, as I see it.

Great Britain

John Figliozzi has taken a look at the **BBC World Service** schedule and has generally good news: Most programs will shift one hour forward, measured in UTC, to stay the same in local time (except for those in eastern Indiana and Arizona who don't utilize Daylight Savings time). Weekdays, the only hours that do not change with respect to UTC are the hours from 1200 to 1600. The 1700 programs from the summer schedule move to 1600. Considering how confusing prior schedule changes have been, I don't think we can complain too much.

Czech Republic

No changes are planned right now, but **Radio Prague** is expecting to launch some new programming around January 1st, 2001.

Australia

This isn't a seasonal change per se, but **Radio Australia** has launched a new education series, *Lines Of Communication*, replacing *Globally Speaking*. From an ABC press release forwarded by the aforementioned Mr. Figliozzi,

Beginning with the premise that communication is fundamental to the human condition, Lines of Communication surveys the broad-scale theories and practices which have come to define the burgeoning discipline. The series provides thirteen perspectives of the main arms of inquiry—from organizational communication, to the cultural studies underpinning media production and consumption.

Lines of Communication acknowledges the force of media and communication studies, while casting a critical eye over their development and reach. The series provides a much needed sustained exploration which will be of use to students across the board, and will introduce and interpret important concepts of our times for the general listener.

Listeners in Western North America can likely hear the program Fridays 1830, Sundays 2130. Listeners in eastern North America can try Saturdays 0530 and Sundays 0030 as well. The program series is archived at the **ABC** website (<http://www.abc.net.au/comms/lines/default.htm>) for on-demand listening, as well.

Other Programming Highlights

Radio Netherlands

Radio Netherlands *Documentaries* air Thursdays 0000 and 0500 UTC, and 0030 Fridays. Upcoming features include:

November 9th and 10th: *Climate Change and Health*—The Research File's Anne Blair Gould reports ahead of the latest Climate Change Conference.

November 16th and 17th: *Nuclear Power in Europe*—Nuclear power was initially hailed as the "clean energy" alternative to the environmental damage of fossil fuels. That claim is still made by nuclear supporters, but highly disputed by environmentalists. As the World Climate Change Conference gets under way in The Hague (Nov 13–24), Jonathan Groubert compares the experience of three European countries.

November 23rd and 24th: *Forty Years of The Pill*—When you talk about The Pill, there's only one it can be: the female birth control pill. It has been hailed as "the single most defining invention of the 20th century", the miracle that made possible the sixties sexual revolution and women's liberation. But the pill has also raised health scares and social controversy throughout its 40-year history. Laura Durnford looks at the impact of the pill and the issues still surrounding its use.

November 30th and December 1st: *Another Farewell, Mourning & Grieving in Zimbabwe*—The rising death toll of AIDS isn't just another statistic in Southern Africa. Its impact touches every part of life there. For the week of International AIDS Day (December 1st), Eric Beauchemin looks at how traditions around funerals, the rituals of farewell, and even the mourning process itself are changing in Zimbabwe.

December 7th and 8th: *The Rural Renaissance*—One of the charms of small-town America is supposed to be the sleepy quality of life... but some small-town residents are waking up to a struggle for survival. Their traditional industries are fading away, while the benefits of a technology-driven society are passing them by. Ann-Marie Michel visits one such town, Tifton, Georgia, that's trying to break the mold. It's a rural pocket of activism where the local government is taking a scientific approach to shaping the town's future.

United Nations Radio

The UN is back on shortwave; from the *Media Network* webzine, as relayed by Michael Terry at *swprograms*, **United Nations Radio** airs a daily 15-minute program, formatted as follows: Five minutes of world news, a three minute in-depth report on one of the main items in the news, and two three-minute features targeted to various geographical regions and focusing on issues including gender, environment, health and development. The most likely broadcast audible in North America is a daily 1730 UTC broadcast from Merlin Communications facilities at Woofferton beamed to East Central Africa. Additional weekly programs, *Perspective* and *Scope*, are archived for on-demand listening at the **UN Radio** (<http://www.un.org/av/radio/>) and **World Radio Network** (<http://www.wrn.org>) websites.

Great Britain

The BBC finally has their monthly magazine highlighting **BBC World Service** programming, organized in a useful way, with the program highlights linked to air dates and times for each of the program streams. In their old format, it often took two or three steps to link up program information with air times; now, all this information is in one place, and it's much handier to use. You can contact the *On Air* team at the usual BBC web or snail mail addresses to subscribe. *On Air* isn't cheap; 12 monthly issues will set you back \$24. New subscribers receive 15 issues for the price of 12.

As for program highlights, my top suggestion is *What Rubbish?*, a three-part series airing in the *One Planet* block Fridays 0205 beginning November 27th, and repeated Mondays 1605. What do various societies throw away, what happens to that rubbish, and what should we doing about it in the future?

That's all we can fit this month; until next month,

73 DE Richard



Shortwave Center

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

Two Database Applications Worth A Look: ILG and FineWare

By Jerry Berg (August 2000)

International Listening Guide (ILG)

From time to time in DX items we see references to the ILG database (Bernd Friedewald d/b/a ILGRadio Software). Often, however, these are from outside North America, where ILG seems to be better known. I recently spent some time looking at the ILG program.

The ILGRadio "database" is actually a collection of different databases: SW database, MW and LW database, language-specific SW databases, FM databases, and apparently a radio station address database (which may be no longer available). All of these can be found at the ILG website <<http://www.ilgradio.com/ilgradio.htm>> ILG says that the main releases are available on the last Sunday in March and October when most countries change to/from DST, and that "main updates" can be downloaded from the first Sunday in March, May, September and January. The databases are available free to "amateurs," but you have to register to access and download them. You can register on the ILG homepage, after which ILG sends you an E-mail with a User Name and Password (this may take a few days). You then return to the website and download the files.

The main SW database (ilgsdata.zip) contains a wealth of information. ILG says that the SW database covers 2,000 stations in 171 countries. Assuming you are using the GNPDB viewer (see below), the information available for each entry is as follows: frequency, station, station name abbreviation, location, country, ITU country code, region, longitude and latitude, status of the station

and status of the data, power, broadcast start and end times and days of the week, language, CIRAF zone, target area and zone, azimuth, program names (service), program structure, modulation and remarks.

For SW, the specific databases you should download depend on the software you plan to use to view the data. The ILG databases are viewable in four ways.

(1) One is via the ILG viewer, ILGRadio Software v. 9.0A, available on the ILG website. To those who are used to a Windows environment, the ILG software will appear quite primitive. It is an MS-DOS design and uses a very old fashioned interface. If you are going to use this viewer, look under "Short Wave Radio Data Files" on the ILG website and download the main SW file, ilgsdata.zip (which is in dBASE IV format; other formats are also available). Also download the language-specific files listed under "Language Radio Data Files." (If I understand correctly, the data in the language files is also included in the ilgsdata.zip file, but to access the language data via the ILG viewer you also need the separate language files.)

(2) A better viewer is the GNPDB viewer v. 1.31 produced by Gerd Niephaus and downloadable free via a link on the ILG website. This is a very nice, Windows-based product (it requires Windows 95, 98 or NT), and is definitely preferable to the ILG design. If you use the GNPDB viewer you need download only the ilgsdata.zip file, not the others. I don't know how accurate the ILG database is, but it sure looks pretty in the GNPDB viewer.

(3) A third alternative is the new Radio Listener's Database from Mark Fine, which

he is presently offering free in beta form at his website (see below). As with the GNPDB viewer, the RLDB requires only the ilgsdata.zip file. More on the RLDB below.

(4) Finally, you can view the files via a standard database program, such as Excel or Approach. I found that, viewed in Approach, the data is nowhere near as visibly pleasing, or as understandable, as in GNPDB.

The GNPDB viewer permits you to do the things you normally associate with a database application: sort and filter, customize the order and width of the columns, and find a specific record (by station name, frequency, etc.). One of the nice features of the ILG database is that it includes inactive stations, so marked. (The FineWare program, described below, does as well.) This is useful for historical purposes and for assessing unidentified stations. The time in UTC is displayed in the status bar, and stations which are transmitting at the time you use the viewer are marked with a red rectangle. The GNPDB viewer also permits receiver control of the Ten-Tec RX-320 receiver.

Some fine print on the GNPDB viewer: Your version of Windows must be equipped with Microsoft DAO (Data Access Objects). The necessary files for DAO compatibility are available for free downloading via the GNPDB link and they install easily. However, proper operation of DAO apparently requires v. 4.70 or later of the Windows COMCTL32.dll file. I think mine is an earlier version, which may be why, whenever I close the viewer, I am told that the program has performed an illegal operation. However, one click removes the message, and it doesn't affect anything else. It's a small price to pay for this useful resource.

Radio Listener's Database (RLDB)

RLDB is a new addition to the respected FineWare product line. Basically it is a viewer for five widely available station databases: the FineWare SWBC Schedules database (separate subscription [\$35 per year] required), the High Frequency Coordinating Committee (HFCC) database (free, see [\[www.hfcc.org\]\(http://www.hfcc.org\)\), the ILGRadio database \(described above; free, but User Name and Password still required\), and Werner Funkenhauser's WHAMLOG AM and WHAM FM databases \(free, see <http://home.inforamp.net/~funk/about.html> each SW database may be displayed in various ways: all the data, or data selected by country, station, or frequency. The FineWare SWBC Schedules can also be viewed by selected programming information \(useful for program listeners\). The databases may also be filtered by the current time, displaying all current broadcasts.](http://</p></div><div data-bbox=)

An outstanding feature of RLDB is that each of the databases may be updated at any time at the click of a button—the program searches the FineWare, HFCC, ILGRadio or WHAM sites for the latest updates. It is also planned that the program will provide receiver control for various popular Drake, ICOM, Kenwood, Ten-Tec, Yaesu and AOR receivers.

The program is designed for Windows 95, 98 and NT, and it has a nice interface. A pre-release beta version is available free at the FineWare website <<http://www.fineware-swl.com/rldb.html>> (Some functions are not yet completely operational.)

While it is too early to know precisely how the final version of this product will turn out, it looks very promising. Understandably, there are still some bugs to be worked out in the beta version, and because the "Help" screens are not yet operative it is difficult to fully assess all of the features. In using it on my computer I find that it takes about 25 seconds to load and view the HFCC database, and 45 seconds to load and view the ILG database, when I first open the application. In general, the GNPDB software is faster and simpler in its overall approach. However, the FineWare program in its finished incarnation is going to be impressive, and the convenience of having multiple, quickly updatable databases at your fingertips is an easy thing to want.

Make room for both of these applications on your hard drive.

The Influence of the Internet on DX Clubs

By Anker Petersen, Danish Short Wave Club
(Lecture given at the 6th National Mexican DX Meeting, 6 August 2000)

My name is Anker Petersen and I came from Denmark in Northern Europe to attend this National Mexican DX Meeting in Oaxaca. I have been active DXer since 1957 and my main interest is to listen to domestic broadcasting stations in the tropical bands: 60, 90 and 120 metres.

I also attended the 4th National DX Meeting in Tehuacan two years ago and I am very happy to be able here to meet so many good friends again.

Throughout these two years I have stayed in contact with some of you via **electronic mail** on the Internet. That already brings me to one of the important aspects of my lecture which is titled: The influence of the Internet on DX clubs.

I am Chairman of the Danish Shortwave Club International which is 43 years old, so I hope you will permit me to use our experiences with the Internet when talking on this subject. We have about 350 members who live in 42 countries in all continents of the world. During all these years we have published a monthly club magazine in English, called Shortwave News (SWN). Thus we are without doubt the DX club with printed magazine with the most worldwide coverage.

With the introduction of the Internet, we began around 1993 to **correspond via electronic mail** with each other within the Board and Editorial Staff, and also with our members around the world. Since this is both cheaper and much faster than ordinary mail via the Post Office, this way of communication has expanded greatly especially during the past couple of years and we rarely any longer use telephone or telefax or send letters to each other.

Our Chief Editor receives nearly all the pages from his subeditors as attachments to e-

mail, and since they are in digital form, it is much easier for him to put them into the magazine in the right layout.

In the beginning of 1996 the DSWCI began to use the Internet to publish **weekly electronic DX newsletters** to our members. We called it the "DX Window" and it contained the best DX loggings and news on shortwave broadcasting which the members sent us via e-mail.

It was free of charge and was distributed to all subscribers as electronic mail. It soon became a big success, because our members received the hot DX information while the stations still could be heard and several non-members soon joined as subscribers and sent us their loggings and news.

The bulletin expanded quickly, so we had to appoint a Chief Editor and some subeditors who as specialists could take care of their specific regions of the world (Latin America, Africa Indonesia, etcetera). It took many hours to edit and distribute each DX Window, so we had to share the burden by shifting the responsibilities between two or three DXers from week to week. Since the Internet is global, it was not a problem for us to have editors in Denmark, Germany, the Netherlands, Austria, United Kingdom, Taiwan and Honduras! That worked just perfect! For more than a year our Chief editor was doing his job from Taiwan receiving inputs from his co-editors in Europe and Honduras!

Today there are several similar weekly or monthly electronic DX newsletters available free of charge on the Internet. Some of them even issue extraordinary bulletins, if something special happens. Let me mention some of them which are all edited, before they are sent out as e-mail to those DXers who have asked for them:

- ¶ *Cumbre DX*, USA (which is also broadcast on certain shortwave stations)
- ¶ *DX Listening Digest* edited by Glenn Hauser, USA (also broadcast on SW)

- ¶ *Numero Uno* by Gerry Dexter, USA
- ¶ *Conexión Digital* by Nicolas Eramo, ARG with news from some of the best DXers in LAm.
- ¶ *Boletín Banda Tropical* by Jorge García, Venezuela
- ¶ *Chasqui DX* by Pedro Arrunategui, Peru
- ¶ *Noticias DX* by two DX clubs in Spain with Pedro Sedano as coordinator
- ¶ *Broadcast DX* by Wolfgang Bueschel, Germany
- ¶ *Jembatan* by Juichi Yamada, Japan concentrating on Indonesian stations
- ¶ *Relampago DX* by Takayuki Inoue Nozaki, Japan concentrating on stations in the Andes.

An even more advanced kind of distributing hot DX information as e-mail via the Internet is the daily **electronic DX newsletters**. I am aware of two existing nowadays:

Hard-Core-DX issued by the Finnish DXer Risto Kotalampi from his home in California. It has more than 500 subscribers around the world and is the biggest of its kind.

Electronic DX Press issued by Bob Padula in Australia which is just two months old in this format.

In both cases, when a DXer sends an e-mail with hot DX news to a given address, it is immediately forwarded automatically to all subscribers without editing by the owner of the network. Thus every subscriber anywhere in the world gets the DX news within minutes after it was sent from the sending DXer.

The second aspect of getting DX information from the Internet is by searching or browsing the millions of **home pages on the World Wide Web**. In this case, the information is not sent to the individual DXer as e-mail, but he has to find it himself e.g. by using the browser programmes from Netscape or Internet Explorer. The information is still free of charge, but he has to stay longer on the Internet to get it, thus the telephone bill (in some countries) will be higher than when receiving e-mail.

Most of the bigger international and domestic broadcasting stations have their own home pages, and you are often able to find

their current frequency schedules and programme schedules there.

Many DX clubs also have their own home pages which contain a lot of information relevant for DXers. The home page of the Danish Shortwave Club International has this URL (Uniform Resource Locator): <http://www.dswci.dk/> A few other useful websites are:

The European DX Council:

Cumbre DX:

Links to radiostations around the world:

Latin American Music Styles:

Clandestine Radio:

Interval signals:

Actual Grey Line Map:

Solar Terrestrial Activity Report:

The third aspect of the Internet, I will mention, is **Real Audio**. By using advanced technology, the broadcasting stations nowadays are able to transmit their radio programmes via the Internet. If the owner of a personal computer has the software required, he or she will be able to hear the radioprogramme in good quality directly in the loudspeakers of the computer, even if it comes from the opposite side of the Earth.

Many hundred, maybe more than a thousand broadcasting stations in all continents can be heard via Real Audio today. Some Shortwave Listeners prefer this instead of hearing the stations on shortwave with all its disturbances. But remember again that the telephone bill will be high as you pay for every second being on the Internet.

Several international broadcasters have even reduced their shortwave broadcasts for instance towards Western Europe, because they can be heard better nowadays via Real Audio or Satellite which often are distributed through our cable networks with perfect quality.

This spring, when I edited the second edition of the Domestic Broadcasting Survey, I

made some observations which I wish to share with you concerning the still downgoing trend in the number of active frequencies of Domestic Broadcasting Stations in the Shortwave Bands between 2200 and 5800 kHz.

During the period 1973-1997 452 stations out of 1136 being on the air in 1973 disappeared from these SW bands or an average of 19 closing down per year. But in 1997-2000 the decrease has drastically increased to 212 stations or 71 per year!

There are still some 472 Domestic Broadcasting Stations to hunt for on the Tropical Bands and at the same time interfering broadcast and utility stations are disappearing. So do not give up your DXing on the Tropical Bands!

But pessimistic views indicate that most Domestic Broadcasting Stations on the Tropical Bands may have closed down by year 2007!

The biggest decrease in the number of stations using the Tropical SW Bands during the last three years was noted throughout Asia and in Southern Africa. The main reason for this is that FM networks are still growing in most parts of the world and replacing the need for shortwave transmitters. Today, the majority of Domestic shortwave transmitters can be found in developing countries with vast areas where it still is too expensive to establish a network of FM stations that can cover the whole country.

I have just given you a quick introduction to what the Internet today offers to the DXer who have access to that from a personal computer at home or at work, or at a library or a Cybernet office.

It is evident that the Internet as a new media is able to provide DXers with useful information much faster than the printed DX bulletins.

But the Internet also offers so many other challenges to the user like surfing on the home pages or playing games, that he or she easily may find this more interesting than the traditional hobby of DXing.

Let me now speak about the core of the subject of my lesson:

The influence of the Internet on DX Clubs

At the annual Conference of the European DX Council which took place in Copenhagen, Denmark last November, the European DX Club Representatives discussed this issue, but did not reach any conclusions. The question was raised: "Is there still a need for all the national and local DX clubs in Europe, and for the European DX Council itself?" Somebody suggested that the clubs merge across the borders to be able still to publish printed DX bulletins.

I will use our experiences in the Danish Shortwave Club International as an example, but the situation is similar in many other DX clubs in the world.

First the **failing interest for shortwave listening**, especially amongst young people who are more attracted by the Internet and other challenges.

During the last several years, the DSWCI did loose about 25 members per year, but two years ago we lost 35 and last year it was 49. This is a serious development, so in April this year we issued a questionnaire to our members in order to analyze the situation. 75 members in 20 countries have answered the questionnaire, and I will now give you the results of that:

Those who answered had a span of age from 27 to 87 years. The average age was 52 while it was 49 at our survey two years ago. 95% of our members are above 30 years of age and 81% above 40. This again confirms that it is very difficult to attract younger people to our hobby.

Today 76% of our members have **access to the Internet**. Two years ago it was only 38%. It is fantastic to note that this number has doubled in just two years!

However, this new media gives us much competition. First of all, it can offer so much information from all parts of the world and much entertainment, that the DX hobby with all its disturbances becomes much less attractive.

Secondly, the time a DXer spends in front of his computer cannot be spent in front of his DX receiver. Thus in most cases, **less time is devoted to DXing.**

Thirdly, DX clubs are competing on the Internet to bring the hot DX News, and several do that free of charge. For some DXers this is sufficient for their DXing, and **they drop club membership.** Particularly our treasurer has noted the effect and we had a big deficit in our club economy 1999!

Our monthly magazine, Shortwave News, normally had 32 pages, but this year we have had to reduce every second edition to 16 pages in order to save printing and postage costs. You might ask: "Why do not cease issuing printed bulletins and just send out an electronic version? That would save a lot of money to printing and postage!"

Unfortunately, it is not that simple. 24 % of our members have no access to the Internet and that equals to 82 paying members. We cannot just neglect them by ceasing printing SWN and only publish it via the Internet. Furthermore 11% have only limited access to the Internet.

In the questionnaire we asked them to mention their preferences on how the club shall provide them DX information in the future. 37 % of our members prefer a considerable increase in membership fee in order to get a SWN of about 32 pages 12 times a year, but most will accept a mix of hot news via the Internet and some kind of a reduction in the publication of SWN. However, in their letters many warned us that publication of SWN only every third month would be too rare. It is remarkable that even amongst those with full access to the Internet two thirds still want to receive the printed SWN. On the other hand, 19% wish to receive SWN only via the Internet for a lower membership fee and not in printed form.

About half of our members wish to receive a weekly newsbulletin via the Internet (like the DX-Window) in order to get the DX news before they get too old.

About half of our members also wish to be kept informed about new addresses of radio related homepages. This would be most relevant to publish on our home pages.

As a consequence of these results of our survey, the DSWCI Annual General Meeting in May decided to **put all pages of "Shortwave News" on our home pages on the World Wide Web.** Our members will then get a personal username and password, and then be able to read our members' bulletin via the Internet.

A special, reduced membership fee is now introduced for those members who just want to get SWN electronically via our homepage and not in printed version.

Conclusions:

- 1) Electronic mail is replacing letters sent via the ordinary postal services.
- 2) Electronic mail is the fastest way to distribute DX information. In extreme cases, you can get the e-mail while the new station is still broadcasting.
- 3) Digital editing of DX bulletins is much easier than using the typewriter.
- 4) Most radiostations and DX clubs have their own home pages on the Internet.
- 5) Many radiostations broadcast in Real Audio via the Internet which makes Shortwave broadcasting old fashioned.
- 6) Generally, the DX information on the Internet is free of charge.
- 7) Most European DXers have access to the Internet.
- 8) A majority of these DXers spend more time in front of their Personal Computer and less time in front of their DX receiver.
- 9) Several DXers find the free DX information available on the Internet sufficient for their personal DXing and they quit paying membership in a DX club.



The initial K9AY design used the same coax cable that is used to send the signal to the receiver to control the relay switching. Experimenters found that the unfiltered DC voltage tended to induce hum modulation on the received signals. The Wellbrook design uses a separate control cable to prevent this problem.

Wellbrook also found that they can optimize the front to back ratio by allowing the operator to control the termination resistor value in real time. I do not know specifically how Wellbrook implemented this feature and I do not have a unit to dissect. My guess is they use a light-sensitive device and a small lamp. Varying the current through the lamp will vary the brightness of the lamp and change the resistance of the light sensitive device. The elevation angle of the rear null is sensitive to the termination value and the optimum angle changes depending upon the distance to the interfering station. Distant stations will normally arrive at lower elevation angles.

The K9AY antenna uses a 50 Ohm, user-supplied, coaxial feeder cable without an antenna tuner. Low noise performance is enhanced because there is no antenna return path to power line ground. The user is also required to provide a 12 volt DC power supply for the relays and to power the variable termination and preamplifier.

The K9AY antenna dimensions shown in Figure 5 provide good performance up to about 2 MHz. Above this frequency non-directional short wave reception is possible and will provide far lower noise performance (similar to the T2FD) than an equivalent length Longwire antenna. If one wants to experiment, one could scale down the dimensions of the loops. Smaller loops will allow the directional characteristics to be preserved at higher frequencies. Smaller size will also cause a corresponding loss of efficiency that should be made up by using a low noise, high gain pre-amp like the one sold by Kiwa for short wave use.

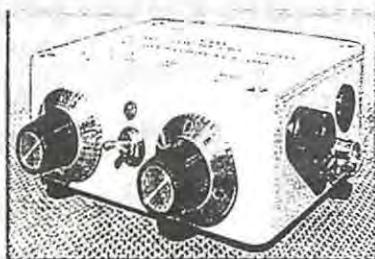



Figure 6: Two views of the Wellbrook control unit. The control unit enables the operator to select the beam direction, energize the preamplifier, and optimize the null from the comfort of your listening post.

There are some new designs that are being played with by radio amateurs to eliminate the ground system efficiency issue. So far I do not have a good theoretical explanation of how these antennas work. Once I figure it out and get a release from the researchers, I hope to publish details on these new designs here in Technical Topics.

My thanks to the folks at Wellbrook Communications for the permission they extended to use material from their web site. To learn more about the K9AY system and other Wellbrook products for SWLs check out their web site at <http://www.wellbrook.uk.com/K9AY.html>. Until next time stay tuned. 

Adrian Peterson's Diary

Dr. Adrian M. Peterson • Box 29235 • Indianapolis, IN 46229

Radio Broadcasting in Portuguese Goa

The one-time Portuguese colony of Goa lies on the western coast of India, nearly half way from Bombay to the southern tip of the peninsula. This small territory was settled by the Portuguese in the year 1510 and was re-incorporated into India in December 1961.

Goa is a fascinating place to visit, with its extended miles of wide ocean beaches, its varied coastal and inland scenery, and its tropical and sub-tropical fruits. To this day, Goa still exudes a subtle evidence of its earlier European culture, with its Latin style church architecture, its European style of dress, its Portuguese Konkani music, and the occasional usage of the Portuguese language.

On many occasions I have visited favored Goa. I have swum at its beaches, I have jogged the entire 65 mile coastline, I have shopped in its exotic bazaars, I have eaten in its restaurants, and I have visited its radio stations.

It was back on May 28, 1946 that the first experimental radio broadcasts went on the air in old Goa. This radio program service was radiated from a 500 watt transmitter operated by the Post & Telegraph Office. It was on the air for only a short period of time.

A regular broadcasting service was inaugurated in 1949 using a temporary 1 kw. shortwave transmitter in Panjim, the small capital city. This unit was located at the radio studios of what became Emissora de Goa, on a hill overlooking the city. The current studios and offices of All India Radio in Goa

incorporated the older studio buildings at the same site.

During the following year an additional 2.5 kw. mediumwave transmitter was installed at the studio location, and a country transmitter base was constructed some 6 miles from Panjim. Over a period of time, two shortwave transmitters and one mediumwave were installed at this country location.

During the year 1961 a 50 kw. shortwave transmitter was installed, and this unit made test broadcasts on three different channels, beamed towards Africa, the Persian Gulf, and the Far East.



EMISSORA DE GOA

N.º: 462/N
Pm. n.º

num. n.º 152/60

22 th October 1960.

Jerry Berg
42 Dover Road
West Hartford 7
Connecticut
U.S.A.

Dear Sir,

We received your Reception Report dated 17 September on 17.03M Kilo, and we have pleasure in verifying that your log of times and entertainment received is correct. Please accept our thanks for your interest in this station's activities.

Yours faithfully,

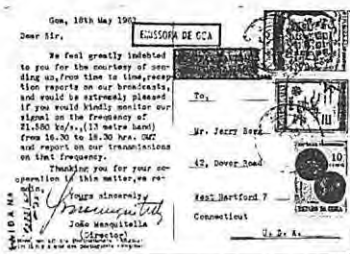
(João Mesquita)
The Director

Mr. BA
Pm. LA
Em. n.º

With the changing winds of fortune, Emissora de Goa finally left the air and closed down forever at 8:00 am on December 18, 1961. Less than two months later, All India Radio came on the air from the same studios, though with only one transmitter, the 5 kw. mediumwave unit on 880 kHz.

It should be remembered that the first broadcasts in Southern Asia of the familiar AWR program, "Voice of Prophecy," went on the air from station CR8AA, the old Emissora de Goa, in the year 1950. The half hour broadcasts of the English language "Voice of Prophecy" were on the air from Goa for two years, though this programming was subsequently

transferred to the Commercial Service of Radio Ceylon in Colombo.



So what happened to Emissora de Goa, R. Goa afterwards? Well, the studios and offices on the hill overlooking Panjim have been rebuilt twice and are in use today by All India Radio. There is a new shortwave base

out in the country containing two transmitters at 250 kw. which are in use for the General Overseas Service of All India Radio. And what about the old radio base out in the country? I visited this location many years ago, and all that was left at that time was some wreckage from one of the old buildings and lots of overgrown grass.

Radio Pakistan, Lahore

It was back in the year 1968, that we as a family were transferred from Perth in Western Australia to Lahore in Pakistan. Soon after our arrival at our new location, I received a letter from an international radio monitor in the United States enquiring about the small shortwave station operated by Radio Pakistan in Lahore.


I checked my radio files, and noted that I had received several QSL cards for different outlets of Radio Pakistan, and that each card listed a shortwave transmitter in Lahore under the callsign APL3. The *World Radio TV Handbook* also listed APL3 in Lahore, as a 1 kw shortwave unit on the air on 21 different channels, though most of these were never used.

Now, it so happened, that the transmitter base for Radio Pakistan Lahore on mediumwave was located on Multan Road, just half a mile from Adventpura, the estate where we were living. On one occasion, my Pakistani assistant and I drove down to the station and we were given a cordial welcome and a friendly guided tour. I saw the small shortwave transmitter, now off the air. I was

told that there was little need for a low powered shortwave transmitter in the Lahore area, and that there were no plans to reactivate it.

Just last year, when I made a nostalgic return visit to Pakistan, I revisited the transmitter site on Multan Road, only to discover that the entire station is gone, transferred to another location. The whole area is now a modern housing estate.

The history of Radio Pakistan Lahore, shortwave APL3, is very interesting. It would appear that this transmitter was at first on the air shortwave in Karachi under the callsign APK2. It was transferred to Lahore around 1950 and it was in service in Lahore as APL3 until about 1967. Programming was always on relay from the network of Radio Pakistan, usually from the local mediumwave station. Very few QSL cards were ever issued for this small regional shortwave unit.

Thus the historic shortwave transmitter, 1 kw APL3, was long ago discarded, and the property is now a housing estate. 

Listener's Notebook

Al Quaglieri • P.O. Box 888 • Albany, NY 12201-0888 • FAX: (518) 453-0864 • al@alcue.com

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ALBANIA B-00 schedule of *Radio Tirana*:

0000-0430	Albanian	6090 7270
0130-0145	English	6115 7160
0330-0400	English	6115 7160
0400-0800	Albanian	6100
0800-0900	Albanian	6100 7110
0900-1000	Albanian	7110 9760
1000-1100	Albanian	7110 7150 9760
1100-1400	Albanian	7150 9760
1400-1500	Albanian	7150
1500-1800	Albanian	5985 7270
1715-1730	English	7210 9510
1730-1800	Italian	6100 7240
1800-1815	Turkish	6100 7260
1815-1830	Greek	6100 7260
1830-1900	German	7185 9570
2000-2030	French	7210 9520
2215-2230	Serbian	6135 7110
2230-2300	English	7130 9540

(Ivanov & Datzinov-BUL, Oct 8/BC-DX/Bueschel-GER)

ARMENIA *Voice of Armenia* foreign service schedule seems to be:

0145-0200	Spanish	9965
0715-0800	Armenian	15270
0800-0920	French	4810 15270 Su
0820-0940	German	4810 15270 Su
0840-0900	English	4810 15270 Su
1500-1530	Armenian	4810
1815-1835	French	4810 9965 Mo-Sa
1835-1855	German	4810 9965 Mo-Sa
1855-1915	English	4810 9965 Mo-Sa

(Pankov-BUL, Sep 26 + Hishikawa-BUL, Oct 1/BC-DX/Bueschel-GER)

AUSTRALIA *Christian Voice* 21680 testing via Darwin, RA former transmitters, 2352-0200 with tone tests confirmed with Mike Edmiston of Christian Voice. Also gave 17775 as the probably the freq next to test, soon tests Mon-Fri. (Wright-AUS, Cum-bre Oct 11/BC-DX/Bueschel-GER) Christian Voice will be continuing site tests and test transmissions from Darwin into the B-00 season as follows:

0000-0200	9875 13780 15165 17645 21680
0200-0500	9865 13780 15185 17645 21680
0500-0530	9865 15185 17645 21680

Power 250 kW and 300 kW (Andrew Flynn, Head of Engineering, via Ivanov & Datzinov-BUL, Oct 18/BC-DX/Bueschel-GER)

BELGIUM *Radio Vlaanderen Internationaal*

Web Site: <http://www.rvi.be>

0400-0430	English	11985b
0430-0500	Dutch	11985b
0600-0700	Dutch	5985 9925
0700-0800	Dutch	5985 9925
0800-0830	English	5985j
0800-0900	Dutch	9925 11700
0830-1200	Dutch	1512
0900-1000	Dutch	9925 13750
1100-1200	Dutch	17650 21630 Su
1130-1200	English	9865pk
1200-1230	Dutch	9865pk 9925 13650j 17685t 21630
1230-1300	English	9925
1400-1700	Dutch	9925 13710 Su (sport)
1700-1730	Dutch	5910 9925
1730-1745	French	5910
1745-1800	German	5910
1800-1830	Dutch	5910 9925
1830-1900	English	5910 9925 13710j
1900-2000	Dutch	5910 9925* 13645m 13710j 15520j
2000-2100	Dutch	9925 Sa (sport)
2100-2200	Dutch	5910 9925
2230-2300	English	13660b
2300-2330	Dutch	13660b

*=carries sport on Saturday

b-Bonaire (Netherlands Antilles)

j-Juelich (Germany)

m-Madagascar

pk-Petropavlosk-Kamchatskiy (Russia)

t-Tashkent (BBCM)

BULGARIA Winter schedule of *Radio Bulgaria*:

Website: <http://www.nationalradio.bg>

0000-0100	English	7400 9400
0000-0100	Russian	7500
0000-0100	Spanish	5900 9500
0100-0200	Albanian	5900 7400 9400 9500
0200-0300	Spanish	5900 7500 9500
0200-0300	French	7400 9400
0300-0400	English	7400 9400
0400-0500	Albanian	5900 6000 7500
0500-0530	Greek	7300 Mo-Fr
0500-0600	Greek	7300 Sa/Su
0530-0600	Albanian	7300 Mo-Fr
0530-0600	Turkish	6000 7400 Mo-Fr
0600-0645	German	7200 9400
0600-0700	Serbian	7300 Mo-Fr

0600-0700	Turkish	6000 7400 Sa-Su
0700-0800	Albanian	7300 Sa/Su
0700-0800	French	12000 13600
0800-0900	Serbian	7300 Sa/Su
1100-1130	Albanian	12000 13600
1100-1200	German	15700 17500
1200-1300	English	15700 17500
1300-1500	Albanian	12000 15700
1500-1600	Russian	7500 9900 11900
1600-1645	Albanian	7500 9400 9900 17500
1600-1645	Serbian	7300
1645-1700	Albanian	7300 7500 9400 9900 17500
1700-1730	Albanian	7300 7500 9900
1700-1800	Spanish	11900 13800
1715-1800	German	7200 9400
1730-1800	Albanian	7500 9900
1730-1815	Greek	7300
1800-1900	Russian	7500 9900
1800-1900	French	7200 9400
1815-1900	Turkish	7400
1900-1945	German	7200 9400
1900-2000	Albanian	6000 7300 7400
2000-2045	Albanian	6000 7300 7400
2000-2100	English	7200 7500
2045-2100	Albanian	7300 7400
2045-2130	Greek	6000
2100-2200	French	7200 7500
2130-2215	Serbian	6000
2200-2300	Spanish	5900 9500
2200-2300	English	7200 7500

(Radio Bulgaria "Observer"/Ivanov & Datzinov-BUL, Oct 15/BC-DX/Bueschel-GER)

CANADA Radio Canada International

0000-0100	French	13640 11865
0100-0200	Spanish	9755 9535 11865 Su/Mo
0130-0200	Spanish	9755 9535 11865 Tu-Sa
0200-0300	English	9535 9755 11865 15260&XI 17860&XI
0330-0400	Arabic	6025WE 9615WE
0430-0500	Arabic	7200WE 11830WE
0500-0600	English	9760VI 11850ME 11905SK
0600-0630	English	6045VI 6150SK 9780SK
0630-0700	French	6045VI 6150SK 9780SK
0700-0800	French	11710WE 11910WO 15170WE 15440WO
1200-1300	French- CBC	11855 15425
1200-1300	English- CBC	6150YA 11730YA
1300-1330	Chinese	6150YA 9810KI 11955YA
1300-1600	English- CBC	9640 13655 17710
1430-1500	Chinese	9560YA 9670KI 7235YA
1600-1700	Russian	9555WO 11935SK 13650RM
1700-1800	French	17820 21565
1700-1800	Ukrainian	9555WO 11935SK 13650RM
1800-1900	Russian	7235SK 11915WO
1800-1900	English	11720VI 13640MD
1900-2000	Ukrainian	7235SK 9805WO

1900-2000	French	13740SK 15325ME
2000-2100	French	5995SK 7235SK 9770 9805SK 11730 13650
2100-2130	Arabic	11945 15325
2100-2200	English	5995SK 7235SK 9770 9805SK 13650
2200-2300	English- CBC	11705YA
2200-2300	Russian	7385IR 9680KI
2300-0100	English- CBC	5960 9755 Sa/Su
2300-2330	English- CBC	5960 6040 9535 9755 11865 Mo-Fr
2300-2330	Chinese	9680YA 11705YA 13735SN
2300-2400	Spanish	6040 9535 11865 Sa/Su
2330-0100	English- CBC	5960 9755 Mo-Fr
2330-2400	Spanish	6040 9535 11865 Mo-Fr

IR=Irkutsk, Siberia

KI=Kimjae, Korea

MD=Madagascar

ME=Meyerton, South Africa

RM=Rampisham, England

SI=Sines, Portugal

SK=Skelton, England

SN=Singapore

VI=Vienna, Austria

WE=Wertachtal, Germany

WO=Wooferton, England

XI=Xian, China

YA=Yamata, Japan

(RCI, Bill Westenhaver-CAN, Oct 24/BC-DX/Bueschel-GER)

6130 **CHNX** has reactivated after several months off the air due to transmitter problems. According to station engineer Mark Olson, "We are transmitting at only 40 Watts into a G5RV antenna at an elevation of 40 feet. The transmitting site is located in Rockingham, a suburb of Halifax and is 550 feet above sea level." (Olson via Johnson Oct 25/Cumbre DX)

CHILE Radio Voz Cristiana Web Site: <http://www.vozcristiana.com>

0000-0100	Spanish	6070 11745 15375 21550
0100-1100	Spanish	6070 11690 11745 15375
1100-1200	Spanish	6070 11690 15375 21500
1200-1300	Spanish	9635 11690 15375 21500
1300-1400	Spanish	9635 15375 21500 21550
1400-2100	Spanish	9635 17680 21500 21550
2100-2200	Spanish	9635 11745 17680 21550
2200-2359	Spanish	6070 11745 17680 21550

(BBCM)

CLANDESTINE—ASIA Falun Dafa Radio, or World Falun Dafa Radio (Mandarin: Shijie Falun Dafa Diantai) began broadcasting on 1st July 2000. Programmes are said to be produced by Falun Gong members in the United States. The Falun Gong

movement says that its radio station aims "to broadcast information about the movement and clarify facts about the Falun Gong issue to people in the Chinese mainland." All frequencies are highly variable and subject to jamming Web Site: www.falundafaradio.org

1400-1500	Mandarin	9370-v(9350-9380)
2200-2300	Mandarin	12140-v(12120-12150)
		13580-v(13575-13590)
		15680-v(15670-15700)

(BBCM) 12150 Falun Dafa Radio *2200 Concluding test tone and s/on with slow, clear ID of "Shijie Falun Dafa diaantai" by woman and man, then into talk by woman. Quite strong, with low audio that gradually faded up to reasonable level; loud, motor-like jamming began at 2203. BBCM says there are 19- and 22-meter parallels, but I couldn't find either one. (Hill-MA, Sept. 30)

Radio Voice of Jammu and Kashmir Freedom (Urdu: "Yeh Radio Sada-e Hurriyat-e Jammu wa Kashmir Hai") is opposed to Indian control of part of Kashmir. It may also be known as Voice of Independent Kashmir or Voice of Kashmir Freedom. The radio is believed to operate from Pakistan or Pakistani-administered Kashmir. It announces a post office box address in Muzaffarabad, Azad Kashmir.

0230-0400	Urdu	5990v
0745-0845	Urdu	7230v
1300-1430	Urdu	5101.1v

Daily English commentary from 1420-1425 (BBCM)

CLANDESTINE—MIDEAST Radio Iran of Tomorrow, formerly known as Radio Tomorrow's Iran (Persian: Radio-ye Iran-e Farda) was first observed by BBC Monitoring on 7th December 1998 with what was announced as a test transmission. Although it has not yet been heard to announce its affiliation, the radio describes itself as "the voice of all of Iran's national and free thinking forces" and says that it supports "the struggle of clerics and religious forces who wish to see the separation of religion and government." Its web site gives a US-based fax number. It is believed to broadcast via hired transmission facilities in Tajikistan or Moldova. Web Site: <http://www.ri-ot.com>

1800-1830	Persian	5830-Dushanbe
1830-1900	Persian	12055-KCH/Moldova

(BBCM + Ivanov & Datzinov-BUL/BC-DX/Bueschel-GER)

Voice of Kurdistan Tilters is heard here *0148-0300 on 4250 kHz with fair signal. Noted in Sep almost daily. (R. Petraitis-LTU Sep 19, in CRW/BC-DX/Bueschel-GER)

Voice of the Iraqi People in Arabic heard on Oct 1st also in the morning*0300-0344 on 5894v and on 3900v. (R. Petraitis-LTU Oct 1, in CRW/BC-DX/Bueschel-GER)

Voice of the People of Iraq in Arabic observed every day: v1730-1850v on NF 5892.0, // 3900.7. (Bulg Radio "Observer" Ivanov & Datzinov, Oct 1/BC-DX/Bueschel-GER)

Voice of the People - Voice of the Iraqi Communist Party is broadcasting on the new freq of 5894 in the morning *0400 and the evenings *1730, // 3900 they are asking for RRs. (Zeidan-EGY, Cumbre Oct 14/BC-DX/Bueschel-GER)

COSTA RICA Here are **Radio For Peace International's (RFPI)** ITU registrations, pending QRM complaints:

5920*	0230-1100	3kW
6970*	0200-1100	10kW
7480	0000-0800	30kW
15065	2000-0200	10kW
21815	1200-0200	3kW

* Alternate frequency (RFPI/Hauser-OK)

CROATIA Radio Croatia ended shortwave relays from Juelich on October 1. (Padula- AUS/EDXP) It's probable the Deanovec, Zagreb site will remain active per the schedule:

0400-0800	Croatian	6165 7365 9830 13830
0800-1500	Croatian	6165 7185 7365 9830 13830
1500-1730	Croatian	6165 7365 9830 13830
1730-2100	Croatian	6165 13830

(Ludwig-GER + Green-UK/BC-DX/Bueschel-GER)

CUBA Radio Rebelde, schedule has been compiled entirely from monitoring observations. All programs in Spanish. Web Site: <http://www2.ceniai.inf.cu/RRebelde/>

Web Site: <http://www2.cuba.cu/noticias/rebelde/Dominical/CHE/che3.htm#1>

0000-1000	5025
1000-1300	5025 6140 9600
1300-2400	5025

(BBCM)

CZECH REPUBLIC Radio Prague, current schedule data:

0000-0027	Spanish	7345 11615
0030-0057	Czech	7345 11615
0100-0127	English	6200 7345
0130-0157	Spanish	6200 7345
0200-0227	English	6200 7345
0230-0257	Czech	6200 7345
0300-0327	Spanish	6200 7345 7385-WRMI
0330-0357	Czech	7345 7385-WRMI 9435
0400-0427	English	7345 7385-WRMI 9435
0430-0457	English	9865 11600
0500-0527	Russian	5915* 6055 11600
0700-0727	French	5930 7345
0730-0757	German	5930 7345
0800-0827	English	11600 15255
0830-0857	Spanish	11600 15255
0900-0927	French	11600 15255

0930-0957	Czech	15255 21745
1000-1029	English	21745
1030-1057	Czech	21745
1100-1127	German	7345 9880
1130-1157	English	11640 21745
1200-1227	Czech	11640 21745
1230-1257	Russian	6055 17495* 21745
1300-1329	German	6055 7345
1330-1357	Czech	6055 7345
1400-1429	English	21745
1430-1457	Czech	21745
1500-1527	Spanish	11600 13580
1530-1557	Russian	5915* 11990 13580
1600-1627	German	5930
1630-1657	Czech	5930 17485
1700-1727	English	5930 17485
1730-1757	French	5930 17485
1800-1827	English	5930 7315
1830-1857	Czech	5930 7315
1900-1927	Spanish	5930 9430
1930-1957	French	5930 9430
2000-2027	Spanish	5930 9430
2030-2057	Czech	5930 9430
2100-2127	English	5930 9430
2130-2157	Spanish	5930 9435
2200-2227	Czech	5930 9435
2230-2257	English	7345 9435
2300-2327	French	7345 9435
2330-2357	English	7345 9435

* via Rimavska Sobota-Slovakia (Radio Prague/Ludwig-Ger/BC-DX/Bueschel-GER)

DENMARK B00 schedule of *Radio Denmark*, all in Danish, alle via Radio Norway:

0030-0055	9935 9945
0130-0155	7465 7495 9945
0230-0255	7465 7490 9590
0330-0355	7465 7485 9945
0430-0455	7465 7485 9945
0530-0555	5965 7485
0630-0655	5965 7180 9590 13800
0730-0755	7180 9590
0830-0855	15705 18950
0930-0955	15705 18950 21725
1030-1055	13800 21725
1130-1155	13800 21760
1230-1255	13800 15735 18910 18950
1330-1355	9590 13800 18910 18950
1430-1455	15705 18950
1530-1555	13800 15705 15735
1630-1655	9590 13800 18950
1730-1755	7485 9985 15705 18950
1830-1855	5960 9985 13800 18950
1930-1955	7485 13800 15705
2030-2055	7465 7485
2130-2155	7465 7485
2230-2255	9415 9480
2330-2355	7465 9480 9580 9945

WWW: <<http://www.dr.dk/rdk>> (R Denmark, via Erik Koie via BC-DX #484, 21 Sep 2000/WWDXC/Ku-biak-GER)

ECUADOR Japanese lang broadcasts from *HCJB* Quito, will end on Dec 31, due to the retirement of the directors, Kazuo and Hisako Ozaki, after over 36 years of ministry with the station. Japanese 1130-1200 is now using new 9730. (Yamada-JPN + Graham-HCJB/Padula-AUS/EDXP/DXLD/BC-DX/Bueschel-GER)

HCJB B00 broadcast schedule:

0000-0100	Spanish	11960 15140
0000-0300	Quichua	3220 6080
0000-0700	English	9745 11840 21455
0030-0100	French	9635
0100-0500	Spanish	11960 15140
0330-0430	Russian	9775
0430-0500	Japanese	11940
0500-0515	Kikongo	15140 Mo-Fr
0530-0600	Czech	9765 Tu/We/Th/Sa/Su
0530-0600	Slovak	9765 Mo/Fr
0600-0630	German	9765
0630-0700	French	9765
0700-0730	Spanish	9765
0700-0900	English	9780 11755 21455
0800-0930	Portuguese	9745
0830-1000	Quichua	3220 6080 9765
0900-1100	Spanish	11960
0900-1100	English	11755 21455
0930-1000	German	11980
1000-1400	Quichua	3220 6080
1030-1100	Huarani	6050
1100-1300	Spanish	6050 11960 15140
1100-1530	English	12005 15115 21455
1130-1200	Japanese	9730
1300-1500	Spanish	6050 11960 15140 17670
1500-1800	Portuguese	15295
1500-2100	Spanish	6050 11960
1530-1630	English	12005 15115
1700-1715	Tajik	11760R
1700-1715	Tatar	11760R
1700-1715	Bashkir	11760R
1700-1715	Uzbek	11760R
1715-1730	Georgian	11760R
1715-1815	Russian	11760R
1730-1815	Russian	11760R
1815-1830	Ukrainian	11760R
1900-1930	French	17795 21470
1900-2200	English	17660
1930-2000	Czech	15550 17795 Tu/We/Th/Sa/Su
1930-2000	Slovak	15550 17795 Mo/Fr
2000-2030	French	15550 17795
2030-2100	Japanese	15550 17795
2100-2130	Quichua	3220 6080
2100-2130	German	11965 15550
2100-2130	Spanish	6050 11960 15140
2100-2230	Arabic	9745R
2100-2300	Spanish	15140
2130-0000	Quichua	3220 6080 9745
2130-2230	Spanish	6050 11960 11965 14150 15550
2200-2300	Japanese	11680 21455

2230-2300	Spanish	6050	11960	15140	1325-1629	VOH	15715
2300-0230	Portuguese	11920			1355-1615	SRI-SOT+	17670
2300-2400	Spanish	6050	11960	15140 21455	1455-1900	DWL	6140
2300-2400	German	11980			1500-1659	TOM	13810
R=via Rampisham, UK (BC-DX #485, 28 Sep 2000/ WWDXC/Kubiak-GER)					1500-1716	RTB	17570 Su-Fr
GEORGIA Radio Republic Abkhazia from					1600-1629	UNL	15105 Su
Sukhoumi complete schedule appears to be:					1600-1645	TWR	7260 Sa
0400-0500	Abkhazian	9489.75			1600-1716	RTB	17570 Sa
1100-1130	??	9489.75 Sa			1600-1800	AWR	9875
1400-1413v	Russian	9489.75 Mo-Fr			1625-1815	SRI	15220
1400-1430	Abkhazian	9489.75			1625-1815	SRI-SOT+	21720
1400-1600	Abkhazian	9489.75 Sa			1625-1815	SRI	17640
1945-2000	??	9489.75			1630-1645	TWR	7260 Su/Fr
(Pankov-BUL + Petraitis-LTU/BC-DX/Bueschel-GER)					1630-1659	UNL	6015 Tu-Th
GERMANY A-00 DTK Juelich operational schedule					1700-2100	VOH	13820
0000-0100	LRT	9855			1725-1930	SRI	6110
0000-2400	ARD DLR+	6005			1727-1856	VRT	13710
0000-2400	ARD DLF+	6190			1730-1759	UNL	6015 Sa
0025-0545	SRI-SOT+	9885			1757-1856	DWL(VRT)	17590
0100-0129	UNL	9435			1800-1829	UNL	11840 Su
0100-0259	HIC	9925			1800-1900	AWR	17660 Su/Tu/Th
0300-0400	AWR	5840			1825-2130	SRI	15220 17580
0300-0459	RTB	9490 Mo-Fr			1825-2130	SRI-SOT+	13770
0300-0459	HIC	9925			1830-1859	RRP	11735 Th
0355-0630	SRI	9610			1857-1956	DWL(VRT)	5960
0430-0459	RTB	9490 Sa/Su			2000-2059	HIC	11805
0500-0659	HIC	9470			2000-2100	AWR	15560
0500-0712	RTB	17580 Mo-Fr			2030-2125	RNW+	15315 21590
0500-0806	RTB	17580 Su			2100-2330	AWR	9745
0500-0959	RTB	17580 Sa			2130-2200	AWR	15560
0555-0815	SRI-SOT+	21750			2155-2400	SRI-SOT+	9885
0555-0815	SRI	15545 17685			2300-0059	HIC	9925
0600-1455	DWL	6140			2330-2400	DVB	9495
0645-0820	TWR	6045 Sa			+ active on demand		
0645-0850	TWR	6045 Su			AWR	Adventist World Radio	
0655-0820	TWR	6045 Mo-Fr			CHW	Christliche Wissenschaft	
0700-0859	HIC	13820			DVB	Democratic Voice of Burma	
0700-0930	AWR	15620			DWL	Deutsche Welle	
0700-1059	VOH	5975			DLF	Deutschlandfunk	
0700-1200	VOH	21590			DLR	DeutschlandRadio	
0800-0900	AWR	11970 Sa/Su			EVR	Evangeliums Radio Hamburg	
0825-1030	SRI-SOT+	13685			HIC	Hrvatska Informativni Centar	
0858-1000	EVR	6045			LRT	Radio Vilnius Lithuania	
0900-0959	CHW	5985 Su			RNW	Radio Netherlands World Service	
0900-0959	CHW	5985 Su			RRP	Radio Reveil Paroles de Vie	
0955-1230	SRI	15315			RTB	Radio Television Belge de la communaute Francaise	
1000-1117	RTB	21565 Sa			SRI	Swiss Radio International	
1000-1206	RTB	21565 Mo-Fr			TBC	Tamil Broadcasting Corporation	
1027-1225	DWL(RNW)	6045			TOM	The Overcomer Broadcast	
1055-1330	SRI-SOT+	21770			TWR	Trans World Radio	
1100-1117	RTB	21565 Su			UNL	Universelles Leben	
1200-1559	VOH	21460			VOH	High Adventure Ministries—The Voice of Hope (ex HAM)	
1230-1245	TWR	9490 Mo-Fr			VRT	Vlaamse Radio en Televisie (ex RVI)	
1230-1300	TWR	9490 Sa/Su			(DTK Juelich, Sep 28/BC-DX/Bueschel-GER)		
1230-1329	TBC	21590			GUAM Winter schedule of KTWR Guam:		
1245-1345	DVB	17750			0730-0915	English	15200 Sa/Su
1300-1430	DWL	9650			0740-0915	English	15200 Mo-Fr
1300-1659	TOM	6110					

0800-0930	English	15330 Sa/Su	0730-0800	Serbian	6025
0800-1000	English	15330 Mo-Fr	0800-0830	Slovakian	6025
0915-0930	Balinese	9865	0830-0900	Rumanian	6025
0915-1100	Madures	15200	0900-1100	Hungarian	6025
0920-1100	Mandarin	9540	1100-1200	Hungarian	6025 21560
0920-1130	Mandarin	11670	1200-1300	Hungarian	6025 21560 Su
0930-1000	Pidgin	15330 Sa/Su	1200-1430	Hungarian	6025 Fr
0930-1100	Mandarin	9865	1200-1530	Hungarian	6025 Sa
1100-1130	Mandarin	9555	1200-1530	Hungarian	6025 Mo-Th
1100-1230	Indonesian	15165	1300-1400	German	6025 7295 Su
1130-1200	Vietnamese	9430	1400-1500	Hungarian	6025 Su
1130-1230	Mandarin	15445	1430-1530	German	6025 Fr
1130-1515	Mandarin	9820	1500-1530	German	6025 Su
1200-1230	Javanese	15540	1530-1600	Russian	6025 9840
1200-1300	Japanese	9465	1600-1630	Croatian	6025
1230-1300	Hakka	15290	1630-1700	Rumanian	6025
1230-1400	Mandarin	15360	1700-1730	Ukrainian	3975 6025
1300-1330	Mandarin	9870 11610	1730-1800	Slovakian	6025
1300-1345	Burmese	13685 Mo-Fr	1800-1830	Serbian	6025 Mo-Sa
1300-1400	Burmese	13685 Sa/Su	1800-1900	German	3975 6025 Su
1330-1345	Boro	15545 We-Su	1830-1900	German	3975 6025 Mo-Sa
1330-1345	Assamese	15545 Mo/Tu	1900-2000	Hungarian	3975 6025 9695
1330-1400	Boro	15545	2000-2030	English	6025 7135
1330-1445	Swatow	9870	2030-2100	German	3975 6025 Mo-Sa
1345-1400	Santali	15545	2030-2100	Serbian	6025 Su
1400-1415	Bengali	15545 Mo/Tu	2100-2200	Hungarian	3975 6025
1400-1415	Tamil	15545 We-Su	2200-2230	English	6025
1400-1445	Cantonese	9870 (Sun -1500)	2200-2300	Hungarian	9820
1400-1515	Mandarin	9545	2230-2300	English	3975
1430-1500	Vietnamese	9430	2300-2400	Hungarian	9580 11990
1430-1630	English	15330			
2100-2200	Japanese	11690			
2100-2200	Korean	9465			
2100-2230	Indonesian	15195			
2200-2215	Cantonese	11875 Sa			
2200-2245	Cantonese	11875 Mo-Fr			
2200-2300	Cantonese	11875 Su			
2200-2315	Mandarin	11995			

(Biener-GER, Oct 15/BC-DX/Bueschel-GER)

GUYANA GBC reactivated on 3289.74, August 20 at 0230-0345+, English DJ chatter, local pops, some US pops by *Nsync and others. ID as V. of Guyana, mentions of GBC Radio; fair. Also heard at 0650 check (Brian Alexander, PA/DX LISTENING DIGEST/Hausen-OK)

HUNGARY Radio Budapest B-00 schedule til Mar 25, 2001:

0000-0100	Hungarian	9580 11990 Mo
0100-0200	Hungarian	9835
0200-0230	English	9835
0230-0330	Hungarian	9835
0330-0400	English	9835
0400-0430	Russian	3975 6025
0430-0500	Ukrainian	3975 6025
0500-0530	Rumanian	3975 6025
0530-0600	Croatian	3975 6025
0600-0630	Slovakian	6025
0630-0700	Serbian	6025
0700-0730	Croatian	6025

0730-0800	Serbian	6025
0800-0830	Slovakian	6025
0830-0900	Rumanian	6025
0900-1100	Hungarian	6025
1100-1200	Hungarian	6025 21560
1200-1300	Hungarian	6025 21560 Su
1200-1430	Hungarian	6025 Fr
1200-1530	Hungarian	6025 Sa
1200-1530	Hungarian	6025 Mo-Th
1300-1400	German	6025 7295 Su
1400-1500	Hungarian	6025 Su
1430-1530	German	6025 Fr
1500-1530	German	6025 Su
1530-1600	Russian	6025 9840
1600-1630	Croatian	6025
1630-1700	Rumanian	6025
1700-1730	Ukrainian	3975 6025
1730-1800	Slovakian	6025
1800-1830	Serbian	6025 Mo-Sa
1800-1900	German	3975 6025 Su
1830-1900	German	3975 6025 Mo-Sa
1900-2000	Hungarian	3975 6025 9695
2000-2030	English	6025 7135
2030-2100	German	3975 6025 Mo-Sa
2030-2100	Serbian	6025 Su
2100-2200	Hungarian	3975 6025
2200-2230	English	6025
2200-2300	Hungarian	9820
2230-2300	English	3975
2300-2400	Hungarian	9580 11990

(RB via Andreas Volk-D, Oct 18/BC-DX/Bueschel-GER)

ICELAND News broadcasts of the Icelandic State Broadcasting Corporation (*Ríkisutvarpið* Reykjavik) via the Icelandic Coast Radio Station (Reykjavik-Radio/TFA) are aired on the following new freqs:

1215-1300	13865U
1410-1440	13860U
1755-1830	11402U
1835-1905	13860U
2300-2330	11402U

At the end of the broadcasts on Sats and Suns there is a special summary of news from the ending week. (Reykjavik Radio/Trutenau-LTU, Oct 1/BC-DX/Bueschel-GER)

INDIA During the past few days *AIR Calcutta* is using 4825 (instead of 4820) at 0025-0215 and 1230-1741. 4820 is completely occupied by strong CNR all the years. (Dasgupta-IND, Oct 16/BC-DX/Bueschel-GER)

INDONESIA 3214.8 *RRI Manado* (p), 1209-1226*. Jakarta news relay. Suddenly finished at 1226. Reactivated? (Oct 9, Yamada-JPN/Jembatan DX)

3987.2 *RRI Manokwari*, 1032-1358*. At last confirmed ID. Music and talk program. Jakarta news relay at 1200 and 1300. Local news was heard at 1058 (station clock 2 minutes fast). ID was heard at

1058 as "Radio Republik Indonesia Manokwari." (Oct 8, Yamada-JPN/Jembatan DX)

11860.0 **RRI Jakarta**, Cimanggis, 2225-2305. Islamic religious talk then Islamic music, local pops. SCI at 2257 and followed to Warta Berita. Heard underneath CPBS. (Oct 6, Yamada- JPN/Jembatan DX)

RRI Biak became inactive in the beginning of October. (Yamada-JPN/Jembatan DX)

We received news that a new 1 kW shortwave transmitter has been put into operation at **RRI Sorong** to operate on 9745 kHz. Although this might be a hard catch, we would be pleased to hear it if someone is able to receive it. (Ludo Maes, info@transmitter.org)

IRAN Winter B-00 schedule of *The Voice of The Islamic Republic of Iran (VOIROI)*:

0000-0630	Persian	15084
0030-0130	Bengali	6005 6085 6185
0030-0130	English	6065 6135 9022
0030-0130	Spanish	6020 9515 9650
0100-0230	Tajik	5950
0100-0330	Azeri	6150
0130-0230	Urdu	6005 6190 7210
0130-0230	Spanish	6020 6135 9515 9650
0130-0230	Kazakh	7180 7255
0130-0400	Persian	7275
0200-0300	Turkish	7145
0230-0300	Hindi	15165 17700
0230-0300	Uzbek	5950
0230-0330	Spanish	6065
0230-0330	Pashto	6015 9525 9605
0230-0430	Arabic	7155 9640
0230-0630	Arabic	9895
0230-1630	Arabic	15545
0300-0330	Armenian	7295
0300-0430	Dari	6160
0330-0430	Arabic*	7250 9610
0330-0430	Swahili	13640 15125 15260
		15595
0330-0530	Azeri	11720
0330-0530	Arabic	13670
0330-0530	Arabic**	6145 7100 7295 9535
0430-0500	Ebri	9830 11985
0430-0600	Turkish	15260 15365
0430-1630	Arabic	15125
0530-0630	Bosnian	15235 17680 17890
0530-0630	Hausa	17600 21645 21810
0530-0630	Spanish	17590 17785
0630-0730	French	17590 21645 21775
0630-0730	Italian	9022 15084 17560 17605
0630-0730	Albanian	15235 17680
0730-0830	German	15084 21775
0730-1200	Persian	15084
0930-1000	Armenian	9615 9885 15260
0930-1230	Arabic	17550 21460 21545
1000-1100	Swahili	17570 17780
1030-1100	Persian	15115
1030-1130	Persian	17785

1030-1200	Persian	13695
1030-1530	Arabic	13675
1100-1230	English	15185 15385 15585
		21470 21730
1200-1300	Italian	15084 15275 17600
1230-1330	Pashto	7165 9790 11870 13770
1230-1330	Malay	15200 15585 17555
		17685
1300-1330	Japanese	9650 9885
1300-1400	Kazakh	11750 13755 15300
1300-2400	Persian	15084
1330-1430	Urdu	7145 7270 9500 9665
		9890 11775 13730
1330-1430	Chinese	9810 9880 11670 11950
		13645
1330-1500	Dari	7180
1330-2130	Arabic	9860
1400-1500	Russian	9575 9735 11660 11930
1430-1500	Urdu	7145 9500 9665 11775
		11950 13730
1430-1530	Bengali	5990 7135 9825 13750
1430-1530	Pashto	7270
1500-1530	Hindi	7145 11775 11875 13635
1500-1600	Uzbek	5955
1530-1630	Russian	7165 7200 7230 9740
		9755 9880 11675
1530-1630	English	7115 9635 11775
1530-1730	Urdu	7270
1600-1730	Tajik	5955
1600-1730	Turkish	7105 9022 9640
1630-1730	Armenian	6185 7230 9515
1630-1730	Pashto	6015 6140 7140 7195
		7255
1630-1830	Azeri	6160
1630-2130	Arabic	6020 6065 6200 13800
1730-1830	Persian	9765
1730-1830	German	61807295 9022 9500
1730-1830	Russian	6035 7115 7205 7230
		7305
1730-1830	Bosnian	6100 7260 9610 9675
1730-1830	Swahili	9595 11745
1830-0230	Arabic	7115
1830-1930	Albanian	6100 7165 7190 9610
1830-1930	French	6180 7135 7295 9022
		9535 9755
1900-1930	Ebri	7175 7255
1930-2000	Italian	7190 7295 9615
1930-2030	Russian	6045 7100 9740 9790
1930-2030	English	6110 7215 9022
1930-2030	Hausa	11880 15315
1930-2030	Arabic*	6020 6065 6200 7115
		9860 13800
2030-2130	Persian	9775
2030-2130	Spanish	6005 9022
2030-2130	Albanian	6100 9715
2030-2130	Persian	7105
2100-2130	Japanese	6150 7180
2130-0130	Arabic	6020 11710
2130-0230	Arabic	6065
2130-2230	English	9780 11740
2130-2230	Bosnian	6100 6160 7235 9022

2230-2330	Tajik	3975
2230-2330	Hausa	9022
2330-0030	Chinese	7130 7215 9635
2330-0030	French	6135 7260 9022
2330-0230	Arabic	5970 7225

* Voice of Islamic Palestinian Revolution

** Voice of Islamic Revolution of Iraq

(Ivanov & Datzinov-BUL, Oct 21/BC-DX/Bueschel-GER)

ISRAEL 2442.2v *Galei Zahal*: Heard regularly here evenings since Sep 16. Originally thought to be a spur, now I believe it's a genuine transmission on this freq, as in my 1974 WRTH, 2442 is listed under Galei Zahal as Tel Aviv with 1 kW. So this may be an old transmitter reactivated. (Pennington-UK, BDXC-UK, NU Oct 15/BC-DX/Bueschel-GER)

Galei Zahal Radio in Hebrew noted on Oct 19, 20 and 21: 1600-0700 (time vary) on NF 6983- 6986 (x2442v) 0700-1600 (time vary) on 15783-15786 (Ivanov & Datzinov Oct 21/BC-DX/Bueschel-GER)

KENYA *Kenya Broadcasting Corporation (KBC)* all shortwave operation is erratic

Web Site: <http://www.kbc.co.ke>

0200-2110	English	4935
0200-2110	Swahili	6150 7140
0900-1905	Multi*	4885 Mo-Fr

* (incl. 0900-1100 Burji, 1100-1300 Rendille, 1300-1500 Borana, 1500-1700 Turkana, 1700-1900 Soma-li) (BBCM)

KOREA—SOUTH *Radio Korea International*. Some broadcasts are relayed via Radio Canada International's facilities at Sackville (marked "c") and the Merlin Communications' transmitters in the UK ("u") and Singapore ("s")

Web Site: <http://rkikbscokr/>

0000-0100	Korean	5975 15575
0000-0100	Japanese	11810
0100-0200	Spanish	11810 15575
0100-0200	Korean	7275 11725
0200-0300	English	7275 11725 11810 15575
0300-0400	Korean	7275 11725 11810 15575
0700-0800	Korean	7550 9535-u 9570
0800-0900	Japanese	5975 7275 9640
0800-0900	English	9570 13670
0900-1000	Korean	7550
0900-1100	Korean	5975 7275 9570 13670
1000-1030	Spanish	11715-c
1000-1100	Korean	1170
1000-1100	Spanish	7550 9580
1030-1100	English	11715-c
1100-1130	Korean	6145-c 9580 9640 9650-c
1100-1200	Russian	5975 6135 7275
1130-1200	English	9650
1130-1230	Mandarin	6065
1200-1300	Indonesian	9570 9640 13670

1200-1300	Japanese	1170 5975 6135
1200-1300	Korean	7285
1300-1400	Mandarin	1170 5975 6135 7285
1300-1400	English	9570 9640 13670
1400-1500	Indonesian	9570 13670
1400-1500	Japanese	5975 7275
1500-1600	Russian	9515
1600-1700	Arabic	7275 7550
1600-1700	English	5975 9515 9870
1600-1700	Spanish	6150
1600-1700	Russian	15575
1700-1800	French	7275 9515 9870
1700-1900	Korean	5975 7550 15575
1800-1900	Spanish	9515 9870
1800-1900	Russian	15360-u
1800-1900	German	6480 7275
1900-2000	Arabic	6480 7550 9515 15575
1900-2000	Russian	7105
1900-2000	English	5975 7275
1900-2000	French	6145-u 9870
2000-2100	Russian	5975
2000-2100	Spanish	6480 7275 9870
2000-2100	German	6145-u 7550 15575
2100-2130	English	3970-u 6480
2100-2200	Arabic	9870
2100-2200	English	15575
2100-2300	Korean	9640
2200-2300	Indonesian	7275 9640-s
2300-2359	Korean	15575
2300-2359	Mandarin	5975 7275 9640

(BBCM)

KUWAIT *Radio Kuwait*

Web Site: <http://www.radiokuwait.org>

Web Site: <http://www.radiokuwait.com>

Web Site: <http://www.moinfo.gov.kw/KBS/index.html>

0000-0200	Arabic	11675
0200-0400	Arabic	6055 11675 15495
0400-0530	Arabic	6055 11675 15495 15505
0500-0800	English	15110
0530-0740	Arabic	6055 15495 15505
0740-0800	Arabic	6055 15495
0800-0900	Arabic	6055 15110 15495
0800-1000	Persian	9750
0900-0925	Arabic	6055 15110 15495 17885
0925-0930	Arabic	6055 15495
0930-1015	Arabic	6055 13620 15495
1000-1200	Tagalog	17885
1015-1210	Arabic	6055 13620 15495 15505
1210-1305	Arabic	6055 13620 15495 15505
		17885
1305-1315	Arabic	13620 15505 17885
1315-1505	Arabic	9880 13620 15110 15505
		17885
1505-1605	Arabic	9880 13620 15110 15505
1600-1800	Urdu	15110
1605-1615	Arabic	9880 15505
1615-1740	Arabic	9880 11990 15505

1740-1800	Arabic	9880 11990
1800-1815	Arabic	9880 15495 15505
1800-2100	English	11990
1815-2130	Arabic	9855 9880 15495 15505
2130-2200	Arabic	9855 15495
2200-2300	Arabic	9855 11675 15495

(BBCM)

MALI *China Radio International* schedule scheme of Bamako 50 kW transmitter site:

0830-0857	Hausa	7170
1100-1157	Cantonese	7170
1400-1457	English	15125 13685
1500-1557	English	15125 13685
1600-1657	Arabic	15125 17880
1700-1727	Swahili	11970 15125
1730-1757	Hausa	9890 11970
1800-1827	Hausa	9890 11970
1830-1927	Arabic	13685 15530
1930-1957	Portuguese	11975 15530
2000-2057	English	11975 15500
2100-2127	English	11975 15500
2130-2227	French	11975 15500
2230-2257	Cantonese	11975 15500
2300-2357	Cantonese	7170 11975

(CRI/ConDig/BC-DX/Bueschel-GER)

MALTA *Voice of the Mediterranean* B00 Schedule, all from Italian sites except as indicated:

0500-0600	Japanese?	17570-Khabarovsk
0600-0630	Italian	6010 Mo-Sa
0630-0700	Arabic	6010 Mo-Sa
0700-0730	English	6010 Mo-Sa
0800-0900	Italian	11770 Su
0900-1000	English	11770 Su
1000-1100	Maltese	11770 Su
1100-1200	French	11770 Su
1200-1300	German	11770 Su
2000-2100	English	7440-Moscow

(VOM via Stephen Howie, BDXC-UK via DXLD/BC-DX/Bueschel-GER)

MEXICO *Radio Mexico International* noted on new (reactivated, actually) 11770 around 2105 to past 0450. (Hauser-OK, DXLD, Oct 21/BC-DX/Bueschel-GER)

NETHERLANDS *Radio Netherlands*

Web Site: <http://www.rnw.nl>

0030-0125	Dutch	15560m
0130-0225	Dutch	6020c 15315b
0130-0325	Spanish	6165b 9845f
0330-0425	Dutch	6165b 9590b 9680m 15560m
0430-0530	English	6165b 9590b
0600-0700	Dutch	5955f 6020f 7125f 9895f
0700-0800	Dutch	9715b 11655b
0700-0900	Dutch	5955f 9895f 11935f
0900-1100	Dutch	5955f 9895f
0930-1015	Dutch	6020b Mosa

0930-1125	English	7260p 9790b 12065i
1030-1125	Dutch	9720b 13820k 17575m 21480m
1100-1125	Spanish	15455b
1100-1300	Dutch	5955f 9895f 13700f
1130-1155	Spanish	6020b 9715b
1130-1325	English	6045j 9855w
1130-1325	Indonesian	11690s 17580m 21480m
1200-1225	Spanish	6020b 9715b
1300-1800	Dutch	5955f 9895f (to 1700)
1330-1425	Dutch	7375p 9890k 12070t 13700 17580m 21480m
1430-1625	English	12070t 12090m 15595m
1600-1800	Dutch	13700
1630-1725	Dutch	6020m 11655m
1730-1830	English	6020m 7120 11655m
1830-1925	Dutch	11695f 15315f 21590
1830-2025	English	6020m 9895f 11655m 13700f 17605b
2030-2125	Dutch	5835d 6015f 6020m 9895f 11655m 15315b 17605b 21590b
2130-2225	Dutch	6020b 9895f 11730f 13700b 15315b
2130-2325	Indonesian	6120s 7285m 9590m
2230-0125	Spanish	9895f 11715b (to 2325) 15315b
2330-0025	Dutch	7280s 9590m 15560m 17570k
2330-0125	English	6165b 9845b

b=Bonaire
m=Madagascar
s=Singapore
d=Kaliningrad, Russia
f=Flevo, Netherlands
g=Wolvertem, Belgium
i=Irkutsk, Russia
j=Juelich, Germany
k=Khabarovsk, Russia
p=Petrovavlovsk-Kamchatskiy, Russia
t=Tashkent, Russia
w=Wertachtal, Germany

(BBCM)

NEW ZEALAND *Radio New Zealand International*

Web Site: <http://www.rnzi.com>

0000-0705	English	17675
0705-1205	English	15175
1205-1650	English	6095 (occ. sports)
1650-1750	English	11725 Mo-Fr
1750-1850	English	15120 Mo-Fr
1850-2359	English	17675 Mo-Fr
1855-2359	English	17675 Sa/Su

(BBCM)

OMAN B-00 schedule of *Radio Sultanate of Oman*:

0200-0300	Arabic	6085 15355
0300-0400	Arabic	6085
0300-0400	English	15355

0400-0600	Arabic	9515 17590
0600-1000	Arabic	13640 17610
1000-1400	Arabic	13640
1400-1500	English	15140
1400-1500	Arabic	15375
1500-1800	Arabic	15140 15375
1800-2000	Arabic	7375 15355
2000-2300	Arabic	6085 9735
2200-2300	Arabic	9735
2300-0200	Arabic	9760

(Ivanov & Datzinov-BUL, Oct 18/BC-DX/Bueschel-GER)

PAPUA NEW GUINEA 5985 *Radio Bougainville* (x3325) heard active around 0840 onwards til about 1205 s-off in English and Pidgin, despite of thunderstorm rain season in PNG/INS. NBC English nx at 0900 and 1000 // 4890 Karei Nat sce. But at 0915 English nx from Bougainville on 5985, regional nx at 0950 [in Pidgin?]. (Schulze-PHL, Oct 5-9/BC-DX/Bueschel-GER)

Received a personal letter today from Aloysius Rumina, Provincial Programme Manager confirming my report of 13th Sept. He mentions that 5985 is the daytime freq, but they are currently running it for increased coverage as the 3325 transmitter is faulty and being run on low power. Both transmitters are 5 kW (normally) and run from Kubu, Buka Isl, Bougainville Province. In one month for US\$ and postcard. (Jary-AUS, hcdx Oct 18/BC-DX/Bueschel-GER)

PERU 4299.98v *Radiodifusion Comercial Naranjos*, Rioja, San Martin 0928-1023, reactivated. Thanks to Henrik Klemetz for filling in the blanks; Andean vocals, canned ID, announcer with time check and ID's in passing between songs. Fair signal with UTE QRM above and below varying from day to day. (Mohrmann Sep 18,19,20/Cumbre DX/Johnson)

5235.5 *Radio La Voz de Abancay*, Abancay; was first observed on 29/SEP/2000, during my stay in Abancay. The station runs on the nominal frequency of 5235 kHz (0.25 kW) and 96.9 MHz (0.06 kW) at 0900-2400 daily. The shortwave outlet remains around 5235 kHz, on which Radio Apurimac formerly operated, however, the station does not use the transmitter of Radio Apurimac. The station is owned by Lucio Fuentes, the founder and owner of Radio La Voz de Andahuaylas. Address: Av. Noviembre Lote 6, Urbanizacion Micaela Bastidas, Abancay, Departamento de Apurimac, Peru. (TIN-JPN/Relampago DX)

6292.1 *Radio Uripa*, Uripa, Provincia de Chincheros; was first noted on Oct 2, during my stay in Andahuaylas. I visited the station on 3/OCT/2000. The station was founded by Lorenzo Alejandro Espinoza, and started the transmissions in May of 1999. The ownership was transferred to the current owner Lorenzo Quispe Nauto on November 15, 1999. The transmitter was made by Lucio Fuentes, the founder of Radio La Voz de Andahuaylas. Its nomi-

nal power is 0.25 kW. The station runs at 1000-1600 and 1900-0100 daily. Address: Avenida Tupac Amaru s/n, Uripa, Provincia de Chincheros, Departamento de Apurimac, Peru. (TIN-JPN/Relampago DX)

6956.6v *La Voz del Campesino*, Huancabamba (t) 0102-0110. Mx (cumbia, huayno, melodic). (Arnaldo Slaen-ARG, Sep 24/BC-DX/Bueschel-GER)

10000U *Radio Fuego*, 2157-2240+, ads with echo and lot of cumbia mx. ID's as "Estas escuchando R Fuego, 104.7 FM;" heard only in USB (Barrera-ARG, Sep 30/BC-DX/Bueschel-GER) In my opinion, this was a product of a Peruvian "QRMer aficionado," one of the group of stupids here, wasting energy and time, that incidentally used its transceiver to put audio from this station and inject it into this fq tha has been converted into a mess. I think, the U.S. (FCC) should elevate a protest to ITU and all South American telecom administrations for the "laissez faire" situation in which this fq is subject of. There is absolutely no control of transceivers allowed to operate in the 10MHz ham radio band. This is a problem that is hapening here for years. The WWV/H valuable service and aid to professional people and amateurs (as we DXers are) has being outraged for years and anything has been done to correct it. (Nigro-URG, Oct 3) The answer given to my query about malicious QRM on 10 MHz, by Brennan Price N4QX at ARRL: "There is actually a somewhat good explanation for the situation on 10 MHz. In Australia, truckers are allocated a very significant portion of HF spectrum, because of the geography of the country. HF phone communication is often the most reliable way to communicate from the vast expanses of the Australian Outback.

"Unfortunately, several popular brands of radios sold to truckers in Australia default to 10.0000 MHz when turned on. Even more unfortunately, these radios are able to transmit on that frequency, WWV/WWVH notwithstanding. And not all truckers are adept at changing the frequency on their radios.

"The same thing happens occasionally with a particular brand of US Military transmitters, which default to 14.000 MHz upon tune-up. We deal with unintentional transmissions from these quite often.

"This problem doesn't have an easy solution, aside from letting the radios die of old age over a period of years!

Thank you and 73, Brennan Price, N4QX Field and Regulatory Correspondent American Radio Relay League" (Nigro-URG)

POLAND *Radio Racja* (Ratsyya in Belarusian—racja/ratsyya means "reason") is a Belarusian-language radio station based at Bialystok, Poland. Its broadcasts are aimed at Belarusians in Poland as well as Belarus. It began broadcasting in November 1999.

Web Site: <http://www.racja.pl>

0400-0600 Belarusian 6035

1800-2000 Belarusian 6165

(BBCM)

PORTUGAL RDP *Portugal* current schedule, all programs in Portuguese:

0000-0300 9715 11655 11980 13700 13770 Tu-Sa

0600-0745 9795 11675 11960 Mo-Fr

0745-0800 9795 11660# 11675 11960 Mo-Fr

0800-0900 9795 11660# 11960 Mo-Fr

0800-0930 11875 15575 21655 21830 Sa/Su

0900-1100 11960 15140 Mo-Fr

0930-1100 11875 11995# 15575 21655 21830 Sa/Su

1100-1300 11875 15575 21655 21830 Sa/Su

1100-1300 11960 15140 21655 21725 21830 Mo-Fr

1300-1400 15540* Mo-Fr

1300-1455 11875 15540+ 15575 17745 21655

21830 21800+ Sa/Su

1400-1600 15540 15490 Mo-Fr

1455-1500 15540+ 17745 21655 21800+ 21830

Sa/Su

1500-1755 13660 13790 15540+ 17745 21655

21800+ 21830 Sa/Su

15540 Mo-Fr

1700-2000+ 11800+ 11860+ 13585+ 15540 17680+

21655 21800+ Mo-Fr

1755-1800 13660 13790 15540+ 17745 21655

21800+ Sa/Su

1800-2000 13660 13790 15540+ 17680+ 17745

21655 21800+ Sa/Su

2000-2100 11800* 13660 13770* 13790 15540+

17680+ 17745 21655 21800+ Sa/Su

2000-2400 11800* 13770* Sa/Su

2000-2400* 13770 15540 Mo-Fr

+ may be extended up to 2400

* reserved for extended schedule ONLY

(Goncalves-POR/Green-UK, Oct 19/BC-DX/Bueschel-GER)

RUSSIA *Voice of Russia*—Russian WS schedule:

0200-0400 7125 7260 12000 15445 15525 15595

17595 17660 21755

1300-1500 7155 7205 9875 15460

1400-1500 7155 7205 7315 9875 15460

1600-1700 7315 9470 12030 15515

1800-1900 5950 7205

2000-2100 7205 7310 9905

2100-2200 7205 7370 9905

(Mikhaylov-RUS, Oct 15/BC-DX/Bueschel-GER)

Voice of Russia in Spanish:

0100-0200 7125 7180 7260 7310 7330 7350 7390

7440 7570 9450 9470 9810 9860 9965

0200-0300 7310 7330 7350 7390 7440 7570 9450

9470 9810 9860 9945 9965

2130-2200 7330 7380

(Rodriguez, "Frecuencia RM," ConDig Oct 15/BC-DX/Bueschel-GER)

Asgabat is not the only remaining SW outlet of **Radio Mayak** on SW. A lowpower 5 kW SW transmitter at Khanty Mansiysk in Western Siberia, call-sign RV-704, still carries R Mayak on 4520. It is a real DX stn for Europeans. Winter 2000-2001 tentative schedule:

Khanty Mansiysk5 kW 0100-2000 4520.

Asgabat, Turkmenistan50 kW 0100-0300, 0900-1200, 1900-2030 4930.

Radio Mayak is also relayed sporadically by utility/military [training] SW transmitters in Belarus in the 2, 3, 4 & 5 MHz bands. (Rudnev-RUS/BC-DX/Bueschel-GER) 3355 Radio Mayak, Most likely this is one of the well-known transmissions from military transmitters in Belarus. The used frequencies are in the range between 2.3 and 5.2 MHz, the higher end during daytime, the lower side at night. Of course one should not be surprised if the broadcast audio is suddenly replaced by communication. (Ludwig Oct 25/Cumbre DX)

4940 **Radio Mix Master**, Yakutsk, 2135-2205, Russian with local progr and English pops, anmts, ads, wx 2200; fair.

7325 **Radio Nalchik** (Kabardino-Balkarskaya Rep.), *1730-1800*, vernac. anmts, a 20 min. talk, one local song. (Vashek Korinek-RSA, NU Sep 23/24/BC-DX/Bueschel-GER)

11665 **Radio Tatarstan**, via Samara at 0403 in Tatar. Good to very good. Mentions of Simferopol, where a large Tartar population resides (Crimea, Ukraine). (Salmaniw-CAN, Sep 23/BC-DX/Bueschel-GER)

SOMALIA 6315 *Voice of Peace and Democracy of Eritrea* via Voice of the Tigray Revolution, heard consistently, ex-6750/6805, from fade-in around 1610 until 1900. (Green-UK, Cumbre DX via DXLD, NU Oct 8/BC-DX/Bueschel-GER) It's //5500. Heard at 1450 with IS, ID at 1458; also 1859* after ID. Much better on 6315 than 5500. (Vaghjee-MAU, NU Oct 15/BC-DX/Bueschel-GER) 0315-0400 & 1415-1500 daily, via VoTigray Revolution facilities at Mekele in Ethiopia. Tigray follows on the same two fqys at 0400-0500 & 1500-1900 daily. (Kernick-UK, NU Oct 15/BC-DX/Bueschel-GER)

According to an item by Baldur Drobnica in the German ham radio magazine "Funkamateur" (Oct), **Radio Hargeisa** (7530 kHz) now uses a 5 kW transmitter for broadcasts on 7120 and 11640. No times are given and there is no mention of 7530.

QSLs are said to be available for detailed reports accompanied by return [German] postage from the

representative in Germany of the "Republic of Somaliland," Zedernweg 6, D-50127 Bergheim, Germany.

I know that Baldur has good contacts with official institutions in Hargeisa, so all of this is quite likely. I will check with him. We were looking for a used 100 kW transmitters for tropical band operation but without success so far. (Kuhl-GER, NU Oct 1/BC-DX/Bueschel-GER)

TUNISIA Updated schedule of RTTunis in Arabic:

0200-0400 9720 12005
0400-0500 7110 7275 9720 12005
0500-0700 7110 7275
1200-1400 15450 17735
1400-1700 11655 11730 15450 17735
1700-2100 7225 9720 11655 12005
2100-2300 7225 11655

(Ivanov & Datzinov-BUL, Oct 1/BC-DX/Bueschel-GER)

UNITED KINGDOM BBC World Service For Western, Central and Eastern Canada & USA, 29 October 00-March 2001

0000-0100 5975A 6175S 9590D
0100-0300 5975 6175 9590
0300-0400 5975 6135D 6175
0400-0500 5975 6135 6175
0500-0800 6175D
1100-1200 5965S 6195A 15220A
1200-1300 9515S 15220A
1300-1400 9515 9590D 15220
1400-1500 9515 9590 15220S 17840A
1500-1600 9515 9590 15220 17840
1600-1700 9515 17840
1700-1800 17840S
1800-2000 17840 Sa
2200-2300 6175S 9590S
2300-2400 5975A 6175 9590

A= Antigua

D= Delano CA

S= Sackville Canada

(Poppin-CA)

UNITED NATIONS United Nations Radio Regular direct shortwave radio broadcasts were suspended in 1985, resuming in September 2000 (although programming continued to be carried on shortwave by a number of rebroadcasters).

This schedule, which includes shortwave frequencies hired through UK-based Merlin Communications, is valid until 29th October 2000.

Web Site: <http://www.un.org/av/radio/>
1700-1715 French 6120m 17580u 21490m
Mo-Fr

1715-1720 Portuguese 6120m 17580u (planned)
Mo-Fr 21490-m
1730-1745 English 6125m 15265u
17710amo-Fr
1830-1845 Arabic 15265u 17565u Mo-Fr
a=Ascension Island
m=Meyerton, South Africa
u=Merlin, UK (BBCM)

UNITED STATES OF AMERICA KNLS - the New Life Station

Web Site: <http://www.knls.org>
0800-0900 English 11765
0900-1000 Russian 9615
1000-1100 Mandarin 9615
1100-1200 Russian 9615
1200-1300 Mandarin 9615
1300-1400 English 9615
1400-1700 Mandarin 9615
1700-1800 Russian 12105

(BBCM)

WBCQ2 will be moving from 9330 to 9335-CUSB, to get further away from WGTG 9320. (Weiner-USA, Oct 11 to gh/BC-DX/Bueschel-GER)

WMLK has bought a 250 kW transmitter from SwissCom. Although it has been delivered, WMLK won't have it running until March or April 2001. (Johnson/Cumbre DX)


World Beacon—a Christian evangelical broadcaster—currently operates two shortwave services: African Beacon and European Beacon (as indicated by the target areas)

Web Site: <http://www.worldbeacon.net>
1530-1600 English 6145m Mo-Fr
1600-1800 English 6145m
1600-1800 English 15455uk
1800-1900 English 3230m 9675uk 17665uk
1800-1900 English 15585uk
1900-2000 English 7360r 15585uk
1900-2200 English 3230m 9675uk 11640m
2000-2200 English 7360r

m=via Meyerton, South Africa

r=via Krasnodar, Russia

uk=via Skelton/Rampisham, UK (BBCM)

YUGOSLAVIA Radio Yugoslavia said it hoped the new Yugoslav administration would take urgent steps to deblock the radio's SW transmitters in Bijeljina-BIH, held by the Bosnia Stabilization Force (Sfor) since late Aug. (Tanjug news agency/BBCM/DXLD/Hauser/BC-DX/Bueschel-GER) 

Pirate Radio Report

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

Hi and welcome of the November **Pirate Radio Report**. Halloween is now a memory but hopefully there was some activity to report on for next month. Send those logs into us.

Pirating With Cumbre Now Weekly!

My segment on *Dxing With Cumbre* is now aired on a weekly basis. Look for a 3-6 minute segment of pirate logs, audio of pirates and information on activity as part of Marie Lamb's show as heard on the WHRI network of stations. The latest schedule can be downloaded from the website at: www.cumbredx.org/cdxsk.html

Loggings...

Many thanks to Pete Costello in New Jersey and George Zeller of Ohio for their contributions.

Fight For Free Radio, an apparent new station was heard on October 14th at 2315 UTC on 6950 kHz USB. The announcer was critical of the message boards of the Free Radio Network [FRN] website. Remarks left on the web site suggest Radio Bob might have something to do with this station. [Zeller-OH]

Jean Chretien Station, formerly thought to be called "Knuckleheads" was logged on October 14th at 0113 UTC on 6950 kHz USB. Rock music with an audio cut from Jean Chretien saying "We will not let them tear them down". Also weather reports and info on Ontario events. [Zeller-OH]

KBFA—Broadcasters Of Free America was heard relaying an oldies program from WKUE on October 9th at 0230 UTC on 6955.8 LSB. No address was given. [Lobdell-MA]

K-Mart Radio. Logged at 1504 UTC on October 21st on 6955 kHz USB. Program of old rock music. The station claims to be a division of *Blind Faith Radio* and uses the slogan of "Kiss My Ass Radio". [Zeller-OH]

Radio Three Parody. This station is an imitation of Sal Amoniac's real *Radio Three*.

Logged on October 15th at 0002 UTC on 6950 USB with rock music and a male DJ. Like the real Radio Three, it does not announce an address. [Zeller-OH]

Sycko Radio was logged on October 14th at 2213 UTC with a program of rock music. The announcer had a fake East Indian accent. [Zeller-OH]

WLOW, another apparent new outlet was heard on October 21st at 1434 UTC on 6955 kHz USB. A test broadcast included rock music, saying the broadcast was live from the streets of NYC with an interview of William Kennard of the FCC. Used the slogan "Big Dick Radio" [Zeller-OH] [Hmmm, I wonder if they're related to Big Johnson Radio? Ed.]


WMFO—"Where's My F'ing QSL?" is one of the more active pirates these days. They were logged on October 9th at 0027 UTC on 6950.5 kHz USB with rock and the usual group ID. They use the Providence, RI maildrop. [Lobdell-MA]

W00E? is the tentative identification of a pirate heard on September 30th at 2314 UTC on 6950 kHz in the AM mode. One song was played then a brief ID was given before sign off. [Lobdell-MA]

Unidentified. A station was logged on October 7th at 2104 UTC playing the song "North Wind" followed by a deep voiced announcer announcing "Pirate Radio Is Dead" and asking whatever happened to various radio stations. [Costello-NJ]

Europirate Season

Don't forget to scan the 48 meter Europirate band [6200-6400 kHz] Saturday afternoons between 2000-2300 and Sunday AMs between 0500-0800 UTC for possible activity from Europe. The later sunrise should allow some signals to reach the East Coast of North America for those dxers with low noise locations and good antennas. Good luck trying!

Until next month, Happy Pirate DX! 

QSL Report

Sam Barto • 47 Prospect Place • Bristol, CT 06010

The Caribbean BEACON, ANGUILLA

LISTENER VERIFICATION REPORT

DATE: April 22, 1997

TIME: 1110

COMMENTS: *Thank you for your reception report. We are pleased to verify you were one of the first to receive 6090 KHz. with a power of 75 kw on 12-30-96 at 2332-6005 UTC. Best regards, R. Hunsell*



TO: *Richard A. D'Angelo
2216 Turkey Drive
Wymossing, PA
19010-1553*

By air mail
Par avion

ALASKA: KNLS 11765
via Anchor Point f/d cd. w/ news-letter and sked. in 41 ds. for a taped rpt. and \$2.00. The cd. was a "Ceremonial Long House in Ketchikan". (Willshaw-NC). 9615 f/d "Momma Bear Gives Her Cub a Bearback Ride" cd. in 87 ds. w/ a personal ltr. (Humenyk).

ALBANIA: Radio Tirana 9520 via Shiqar f/d "Local Albanian Dress" cd. in 33 ds. w/ flag. (Humenyk).

ANGUILLA: Caribbean Beacon 11775 f/d "Caribbean Beacon Building" cd. in 67 ds. (Humenyk-ONT).

ASCENSION ISLAND: Radio Telefis Eireann 21630 p/d cd. in 48 ds. for a taped rpt. and 1 IRC. The cd. was a "View Greeting from Dublin City". (Willshaw-NC).



ASIATIC RUSSIA: WSHB 9940 via Irk-* utsk f/d "Antenna Field at Sunset" cd. in 93 ds. v/s Dan Dean. (Humenyk-ONT). Voice of America 7365 f/d "Yosemite National Park" cd. in 1 mo. (Field-MI). Radio Vatican 6205 via Komosomolsk-na-Amure (per the Journal) this was on my third try. (Field-MI). Radio Vlaanderen International 9865 via Petro-pavlovsk-Kamchatsky f/d "2 photos of Kortrijk" cd. in 21 ds. (Humenyk). Radio Nederland Wereldomroep 12065 f/d cd. in 31 ds. (Glotzbach). ...This was from the Petro-pavlovsk-Kamchatsky site. 13710 via Irkutsk cd. in EG/SP in 168 ds. w/ "On Target" newsletter. (Glotzbach-NM).

AUSTRIA: Radio Austria International 17765 via Moosbrunn f/d ltr. w/ cd. of "Theatre on the Lake at Vorarlberg" in 22 ds. Also rcvd. map of Austria. (Humenyk-ONT).

BOLIVIA: Radio Santa Cruz 6135 f/d ltr. in 26 ds. for a SP rpt. (Glotzbach).

BOTSWANA: Voice of America 15445 via Salebi-Phikwe f/d "The White House" cd in 61 ds. (Humenyk).

BRASIL: Sistema LBV Mundial 11895 p/d ltr * in 50 ds. w/ station magazine. v/s Sandra Albuquerque, International Department. (Humenyk-ONT).

ALOHHA

WWVH



BULGARIA: Radio Bulgaria
11700 via Plovdiv f/d
"Sofia - St. Nedelya
Square" cd. in 36 ds.
w/ station pennant,
schedule, sticker and
report forms. (Humenyk)

CANADA: Radio Telefis
Eireann 13745 f/d cd.
in 81 ds. (Humenyk).

CHILE: Radio Voz Cristiana
21550 via Santiago p/d
Cross and Flower cd. in
32 ds. for a SP rpt.,
tape and \$3.00. v/s
Antonio Reyes, Chief of

Transmissions. Addr: 490-3, Santiago. (Willshaw-NC).

CHINA, PEOPLES REPUBLIC OF: China Radio International 11675 via Kunming (site was not indicated on the cd.) cd. in 1 mo. w/ 3 stickers

QSL

Certificado de Sintonia

-RADIO MISCUT-

Sr. Jerry Klinck, U.S.A.:

Muchas gracias por su informe de recepción. Tenemos el gusto de confirmar su control de nuestra emisión en 5.770USN kHz: de fecha 15 febrero, 1995 a las 6:14 PM - 6:40 PM horas de Nicaragua tiempo. Votos de potencia: 1 KW.



HELP: Your Editor is in need of addresses for the following utility stations: FUE, FUE, SPE, TBB, 8BY, LGX, XSX, A7D, XSW, UCE and several Russian meteo's. It would be appreciated if I can borrow an address book for a few days. I'll pay all postage costs and thrown in a few goodies.....Sam.

CUBA: Radio Habana Cuba 13750 f/d "Club DX Logo" cd. in 77 ds. w/ pocket calendar, contest promo, certificate poster and a personal ltr. (Humenyk).

CYPRUS: Cyprus Broadcasting Corporation 9760 p/d "Station Photo" cd. in 59 ds. for a taped rpt. and 2 IRCs. (Willshaw-NC).

CZECH REPUBLIC: Radio Prague 7345 via Litomyšl f/d "Tomas Garrigue Masaryk, Prague, 1932" cd. in 19 ds. w/ station book. My report was actually for the reception of their broadcast via WRMI on 7385. (Humenyk-ONT).

ECUADOR: HCJB 9745 and 15115 rcvd. cds. 1 and 2 of the 2000 series. v/s John Beck Station Manager. Schedule also rcvd. (Field-MI). 9745, 11755 and 17660 f/d "Mount Chimborazo" cd. w/ schedule and report forms in 35 ds. (Humenyk). 17795 "DX Topics" program via HCJB f/d cd. of "Father and Son Team" in 68 ds. w/ info about German DX program. v/s Karsten and Dieterreibold. (Humenyk-ONT).

ENGLAND: Radio Canada International 17820 via Rampisham f/d "CBC Logo" cd. w/ sticker, schedule and a thank you folder in 15 ds. (Humenyk). World Beacon

Radio 9675 rcvd. my second cd. w/ no site or other data. v/s Jeff Johnson, Program Director. Addr: 8133 Baymeadows Way, Jacksonville, FL 32256. (Field-MI) Radio Japan 15115 via Skelton f/d "65th Anniversary of NHK World" cd.



Islamic Republic of Iran Broadcasting
P.O. Box: 19395 - 6767 TEHRAN - IRAN



in 41 ds. w/ schedule, sticker a and report forms. v/s A. Jingu. (Humenyk-ONT).

EUROPEAN RUSSIA: Voice of the Mediterranean 12060 via **Voice of Russia** site at **Krasnodar** f/d "Luzzu Maltese Fishing Boat" cd. in 34 ds. (Humenyk).

FINLAND: Radio Finland 11985 via **Pori** f/d "Shortwave Centre" cd. in 98 ds. for \$1.00. v/s Raimo Makela. (Borokowski-NY).

GERMANY: Fritz Love Radio 3965 via **Brandenburg** f/d cd. in 1 mo. w/ schedule and sticker. (Field-MI). **Adventist World Radio** 9875 via **Julich** f/d "Seminarium Duchowne" cd. in 31 ds. (Humenyk). 9490 and 15560 f/d "DIY" cd. in 326 ds. v/s Clive P. Oaklo. (Humenyk). **Radio Vilnius** 9855 via **Julich** f/d "Blue Flag and Logo"

* cd. in 59 ds. (Humenyk). **Voice of Ethiopian Unity** 15365 via **Julich** personal ltr. rcvd. in 3 wks. v/s Yishal Sitotaw. Addr: P.O. Box 88675, Los Angeles, CA 90009. (Field-MI).

GREECE: Voice of America 9680 and 9770 via **Kavala** f/d "Greenville" cd. and "Canyonlands National Park in Utah" cd. in 90 ds. (Humenyk-ONT).

HAWAII: KWHR 17510 f/d cd. in 111 ds. for an E-mail rpt. (Neal-TX). **Que Huong Radio** 17510 via **KWHR** at **Naalehu** ltr. w/ 2 bus-

NOTES: Gene Borokowski says that reception this past summer has been brutal! Seems that way here too....Sam. **Fred Willshaw** from North Carolina says it has been a quiet month at the old mailbox. The easy countries have already replied and now it is a battle of frustration waiting for the so-so's and the hardly evers. Hi! Fred asks if NASWA has ever used an insert in reception reports explaining just what a QSL is and why the station should consider a reply. If properly written and composed in the station's native language it may prove to be very beneficial.... Good idea....Sam.

VOICE OF THE MEDITERRANEAN
 A JOINT MALTESE - LIBYAN VENTURE

A Joint Maltese - Libyan Venture
 Dear Listener
 Thank you for your reception report of our transmission
 on 21st September 1992
 at 06.00-04.00 UTC
 frequency 7465 kHz

We are very glad to verify here with your report.

Mr. Roland Dietrich
Göteborg, Sweden
D-51000 Krefeld
Germany

When you receive this report, please return it to the station of origin. If you are unable to do so, please return it to the station of origin. If you are unable to do so, please return it to the station of origin. If you are unable to do so, please return it to the station of origin.

iness cds. in 22 ds. v/s Nguyen Khoi, Station Manager. (Humenyk-ONT).

* **Armed Forces Radio and Television Service** 10320 via **Pearl Harbor** p/d E-mail rcvd. in 45 ds. for an E-mail rpt. v/s Michael Foutch, Chief Broadcast Operations Specialist. I submitted this as a reception

of Keflavik but was told that AFRTS is working on bringing this station online. It is not yet operational. (Willshaw-NC).. p/d e-mail in 27 ds. for an e-mail rpt (Neal-TX).

ICELAND: Rikisutvarpid 13860 f/d "Map and Photo" cd. in 1 mo. (Humenyk).

IRAN: Voice of the Islamic Revolution of Iran 6020 n/d "Khaju Bridge - Efsahan" cd. in 74 ds. w/ sticker, postcds., booklet and schedule (Humenyk-ONT).

Kingdom of Saudi Arabia
 Ministry of Information
 Engineering Affairs
 Riyadh

Q.S.L.

To: Jeff Molander

Dear Listener,

Kindly accept our thanks for your listening report. We are pleased to verify our following transmission.

Frequency: 11935 KHZ

Time (U.T.): 21:18 - 20:40

Date: 25/05/98

We appreciate your cooperation and hope to hear from you again.

SULAIMAN SAMNAN
 Director of Frequency Management
 Ministry of Information

ISRAEL: Kol Israel 17535 f/d "Blue Logo"
cd. in 23 ds. w/ schedule.

(Humenyk). **Galei Zahal**

15785 f/d "Microphone" cd.
in 99 ds. (Humenyk-ONT).

ITALY: Voice of * the Mediterranean 7150 via

Rome p/d ltr., w/ sticker, bookmarks and station pamphlet in 52 ds. for a taped rpt. and 1 IRC. v/s Victoria Farrugia. (Willshaw-NC).

***Armed Forces Radio and Television Service** 10940.5 via **Signonella** p/d e-mail in 29 ds. for an e-mail rpt. (Neal-TX).....Sorry, I

YOUR ASSISTANCE IS NEEDED: Your editor is looking for any updated addresses for the following stations: **Radio Free**

London, Wonderful Radio London, Virgin Radio, Rainbow Radio and any of the **Kurdistan** outlets....Thank you.

should of listed this QSL under **SICILY**...Sam.

LIBYA: Radio Jamahiriya 15435

via **Tripoli** f/d "Rainbow/Logo" cd. in 75 ds. (Humenyk).

LITHUANIA: Radio Vilnius 9855 f/d cd. in 37 ds. for ms.

(McGuire).

MAURITANIA: Radio Mauritania 4845

via **Nouakchott** f/d cd. in 65 ds.

for a FR rpt., tape and \$1.00. The cd. The cd. was basically yellow and green w/ a map of Africa and Islamic symbols. (Willshaw-NC).

MEXICO: XEPPM Radio Educacion 6185 ltr. in EG in 99 ds. Also rcvd. bookmark and a crafts brochure. (Glotzbach-NM). (Borokowski).

MOLDOVA: Voice of Russia 9665 via **Maia** f/d "Pushkin" cd. in 67 ds.

MOROCCO: Voice of America 17895 via **Briech** f/d "Canyonlands National Park in Utah" cd. in 90 ds. w/ sticker and a VOA program guide. (Humenyk). f/d "Sunrise at Greenville" cd. in 61 ds. (Humenyk-ONT). 15255 f/d "Hawaii - Waikiki Beach" cd. in 47 ds. w/ VOA guide and ruler. (Humenyk).

NEW ZEALAND: Radio New Zealand

11725 via **Rangitaki** f/d "Mitre Peak at Milford Sound" cd. w/ schedule in 20 ds. (Humenyk).

NORWAY: Radio Denmark 17505 via

Sveio f/d "There is a Lovely Land" cd. in 19 ds. w/ sticker, schedule and other items. v/s Erik Koif. (Humenyk).

PHILIPPINES: Voice of America

12040 via **Poro** f/d "Hawaii" cd. in 61 ds. w/ VOA guide. (Humenyk-ONT).

POLAND: Polskie Radio 11820 f/d

"City of Szczecin at War and Now" cd. in 62 ds. w/ schedule, personal ltr. and report forms (Humenyk).

PUERTO RICO: APRTS 6458.5 via

Roosevelt Roads (Isabela) f/d



RCI

mail: sigonella@arc2.humnet.org

台北國際之聲

Radio Taipei International

FAX/ 886-2-25982294

http://www.cbs.org.tw

E-mail: cbs@cbs.org.tw



QSL



Dear Norman,
Thank you for your Reception Report of our Transmission

Date :16-05-1998
Time (UTC) :04:00 - 04:35 Hours
Frequency :15310 KHz

4 April, 2000

TO: Mr George L. Glotzbach

G/L 4/19/00

LETTER OF VERIFICATION

Dear George

Thank you for your valuable reception report. I have checked the details against our frequency and programme schedules. I can confirm that you heard the BBC World Service via the Atlantic Relay Station at the following times and frequencies.

Date: 29th December 1999

Time (UTC): 06:14 to 06:25

Frequency: 6050 kHz

All requests for our frequency schedules and programme guides should be sent to the BBC World Service, Bush House, London, UK.

I have enclosed some information on the Atlantic Relay Station which you may find of interest.

Yours sincerely

Nicola Nicholls

Nicola Nicholls
Transmitter Engineer

ds. w/ schedule and sticker. (Humenyk).

SEYCHELLES: Far East Broadcasting

Association 15530 via **Mahe** p/d cd. w/ schedule in 57 ds. for a taped rpt. and \$2.00. v/s Doreen Dugasse, QSL Secretary. (Willshaw-NC).

SICILY: AFRTS 10940.5 via **Sigonella** p/d e-mail in 46 ds. for an e-mail rpt. Station says they are currently testing satellite transmissions, so if you want a verification on their SW locations you better do it soon. (Willshaw-NC).

SINGAPORE: Radio Japan 11920 via **Kranji** f/d "Maiko Geshi Girl" cd. w/ schedule, newsltr. and report forms in 43 ds. for a taped rpt. v/s A. Jingu. (Willshaw).

SLOVAKIA: Adventist World Radio 17525 via **Rimavska Sobota** f/d "Voice of Hope/AWR Stickers" style cd. w/ station pennant, AWR stamp, personal ltr. report forms and station magazine in 45 ds. (Humenyk).

SOUTH AFRICA: BBC QSL World Service 15420 via **SENTECH** at **Meyerton** f/d

Verification Letter

70 Years Of CHNX Shortwave 1950-2000

Radio Station CHNX

Halifax, Nova Scotia, Canada
6130 Khz on the Broadcast Band
Transmitting Power of 50 watts

Antenna Technical Specs: Standard 5 wave Dipole Antenna at 50 foot height with a 1:1 Balun at the feed point and fed with 149 feet of RG-36, 50 Ohm coaxial cable

George Glotzbach of Santa Fe, New Mexico USA

Thank you for your Reception Report.

We are pleased to verify your reception of CHNX
Transmitting the programming of Oldies 96 CHNS Halifax

22:17 to 22:30 (UTC)

March 17th, 2000 at Virginia Beach, Virginia USA
73's and good DX'ing in the future!

Scott Snailham
Production Assistant/Evening Producer
CHNX/CHNS/CHFX Halifax

1939 QSL card

e-mail in 4 minutes from v/s Michael Foutch. (Willshaw-NC)..... Must be some sort of record... Sam.

ROMANIA: Radio Romania International

15250 and 15360 f/d "Nicolae Iorga and Nicolae Titulescu" cd. w/ sticker in 58 ds. (Humenyk). 11740 f/d "Nicolae Eugene Ionesco" cd. in 54 ds. (Humenyk). 7195 f/d "Constantin Brancusi, Romanian Sculptor" cd. w/ schedule in 106 ds. (Humenyk).

SAIPAN: Radio Free Asia

11945 f/d ltr. in 79



at **SENTECH** at **Meyerton** f/d "Monitor Room Panorama at Honeydew" cd. w/ schedule in 28 ds. v/s Kathy Otto. (Humenyk). **Trans World Radio** 9510 via **SENTECH** at **Meyerton** f/d "TWR Studio Building and Transmitter Site at Manzini" cd. in 277 ds. w/ schedule. v/s Mrs. L. Stavropoulos. (Humenyk). **Adventist World Radio** 12130 via **SENTECH** at **Meyerton** f/d "Transmitter Tower in Forli" cd. in 22 ds. w/ personal ltr., report forms, bookmark, AWR stamp and station magazine. v/s Evelyn Gysin-Ruf, Listeners Services. (Humenyk). 9745 f/d "DIY" cd. in 326 ds. w/ pennant, schedule and report forms. v/s Clive P. Oaklo. (Humenyk-ONT).



**NATIONAL
VOICE OF
CAMBODIA**



Dear George Maroti:

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

Date of Reception: 11-11-1997
 Time: between 12.00 to 13.00 UTC
 Frequency: 11940 kHz
 Transmitter Power: 50 kilowatts

Kem Yan
 Signature

Official Seal

SPAIN: Radio Free Europe / Radio Liberty 9520 via Playa de Pals f/d ltr. in 89 ds. v/s David Walcut, Broadcast Operations Liaison. (Humenyk). 7155 f/d ltr. in 34 ds. (Humenyk). **Radio Exterior de Espana** 9840, 7220 and 15110 f/d "Computerized Blue Logo" cd. in 36 ds. w/ sticker and schedule. (Humenyk).

SRI LANKA: Voice of America via Calombo (as spelled on card)

f/d "Liberty Bell" cd. in 5 mo. (Field-MI). 9645 f/d "Transmitter Site" cd. in 281 ds. v/s Gary R. Wise. My report was sent to the US Embassy address as listed in Passport. (Borokowski-NY). 9750 via Tra-nawila f/d "Sri Lanka Transmitting Station" cd. in 182 ds. (Humenyk).

National Radio of Cambodia
via Maroti



SWEDEN: Radio Sweden International 15245, 17505, 17525 and 17895 f/d "The Warship Wasa Sculpture from the Stern Galley" cd. in 2 wks. w/ schedule. (Humenyk). 15255 f/d "Stockholm, The Warship Wasa Breaks the Silence" cd. in 27 ds. w/ schedule. v/s C. Adlir. (Humenyk).

TAIWAN: Radio Taipei International 15125 f/d "Alcedo Atthis" cd. in 68 ds. w/ sticker, report forms, postcard, schedule and a map of Taipei. (Humenyk).

TAJKISTAN: Radio Free Asia 11540 via Dushanbe f/d ltr.

w/ schedule and sticker in 79 ds. (Humenyk).

THAILAND: Voice of America 7260 via Udorn f/d "Liberty Bell" cd. in 34 ds. for a taped report. (Willshaw).

TUNISIA: Radiodiffusion Tunisienne 7275 via Sidi Mansour f/d e-mail in * 4 ds. for an e-mail Fr report. (Neal-TX).

TURKEY: Voice of Turkey 9445, 9460 and 11885 via Emirler f/d "Womam in a Local Traditional Dress" cd. in 43 ds. w/ station pennant, station schedule and a sticker. (Humenyk). 9445, 11885 and 21715 f/d cd. in 51 ds. w/ sticker and schedule. (Humenyk). 11665 and 17830 f/d "Turkish Woman" cd. in 55 ds. w/ schedule, stickers, pennant and tourist brochures. (Humenyk).



UKRAINE REPUBLIC: Radio Ukraine International 13590 f/d "Monastery" cd. in 44 ds. w/ stickers. (Borokowski-NY).

USA: WYFR 21525 f/d cd. celebrating the 25th anniversary of the station in 60 ds. (Humenyk). 9715 same cd. in 23 ds. (Humenyk). **KTBK** 1700 f/d sheet in 314 ds. for 2 ms. (Neal-TX). **WSHE** 9430 "Antenna Field at Sunset" cd. in 93 ds. v/s Dan Dean.






QSL CARD

TO Mr/Ms : Jeff Holender

We herewith confirm the reception of transmission of Arabic / English / Service
 (The Republic of Yemen Radio) on 25 Oct. on 1999 03.11 03.35 UTC (time)
 transmitted on 9780 kHz, with _____ watts
 of power. ATTACHE ALI

Sent to on _____ TECHNICAL DIRECTOR

(Humenyk-ONT). 9355 and 9430 f/d "Radio Reaches Around the World" cd. in 471 ds. v/s Cindy Biehm.(Humenyk). **Radio Taipei International** 9680 via **WYFR** f/d "Endemic Sub-Species to Taiwan" cd. in 64 ds. w/ sticker, postcard, schedule, report forms and the "Taipei Journal", (Humenyk). 11740 f/d "Orionus Traillii" cd. in 100 ds. w/ schedule and stickers. (Humenyk). **Adventist World Radio** 6040 via **WHRI** f/d "57th World Congress in Toron-

to" cd. in 36 ds. w/ AWR stamps, schedule and a bookmark. Also received the "New Millenium DX Contest" literature.(Humenyk). **Voice of Greece** 17705 via **Delano** f/d "The Prince of the Lillies" cd. in 24 ds. w/ station schedule.(Humenyk).

USA (Pirates): Indira Calling 6955 f/d "Indian Musical Instruments" sheet in 103 ds. for 3 ms. The sheet was a map of Rhode Island w/ Indian place names.(Wilkins-MO).

UZBEKISTAN: Radio Tashkent 15295 and 17775 f/d "Samarkand" cd. in 44 ds. w/ personal ltr., schedule, postcard and a contest form.(Humenyk). **Radio Nederland** 12075 via **Tashkent** cd. w/ site in 2 mo. (Field-MI).




NATIONAL BROADCASTING CORPORATION
RADIO NEW IRELAND
 PAPIA NEW GUINEA

Dear JEFF A. HOLLANDER

Thank you for your reception report. We are pleased to verify your reception of our station transmitting from New Ireland.

Date of Reception: 14 JUNE 1998
 Time: 10.57 - 11.32 UT
 Frequency: 3.905 kHz.
 Transmitter Power: 10 kilowatts. TS/MS

Jeff A. Hollander
 SIGNATURE OFFICIAL SEAL

VATICAN CITY: Radio Vatican 12055 p/d "Pope John Paul II Overlooking Vatican Square". (Willshaw).

VENEZUELA: YVOC Ecos del Torbes 4980 f/d "Map" cd. in 42 ds. for a SP rpt. v/s Dr. Zimon Zaidman Kreuter (Willshaw).

WEST BERLIN: Deutschlandfunk 6005 f/d cd. in 8 ds. for an e-mail rpt.(Neal-TX).

HIGHLIGHT:

DIEGO GARCIA: Armed Forces Radio and Television Service 12579 f/d e-mail QSL from Michael Foutch, Chief Broadcast Specialist for Operations. Their e-mail address is: "Foutch, Michael JOC" <jwy@snowline.net>. (Young-CA).....This is Jame's VIC #235....Sam

3.250 Mhz.
1.600 Mhz.

Mar Caribe

RADIO LUZ Y VIDA
 Apdo Postal 303
 San Pedro Sula, Honduras

Guatemala

Honduras
 Centro América

Radio
 Proclamando a
 Cristo

El Salvador

Océano Pacífico

Firma el gerente
Chris Noel

QSL Certificado de Sintonía para Jeff Holender
 Gracias por su informe de recepción de
 Nicaragua fecha 12-11-1998 las 1.40 UTC.

Hope everyone is feeling fine and having a great DX Season.

Sam

Net Notes

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

The Kenya Broadcasting Service has a new Web site on line. Quite professional looking, the menu on the left provides links to news and English and Swahili, the radio and television network and more. News headlines are in a right-hand menu, and the top news stories are featured in the middle section. Under Radio, click on the two language links to go to pages for each network. Check it out at www.kbc.co.ke/.

Radio Sonder Grense in South Africa has a Web site that is new to us. This is an FM station, also be heard quite well on shortwave on 3320 kHz. The twice-daily news bulletin may be heard on demand. The URL is www.rsg.co.za/. This site is quite different than the pages on the SABC server at www.sabc.co.za/radio/afirst/index.htm and www.sabc.co.za/radio/afirst/index.htm (note the first URL has a "1" in the page file name).

Also in South Africa, we found a public relations firm with relationships to more than two dozen local and community domestic radio stations. Explore the links at www.hal.co.za/newhal/radio/stations.asp.

Staying in Africa, moving north toward the equator, Radio Ethiopia now has an "official" Web site according to the banner. But the server is in the USA, and the site is prepared by a public relations firm. Dial up www.angelfire.com/biz/radioethiopia/ and have a look.

Moving west to South America, the government of Bolivia has at least some parts of its government on the Internet. The pages are in Spanish, but a translation program should solve the problem where necessary. The Department of Economic Affairs is on the Web. Buried in its Web site are pages for the Superintendent of Telecommunications and this includes a list of radio and television stations. We looked at the radio station list. Organized by state, all the details are there except for the fre-

quency! Nevertheless, the data may be useful for those chasing MW and tropical band stations: www.desarrollo.gov.bo/mde/transportes/comunicaciones/listado%20operadores.html. Pick the third link titled "Operadores de radiodifusión nacional" and wait a bit as the listing is over 300k in size. Alternatively drill down from the top page www.desarrollo.gov.bo/: follow the link for Transportation, Communications and Civil Aviation page, then pick the link "Comunicaciones" to move further down, then the link "Operadores".

Then we moved west into the Pacific and we found a number of new (at least to us) Web sites of broadcasters.

The Vanuatu Broadcasting & Television Corporation has a Web site under construction at www.vbtc.com.vu/. As the pages are prepared in Microsoft Publisher and saved as HTML pages; the pages are huge graphics and take time to load on a slower connection.

The Tonga Broadcasting Commission has a .com URL at www.tongabroadcasting.com/. (We found it amusing that does not use a .to domain.) There is no live audio, but you join a chat room and request a song to be played on Radio Tonga.

On the Radio Cook Islands Web site at www.radio.co.ck/, there is no streaming audio, but you can read the latest news in English.

While looking through the pages of these broadcasters, we found a link to the Pacific Islands Broadcasting Association at www.pacnews.org/piba/. "In 1997, organizations from the following countries were members: Australia, Cook Islands, Fiji, the Federated States of Micronesia, (the US State of) Hawaii, Kiribati, Marshall Islands, Nauru, New Zealand, Niue, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu, and Vanuatu."

The <http://> is implied in the URLs listed above.

Contributors' Page

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

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

Brian ALEXANDER, Mechanicsburg, PA	NRD545 AOR AR-7030 100' LW
Ralph BRANDI, Tinton Falls, NJ	AOR7030, R8, 250' longwire
Jim CLAR, Rochester, NY	R8, 2010, RF Systems mini-window ant
Rich D'ANGELO, Wyomissing, PA	Drake R8, Lowe HF-150, DX Sloper
Walt FAIR, Maracaibo, VENEZUELA	Sangean ATS-909 Realistic ant. and LW
Bill FLYNN, Cave Junctions, OR	R8, R7A, DX Ultra inverted V
Bob HILL, Littleton, MA	Sony 2010 120' dipole at 35'
Fred KOHLBRENNER, Lansdowne, PA	Drake R8
Harold LEVISON, PA	Drake R8
Jerry LINEBACK, Scranton, KS	Icom 746 beverage antennas
Jack LINONIS, W. Middlesex, PA	DX375, DX160A, NCX20, 65' LW Sloper
George MAROTI, Mt Kisco, NY	R8B, 2010, T2FD 30/45 dipoles
David M MARTIN, MD, Atlanta, GA	RX-320, Eavesdropper trap dipole
William McGUIRE, Cheverly, MD	DX-380
Bob MONTGOMERY, Levittown, PA	NRD535D, R390A, RX-320, SE3, active antenna
Ed NEWBURY, Kimball, NE	WJ-1000, R8, 60' sloper, 20' loop
Mike PACE, Tipton, IA	Drake SW2, MFJ1022
Sheryl PASZKIEWICZ, Manitowoc, WI	
Betsy ROBINSON, Clinton, TN	Sony 2010 Indoor antenna
Chuck RIPPEL, Cornland, VA	WJ-HF1000A R8B R390A/SE3 51s-1 LWS
David ROSS, Hamilton, ONT	Drake R8, Icom IC75, 50' inverted "L" antenna
Jennifer WEINBRUM, Denver, CO	
Gerald WITHAM, Keaau, HI	no equipment listed

Due to situations beyond my control, some contributors and loggings may be missing from the list this month. Hopefully that will be corrected next month. I hope you and yours have a great Thanksgiving Holiday. Good DXing

73

Bob Montgomery




Tropical Band Loggings

Sheryl Paszkiewicz • 314 Riverview Drive, Apt 16 • Manitowoc, WI 54220 • sherpsz@aol.com

New e-mail addr: sherpsz@aol.com

- 2310 AUSTRALIA ABC 9/29 1213 Olympics, p-f (Line-KS)
 2325 AUSTRALIA ABC 9/29 1213 Olympics, p-f (Line-KS)
 2410 NEW GUINEA R Enga 10/8 1248 local pops, poor (Line-KS)
 2485 AUSTRALIA ABC 9/29 1213 Olympics, fair (Line-KS)
 *2899.1 INDO RPD Bajawa 9/29 1212 RRI nx //others, p-f, hrd sev times since (Line-KS) Wow!
 2960 INDO RPD Ruteng 9/29 1213 RRI nx //others, poor (Line-KS)
 3235 NEW BRITAIN RWNB 9/27 1036 island mx, ID, nx 1100 (D'An-PA) 10/8 1249 local mx, no ute (Line-KS) 9/14 1040 Whitney Houston, anmt, C&W poor (Maro-NY)
 3240 SWAZILAND TWR 9/21 0340 talk in SeSotho, IS (Bran-NJ) 9/26 0345* lang drama, Rock of Ages on organ, ID (Pasz-WI)
 3260 NEW GUINEA R Madang 9/28 1156 OM in lang, poor (Line-KS)
 3265 SULAWESI RRI Gorontalo 10/8 1240 YL in IN, pops (Line-KS)
 3275 PAPUA R S Highlands 10/6 1216, local mx under ute (Line-KS)
 3290 NEW GUINEA R Central 9/24 1054 chorus, talk, weak (Maro-NY)
 3305 NEW GUINEA R Western 10/8 1249 local mx, poor (Line-KS)
 3315 ADMIRALTY ISL R Manus 9/28 1156 local pops, poor (Line-KS)
 3316 SIERRA LEONE SLBS 10/12 2220* ads, promos, ID, TC, drums & ID national nx, abruptly cut off at end of nx (Maro-NY)
 3325 KALIMANTAN RRI Palangkaraya 10/6 1215 RRI nx //others (Line-KS)
 3335 NEW GUINEA R Simbu 9/28 1155 pops, poor (Line-KS)
 3366 GHANA GBC 10/1 0533 chorus, ID, FC, drum IS, TP, EG nx (Bran-NJ)
 *3380 MALAWI MBC 9/16 0330 EG/lang read ltrs, nx, Afr mx, tent ID, off in mid-song (Mont-PA) 9/27 0250 NA, poss EG nx, Radio 1 ID, gospel-ish mx, Kumbayah, MBC ID, TC, ment Blantyre (Bran-NJ)
 3385 NEW BRITAIN RENB 9/22 EG nx, weak, talks, pop mx, tent ID (Mont-PA) 10/8 1242 lang local mx, fair (Line-KS)
 3395.1 SUMATRA RRI Tanjungkarang 10/6 1213, RRI nx, fair (Line-KS)
 3905 IRIAN JAYA RRI Merauke 10/6 1212 RRI nx, fair (Line-KS)
 3905 NEW IRELAND R New Ireland 9/24 1039 strongest PNG besides 4890 mixing w/Merauke, chorus & organ mx (Maro-NY)
 3959 SULAWESI RRI Palu 10/8 1243 IN talk, mx, p-f (Line-KS)
 3976 KALIMANTAN RRI Pontianak 9/29 1214 RRI nx, f-g (Line-KS)
 3986 IRIAN JAYA RRI Manokwari 9/28 1159 SCI, nx, poor (Line-KS)
 4000.1 SULAWESI RRI Kendari 10/8 1243 IN talk, mx (Line-KS)
 4300 PERU Rdf Comercio Naranjos 9/22 1021 ballads, huaynos, brief anmt, TC partial ID, tnx Mohrmann (Maro-NY)
 4606 IRIAN JAYA RRI Serui 10/8 1243 IN pop vocals (Line-KS)
 4750.1 PERU R San Francisco 9/22 1035 Peruvian mx, poss ID, weak (Mont-PA)
 4753 SULAWESI RRI Makassar 10/8 1244 OM in Indo, good (Line-KS)
 4760 KASHMIR AIR Leh 10/6 1226 subcont mx, poor (Line-KS)
 4770 NIGERIA R Kaduna 9/26 2234 jazz pgm, NA to 2300* (Ross-ON)
 4789 IRIAN JAYA RRI Fak-Fak 10/8 1244 Indo vocals (Line-KS)
 4790 INDIA AIR Chennai 10/3 0032 strong w/subcont mx, tnx Rippel (Maro-NY)
 4800 INDIA AIR Hyderabad 10/3 0037 nx in EG //5010, academic pgm (Maro)

- 4800 **LESOTHO R Lesotho** 9/18 0354 talk, piano bridge, 2+1 TP, ID (D'An-PA) 9/26
0400 TP, ID, nx in lang (Pasz-WI)
- 4820 **HONDURAS LV Evangelica** 10/9 0145 poss sermon in SP (Lino-PA)
- 4845 **GUATEMALA R Kekchi** 10/7 0200 SP EZL mx (Lino-PA)
- 4875 **BRAZIL R Roraima** 9/13 0008 PT mx, full ID & freq anmt (Bran-NJ)
- 4885 **BRAZIL R Clube** 10/10 0145 PT w/samba mx (Lino-PA)
- 4890 **PAPUA Karai R** 10/8 1248 EG pops, good (Line-KS)
- 4895 **SARAWAK R Malaysia** 10/8 1247 OM in lang, fair (Line-KS)
- 4914.7 **PERU R Cora** 9/30 0435 mx, talk, Ids, TC, exc (Bran-NJ)
- 4915 **BRAZIL R Anhanguera** 0250 PT nx commentary (Lino-PA)
- 4920 **INDIA AIR Chennai** 9/29 1217n subcont mx, poor (Line-KS)
- 4925 **SUMATRA RRI Jambi** 10/8 1245 mx, Indo talk (Line-KS)
- 4930 **DOMINICAN REP R Barahona** 10/8 0145 Ids, shouted Santo Domingo! (Lino-PA)
- 4950 **ANGOLA R Nacional** 9/17 0318 talk, dance mx, Bob Marley, ID (Bran-NJ)
- 4950 **KASHMIR AIR Srinigar** 10/3 0048 devotional songs (Maro-NY)
- 4960 **DOMINICAN REP R Villa** 10/9 0130 SP lively pop mx (Lino-PA) 9/26 0405
vocals, shouted anmts (Pasz-WI)
- 4960 **VANUATU R Vanuatu** 9/21 1018 anmts, soft mx, C&W, TC, ID (Mont-PA)
- 4976 **UGANDA R Uganda** 9/18 0345 tribal singing, SH talk, ID during nx (D'An)
- 4992.4 **PERU R Ancash** 9/22 SP financial talk, f-g, drifting each day (Mont-PA)
- 5003.4 **RIO MUNI R Nacional** 9/18 2140 SP talk, ID, Congolese mx (Bran-NJ)
- 5010 **INDIA AIR Thiru.** 9/13 0013 carrier, IS, Vande Mataram, mx, EG ID, nx
vy weak (Bran-NJ)
- 5020 **COLOMBIA Ecos del Atrato** 9/10 0230 ment Colombia, ID, ment Clinton, ID again
(Mont-PA) 9/26 0325 anmts, sfx, nx, ment Colombia (Pasz-WI)
- 5025 **BENIN R Parakou** 9/22 2150 Western soul mx, FR talk, poss ID, mixing
w/ Cuba (Bran-NJ)
- *5030 **BHUTAN BBS** 9/26 1330 OM anmts, subcont mx, muffled low tones, EG till past
1400, China almost non-existent this day (Wein-CO)
- 5050 **TANZANIA R Tanzania** 9/18 0332 nx, ID, remote reporters (D'An-PA)
- 5440 **CHINA Xinjiang PBS** 9/11 2330 IS on synth, vy poor, tnx Novello (Bran-NJ)
- 5816.7 **EURO PIRATE unid** 10/1 2116 polkas & ballads, poss DT talk (Hill-MA) 

FOR SALE: Drake R8B in excellent condition. Low mileage. Will sell to best acceptable offer. Willis Jarrel, Jr. Email at <wjw@tyler.net> or phone (903) 593-4000 during regular business hours.

International Band Loggings

Wallace C. Treibel • 357 N.E. 149th Street • Seattle, WA 98155 • nwhikers@uswest.net

- 5955 CONGO *R Congo* in FR 2158, local mx, ment Congo, ID, mixing with R Liberty (Brandt NJ 9/18)
- 60251 NIGERIA *R Nigeria* Enugu in EG 2125, nx, cmntry, singing jingle, full ID (Brandt NJ 9/14)
- 60499 NIGERIA *R Nigeria* Ibadan 2158-2255, live celebration, mx sels, ID's.... "the station with a vision" reggae mx and oldies, splatter QRM 2300 (D'Angelo PA, Montgomery PA, Martin GA, Brandt NJ)
- 6060 ARGENTINA *R Nacional* in SP 2345, political/econ tlks, pgm note, pips, ID, noticias (Clar NY 9/23)
- 6090 NIGERIA *R Nigeria* Kaduna in Hausa 2130, talks, many mentions of Kaduna (Brandt NJ 9/13)
- 6095nf SOUTH AFRICA *Chan Africa* in SH 0305, tlk, ID, mx, Olympic team results, p (Witham HI 9/18)
- 6115 BOTSWANA *VOA* relay in EG *0258, opening ancmts, nx, "Daybreak Africa" (D'Angelo PA 9/25)
- 61152 COLOMBIA *LV del Llano* in SP 0240, lively Latin vcls, TC's, ID's, f with QRM (D'Angelo 10/3)
- 61202 BRAZIL *R Globo* São Paulo in PT 2352, tlk, ancmts, slogans, promos, ID, f (Clar NY 9/13)
- 6130 LAOS *Lao National Radio* in Laotian 1200, 7 loud gongs, nx, ID (Rippel VA 10/7, D'Angelo 10/3)
- 61352 BRAZIL *R Aparecida* in PT 2356, tlk, promos, ads, slogans, ID's w/jingle, some QRM (Clar NY 9/13)
- 6145 CANADA *R Japan* relay in EG 0037, mail, mx, ID, nx, tlk on good eating (Newbury NE, Levison PA)
- 6145 SOUTH AFRICA *African Beacon* relay Meyerton in EG 1710, emotional preaching, fqy, sked, web QTH, ID, p (Witham HI 8/30)
- 6165 NETHERLANDS ANTILLES *R Nederland* relay Bonaire in EG 0030, mx, ad,TC, Euroquest program, world & econ nx, wx rpt, cmntry on Trieste (Fair VENEZ 9/19, Levison PA)
- 6165 CHAD *R Nac Tchadienne* in FR 2153, local mx, tlk, ID's, NA, mixing w/Zambia (Brandt NJ 9/13)
- 6175 CANADA *BBC* relay Sackville in EG 0035, mx pgm, ID, world nx, rpt on elections in Yugoslavia (Fair VENEZ 9/19, McGuire MD 9/27)
- 6175 CANADA *BBC* relay Sackville in EG 0341, cmntry on OPEC/ world oil situation, exc (Pace IA 9/12)
- 6458usb PUERTO RICO *AFRTS* relay in EG 0120, Olympic basketball, promo-savings bonds (Newbury NE)
- 65361 PERU *R Dif Huancabamba* in SP 0201*, tlks, OA folk mx, ID, abrupt s/off, f (Alexander PA 9/16)
- 66731 PERU *R Andina* in SP 0302*, tlks, OA folk mx, SP ballads, ID, NA at s/off, f (Alexander PA 9/30)
- 69566 PERU *LV del Campesino* in SP 0301*, tlks, ID's, rustic OA mx, NA at s/off, g (Alexander 9/30)
- 6969 COSTA RICA *RFPI* in EG 0420, speech abt bears, ID, QTH, folk song abt plight of the bear in Canada, interview, Ralph Nader speech, armchair copy (Montgomery PA 9/24)
- 7110nf TURKEY *V of Turkey* Ankara in TK 2110, discussion, ME style mx, f-g (Fair VEN 9/16)
- 7125 GUINEA *R Nac de Guineene* Conakry in FR 2400*, Afro pop mx, tlks, ID, NA, g (Alexander PA 9/9) in FR 0010, Mideast style mx (Linonis PA 9/16)
- 7150 ITALY *V of the Mediterranean* relay Rome in EG 0600, nx w/mx breaks, tlk abt horseman who lives on Malta, tlks re recent UN meetings, ID 0628 w/guitar mx interlude, off 0630 (Montgomery PA 9/14)
- 7165nf CHINA *China R Int* in EG 0525, tlks abt teaching, "New Dynamic English", and "Functioning in Business", tlk re checking into a hotel using a reservation, abrupt off 0630 (Montgomery PA 9/24)
- 71652 NEPAL *R Nepal* Kathmandu in Nepali? 0003, 2+1 pips at 0015, ID, tlks, sub-cont type mx played on flute, hrd also on //5005, weak signal, intermittent audio on both fqys (Hill MA 9/14, Rippel VA 10/3)
- 7195 MOROCCO *VOA* relay in EG 0540, US denies spying by US businessman, //6080 (Newbury 9/18)
- 7255 NIGERIA *V of Nigeria* in EG 0640, world and regional nx, cmntry on agriculture in Nigeria, sports data, soccer, Olympics, cricket nx, ID, nice Afro mx, poor sig w/fades (Montgomery PA 9/14)


- 7260 **VANUATU R Vanuatu** Port Vila in EG 0605, taped relig pgm, afterwards live pgming in lang with mx, tlks, interviews, booming signal (Martin GA 10/1) ED: Incredible signal with 2.5 kw xmt!
- 7410 **INDIA AIR** Bangalore in EG 2210, tlk on world oil prices, ID, local nx, human interest stories, tlk on problems w/apartments in Singapore, strong but overmodulated signal, //11715 (Montgomery 9/28)
- 9345 **ISRAEL Reshet Bet Home Service** in HB 2345, telephone call-in pgm (Linonis PA 9/15)
- 9410 **CYPRUS BBC** relay in EG 2200, special bcst in Serbian 2200 re overthrow of Slobodan Milosevic & successor Kostunica, tape of Tony Blair in EG, ID, fqy, IS at close (Brandt NJ 10/5)
- 9475 **EGYPT R Cairo** in EG 0200, time pips, ID, pgm sked, AR mx, g (McGuire MD 10/11)
- 9495 **SWEDEN R Sweden** in EG 0329, ID, rpt on Nobel prize, "60 Degrees North", //15245 (Flynn OR 10/7, McGuire MD 10/10)
- 9515 **CANADA BBC** relay Sackville in EG 1245, "News Hour", romantic fiction for men (Newbury 9/28)
- 9560 **HUNGARY R Budapest** in EG 0100, ID, "Hungary Today", nx, ment Milosevic, g (McGuire 10/10)
- 9580 **GABON Africa No. 1** in FR 0015, African pop mx, several ID's, nx headlines (Linonis PA 9/17)
- 9595 **JAPAN R Tampa** Tokyo in JP 1030, excited tlk in JP (drama?), //6030 (Martin GA 9/24)
- 9605 **VATICAN STATE Vatican Radio** in EG 0352, cmntry on Australia's involvement in Olympic games, //7305 (Newbury NE 9/16)
- 96301 **BRAZIL R Aparecida** in PT 0006, continuous mx, canned ID, tlks, ads, US pops w/ancmts over top of tunes, interesting echo sound effects, strong signal w/rapid fades (Montgomery PA 9/17)
- 9635 **IRAN VOIRI** Sirjan in EG 1620-1630*, tlk on poetry, mideast mx, p, //11775 (Witham HI 9/16)
- 9655 **AUSTRIA RAI** Vienna in EG 0130, ID, rpt on elections in Yugoslavia, g (McGuire MD 10/10)
- 9675 **PAPUA NEW GUINEA NBC** Port Moresby in EG 0800, nx, ads, mx w/host (Martin GA 9/30) in EG and Pidgin 1000, ABC Australia nx relay, exc (Linonis PA) in EG 1310, ID as "Kara National Radio" 1970's rock mx, TC, NA at 1401 s/off (Brandt NJ 9/30)
- 9675 **ITALY RAI** Rome in IT 0130, ID, fqy, sked, nx, Olympics nx, //11800 (McGuire MD, Newbury NE)
- 9690 **SPAIN China R Int** relay in CH/EG 0257, end of CH svce, IS, ID, features in EG (McGuire MD 9/27)
- 9785 **TURKEY VOT** Ankara in EG 1837, nx, ID, Turkish press review, f with QRN (Clar NY 9/16)
- 9800 **CHINA CNR-1** Shijiazhuang in CH 2209, nx?, f, //9830 Beijing and 9845 Beijing (Hill MA 9/30)
- 9925 **GERMANY Croatian R** relay in EG 0115, Croatia seeks UK investm'ts/tourism (Newbury NE 9/29)
- 11570 **RUSSIA IBC Tamil** relay Novosibirsk in EG/Tamil 0100*, some nx in EG hrd (Martin GA 10/1)
- 11590 **CHINA China Huayi BC Corp** Chengdu in CH 1601*, oldies, ID in EG at s/off, f (Flynn OR 9/14)
- 11615 **CZECH REPUBLIC R Prague** in EG 0000, multi-lang ID's, IS, then into nx pgm (Linonis PA)
- 11675 **ANTIGUA BBC** relay in EG 2120, rpt on Caribbean affairs, political nx, ID, g (McGuire MD 10/9)
- 11680nf **JORDAN R Jordan** Amman in EG 1040, Sunday Brunch, mx sels, QRM from CRI (Martin GA 9/24)
- 11745 **TAIWAN VO Asia Taipei** in IN 1700*, tlk, regional mx, lang lesson, f, //7445 (Witham HI 9/16)
- 11760 **INDONESIA RRI** Jakarta in IN 1009, nx pgm, //15125 (Brandt NJ 10/4)
- 11865 **CYPRUS BBC** relay in SH 0200, IS, ID, Big Ben chimes, world nx, g (McGuire MD 10/9)
- 11885 **ROMANIA RRI** Bucharest in RM *0600, ID's, nx, instruments, tlks, f (Witham HI 9/3)
- 12045 **RUSSIA R Chechnya Svobodnaya** St Petersburg in RS 1857, ID 0900, mx, tlks (Martin GA 9/16)
- 12055 **VATICAN STATE Vatican R** in EG 0140, relig pgm, rpt on developing countries, g (McGuire 9/25)
- 12065 **MOLDOVIA V of Iran** relay in Farsi 1715, ME mx, many ments Iran, abrupt off 1730, p (Witham 9/2)
- 13362usb **GUAM AFN** relay Barrigada in EG 0655, pop mx, ID, rpt on black hole in our galaxy (Witham 9/19) in EG 1555, pgm titled "One minute of American History", g (Flynn OR 9/24)
- 13640 **TURKEY VOT** Ankara in TK 2350, tlk, local mx, ID, into nx at 0000 (Linonis PA 9/16)
- 13690 **GERMANY Deut Welle Wertachtal** in EG 0405, nx, rpt on Yugoslavia, ID, f (McGuire MD10/10)
- 13725 **CANADA RT Eireaan** relay Sackville in EG 1830, nx re Eire, Olympic team results (Witham 9/18)
- 13745 **IRAN VOIRI** Kamalabad in EG 2200, tlks on Iran policies, political tlks, cmntry on OPEC and its dealings with western countries related to oil production, mx interludes, exc (Montgomery PA 9/28)
- 13770 **FINLAND YLE Radio Finland** in EG 0105, nx re Pori Jazz Festival and Finnish auto race driver Mika Hakkinen, cmntry on DVD technology in Finland, Finnish stocks down (Linonis PA, Newbury NE)

- 13790 **PORTUGAL** *Deut Welle* relay Sines in FR1655, mx, translated speech, ID, g (Witham HI 9/2)
- 15160 **ALGERIA** *R Algiers Int* in EG 2000, ID, into nx re Muslim rebels in the Philippines (Linonis PA)
- 15160 **PHILIPPINES** *VOA* relay Tinang in EG 1316, "News Now", tlk abt US elections, ID (Clar NY 9/16)
- 15200 **UZBEKISTAN** *R Tashkent Home Service* in Uzbek 0445, AR style mx, tlks, IS at TOH repeated two times, difficult copy due to QRM from VOA 15205 and WSHB on 15195 (Brandt NJ 9/11)
- 15265nf **UNITED KINGDOM** *UN Radio* relay in EG 1738, magazine pgm, ID's, closing ancmt for bcst to Africa, brief snippet of what sounded like BBC IS before xmtr went off (Brandt NJ 10/6)
- 15395 **THAILAND** *R Thailand* Udon Thani in EG 0050, rpt on appeal of York Univ. in Toronto to Thai students, Olympic nx, ID, into Thai lang at 0100 (Clar NY 9/16, Linonis PA)
- 15425 **SRI LANKA** *SLBC* in EG 0057, big band mx, ID, TC, fqys, "Welcome to My World", mx, greetings to various listeners, 6 time pips & another ID at BOH, //9770 (Clar NY 9/16, Montgomery PA 9/24)
- 154509 **PAKISTAN** *R Pakistan* Karachi in Tamil *0301, tlk, lcl mx, many ments of Pakistan (Witham 9/12)
- 15455 **USA** *V of Greece* relay Delano, CA in EG 1619, GK mx, interview re holocaust (Newbury NE 9/16)
- 15545 **CZECH REPUBLIC** *R Prague* in FR 2200, IS, ID, into nat'l & regional nx, p (McGuire MD 9/19)
- 17525 **PAKISTAN** *R Pakistan* Islamabad in EG 1100, 3 pips TOH, ID, nx re flash floods, medals standings at Sydney Olympics, into Urdu after nx, weak signal w/fades (Montgomery PA 9/20)
- 17580 **GERMANY** *Swiss R Int* relay in EG 2005, rpt on immigration in Switzerland, econ nx (McGuire 9/25)
- 17595 **RUSSIA** *V of Russia* relay Petropavlovsk in EG 0125, harpischord mx, nx, ID (Newbury NE 9/29)
- 17670 **INDIA** *AIR* Bangalore in EG 1750, regional mx, ID, nx, exc (Witham HI 9/18)
- 17675 **NEW ZEALAND** *RNZI* in EG 0105, nx, Olympic update, ID's, f-p w/fading (Clar NY 9/16)
- 17685 **SRI LANKA** *VOA* relay Iranawila in EG *0300, world nx, "News Now" pgm, p (D'Angelo PA 9/25)
- 17705 **USA** *V of Greece* relay Delano, CA in GK 1828, tlk, GK mx sels, exc (Levison PA)
- 17725 **LIBYA** *V of Africa* Sabrata in EG 1727, nx, EG xmsns of nx seem to vary from day to day, heard at 1740 day later, good level but muddy audio (Alexander PA 9/9-10)
- 17735 **TUNISIA** *R Tunis* Sfax in AR 1510, excited tlk in AR with crowd cheering, sports? (Martin GA 9/13)
- 17810 **ANTIGUA** *Deut Welle* relay in GM 2000, IS, ID, nat'l & regional nx, ment Barak (McGuire MD 9/19)
- 17835 **JAPAN** *R Japan* Tokyo in EG 0018, tlk, Olympic rpts, ID's, p-f, //9515 (Clar NY 9/16)
- 17895 **MOROCCO** *VOA* relay in EG 1855, Appalachian mx of Mother Etta, //15580 (Newbury NE 9/26)
- 18980 **USA** *WYFR Family* R Okeechobee, FL in EG 1710, relig mx, sermon, ID, exc (Fair VEN 9/16)
- 21470 **CYPRUS** *BBC* relay Limassol in EG 1620, cmntry, nx, ID, fair signal w/fading (Fair VEN 9/16)
- 21745 **CZECH REPUBLIC** *R Prague* in EG 1130, rpt on blood needs, ID, interview of Czech Olympic team, "Czech's in History", tlks with shoe maker, fair signal w/some fading (Montgomery PA 9/20)
- 21795 **THAILAND** *R Thailand* Udon Thani in EG 0535, nx, rpt on the importance of Thailand's resources, g (Witham HI 8/31)
- 21830 **PORTUGAL** *RDPI* Lisbon in PT 1428, guitar w/female vcls, nx at TOH, phone-in (Levison PA 9/2)
- 25870 **USA** *KPM360* Tampa, FL in EG 2340, relay of MW bcst of live baseball game, p (Flynn OR 9/29)

Clandestine, Tentative, Presumed, or Unknown

- 6045 **UNIDENTIFIED** *BBC* in EG 2250, "The World Today" w/Oliver Scott, off at end of pgm, xmtr site unknown and fqy unlisted as of date of reception (Brandt NJ 9/13)
- 6160 **BRAZIL**(p) *R Rio Mar*(p) in PT 2250, ads, soccer match, off at 2302 w/o ID, p (Fair VEN 9/17)
- 6170 **BRAZIL**(p) *R Cultura* São Paulo(p) in PT 2240, classical mx, ancmts, ads, ID?, p (Fair VEN 9/17)
- 6617 **UNIDENTIFIED** Long tlks by OM in lang? 0128, abrupt s/off 0130 (Rippel VA 10/3)
- 69951 **IRAQ**(t) *Clandestine VOT People of Kurdistan* in AR 0320, tlk, Mideast mx, p (Witham HI 9/19) ED: Interesting. This one is listed on 6980 from 0245-2100 and on 6995 from 1400-1900. Probably use the two fqys interchangeably.
- 7325 **RUSSIA**(t) *R Nalchik* via Armavir relay(t) in Kabardino 1720, tlks, ID?, regional mx, p (Witham 9/4)
- 7325 **UNITED KINGDOM**(p) *Global Sound Kitchen* relay Skelton(p) in EG 2130, avant garde mx, faded in and out, no ID rptd (Martin GA 9/15)

- 7350 CHINA(p) *Heilongjiang PBS*(p) in Mandarin 0958-1100, ezl instrum'l theme mx, pips at TOH, tlks, theme mx hrd several times during the hr, mx passages OK but speech unintelligible (Maroti NY 9/8)
- 7450 ALGERIA(p) *Nat'l R Saharan Democratic Republic*(p) in AR 2300, tlks, mx, into SP 0000, no ID rptd for this presumed clandestine station (Martin GA 10/2)
- 95685 SAUDI ARABIA(p) *V of the Iraqi People Jeddah*(p) in AR? 0305-0314*, Koran at tune in, tlk, s/off with Iraqi NA, vg, no //s heard or ID rptd (Alexander PA 9/9)
- 12150 CHINA *Falun Dafa R* (clandestine) in CH *2200, concluding test tone and s/on with slow, clear ID of "Shijie Falun Dafa diantai", then into tlk by YL, quite strong but low audio, motor-like jamming began at 2203, no listed //s found (Hill MA 9/30)
- 15060nf? TAIWAN(p) *WYFR* relay(p) in HD/EG *0000-0100, xmtr site presumed but pgm consistent with WYFR's pgm sked listed for 15165, high pitched vcls at 0054 similar to HD film mx, WYFR's IS and ID in EG 0100, weak signal, extremely choppy (Hill 9/3+, MA, Maroti NY 9/28-29, NY)
- 15405nf NORTHERN MARIANAS *R Free Asia* relay Saipan in Lang?1840, tlks, mx, EG ID (Witham HI 9/13)
- 154755 ANTARCTICA(p) *R Nat'l Archangel Base Esperanza*(p) in SP 1820, vocals, signal too weak to ID, p (Witham HI 9/13)
- 15550 IRAN(p) *Radio International* in Farsi 1700-1730*, AR mx, reportedly xmtg from Iran, many ID's for this clandestine station, s/off w/phone # and web site URL, apparently this station has been listed erroneously as R Antena National relayed from Moldova (Martin GA 10/7)
- 15760 ISRAEL(t) *Galei Zahal* feeder(t) in HB? 0640, pop mx, ads, phone tlk, ment Shalaam, p (Witham 9/18)
- 17735 - TUNISIA(t) *RTV Tunisienne*(t) in AR 1615, sporting event, crowd reactions, g (Witham HI 9/23)

Best wishes to all for a happy Thanksgiving holiday from ye olde IBL editor! I hope to return in one piece from my vacation trip to Halifax, NS by November 1 and look forward to a plethora of fine DX loggings from you all. 

WE WOULD LIKE TO WELCOME THE FOLLOWING NEW MEMBERS TO NASWA

DR. HENRY STEIN, Campbell, CA
WARREN ROWE, Temple, TX
FR. DAN CARROLL, Chicago, IL
ANDREW J. YAKUBIK, Wilburton, PA
JAMES GIBNEY, Mount Sinai, NY
ERIC COOPER, Mission Viejo, CA
RICHARD H. ADIN, Poughkeepsie, NY
JOSEPH P. PHATUROS, Pittsburgh, PA
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BARRY S. EPHRAIM, Worcester, MA
JOHN GOEGL, Newfoundland, PA
LEONARD INSALACO, West Pittston, PA
ROBERT S. SWAN, LaVale, MD
H.D. BALFOUR, Richmond Hill, ONTARIO
RICHARD D. ROTHAR, Metuchen, NJ
PAUL W. MANNING, East Boston, MA
ROY ABRAMOWITZ, La Jolla, CA
DONALD E. DVORAK, North Branch, MN
JAMES J. JEMMOTT, St. Croix, VI
ED ROTHSTEIN, Baltimore, MD
GEORGE McCORMICK, East Cleveland, OH
HOWARD P. SPEI, Willoughby, OH

WORLD OF RADIO and CONTINENT OF MEDIA SHORTWAVE-ONLY SCHEDULE
effective October 29, 2000

NOTE: This takes into account one UT hour later non-DST time shifts on WWCR and WBCQ; and new registered frequency schedule of RFPI not yet in effect as of October 27. For RFPI airings, also check previous 15049, and alternates 6970, 5920. In areas going off DST, WBCQ and WWCR airings seem to stay at the same local clock time, and RFPI seems one hour earlier. In areas making no time change, WBCQ and WWCR airings are one hour later, and RFPI stays the same.

Thu 0030 WOR WBCQ1 7415
Thu 0130 COM RFPI 7480 15065 21815-USB
Thu 2130 WOR WWCR 15685 [from Dec: 9475]
Fri 1030 WOR WWCR 7435
Fri 1900 COM RFPI 21815-USB
Fri 1930 WOR RFPI 21815-USB
Fri 2130 WOR WBCQ2 9335-CUSB [irregular]
Sat 0130 WOR WWCR 3215
Sat 0300 COM RFPI 7480
Sat 0330 WOR RFPI 7480
Sat 1230 WOR WWCR 15685
Sat 1730 COM RFPI 21815-USB
Sat 1800 WOR RFPI 21815-USB
Sun 0130 COM RFPI 7480 15065 21815-USB
Sun 0200 WOR RFPI 7480
Sun 0330 WOR WWCR 5070
Sun 0728 WOR WWCR 5070
Sun 1930 WOR WWCR 15685
Sun 2300 WOR RFPI 15065 21815-USB
Mon 0100 WOR WWCR 3215
Mon 0601 WOR WWCR 3210
Mon 0700 WOR RFPI 7480
Mon 1500 WOR RFPI 21815-USB
Mon 2200 COM RFPI 15065 21815-USB
Tue 0600 COM RFPI 7480
Tue 1200 WOR WWCR 15685
Tue 1400 COM RFPI 21815-USB
Tue 1900 WOR RFPI 21815-USB
Tue 2000 COM RFPI 15065 21815-USB
Wed 0300 WOR RFPI 7480
Wed 0400 COM RFPI 7480
Wed 1200 COM RFPI 21815-USB

For latest revision of this version see

<http://www.angelfire.com/ok/worldofradio/wormassw.html>

For pending revision of Master Time Schedule including WRN satellite, AM and FM, Spanish broadcasts see:

<http://www.angelfire.com/ok/worldofradio/wormast.html>

WORLD OF RADIO homepage:

<http://www.angelfire.com/ok/worldofradio>

WOR on demand:


<http://www.wrn.org/ondemand/worldofradio>

COM on demand:

<http://DXing.com/conmedia.htm>

I hope this helps you keep listening without missing any WOR or COM programs. Regards, Glenn Hauser

14th Annual Winter SWL Fest

Sponsored by 

March 9-10, 2001

Best Western—The Inn at Towamencin
(formerly Holiday Inn),
Sumneytown Pike, Kulpville, Penna.

Plan to attend your favorite forums Friday and Saturday. Enjoy meeting with your friends in the Hospitality Room. Bring radio related items for the swap meet or to donate for the Silent Auction. Check out your friends' receivers, bring one of your own for others to try!

No frills; just shortwave, longwave, mediumwave, pirates, and scanning. Once again you will enjoy the camaraderie of your hobby friends.

The new year brings a few changes to the 'Fest. First is that the name of the hotel has changed. The location and staff are still the same, however, and so, presumably, is the excellent service we get every year. Second, lunch on Saturday has been upgraded to a pizza & salad buffet. Third, there is now an incentive for you to pre-register, as prices are more expensive for those who wait. Registration options are also more flexible, with new one-day and student registrations.

Early Registration (rec'd by March 2, 2001)

Full registration: **\$43**
Two-day Partial (no meals): **\$17**
One-day Partial (no meals): **\$9**
Full spouse/son/daughter: **\$28**
Banquet only spouse/son/daughter: **\$16**
Student (w/ valid ID, no meals): **\$5**
Many things, like the raffle, remain the same:

Late or On-Site Registration

Full registration: **\$50**
Two-day Partial (no meals): **\$20**
One-day Partial (no meals): **\$10**
Full spouse/son/daughter: **\$35**
Banquet only spouse/son/daughter: **\$20**
Student (w/ valid ID, no meals): **\$5**

GRAND PRIZE To be announced

SPECIAL Register early to win a sw portable! One free entry for an early-bird registration received by February 12, 2001.

Please bring items for the Silent Auction. Proceeds are donated to charity.

Checks should be made payable to WINTER SWL FEST. Register directly with the hotel for your rooms by calling the Holiday Inn at (215) 368-3800. For 2001, one special rate \$75 single or double! Tell the hotel staff you're with the WINTER SWL FEST to receive this special room rate. *You must make your reservation directly with the hotel to receive this rate; reservations via the Best Western 800 number or web site are not eligible for this rate.* Up to the minute info. can be found on the Winter SWL Fest Web Page at <http://www.trsc.com/winterfest.html> or from <http://www.anarc.org/naswal/>.

The Best Western—The Inn at Towamencin is located at Exit 31 of the PA Turnpike Northeast Extension-Lansdale Interchange. Improved access from the south with the Blue Route (I-476)—ask for details. Limo service is available from Phila. Intl Airport directly to the hotel.

Please submit the following form with your registration amount or send for more information to:

SWL WINTERFEST
P.O. Box 4153
Clifton Park, NY 12065

NAME: _____ (SPOUSE'S NAME) _____

ADDRESS: _____

CITY: _____ E-MAIL: _____ (REQ. FOR REG. CONFIRMATION)

REGISTRATION:	BANQUET:	Registration Fee Enclosed \$ ____
___ Full (\$43)	___ Roast Beef	Raffle Tickets Fee Enclosed \$ ____
___ Two-Day Partial (\$17)	___ Chicken	Total Check/Money Order \$ ____
___ One-Day Partial (\$9)		
___ Spouse (\$28)	RAFFLE TICKETS:	<i>Registration cancellations after</i>
___ Banquet only (Spouse) (\$16)	___ raffle tickets, please	<i>2/28/2001 cannot be refunded,</i>
___ Student (\$5)	(\$1 ea./ 6 for \$5/ 13 for \$10)	<i>however we will refund raffle ticket</i>
		<i>money if you have to cancel.</i>

the **CPRV** page

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J A V A

Long distance stations **Low power local stations**

	Call	Station	Frequency	Wave-length	Power
1.	YDA	Tdt. Priok	3040 kc	98.68 M.	10,000 watt
	YDB	Soerabaja	9810 kc	31.2 M.	1,500 watt
			(between 00.30-07.00 G.M.T. on 25.3 M or 11.860 kc)		
3.	PMN	Bandoeng	10260 kc	29.24 M.	1,500
4.	PLP	Bandoeng	11000 ..	27.27 ..	1,500

25 SDC 1530 14.8 - 3400
24 PMH 6720 14.6 - 1500

This is to certify that your report, dated 22-10-26
received at Bandoeng/Batavia/Soerabaja 18-12-26

gives the details of our Bandoeng/Batavia/Soerabaja program on
the date of mailing; to that program you have been listening
through station number 2 of this list.

	Call	Station	Frequency	Wave-length	Power
5.	YDE2	Solo	4810 kc	62.37 M	100 watt
6.	YDA2	Batavia	2385 ..	125.78 ..	150 watt
7.	YDD3	Batavia	1585 ..	189.27 ..	50 watt
8.	YDA3	Buitenzorg	1640 ..	182.93 ..	25 watt
9.	YDA4	Soekaboemi	1250 ..	193.55 ..	25 watt
10.	YDA5	Bandoeng	2500 ..	120.00 ..	75 watt
11.	YDD2	Bandoeng	1650 ..	144.09 ..	25 watt
12.	YDA6	Cheetton	2870 ..	104.53 ..	15 watt
13.	YDA7	Pekalongan	2770 ..	91.74 ..	15 watt
14.	YDB2	Semarang	2450 ..	122.45 ..	150 watt
15.	YDE3	Semarang	2710 ..	110.7 ..	15 watt
16.	YDB4	Tjepoe	1615 ..	185.76 ..	25 watt
17.	YDB7	Soerabaja	1530 ..	196.08 ..	75 watt
18.	YDE4	Soerabaja	2415 ..	124.22 ..	75 watt
19.	YDB6	Malang	1570 ..	191.08 ..	100 watt
20.	YDB5	Solo	1595 ..	188.09 ..	25 watt
21.	YDB3	Diokja	1660 ..	180.72 ..	100 watt
22.	YDE5	Diokja	2350 ..	127.66 ..	25 watt

This is the inside page of a 1936 QSL folder from NIROM, the Netherlands Indies Broadcasting Co., Ltd., Batavia (now Jakarta), Indonesia. The organization started broadcasting officially on March 31, 1934 with four stations, and grew to 22 in 18 months. The most powerful transmitter was the "Archipelago" station in Batavia. The Batavia and Surabaya stations used non-directional antennas. The NIROM station in Bandung transmitted to Sumatra, Borneo and the Celebes on 10260 and 11000 kHz. NIROM often picked up broadcasts from Holland by way of a receiving station near Batavia, and then relayed them via the various transmitters. The Netherlands Indies adopted the European system whereby listeners payed NIROM a fixed fee per month through the post office. "Owing to unfavourable atmospheric conditions existing in the tropics, no wave length above 200 metres can be used. The long distance stations use wave lengths below 100 metres, local stations between 100-200 metres." Judging by the powers listed on this QSL, most any NIROM logging would have been very good DX indeed. +++ CPRV archives the QSL collections of listeners who are no longer active, and offers QSL album stickers expressing the wish that your QSLs be donated to CPRV when the time comes. For more information, send a business size SASE to yours truly at the above address. 73 --

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